
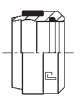
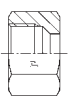
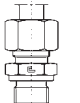
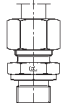
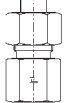
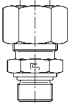
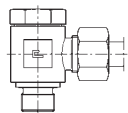
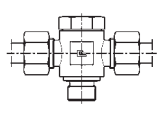
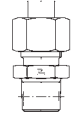
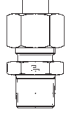
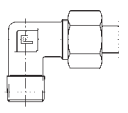
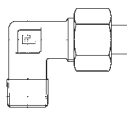
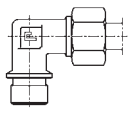
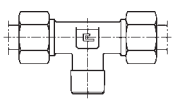
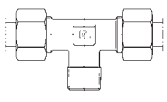
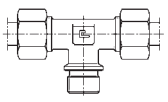
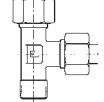
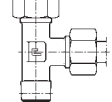
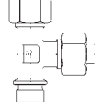
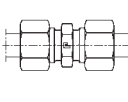
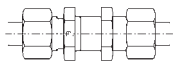


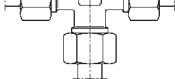

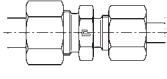
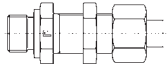
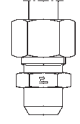
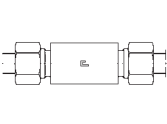

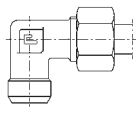
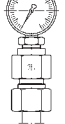
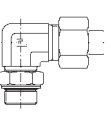
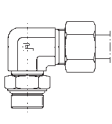
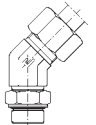
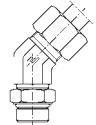
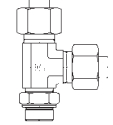
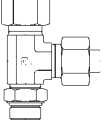
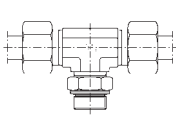
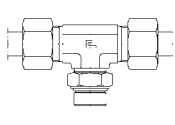






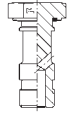




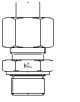


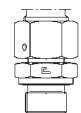
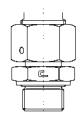
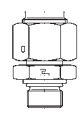
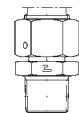
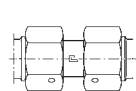
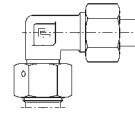
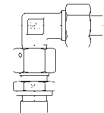
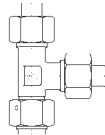
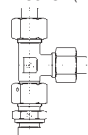
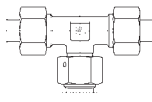
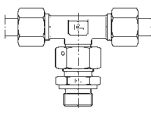
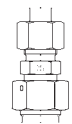
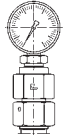





ELEMENTY ZŁĄCZNE

Informacje techniczne dostępne na stronach (Technical information available on pages) strona (page) 1-43








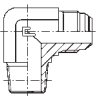
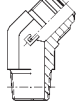
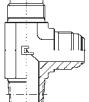
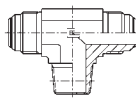
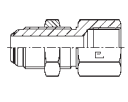
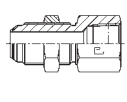
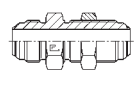
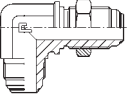
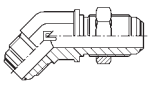
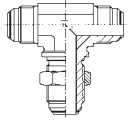

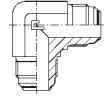
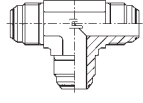
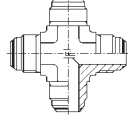
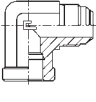
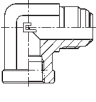
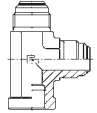
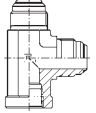
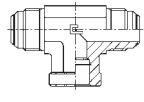
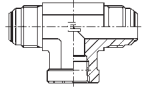
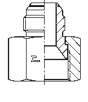
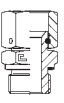
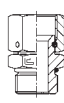
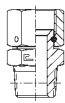
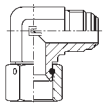
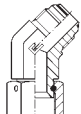
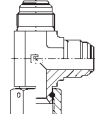
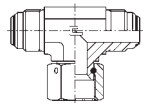
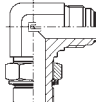
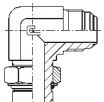
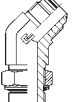
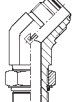
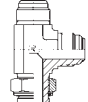
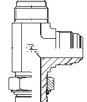
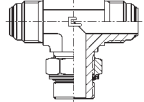
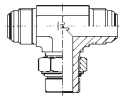
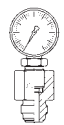
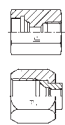

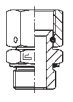
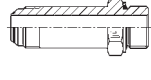
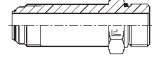
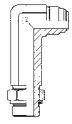
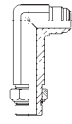
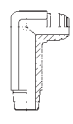
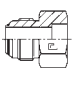
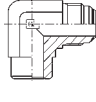
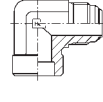
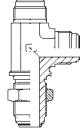




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























































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*M - Metryczny walcowy (Metric parallel)
*S - Metryczny stożkowy (Metric Taper)











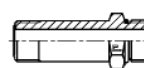









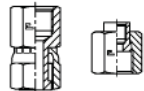
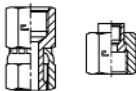



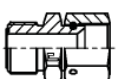



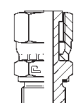
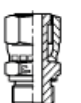






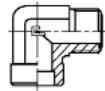
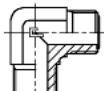
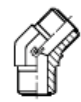

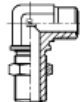
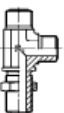
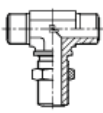
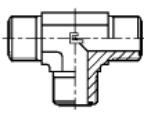
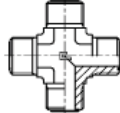
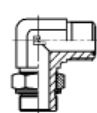
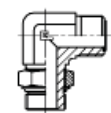


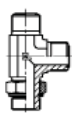
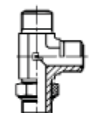
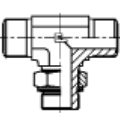
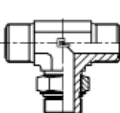

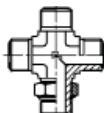


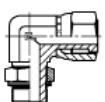
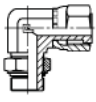
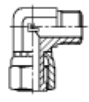
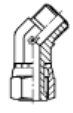
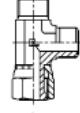
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| strona (page) 66 | strona (page) 66 | strona (page) 66 | strona (page) 66 | strona (page) 66 | strona (page) 66 | strona (page) 66 |
| Typ (Type): 2028.. BSP  | Typ (Type): 2029.. NPT  | Typ (Type): 2030.. BSP  | Typ (Type): 2031.. NPT  | Typ (Type): 2032.. BSP  | Typ (Type): 2033.. NPT  | Typ (Type): 2034..  |
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| Typ (Type): 2035.. BSP 2036.. (*M)  | Typ (Type): 2037.. UNF/UN-2A  | Typ (Type): 2038.. BSPT 2039.. NPT  | Typ (Type): 2040..  | Typ (Type): 2041..  | Typ (Type): 2042..  | Typ (Type): 2043..  |
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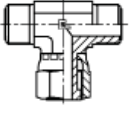



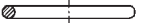

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| strona (page) 82 | strona (page) 82 | strona (page) 82/83 | strona (page) 83 | strona (page) 83 | strona (page) 83/84 | strona (page) 84 |
| Typ (Type): 3066.. BSP 3067.. (*M)  | Typ (Type): 3068.. BSP 3069.. (*M)  | Typ (Type): 3070.. BSP 3071.. (*M)  | Typ (Type): 3072.. BSP  | Typ (Type): 3073.. BSP  | Typ (Type): 3074.. BSP 3075.. (*M)  | Typ (Type): 3076.. BSP 3077.. (*M)  |
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| Typ (Type): 3078.. BSP  | Typ (Type): 3079.. BSP  | Typ (Type): 3080.. BSP 3081.. (*M)  | Typ (Type): 3082.. BSP 3083.. (*M)  | Typ (Type): 3084.. BSP 3085.. (*M)  | Typ (Type): 3086.. BSP 3087.. (*M)  | Typ (Type): 3088.. BSP 3089.. (*M)  |
| strona (page) 85 | strona (page) 86 | strona (page) 86 | strona (page) 86 | strona (page) 86/87 | strona (page) 87 | strona (page) 87 |

*M - Metryczny walcowy (Metric parallel)
*S - Metryczny stożkowy (Metric Taper)

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| Typ (Type): 4025.. (*M)  | Typ (Type): 4026.. ORFS/DIN  | Typ (Type): 4027.. ORFS/DIN sw.  | Typ (Type): 4028.. ORFS/JIC  | Typ (Type): 4029.. ORFS/JIC sw.  | Typ (Type): 4030.. ORFS sw/JIC  | Typ (Type): 4031.. ORFS/BSP  |
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| strona (page) 98 | strona (page) 98 | strona (page) 99 | strona (page) 99 | strona (page) 99 | strona (page) 100 | strona (page) 100 |
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| strona (page) 100 | strona (page) 101 | strona (page) 101 | strona (page) 101 | strona (page) 101 | strona (page) 101 | strona (page) 102 |

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|--|--|--|--|--|---|
| <p>Typ (Type): 4075..</p>  <p>strona (page) 102</p> | <p>Typ (Type): 4076..</p>  <p>strona (page) 102</p> | <p>Typ (Type): 4077..</p>  <p>strona (page) 102</p> | <p>Typ (Type): 4078..</p>  <p>strona (page) 102</p> | <p>Typ (Type): 0301.. NBR 0302.. Viton</p>  <p>strona (page) 102</p> | <p>Typ (Type): 0303.. NBR 0304.. Viton</p>  <p>strona (page) 102</p> |
|--|--|--|--|--|---|

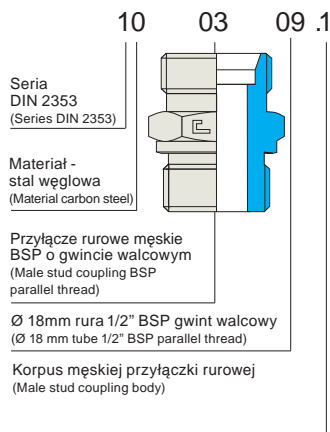
*M - Metryczny walcowy (Metric parallel)
*S - Metryczny stożkowy (Metric Taper)

PRZYKŁAD ZAMÓWIENIA - STAL WĘGLOWA (ORDERING EXAMPLE CARBON STEEL)

KORPUS PRZYŁĄCZA (FITTING BODY ONLY)

- Jeśli zamawiasz tylko korpus przyłącza prostego, określ:

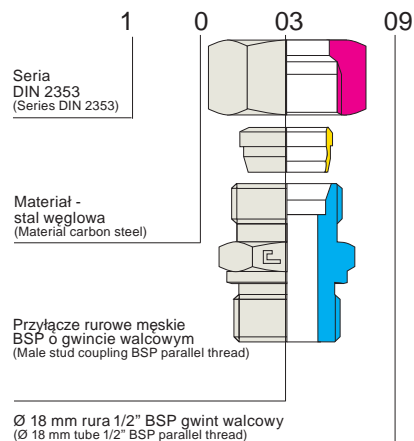
If ordering only the body add to the fitting code the number ".1", specify:



B3 PIERŚCIEŃ ZACINAJĄCY STANDARDOWY DWUKRAWĘDZIOWY (STANDARD RING)

- Jeśli chcesz zamówić przyłącza rurowe kompletne, dla średnicy Ø rury 18 mm, z gwintem walcowym 1/2" BSP, wykonanym ze stali węglowej z pierścieniem standardowym, określ:

If you require a male stud coupling for a Ø 18 mm tube with 1/2" BSP parallel thread made of carbon steel with standard ring specify:



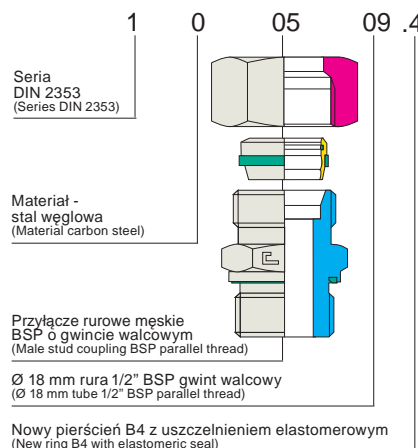
B4 PIERŚCIEŃ ZACINAJĄCY OPATENTOWANY DWUKRAWĘDZIOWY Z PODWOJNYM USZCZELNIENIEM ELASTOMEROWYM (PATENTED RING)

- Jeśli chcesz zamówić przyłącza rurowe kompletne, dla średnicy rury Ø 18 mm, z gwintem walcowym 1/2" BSP, wykonanym ze stali węglowej pierścieniem B4, z uszczelnieniem elastomerowym z gumy NBR na zakończeniu gwintowym, określ:

If you require a male stud coupling for a Ø 18 mm tube with 1/2" BSP parallel thread made of carbon steel with the new ring B4 with elastomeric NBR seal on the threaded end specify:

- Jeśli chcesz zamówić uszczelnienie VITON, dodaj „V” po ostatnim znaku.

If you wish for the VITON seal add "V" after the last number.

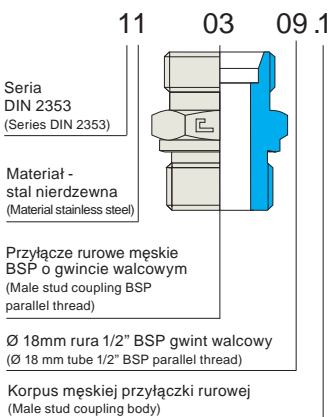


PRZYKŁAD ZAMÓWIENIA - STAL NIERDZEWNA (ORDERING EXAMPLE STAINLESS STEEL)

KORPUS PRZYŁĄCZA (FITTING BODY ONLY)

- Jeśli zamawiasz tylko korpus przyłącza prostego, określ:

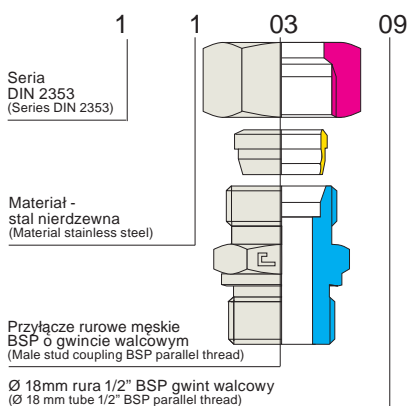
If ordering only the body add to the fitting code the number ".1", specify:



B3 PIERŚCIEŃ ZACINAJĄCY STANDARDOWY DWUKRAWĘDZIOWY (STANDARD RING)

- Jeśli chcesz zamówić przyłącza rurowe kompletne, dla średnicy Ø rury 18 mm, z gwintem walcowym 1/2" BSP, wykonanym ze stali nierdzewnej z pierścieniem standardowym, określ:

If you require a male stud coupling for a Ø 18 mm tube with 1/2" BSP parallel thread made of stainless steel with standard ring specify:



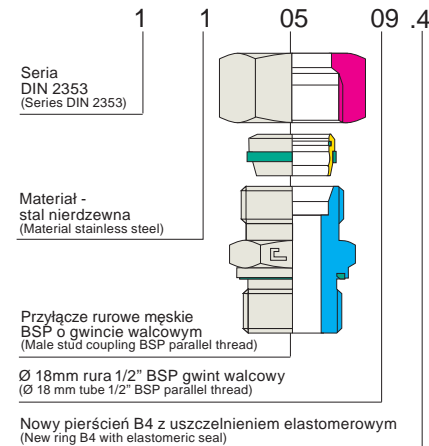
B4 PIERŚCIEŃ ZACINAJĄCY OPATENTOWANY DWUKRAWĘDZIOWY Z PODWOJNYM USZCZELNIENIEM ELASTOMEROWYM (PATENTED RING)

- Jeśli chcesz zamówić przyłącza rurowe kompletne, dla średnicy rury Ø 18 mm, z gwintem walcowym 1/2" BSP, wykonanym ze stali nierdzewnej z nowym pierścieniem B4, z uszczelnieniem elastomerowym z gumy VITON na zakończeniu gwintowym, określ:

If you require a male stud coupling for a Ø 18 mm tube with 1/2" BSP parallel thread made of carbon steel with the new ring B4 with elastomeric NBR seal on the threaded end specify:

- Jeśli chcesz zamówić uszczelnienie NBR, dodaj „N” po ostatnim znaku.

If you wish for the NBR seal add "N" after the last number.



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PRZYKŁAD ZAMÓWIENIA (ORDERING EXAMPLE)

JIC 37°

- Jeśli chcesz zamówić przyłącze rurowe męskie o \varnothing rury 20 mm z gwintem walcowym 3/4" BSP, wykonanym ze **stali węglowej** (patrz Rysunek 1) lub ze **stali nierdzewnej** (patrz Rysunek 2) - uwzględnij w kodzie zamówienia 0 lub 1, w zależności od materiału przyłącza.

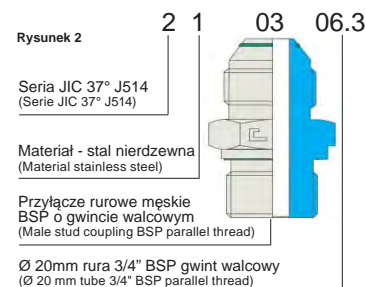
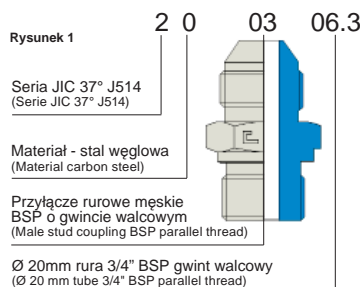
If you require a male stud coupling for a \varnothing 20 mm tube with thread 3/4" BSP parallel made of carbon steel or stainless steel with elastomeric NBR seal or VITON on the threaded end specify:

- Jeśli chcesz zamówić uszczelnienie VITON dla stali węglowej, dodaj „V” po ostatnim znaku.

If you wish for the NBR seal for carbon steel add "V" after the last number.

- Jeśli chcesz zamówić uszczelnienie NBR dla stali nierdzewnej, dodaj „N” po ostatnim znaku.

If you wish for the NBR seal for stainless steel add ".N" after the last number.



BSP

PRZYKŁAD ZAMÓWIENIA (ORDERING EXAMPLE)

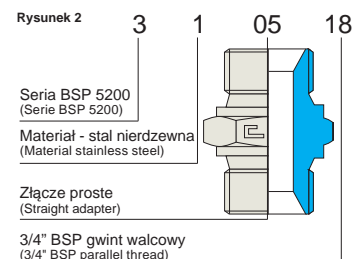
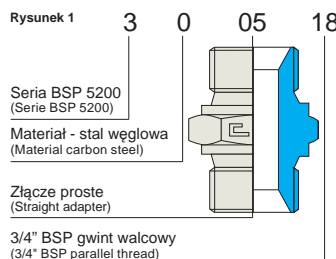
BSP

- Jeśli chcesz zamówić złącze proste, z gwintem zewnętrznym walcowym 3/4" BSP, wykonanym ze **stali węglowej** (patrz Rysunek 1),

If you require a male stud coupling with thread 3/4" BSP parallel made of carbon steel.

- Jeśli chcesz zamówić złącze proste, z gwintem zewnętrznym walcowym 3/4" BSP, wykonanym ze **stali nierdzewnej** (patrz Rysunek 2).

If you require a male stud coupling with thread 3/4" BSP parallel made of stainless steel specify.



ORFS

PRZYKŁAD ZAMÓWIENIA (ORDERING EXAMPLE)

ORFS

- Jeśli chcesz zamówić przyłącze rurowe męskie o \varnothing rury 20 mm, z gwintem walcowym 3/4" BSP, wykonanym ze **stali węglowej** (patrz Rysunek 1) lub ze **stali nierdzewnej** (patrz Rysunek 2) z uszczelnieniem elastomerycznym z gumy NBR lub VITON na zakończeniu gwintowym, określ:

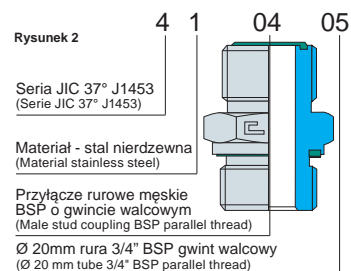
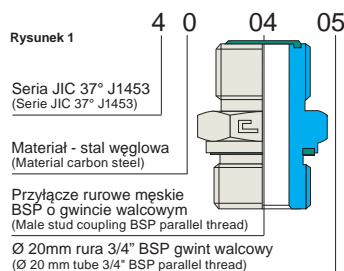
If you require a male stud coupling for a \varnothing 20 mm tube with thread 3/4" BSP parallel made of carbon steel or stainless steel with elastomeric NBR seal or VITON on the threaded end specify:

- Jeśli chcesz zamówić uszczelnienie VITON dla stali węglowej, dodaj „V” po ostatnim znaku,

If you wish for the VITON seal for carbon steel add ".V" after the last number,

- Jeśli chcesz zamówić uszczelnienie NBR dla stali nierdzewnej, dodaj „N” po ostatnim znaku.

If you wish for the NBR seal for stainless steel add ".N" after the last number.



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INFORMACJE OGÓLNE (GENERAL INFORMATION)

• STAL UŻYWANA WE WSZYSTKICH SERIACH (STEEL USED ON ALL SERIES)

Złącza ze stali węglowej (Carbon steel fittings)

| Komponenty (Component) | Specyfikacja Materiałowa (Material specification) | | | | Norma odniesienia (Reference norm) |
|-----------------------------------|--|------------|----------|----------|---------------------------------------|
| | CF9SMnPb36 | CF9SMnPb28 | CF9SMn36 | CF9SMn28 | |
| Pierścień/Tuleja (Ring/Sleeve) | 11SMnPb37 | 11SMnPb30 | 11SMn37 | 11SMn30 | UNI 4838 EN 10087 |
| | CF9SMnPb36 | CF9SMnPb28 | CF9SMn36 | CF9SMn28 | UNI 4838 EN 10087 |
| Nakrętka (Nut) | 11SMnPb37 | 11SMnPb30 | 11SMn37 | 11SMn30 | UNI 4838 EN 10087 |
| | CF9SMnPb36 | CF9SMnPb28 | CF9SMn36 | CF9SMn28 | UNI 4838 EN 10087 |
| Korpus prosty (Straight body) | 11SMnPb37 | 11SMnPb30 | 11SMn37 | 11SMn30 | UNI 4838 EN 10087 |
| | - | - | CF9SMn36 | CF9SMn28 | UNI 4838 EN 10087 |
| Korpus kuty (Forged body) | - | - | 11SMn37 | 11SMn30 | UNI 4838 EN 10087 |
| | - | - | - | - | - |

Złącza ze stali nierdzewnej (Stainless steel fittings)

| Komponenty (Component) | Specyfikacja Materiałowa (Material specification) | | Norma odniesienia (Reference norm) |
|-----------------------------------|--|--------------------------|---------------------------------------|
| | X6CrNiMoTi17-12-2 (1.4571) | X5CrNiMo17-12-2 (1.4401) | |
| Pierścień/Tuleja (Ring/Sleeve) | X6CrNiMoTi17-12-2 (1.4571) | X5CrNiMo17-12-2 (1.4401) | DIN 17440 EN 10088 |
| Nakrętka (Nut) | X6CrNiMoTi17-12-2 (1.4571) | X2CrNiMo17-12-2 (1.4404) | DIN 17440 EN 10088 |
| Korpus prosty (Straight body) | X6CrNiMoTi17-12-2 (1.4571) | X5CrNiMo17-12-2 (1.4401) | DIN 17440 EN 10088 |
| Korpus kuty (Forged body) | X6CrNiMoTi17-12-2 (1.4571) | X5CrNiMo17-12-2 (1.4401) | DIN 17440 EN 10088 |

• DOPUSZCZALNE TEMPERATURY PRACY (ALLOWED WORKING TEMPERATURES)

Stal węglowa od -20°C do +120°C zgodnie z normą ISO 8434 (Carbon Steel -20° to +120° degrees Celsius, according to ISO 8434)

Stal nierdzewna od -60°C do +200°C zgodnie z normą ISO 8434 (Stainless steel -60° to +200° degrees Celsius, according to ISO 8434)

• REDUKCJA WSKAŹNIKA CIŚNIENIA W ZALEŻNOŚCI OD TEMPERATURY PRACY (PRESSURE RATE REDUCTION)

Współczynniki redukcji ciśnienia określają, o ile należy zmniejszyć ciśnienie katalogowe (w zależności od materiału) przy wyższych temperaturach pracy. Zarówno metal, z którego wykonany jest łącznik, jak i rodzaj elastomeru uszczelki, należy dobrać zależnie od zakresu temperatur roboczych układu. Dozwolone ciśnienie pracy dla złązek ze stali nierdzewnych, produkowanych z materiału 1.4571, musi być obniżane w zależności od temperatury pracy układu, zgodnie z normą ISO 8434. W przypadku układów wieloelementowych, parametry muszą być tak obliczane, aby spełniał je najłagodniejszy, najbardziej wrażliwy element układu.

The allowed working pressure for stainless steel fittings manufactured with 1.4571 must be reduced according to the working registered temperature as per ISO 8434. In case of multi-components systems all the parameters must be calculated on the weakest component used.

| Rodzaj stali (Type of steel) | Temperatura pracy (Working temperature) | Procentowa wielkość redukcji (Lowering percentage) |
|---------------------------------|--|---|
| 1.4571 | ≥ 50°C | - 4% |
| 1.4571 | ≥ 100°C | - 11% |
| 1.4571 | ≥ 200°C | - 20% |

• USZCZELKI (GASKETS)

Uszczelnienia używane w zaworach i w złączach hydraulicznych, z reguły produkowane są z gumy NBR. Wszystkie mogą pracować w temperaturach od -35°C do 100°C, a ich twardość jest Shore'a wynosi 80 ± 5 Sh. W wyższych temperaturach, tj. -25°C do 200°C, powinno stosować się uszczelki Viton®, których twardość również wynosi 80 ± 5 Sh. Wszystkie elementy, które współpracują z różnego rodzaju uszczelnieniami muszą być stosowane zgodnie z normą DIN 7716.

The gaskets used on valves and fittings are normally manufactured in NBR. All have a working temperature of -35° to +100° degrees Celsius with a hardness of 85 ± 5 shores. For higher temperatures Viton® seals are suggested with working temperatures between -25° to +200° degrees Celsius with a hardness of 80 ± 5 shores. All the items that are assembled with gaskets or seals of any kind must be handled according to the DIN 7716 norm (requisites for the stocking of rubber product).

• USZCZELNIENIA ZAKOŃCZEŃ GWINTÓW (SEAL ON THREADED ENDS)

W celu uzyskania możliwie jak największego uszczelnienia, męski stożek gwintu ściśle dopasowany jest do żeńskiego. Na końcu gwintu znajduje się stożek samocentrujący, który służy do centrycznego ustawienia uszczelki, uszczelniającej doczołowo element z gwintem wewnętrznym. Męski gwint walcowy również jest dopasowany do żeńskiego gwintu cylindrycznego. Możliwe jest dopasowanie męskiego gwintu stożkowego do żeńskiego gwintu walcowego, ale taka kombinacja jest technicznie uzasadniona wyłącznie w rurociągach, gdzie wymogi dotyczące uszczelnienia, oceniane są na poziomie średnim lub niskim. Nie można wówczas stosować tego typu uszczelnienia w układach wysokociśnieniowych. Na wypadek dopasowania gwintu walcowego do stosunkowo miękkiego materiału, wskazane jest użycie zwykłej uszczelki, co gwarantuje doskonałe uszczelnienie nawet ze stosunkowo małą siłą docisku.

To obtain the maximum performance, the taper male thread is to be matched with the taper female thread. The cylindrical male thread is to be matched with the cylindrical female thread. It is possible to match a taper male thread with a cylindrical female thread, but this combination is technically valid only in pipings where medium/low performances are required and is never to be used where high pressures are applied. In case of matching of a cylindrical thread with relatively soft material, it is advisable to use the plain gasket Type of seal that guarantees a perfect sealing even with a relatively low tightening torque.

• OBRÓBKA WYKAŃCZAJĄCA ZŁĄCZA ZE STALI WĘGLOWEJ (CARBON STEEL FITTINGS FINISH TREATMENT)

Wymagania dotyczące odporności łączników rurowych na korozję, w ciągu kilku ostatnich lat stawały się coraz większe. Należy się również spodziewać, że tendencja ta zostanie utrzymana w najbliższej przyszłości. Wszystkie złącza cynkowane są galwanicznie, zgodnie do wymogów norm UNI ISO 2081 lub 4520. Po takiej obróbce, elementy te wydają się być koloru białego z żółtymi odcieniami. Pokrywanie galwaniczne ma grubość 8-10 mikronów. Odporność na korozję powierzchni tego typu, jest ponad czterokrotnie większa, niż standardowej elektronicznej powłoki cynkowej i spełnia najwyższe wymagania antykorozyjne. Ten rodzaj obróbki, zgodny jest w pełni z najnowszą dyrektywą środowiskową EEC, ponieważ jest wolny od sześciowartościowego chromu. Wytrzymałość w komorze solnej ze standardową koncentracją soli (zgodnie z normą UNI ISO 9227), wynosi 400 godzin, po których powłoka ochronna ulega degradacji. Dodatkowo, taki rodzaj obróbki, zapewnia smarowanie chemiczne, a wszystkie części redukują moment dokręcania. Z uwagi na taki rodzaj obróbki, części mogą być użytkowane również w warunkach ekspozycji zewnętrznej, pod warunkiem, że środowisko nie jest zbyt agresywne. Pierścień zacinający, po obróbce cieplnej, w celu zwiększenia twardości, pasywacji i cynkowania galwanicznym, umieszczony zostaje w piecu kąpielowym co ułatwia złożenie.

All fittings and valves are zinc-plated according to UNI ISO 2081 and 4520. The parts after treatment appear white with yellow shades of color. The plating thickness is 8 - 12 microns. This new treatment fully comply to the latest EEC environmental directives as its hexavalent chromium free. The resistance in saline fog with standard salt concentration (test in accordance with UNI ISO 9227) is 400 hours before the protective layer begins to wear off. Additionally, this treatment, chemically lubricate the items reducing as well torque strength requirements. Due to this treatment the parts maybe used also in external exposure provided that the environment be not very aggressive. The cutting ring, after heat treatment to harden the surface, passivation treatment and ecological zinc-plating, follows a bath which facilitates the assembly.

• OBRÓBKA WYKAŃCZAJĄCA ZŁĄCZA ZE STALI NIERDZEWNEJ (STAINLESS STEEL FITTINGS FINISH TREATMENT)

Wszystkie przyłącza i zawory poddawane są chemicznemu procesowi czyszczenia, który eliminuje tlenki, zadziory z obróbki ubytkowej, bez niszczenia produktu. Następnie przyłącze umieszcza się w piecu kąpielowym, aby wyczyścić produkt i usunąć ostatnie zanieczyszczenia. Po ukończeniu procesu elementy wyglądają błyszcząco, wskazując tym typowe zastosowania przemysłowe wyrobów z tego typu stali.

All the fittings and valves are treated with a chemical cleaning process which eliminate all oxides and burrs due to the machining phase, without altering or damaging the product. After this, follows a bath to clean the product and take away the last impurities, if any. The piece at the end of the treatment looks real bright, very indicated for industrial applications where this Type of steel is normally requested.

• OBRÓBKA CIEPLNA (THERMAL TREATMENT)

Pierścienie zacinające po obróbce ubytkowej, wygrzewane są w celu utwardzenia powierzchni.

The cutting rings after being machined are heat treated to harden the surface. This type of treatment, on stainless steel cutting rings, may decrease the amagnetivity of the ring itself.



• PRZYŁĄCZA ZE STALI NIERDZEWNEJ (STAINLESS STEEL FITTINGS)

Z uwagi na szczególne cechy charakterystyczne tego rodzaju stali, należy stosować specjalne zabiegi, w celu uniknięcia komplikacji w trakcie eksploatacji. Jednym z istotnych wymagań jest właściwe nasmarowanie wszystkich elementów w trakcie montażu wstępnego i zasadniczego. Jest to ważne dla prawidłowego funkcjonowania systemu w czasie całego okresu eksploatacji. Zaleca się używanie pasty antyzatarciowej HP-DX Paste.

Seen the special characteristics of this type of steel (hard but mild) particular attentions are required to avoid problems. One of these requirements is the correct lubrication of all the components to be done during pre-assembling and assembling. Therefore is required to use the right lubricant to make properly functional systems, at all times.

• PASTA ANTYZATARCIOWA HP-DX PASTE (ANTISEIZING PASTE)

Pasta antyzatarciowa zapewnia lepszą szczelność połączenia oraz łatwiejszy jego demontaż. Tego rodzaju pasty, mogą być użyte zarówno wewnątrz pomieszczeń jak i na zewnątrz. Zabezpiecza to gwinty przed zużyciem się i zerwaniem, zapobiega też powstawaniu rdzy i korozji.

The anti-seizing paste. It allows a safer tightening and an easier unblocking. This paste may be used both indoors and outdoors. It protects the threads from wearing out and breaking, keeps away rust and corrosion.



• RURY ZE STALI WĘGLOWEJ DLA WSZYSTKICH SERII (ALLOWED CARBON STEEL TUBES ON ALL SERIES)

Dla stali węglowej sugerujemy użyć rur precyzyjnych, bezszwowych ciągniętych na zimno ST 37.4 według DIN 1630 (For steel tubes in mild carbon steel we advise to use calibrated seamless cold drawn without welding tubes ST 37.4 as per DIN 1630)

Maksymalna dopuszczona twardość na średnicy zewnętrznej rury - 75 HRB (Maximum allowed hardness on the outside diameter of the tube is 75 HRB)

Ciśnienie sugerowane stosownie do ciśnienia stałego i z temperaturą pomiędzy -20° do 120° C (The indicated pressure are to be intended at a constant pressure rate and with temperature between -20° and 120° degrees Celsius)

| Ø Rury [mm] (Ø tube [mm]) | Tolerancja [mm] (Tolerance [mm]) | Grubość ścianki [mm] (Thickness [mm]) | Ciśnienie statyczne DIN 2413-I (Static DIN 2413-I pressure bar) | Ciśnienie dynamiczne DIN 2413-III (Dynamic DIN 2413-III pressure bar) | Masa [kg/m] (Weight [kg/m]) |
|------------------------------|-------------------------------------|--|--|--|--------------------------------|
| 4 | ±0,1 | 0,5 | 313 | 274 | 0,047 |
| 4 | | 1 | 522 | 502 | 0,075 |
| 6 | | 1 | 389 | 374 | 0,123 |
| 6 | ±0,1 | 1,5 | 549 | 528 | 0,166 |
| 6 | | 2 | 692 | 665 | 0,197 |
| 8 | | 1 | 333 | 289 | 0,222 |
| 8 | ±0,1 | 1,5 | 431 | 441 | 0,240 |
| 8 | | 2 | 549 | 528 | 0,296 |
| 8 | | 2,5 | 658 | 632 | 0,339 |
| 10 | ±0,1 | 1 | 282 | 249 | 0,222 |
| 10 | | 1,5 | 373 | 358 | 0,314 |
| 10 | | 2 | 478 | 460 | 0,395 |
| 10 | ±0,1 | 2,5 | 576 | 553 | 0,462 |
| 10 | | 3 | 666 | 641 | 0,518 |
| 12 | | 1* | 235 | 210 | 0,271 |
| 12 | ±0,08 | 1,5 | 353 | 305 | 0,388 |
| 12 | | 2 | 409 | 393 | 0,493 |
| 12 | | 2,5 | 495 | 476 | 0,586 |
| 12 | ±0,08 | 3 | 576 | 553 | 0,666 |
| 12 | | 3,5 | 651 | 627 | 0,734 |
| 14 | | 1,5 | 302 | 265 | 0,462 |
| 14 | ±0,08 | 2 | 403 | 343 | 0,592 |
| 14 | | 2,5 | 434 | 417 | 0,709 |
| 14 | | 3 | 507 | 487 | 0,814 |
| 14 | ±0,08 | 3,5 | 576 | 553 | 0,906 |
| 15 | | 1,5 | 282 | 249 | 0,499 |
| 15 | | 2 | 376 | 323 | 0,641 |
| 15 | ±0,08 | 3 | 478 | 460 | 0,888 |
| 16 | | 1,5** | 264 | 234 | 0,536 |
| 16 | | 2 | 353 | 305 | 0,691 |
| 16 | ±0,08 | 2,5 | 386 | 372 | 0,832 |
| 16 | | 3 | 452 | 435 | 0,962 |
| 18 | | ±0,08 | 1,5* | 235 | 210 |

* rury dla których wymagane jest zastosowanie tulei wzmacniających według DIN 2353 (Tubes that require support sleeve if used for DIN 2353 applications)

** rury do użycia według normy ISO 8434-2/ JIC 37° J514 (Tubes to be used for ISO 8434-2/ JIC 37° J514 norm only)

| Ø Rury [mm] (Ø tube [mm]) | Tolerancja [mm] (Tolerance [mm]) | Grubość ścianki [mm] (Thickness [mm]) | Ciśnienie statyczne DIN 2413-I (Static DIN 2413-I pressure bar) | Ciśnienie dynamiczne DIN 2413-III (Dynamic DIN 2413-III pressure bar) | Masa [kg/m] (Weight [kg/m]) |
|------------------------------|-------------------------------------|--|--|--|--------------------------------|
| 18 | ±0,08 | 2 | 313 | 274 | 0,089 |
| 18 | | 2,5 | 392 | 335 | 0,956 |
| 18 | | 3 | 409 | 393 | 1,111 |
| 20 | ±0,08 | 2** | 282 | 249 | 0,888 |
| 20 | | 2,5 | 353 | 305 | 1,079 |
| 20 | | 3 | 373 | 358 | 1,258 |
| 20 | ±0,08 | 3,5 | 426 | 410 | 1,424 |
| 20 | | 4 | 478 | 460 | 1,578 |
| 22 | | 2* | 256 | 228 | 0,986 |
| 22 | ±0,08 | 2,5 | 320 | 280 | 1,022 |
| 22 | | 3 | 385 | 329 | 1,406 |
| 25 | | 2* | 226 | 202 | 1,134 |
| 25 | ±0,08 | 2,5 | 282 | 249 | 1,387 |
| 25 | | 3 | 338 | 294 | 1,628 |
| 25 | | 4 | 394 | 379 | 2,072 |
| 25 | ±0,08 | 4,5 | 437 | 420 | 2,275 |
| 28 | | 2* | 201 | 182 | 1,282 |
| 28 | | 2,5 | 252 | 224 | 1,572 |
| 28 | ±0,08 | 3 | 302 | 265 | 1,850 |
| 30 | | 2** | 168 | 171 | 1,381 |
| 30 | | 2,5 | 235 | 210 | 1,695 |
| 30 | ±0,08 | 3 | 282 | 249 | 1,998 |
| 30 | | 4 | 376 | 323 | 2,565 |
| 35 | | 2* | 161 | 147 | 2,189 |
| 35 | ±0,15 | 2,5 | 201 | 182 | 2,004 |
| 35 | | 3 | 242 | 216 | 2,367 |
| 35 | | 4 | 322 | 281 | 3,058 |
| 38 | ±0,15 | 3** | 223 | 200 | 2,589 |
| 38 | | 4 | 297 | 261 | 3,354 |
| 38 | | 5 | 371 | 319 | 4,069 |
| 42 | ±0,2 | 3 | 201 | 238 | 2,886 |
| 42 | | 4 | 269 | 238 | 3,749 |

• RURY ZE STALI NIERDZEWNEJ DLA WSZYSTKICH SERII (ALLOWED STAINLESS STEEL TUBES ON ALL SERIES)

Dla stali nierdzewnej sugerujemy użyć tylko rury precyzyjne, bezszwowe ciągnięte na zimno 1.4404 / 316L lub 1.4571/316Ti według DIN 17458 lub ASTM A269 (For steel tubes in mild carbon steel we advise to use calibrated seamless cold drawn without welding tubes 1.4404 / 316L or 1.4571/316Ti as per DIN 17458 or ASTM A269)

Maksymalna dopuszczona twardość na średnicy zewnętrznej rury - 85 HRB (Maximum allowed hardness on the outside diameter of the tube is 85 HRB)

Ciśnienie sugerowane stosownie do ciśnienia stałego i z temperaturą pomiędzy -60° do +200° C (The indicated pressure are to be intended at a constant pressure rate and with temperature between -60° and +200° degrees Celsius)

| Ø Rury [mm] (Ø tube [mm]) | Tolerancja [mm] (Tolerance [mm]) | Grubość ścianki [mm] (Thickness [mm]) | Ciśnienie statyczne DIN 2413-I (Static DIN 2413-I pressure bar) | Masa [kg/m] (Weight [kg/m]) |
|------------------------------|-------------------------------------|--|--|--------------------------------|
| 4 | ±0,1 | 0,5 | 326 | 0,048 |
| 4 | | 1 | 544 | 0,076 |
| 6 | | 1 | 406 | 0,125 |
| 6 | ±0,1 | 1,5 | 572 | 0,169 |
| 6 | | 2 | 721 | 0,200 |
| 8 | | 1 | 347 | 0,225 |
| 8 | ±0,1 | 1,5 | 449 | 0,244 |
| 8 | | 2 | 572 | 0,301 |
| 8 | | 2,5 | 686 | 0,344 |
| 10 | ±0,1 | 1 | 294 | 0,225 |
| 10 | | 1,5 | 389 | 0,319 |
| 10 | | 2 | 498 | 0,401 |
| 10 | ±0,1 | 2,5 | 601 | 0,469 |
| 10 | | 3 | 694 | 0,526 |
| 10 | | 1** | 245 | 0,275 |
| 12 | ±0,08 | 1,5 | 368 | 0,394 |
| 12 | | 2 | 426 | 0,500 |
| 12 | | 2,5 | 516 | 0,595 |
| 12 | ±0,08 | 3 | 601 | 0,676 |
| 12 | | 3,5 | 679 | 0,745 |
| 14 | | 1,5 | 315 | 0,469 |
| 14 | ±0,08 | 2 | 420 | 0,601 |
| 14 | | 2,5 | 452 | 0,720 |
| 14 | | 3 | 529 | 0,826 |
| 14 | ±0,08 | 3,5 | 601 | 0,920 |
| 15 | | 1,5 | 294 | 0,507 |
| 15 | | 2 | 392 | 0,651 |
| 15 | ±0,08 | 3 | 498 | 0,902 |
| 16 | | 1,5** | 275 | 0,544 |
| 16 | | 2 | 368 | 0,702 |
| 16 | ±0,08 | 2,5 | 402 | 0,845 |
| 16 | | 3 | 474 | 0,977 |
| 18 | | ±0,08 | 1,5* | 245 |

* rury dla których wymagane jest zastosowanie tulei wzmacniających według DIN 2353 (Tubes that require support sleeve if used for DIN 2353 applications)

** rury do użycia według normy ISO 8434-2/ JIC 37° J514 (Tubes to be used for ISO 8434-2/ JIC 37° J514 norm only)

| Ø Rury [mm] (Ø tube [mm]) | Tolerancja [mm] (Tolerance [mm]) | Gęstość [mm] (Spessore [mm]) | Ciśnienie statyczne DIN 2413-I (Static DIN 2413-I pressure bar) | Masa [kg/m] (Weight [kg/m]) |
|------------------------------|-------------------------------------|---------------------------------|--|--------------------------------|
| 18 | ±0,08 | 2 | 326 | 0,801 |
| 18 | | 2,5 | 409 | 0,971 |
| 18 | | 3 | 426 | 1,128 |
| 20 | ±0,08 | 2** | 294 | 0,902 |
| 20 | | 2,5 | 368 | 1,095 |
| 20 | | 3 | 389 | 1,277 |
| 20 | ±0,08 | 3,5 | 444 | 1,446 |
| 20 | | 4 | 498 | 1,602 |
| 22 | | 2* | 267 | 1,001 |
| 22 | ±0,08 | 2,5 | 334 | 1,220 |
| 22 | | 3 | 401 | 1,427 |
| 25 | | 2* | 236 | 1,151 |
| 25 | ±0,08 | 2,5 | 294 | 1,408 |
| 25 | | 3 | 352 | 1,653 |
| 25 | | 4 | 411 | 2,104 |
| 25 | ±0,08 | 4,5 | 456 | 2,310 |
| 28 | | 2* | 210 | 1,301 |
| 28 | | 2,5 | 263 | 1,596 |
| 28 | ±0,08 | 3 | 315 | 1,878 |
| 30 | | 2** | 175 | 1,402 |
| 30 | | 2,5 | 245 | 1,721 |
| 30 | ±0,08 | 3 | 294 | 2,028 |
| 30 | | 4 | 392 | 2,604 |
| 35 | | 2* | 168 | 2,222 |
| 35 | ±0,15 | 2,5 | 210 | 2,034 |
| 35 | | 3 | 252 | 2,403 |
| 35 | | 4 | 336 | 3,104 |
| 38 | ±0,15 | 3** | 232 | 2,628 |
| 38 | | 4 | 310 | 3,405 |
| 38 | | 5 | 387 | 4,131 |
| 42 | ±0,2 | 3 | 210 | 2,929 |
| 42 | | 4 | 280 | 3,806 |

• TABELA ODPORNOŚCI NA CZYNNIKI ROBOCZE (COMPATIBLE FLUIDS TABLE)

Poniższa tabela prezentuje zestawienia najlepszego doboru połączeń - złączy i przyłączy ze stali węglowej i stali nierdzewnej, materiału i rodzaju uszczelnienia z wymienionymi rodzajami używanych płynów.

The following table resumes, according to the compatibility with the used fluid, the best possible choice as combination between the fitting type of steel (carbon or stainless steel), material of the elastomeric seal (NBR or Viton®) and type of sealing (plain metal to metal or metal plus elastomeric sealing).

| Rodzaj płynu (Fluid) | Stal węglowa (Carbon steel) | Stal nierdzewna (Stainless steel) | NBR | VITON® |
|---|--------------------------------|--------------------------------------|-----|--------|
| Acetylen (Acetylen) | ● | ● | ● | ● |
| Aceton (Aceton) | ● | ● | ● | ● |
| Kwas solny (Hydrochloric Acid) | ● | ● | ● | ● |
| Kwas fosforowy (Phosphoric Acid) | ● | ● | ● | ● |
| Kwas azotowy (Nitric Acid) | ● | ● | ● | ● |
| Kwas siarkowy (Sulfuric Acid) | ● | ● | ● | ● |
| Woda (Water) | ● | ● | ● | ● |
| Woda destylowana (Distilled water) | ● | ● | ● | ● |
| Woda morską (Sea water) | ● | ● | ● | ● |
| Woda utleniona (Hydrogen peroxide) | ● | ● | ● | ● |
| Terpentyna (Turpentine) | ● | ● | ● | ● |
| Amoniak (Ammonia gas, cold) | ● | ● | ● | ● |
| Amoniak płynny (Ammonia liquid) | ● | ● | ● | ● |
| Dwutlenek węgla (Carbonic dioxide) | ● | ● | ● | ● |
| Argon (Argon) | ● | ● | ● | ● |
| Powietrze (Air) | ● | ● | ● | ● |
| Powietrze sprężone (Compressed air) | ● | ● | ● | ● |
| Paliwo lotnicze (ASTM-Oil, n°1) | ● | ● | ● | ● |
| Paliwo lotnicze (ASTM-Oil, n°2) | ● | ● | ● | ● |
| Paliwo lotnicze (ASTM-Oil, n°3) | ● | ● | ● | ● |
| Azot (Nitrogen) | ● | ● | ● | ● |
| Kwas benzoowy (Benzene) | ● | ● | ● | ● |
| Dwutlenek siarki (Sulfur oxide) | ● | ● | ● | ● |
| Wodorosiarczan (Carbon bisulfure) | ● | ● | ● | ● |
| Butan (Butane) | ● | ● | ● | ● |
| Chlor (Chlorine) | ● | ● | ● | ● |
| Hel (Helium) | ● | ● | ● | ● |
| Etan (Etane) | ● | ● | ● | ● |
| Eter (Ether) | ● | ● | ● | ● |
| Gaz palny (Combustible gas) | ● | ● | ● | ● |
| Gaz ziemny (Natural gas) | ● | ● | ● | ● |
| Olej napędowy (Diesel fuel) | ● | ● | ● | ● |
| Gliceryna (Glycerin) | ● | ● | ● | ● |
| Glikol (Glycol) | ● | ● | ● | ● |
| Wodór (Hydrogen) | ● | ● | ● | ● |
| Jod (Iodine) | ● | ● | ● | ● |
| Nafta (Kerosene) | ● | ● | ● | ● |
| Metan (Methane) | ● | ● | ● | ● |
| Metanol (Methanol) | ● | ● | ● | ● |
| Olej opałowy (Fuel oil) | ● | ● | ● | ● |
| Neon (Neon) | ● | ● | ● | ● |
| Olej (Oil) | ● | ● | ● | ● |
| Płyn hamulcowy (Automotive brake fluid) | ● | ● | ● | ● |
| Olej do skrzyni biegów (Transmission fluid) | ● | ● | ● | ● |
| Olej mineralny (Mineral oil) | ● | ● | ● | ● |
| Olej hydrauliczny (Hydraulic oil) | ● | ● | ● | ● |
| Olej roślinny (Vegetable oil) | ● | ● | ● | ● |
| Tlenek węgla (Carboni monoxide) | ● | ● | ● | ● |
| Tlen (Oxygen) | ● | ● | ● | ● |
| Ozon (Ozone) | ● | ● | ● | ● |
| Pentanol (Pentane) | ● | ● | ● | ● |
| Pentanol ciekły (Pentane liquid) | ● | ● | ● | ● |
| Propan (Propane) | ● | ● | ● | ● |
| Silikon (Silicone) | ● | ● | ● | ● |
| Styren (Styrol) | ● | ● | ● | ● |
| Tulol (Toluol) | ● | ● | ● | ● |
| Trichloroetylen (Trichloroethylene) | ● | ● | ● | ● |
| Para wodna (Steam) | ● | ● | ● | ● |
| Ksylol (Xylol) | ● | ● | ● | ● |

Legenda (Legend)

- = Zgodny (Sufficient)
- = Rzadko wykorzystywany (Scarce)
- = Nie zalecany (Not recommended)
- = Niezgodny (Not sufficient data)

Proces doboru łączników powinien być wykonany starannie i z uwzględnieniem wielu czynników, stanowiących kryteria doboru łączników rurowych. Wśród najistotniejszych kryteriów wymienić można:

The fittings selection process should be made carefully including many factors, which are the criteria for pipe connectors selection. Among the most important criteria can include:

- Zastosowanie: hydraulika, pneumatyka, układ centralnego smarowania, inżynieria chemiczna; *Application: hydraulics, pneumatics, central lubrication system, chemical engineering;*
- Warunki pracy: (temperatura, drgania itp.); *Work conditions: (temperature, vibrations etc.);*
- Ciśnienie: ciśnienie robocze (statyczne), skoki ciśnienia (dynamiczne oraz uderzenie hydrauliczne); *Pressure: working pressure (static), pressure jumps (dynamic and hydraulic impact)*
- Temperatura: temperatura czynnika, temperatura otoczenia, zakres ich zmian; *Temperature: factor temperature, ambient temperature, range of their changes;*
- Czynniki robocze: typ oleju hydraulicznego, sprężone powietrze, woda słodka, woda morską, itp.; *Working factor: type of hydraulic oil, compressed air, sweet water, seawater etc.*
- Montaż: produkcja seryjna, instalacja na miejscu, montaż przemysłowy, serwisowanie, naprawy; *Assembly: mass production, on-site installation, industrial assembly, service, repairs;*
- Przepływ: natężenie przepływu i jego pulsacje, lepkość czynnika, dynamika układu, dobór rur; *Flow: flow rate and its pulsation, the viscosity of the factor, dynamics of the system, the selection of pipes;*
- Specyfikacje: normy i zalecenia międzynarodowe, specyfikacje użytkownika, atesty, akredytacje, dopuszczenia, dostępność; *Specifications: standards and recommendations, user specifications, certifications, accreditations, approvals, availability;*
- Środowisko zewnętrzne: czynniki pogodowe, wilgotność, aplikacje stacjonarne/mobilne; *Environment: weather factors, humidity, stationary/mobile applications;*
- Dostępność miejsca: ograniczenia przestrzeni do zabudowy, możliwość gięcia rur; *Availability of space: installation area limits, possibility of bending;*

Optymalne rozwiązanie spełniać powinno najwyższe wymagania dotyczące: *Optimal solution should comply highest requirements on:*

- absolutnej szczelności; *absolute tightness;*
- wysokiej niezawodności; *high reliability;*
- łatwości montażu; *easy assembly;*
- niewielkich kosztów; *small costs;*

Natomiast przy wyborze materiału łączników kierować się należy: *However the selection of materials for the fittings should be guided by:*

- Środowisko pracy: należy wybrać materiał o podwyższonej odporności na korozję; *Environment: the selected material should have increased corrosion resistance;*
- Czynniki robocze: należy wybrać materiał mogący pracować w kontakcie z zakładanym czynnikiem roboczym; *Working factor: the selected material should be able to work in contact with assumed working factor;*
- Temperatura pracy: należy sprawdzić czy materiał może pracować w zakładanych zakresie zmian temperatur. *Working temperature: the selected material should be able to work in assumed temperature range;*

Wybór materiału uszczelnienia: *The selection of seal materials:*

- Dobrać odpowiedni materiał uszczelnienia (jeśli takie występuje) z uwagi na rodzaj czynnika roboczego; *Select proper seal material (if needed) regarding working factor;*
- Sprawdzić czy uszczelnienie może pracować w przewidywanym zakresie zmian temperatur; *Make sure that selected seal material can work in assumed temperature range;*
- Ze względu na łatwość montażu zaleca się stosowanie uszczelnień elastomerycznych; *Because of ease of assembly it is recommended to use elastomeric seals;*

Wybór serii lekkiej / ciężkiej: *The Light/Heavy series selection:*

- Ciśnienia pracy: wybrać serię o odpowiedniej wytrzymałości na ciśnienie; *Working pressure: choose the series with proper pressure resistance;*
- Miejsce do zabudowy: przy wyborze proszę zwrócić uwagę na ilość dyspozycyjnego miejsca do montażu/zabudowy. *Installation area: while choosing, pay attention to the amount of available space for the assembly/installation;*

W celu uniknięcia zjawisk niepożądanych (przecieki, pęknięcia rur, wyrwanie rury z łącznika) przy montażu każdego wyżej wymienianego rodzaju złączy, należy zwrócić szczególną uwagę na następujące aspekty:

In order to avoid unwanted events (leaks, pipe breaking, pulling out from connector) during assembly each of above mentioned fitting types, pay special attention to the following aspects:

- Zadbac o właściwe przechowywanie wszystkich części łączników; *Ensure that all connectors parts are stored properly;*
- Przy montażu upewnić się, czy rura jest do końca wsunięta w łącznik; *During assembly, make sure that pipe is fully inserted into the connector;*
- Wszystkie podzespoły utrzymywać w czystości; *Keep all components clean;*
- Kontrolować elementy pod kątem pęknięć, w razie potrzeby wymienić na nowe; *Control elements for cracks, if necessary, replace with new;*
- Dobierać wszystkie podzespoły zgodnie z przeznaczeniem układu oraz charakterystykami wyrobów; *Choose all components according to purpose and product characteristic;*
- Stosować oryginalne części i podzespoły firmy CAST; *Use CAST original parts and components;*
- Nie używać nadmiernej ilości smaru przy montażu; *Do not use excessive amount of lubricants during assembly;*
- Przy przenoszeniu wstępnie zmontowanych rur, stosować zaślepki zapobiegające zabrudzeniom; *When moving pre-assembled pipes use blankings to prevent dirt;*
- Pamiętać, aby instalację rurową montować bez naprężeń, naciągania rur itp.; *Remember to assembly pipe installation without stress, stretching etc.*
- Upewnić się, czy warunki pracy (ciśnienie, narażenia korozyjne, temperatura, udary ciśnieniowe itp.) nie wykraczają poza zakresy warunków roboczych, przewidzianych dla łącznika; *Make sure if work conditions (pressure, corrosion risk, temperature, pressure impact etc.) do not exceed the range of working conditions, provided for connector;*
- Używać właściwego klucza z odpowiednią przedłużką, szczególnie przy montażu łączników o większych rozmiarach i łączników ze stali nierdzewnej; *Use the proper tool with corresponding extension, especially during assembly of large size connectors and stainless steel connectors;*
- Montaż wstępny przeprowadzać poza instalacją, aby uzyskać prawidłowe zacięcie pierścienia; *Carry out pre-assembly outside the installation in order to get correct ring jams;*
- Dokręcać nakrętkę, aż do zamknięcia się szczeliny między pierścieniem oporowym a pierścieniem uszczelniającym; *Tighten the nut until the closure of the gap between the resistance ring and the sealing ring*
- Regularnie kontrolować przyrządy montażowe pod kątem uszkodzeń i stopnia zużycia; *Regularly check the mounting equipment for damage and*
- Zapewnić właściwe ułożenie elementów instalacji względem siebie. *Ensure proper placement of system components relative to each other*

Wszelkie narzędzia i urządzenia niezbędne dla przeprowadzenia montażu w sposób właściwy i bezpieczny dostępne są w katalogu Hydropress maszyny i urządzenia.

All tools and machines necessary for proper and safe assembly are available in Hydropress Tools and Machines Catalogue

B3

Pierścień zacinający
dwukrawędziowy B3

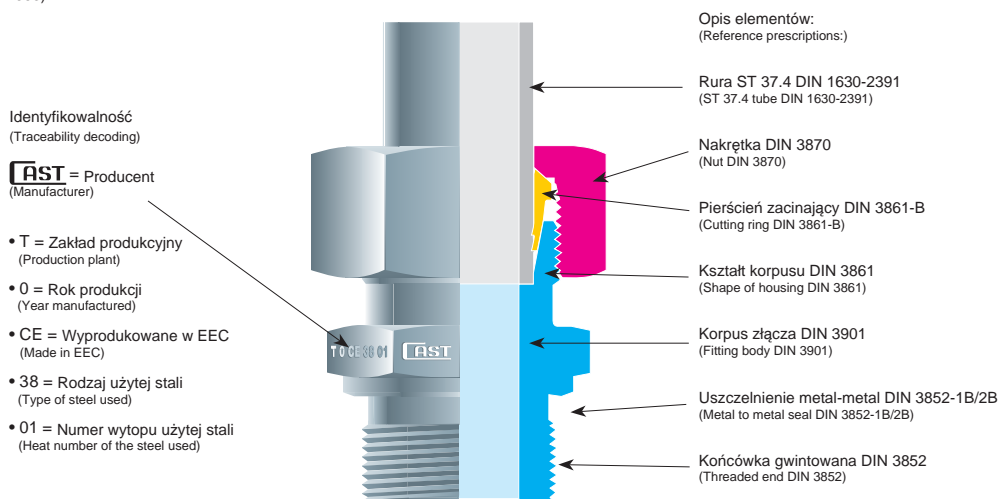


ZASADA DZIAŁANIA (THEORY OF OPERATION)

Złącza firmy Cast, produkowane są zgodnie z normą ISO 8434-1/DIN 2353. W sposób mechaniczny łączone są z pierścieniem zacinającym z podwójną krawędzią. Za pomocą takiego złącza uzyskuje się wysokociśnieniowe, szczelne połączenia rur i podzespołów w układach hydraulicznych. Podstawową funkcją tych łączników jest kontrolowane, postępujące wciskanie pierścienia zaciskającego w rurę, uzyskiwane dzięki jego specyficznej geometrii. Pierścień pomaga szybko zmontować rury, unikając przy tym niekorzystnych zjawisk (jak np. zgrzewanie) zapewniając poprzez to maksymalną prostotę złożonych układów hydraulicznych. Podczas zakręcania nakrętki, pierścień odształca się na otworze stożka o kącie 24° i zaciska się na stalowej rurze, tworząc dwa głębokie nacięcia, z których pierwsze jest widoczne przez podnoszenie zewnętrznej krawędzi, zapewniając szczelność oraz zapobiegając odkręceniu się pierścienia. Drugie nacięcie (niewidoczne) równoważy siły na całym pierścieniu oraz zapobiega drganiom. Równoważenie sił na obwodzie pierścienia powoduje, że przy ustalonej jego geometrii, jego odształcenia są jednakowe na całym obwodzie i przylega on do rury z jednakową siłą. Zwiększa się przez to skuteczność i trwałość uszczelnienia. Zapobieganie drganiom, istotne jest w przypadku hałaśliwego działania instalacji oraz wymogów normatywnych, dotyczących dopuszczalnych poziomów hałasu w środowisku pracy i związanym z tym czasem ekspozycji. Ponadto, drgania rur, których źródła są niejednokrotnie wielorakie, powodować mogą zmniejszenie skuteczności uszczelnienia poprzez odkręcenie się połączeń.

The Cast fitting, manufactured according to ISO 8434-1/DIN 2353 norm is a mechanical fitting with a double cutting ring for double stapling on the tube. The ring helps fast assembly of removable tubes, avoids welding, tapping and flaring, thus assuring maximum simplicity of complex oleo-dynamic systems. During tightening by the nut, the ring deforms according to the bore of the 24° cone of the fitting and bites into the steel tube, producing two deep cuts the first of which is visible due to lifting of an outer edge on the diameter of the tube, allows the water tightness and anti-unthreading of the ring. The second groove (invisible) balances the forces on the whole ring, prevents vibrations to reach the first groove and stops the stapling of the tube at a predetermined value.

SYSTEM ZŁĄCZY DIN 2353 (COUPLING SYSTEM DIN 2353)



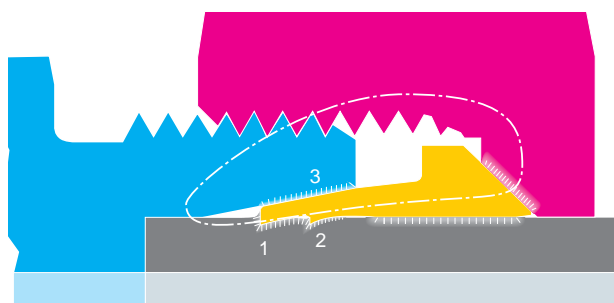
CHARAKTERYSTYKA TECHNICZNA (TECHNICAL CHARACTERISTICS)

Łączniki z pierścieniem zacinającym, szybko zyskały dużą popularność ze względu na prostotę montażu, który zasadniczo wymaga tylko dwóch kluczy maszynowych. Obecnie łączniki tego typu są najpowszechniej stosowanymi łącznikami wysokociśnieniowymi do rur w systemie metrycznym. Typową cechą łączników rurowych z pierścieniem zacinającym jest wytrzymałość na duże ciśnienia przy zwartym korpusie i niewielkich wymiarach. Złącza produkowane są w trzech grupach, tak aby można było je dobrać stosownie do wymaganych warunków pracy. Grupa wyrobów oznaczona symbolem „LL” – oznacza bardzo lekką grupę, odpowiednią do niskich i średnich ciśnień, do 100 bar. Grupa wyrobów oznaczona symbolem „L” – odpowiednią do średnich i wysokich ciśnień, nie większych jednak niż 315 bar. Grupa wyrobów oznaczona symbolem „S” – oznacza grupę ciężką, dla warunków ciężkich, z wysokimi ciśnieniami uderzeniem hydraulicznym, wysoką temperaturą i ciśnieniem do 630 bar. Drgania zgodnie z normami nie zmieniają charakterystyki złącza i nawet przy maksymalnych wartościach utrzymują niezawodny charakter połączenia.

The Cast fitting assures a perfect seal, independently from the fluid used, provided that no corrosive fluids be employed and the nominal pressures not be trespassed. Fittings are manufactured in three ranges to be chosen according to the required working conditions. „LL” extra light range, suitable for low and medium working pressures up to 100 bar. „L” light range, suitable for medium/high pressure applications, however not over 315 bar. „S” heavy range for severe conditions, with high pressures, water hammering, high temperatures and a maximum pressure of 630 bar. Vibrations according to the standards, don't change the fitting's performance that, even at maximum values keep its characteristics of absolute reliability.



Przed zamontowaniem na stalową rurę:
(Before assembly on the metal tube)



Po zamontowaniu na stalową rurę:
(After assembly on the metal tube)

Pole działających sił po połączeniu
(Field of force after assembly)

Powierzchnie docisku po połączeniu
(Pressure surfaces after assembly)

Punkty uszczelnienia
(Sealing points)
1-2-3

B4

Pierścień zacinający opatentowany
dwukrawędziowy z podwójnym
uszczelnieniem elastomerowym B4



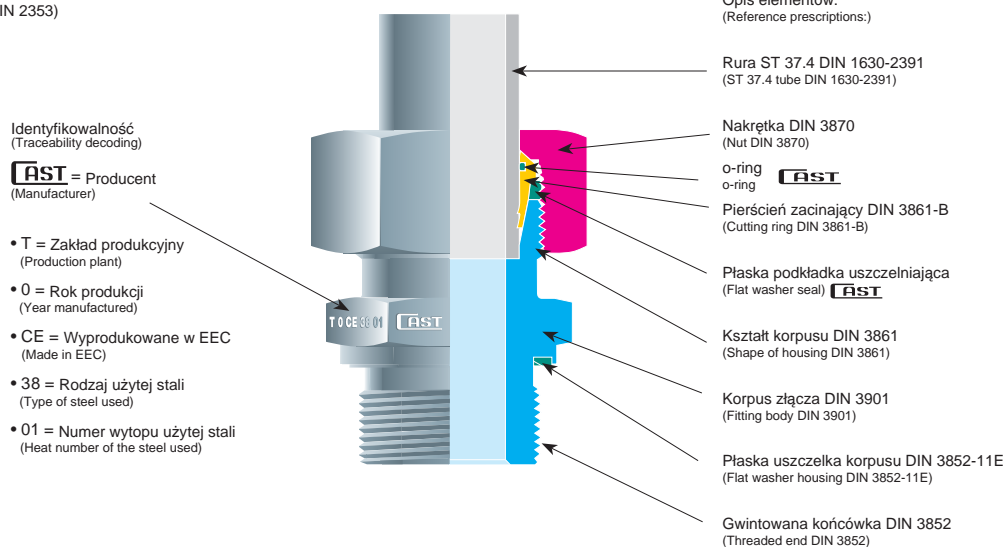
ZASADA DZIAŁANIA (THEORY OF OPERATION)

Pierścień „B4” jest wysoce nowatorską, dwukrawędziową uszczelką z dwoma pierścieniami uszczelniającymi, montowanymi zgodnie ze znanymi technikami. Jest doskonałym zamiennikiem dla wszystkich typów pierścieni uszczelniających o kącie stożka 24°, odpowiadających normie ISO 8434E1/DIN 2353.

Pierścień umożliwia szybki montaż i demontaż rur z uniknięciem spawania, zgrzewania czy kielichowania rury u wylotu, zapewniając maksymalną prostotę złożonych układów hydraulicznych. Dzięki odpowiedniej konstrukcji obydwu krawędzi zacinających i krawędzi blokującej, uzyskano korzystny rozkład sił występujących w układzie. Taki rozkład sił w połączeniu, ze specjalnie zaprojektowanym profilem wewnętrznym krawędzi, gwarantuje zwiększone bezpieczeństwo działania, szczególnie w warunkach występowania wibracji i naprężeń zginających. Konstrukcja i działanie pierścienia zacinającego, eliminuje eksploatacyjne obciążenia wibracyjne w obszarze zacięcia rury. Krawędź blokująca powoduje wyraźne wyczuwalny wzrost siły koniecznej do dokręcenia nakrętki. Widoczny po montażu kołnier, powstający z materiału rury na skutek zacięcia, musi całkowicie wypełniać przestrzeń przed pierwszą krawędzią zacinającą. Równoważenie sił na obwodzie pierścienia powoduje, że przy jego ustalonej geometrii, jego odkształcenia są jednakowe na całym obwodzie i przylega on do rury z jednakową siłą. Zwiększa się przez to skuteczność i trwałość uszczelnienia. Zapobieganie drganiom jest istotne ze względu hałaśliwości instalacji, oraz wymogów normatywnych dotyczących dopuszczalnych poziomów hałasu w środowisku pracy i związanym z tym czasem ekspozycji. Ponadto drgania rur, których źródła są niejednokrotnie wielorakie, powodować mogą zmniejszenie skuteczności uszczelnienia poprzez odkręcanie się połączeń.

The "B4" is a highly innovative, deformable, double clinching, double edge ring with double elastomer seal that is assembled according to well-known techniques and is perfectly interchangeable with all type of rings used on 24° cone fittings complying with the ISO 8434-1/DIN 2353 standards. The ring helps fast assembly of removable tubes, avoids welding, tapping and flaring, thus assuring maximum simplicity of complex oleo-dynamic systems. During tightening by the nut, the ring deforms according to the bore of the 24° cone of the fitting and bites into the steel tube, producing two deep cuts the first of which is visible due to lifting of an outer edge on the diameter of the tube, allows the water tightness and anti-unthreading of the ring. The second groove (invisible) balances the forces on the whole ring, prevents vibrations to reach the first groove and stops the stapling of the tube at a predetermined value.

SYSTEM ZŁĄCZY DIN 2353 (COUPLING SYSTEM DIN 2353)



CHARAKTERYSTYKA TECHNICZNA (TECHNICAL CHARACTERISTICS)

Pierścień „B4” zapewnia idealną szczelność układu, niezależnie od użytej cieczy, pod warunkiem, że nie jest stosowana ciecz korozyjna i przestrzegane są nominalne wartości ciśnień złącza. Złącze, na którym jest zamontowany pierścień B4” jest produkowany w dwóch seriach, które wykorzystywane są odpowiednio do warunków pracy. Seria oznaczona symbolem „L” – seria lekkich obciążeń, do zastosowań przy średnio wysokich ciśnieniach, do 315 bar. Seria oznaczona symbolem „S” – seria wysokich obciążeń, odpowiednia dla ciężkich aplikacji o wysokich temperaturach i ciśnieniu maksymalnym 630 bar. Właściwości pierścienia B4, nie są pogarszane przez drgania a produkt zachowuje swoje optymalne cechy. Kiedy złącze, pierścień, nakrętka, oraz rura są połączone, płaska uszczelka jest ścisnana pomiędzy czołem pierścienia zacinającego i frontem złączki. Mechaniczne obciążenie, przyłożone do płaskiej uszczelki powoduje wygięcie na zewnątrz i w konsekwencji zwiększenie średnicy. Deformacja powoduje, że ścisnany materiał uszczelnienia wypełnia zwoje gwintu nakrętki, zapewniając unieruchomienie nakrętki i uniemożliwiając odkręcanie się jej podczas drgań. Gdy połączenie jest rozmontowywane, płaska uszczelka powraca do swojego pierwotnego kształtu, bez jakichkolwiek uszkodzeń, zwalniając gwint nakrętki.

The "B4" ring assures perfect tightness of the circuit regardless of the fluid used provided that corrosive fluids are avoided and the nominal pressures of the fittings are complied with. The fittings on which the "B4" rings are mounted are manufactured in two Series that are used according to the operating conditions. "L" light duty series for applications characterized by medium high pressures, maximum 315 bar. "S" heavy duty series for harsh applications characterized by high temperatures and a maximum pressure of 630 bar. "B4" performance is not affected by vibrations within normal limits and the product maintains its optimal characteristics, as an absolutely safe ring, even at maximum values. When the fitting, ring, nut, tube system is assembled, the flat seal is compressed between the head of the cutting ring and the front of the fitting body. The mechanical pressure applied to the flat seal causes flexure towards the outside, with a consequent increase in diameter. The deformation causes the compressed material of the seal to fill the turns of the thread of the nut free from the closing coupling with the fitting body, assuring locking of the nut and preventing any vibration-induced loosening of this. When the fitting is disassembled the flat seal goes back to its original shape, without any damage, freeing the nut threads.



Przed zamontowaniem na stalową rurę:
(Before assembly on the metal tube)

Po zamontowaniu na stalową rurę:
(After assembly on the metal tube)

Pole działających sił po połączeniu
(Field of force after assembly)

Powierzchnie docisku po połączeniu
(Pressure surfaces after assembly)

Punkty uszczelnienia
(Sealing points)
1-2-3-4-5-6

Właściwości i zalety: *Features and Benefits*

- łatwy, szybki i tani montaż,
easy, fast and cheap assembly
- można wyróżnić dwie serie złączy z pierścieniem B4 – serię lekką (L) oraz ciężką (S). Stosownie do potrzeb, do każdego zastosowania dobrać można odmianę wyrobu zapewniającą minimalne opory przepływu (a co za tym idzie minimalne straty energetyczne), wystarczającą wytrzymałość na ciśnienie, minimalne gabaryty i stosunkowo nieduże siły wymagane do montażu,
There are two series of fittings with B4 ring - Light series (L) and Heavy series (S). According to your needs, for every use You can choose variety of product ensures minimum flow resistance (and the minimal energy losses elsewhere), sufficient pressure resistance, minimum size and relatively small force required for assembly
- można stosować do rur o ściankach różnej grubości,
can be used for pipes of different wall thickness
- można stosować do rur wykonanych z różnych materiałów (w przypadku rur cienkościennych może wystąpić potrzeba zastosowania tulei wzmacniającej),
can be used for pipes made of different materials (in case of thin-walled pipes may need to use the enhancing sleeve)
- łatwa kontrola stanu połączenia poprzez dobrze widoczną strefę zacięcia – strefa ta ma kluczowe znaczenie dla prawidłowości funkcjonowania złącza. Przy złączu o prawidłowym kształcie zminimalizowane jest ryzyko rozerwania połączenia, co jest istotnym czynnikiem zwiększającym bezpieczeństwo,
easy connection status control by well visible jam zone - this zone is crucial for proper functioning of the fitting. If the fitting has correct shape the risk of breaking connection is minimized, which is significant factor that increases safety
- ułatwienie montażu – elementy złącza są powleczone smarem, co redukuje tarcie powierzchni wzajemnie po sobie się przemieszczających w procesie dokręcania, a przez to redukuje moment dokręcania,
simple assembly - the fitting elements are coated with lubricant, which reduces the attrition of surfaces moving on each other in the tightening process, thereby reducing torque
- sprawdzona szczelność również w trudnych warunkach pracy oraz z cieczami o obniżonej lepkości. Badania przeprowadzone w specjalistycznym laboratorium potwierdzają wysoką odporność złączy oraz ich skuteczność w warunkach pracy z drganiami o szerokim spektrum częstotliwości,
tightness proven in difficult conditions and with reduced viscosity liquids. Research conducted by specialized laboratories confirm high resistance of the fittings and their effectiveness in working with a wide range of vibration frequencies
- tłumienie drgań mechanicznych oraz zapobieganie ich propagacji – konstrukcja złącza redukuje amplitudy drgań mechanicznych instalacji hydraulicznej oraz ogranicza obszar ich występowania,
attenuation of mechanical vibrations and prevent their propagation - fitting construction reduces mechanical vibration amplitude of hydraulic system and reduces the area of their occurrence
- zwarta budowa – wysokiej wytrzymałości towarzyszą stosunkowo nieduże wymiary złącza, co pozwala stosować je w miejscach o mocno ograniczonej przestrzeni do zabudowy,
compact design - high resistance is accompanied by relatively small size of fitting, allowing to use them in high limited mounting space
- odporność na zmiany temperatury – złącza pracować mogą w szerokim zakresie zmian temperatur,
resistance to temperature changes - fittings can work in a wide range of temperature changes
- wyprzedzenie wymagań – pokrycia złączy nie zawierają sześciowartościowego chromu, spełniając tym samym przewidywane wymagania przemysłu motoryzacyjnego oraz zalecenia Parlamentu Europejskiego dotyczące eliminacji materiałów i powłok zawierających sześciowartościowy chrom.
overtaking demands - fitting covers do not contain hexavalent chromium, complying expected requirements of automotive industry and European Parliament's recommendations on the elimination of materials and coatings containing hexavalent chromium

INNOWACJE TECHNOLOGICZNE (TECHNICAL INNOVATION)

Od wielu lat następuje wzrost zapotrzebowania rynku, dotyczący elementów układów hydraulicznych, zdolnych zagwarantować trzy główne własności: bezpieczeństwo, łatwy montaż oraz szczelność bez wycieków. Elementy te, rozpatrywane obecnie w aspekcie bezpieczeństwa otoczenia pracy (Ustawa 626/94), odpowiedzialności prawnej za produkt (Rozporządzenie Prezydenta 224-EEC 85/374) i pełnej ochrony otoczenia układu, promują rozwój nowych pierścieni „B4”, jako skuteczną odpowiedź na wszystkie wskazane potrzeby.

For many years now, there has been an increasing imperative market demand for fluid system components able to guarantee three main factors: safety, easy assembly, leakage-free tightness. These elements, now considered essential for safety of the working environment (Law 626/94), product liability (Presidential Decree 224-EEC 85/374) and for the entire environmental protection system have promoted the development of the new “B4” ring as an effective response to all the above-mentioned problems.

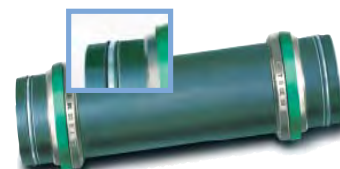
KONCEPCJA PRODUKTU (PRODUCT CONCEPT)

Najbardziej oryginalną cechą produktu jest to, że do struktury istniejącego pierścienia, w celu uzyskania lepszego uszczelnienia rury, w jego wewnętrznej części, dodatkowo został użyty o-ring, oraz płaska podkładka na zewnętrznej średnicy rury, dzięki czemu uzyskiwane jest podwójne uszczelnienie – o-ring i pierścienia zacinającego. Główną ideą rozwoju „B4”, było zaprojektowanie nowego pierścienia zacinającego, będącego o krok przed znanymi rozwiązaniami i pozwalającego rozwiązać problem utraty szczelności, wycieków, pocenia się oraz rozluźniania nakrętki. Biorąc pod uwagę aspekty bezpieczeństwa, system ten umożliwił również kontrolę wzrokową prawidłowego połączenia pomiędzy pierścieniem a rurą stalową.

The most original aspect of the product is that the structure of the existing ring has been used, inserting an o-ring in the inside part to obtain another seal on the tube used and a flat seal on the outer diameter to obtain two additional seals. The main idea behind the development of the “B4” was to design a new cutting ring able to go one step beyond the known techniques and to solve the problem of minor losses of tightness, leaks, sweating and loosening of the system fastening nut. With this new ring, the double clinching of the steel tube is still possible and as well as, for obvious reasons of safety, the visual inspection of correct coupling between the ring and the steel tube, maintaining the current, perfectly functional system of assembly that is widely known to product users.

USZCZELNIENIE (SEALING)

Uszczelka z elastomeru zapewnia hermetyczne szczelne połączenie rur. Znajduje się ona między wewnętrznym stożkiem korpusu łącznika a powierzchnią rury i w ten sposób zamyka jedyną potencjalną drogę przecieków. Ze względu na swój duży przekrój poprzeczny, uszczelka skutecznie kompensuje wszelkie odchylenia wykonawcze w strefie między rurą i stożkiem wewnętrznym łącznika. Efekt uszczelnienia wspomagany jest ciśnieniem w układzie, co sprawia, że łączniki systemu „B4” idealnie nadają się do układów wysokociśnieniowych. Statyczne ściśnięcie uszczelki zapobiega też wnikaniu powietrza do układu hydraulicznego w przypadku wystąpienia podciśnienia. Łączniki z trwale elastycznym uszczelnieniem elastomerowym, nie wymagają żadnego dokręcania w trakcie eksploatacji, nawet gdy pracują w ciężkich warunkach. Dzięki właściwemu kształtowi łącznika (bez szczelin ani wolnych „martwych” przestrzeni) nie występuje wyciskanie uszczelki. Uszczelka jest zwulkanizowana z metalowym pierścieniem podpierającym i nie da się jej zgubić.



„B4” rozwiązuje problem całkowitej szczelności w następujący sposób:
“B4” solves the problem of absolute tightness in the following way:

- **Na zewnętrznej średnicy stalowej rury**, dzięki podwójnym nacięciom oraz dzięki o-ringowi, umieszczonemu po wewnętrznej stronie pierścienia, który stanowi pierwsze uszczelnienie z materiału elastomerowego a który nie istniał do tej pory w żadnym z rozwiązań.

On the outer diameter of the steel tube, with the double cutting edges and with an o-ring placed inside the ring that provides a first seal with an elastomeric material that didn't exist before.

- **W stożku 24° korpusu złącza**, ze zwiększoną powierzchnią kontaktu metal-metal i z płaską podkładką umieszczoną na stałe na zewnętrznej średnicy pierścienia zacinającego, który podczas zaciśnięcia pomiędzy czołem pierścienia i przednią częścią korpusu złącza (frontem), zapewnia drugie uszczelnienie z materiału elastomerowego. Wcześniej taka opcja nie występowała.

In the 24° cone of the fitting body, with an increase in the metal-on-metal contact area and with a flat seal, placed statically on the outer diameter of the cutting ring which, when compressed between the head of the ring and the front of the fitting body, provides a second seal with an elastomeric material that didn't exist before.

- **W gwincie mocowania nakrętki**, dzięki płaskiej uszczelce. Gdy uszczelka ta jest ścisniona pomiędzy czołem pierścienia a przednią częścią korpusu złącza (frontem), zaczyna wypełniać zwoje gwintu nakrętki, które nie są zaangażowane w zaciskanie układu połączeniowego. Zapewnia to już trzecie z kolei uszczelnienie materiałem elastomerowym, które nie istniało do tej pory w żadnym z rozwiązań.

In the thread of the system fastening nut, with the flat seal. When this is compressed between the head of the ring and the front of the fitting body, it fills the threads of the nut that are not engaged in clinching of the coupling system, thus providing a third seal with an elastomeric material that didn't exist before.

- **Zasadniczo „B4” posiada sześć punktów uszczelniających**, z których trzy - to kontakt pomiędzy metalowymi częściami (metal-metal), a kolejne trzy - dzięki dwóm miękkim uszczelkom elastomerowym (płaska uszczelka zapewnia uszczelnienie w dwóch punktach). Przedstawione powyżej aspekty pozwalają zachować pełną, kompleksową szczelność, bez możliwości wycieków nawet w szczególnie trudnych warunkach pracy.

Basically, the “B4” provides six points of seal of which three metal to metal and three by means of two soft elastomeric seals (the flat seal assures two sealing points) thus obtaining a product able to assure complete tightness without any possibility of leakage even in particularly harsh operating conditions.

INSTRUKCJE OGÓLNE DLA PIERŚCIENI „B3” ORAZ „B4” (GENERAL INSTRUCTIONS FOR „B3” AND „B4” RINGS)

- Przed rozpoczęciem wstępnego montażu upewnij się, że urządzenie jest we właściwej pozycji. Urządzenie do wstępnego montażu pierścienia zacinającego dostępne jest w katalogu Hydropress Maszyny i Urządzenia. Kontrolę ustawień urządzenia należy dokonywać podczas wstępnego montażu co każde 30 – 50 uszczelnień.

Before starting the preassembly make sure that the pierce of the machine and the hardened blocks are in perfect working order. Ring preassembly tools available at Hydropress Machines & Tools Catalogue. Further inspections are necessary during the preassembly (every 30-50 tightening for this purpose we advise to use a control buffer 1000... pierce and replace any block out of tolerance.

- Cała uszczelniana część rury musi być w kontakcie stykowym z wewnętrzną częścią złącza. Jeśli ten warunek nie jest spełniony, pierścień będzie przesuwiał się po rurze bez jej zacinania. Skutkować to może tym, że połączenie nie będzie funkcjonowało i operacja łączenia będzie musiała być powtórzona. Podczas doszczelniania rura nie może się obracać razem z nakrętką. Możliwy obrót pierścienia podczas wstępnego montażu, nie jest wynikiem jego wady, lecz skutkiem prawidłowej jego elastyczności. Zawsze należy sprawdzić czy rura jest prawidłowo nacięta. Jeśli nacięcie nie pokrywa 80% frontowej strony pierścienia, wtedy połączenie nie funkcjonuje poprawnie i musi być wykonane ponownie. Wskazane wartości ciśnienia dotyczą wyłącznie rur stalowych. Niewłaściwy montaż pierścienia zacinającego, spowodować może wycieki cieczy o obniżonej lepkości oraz może spowodować skrócony okres eksploatacji połączenia, szczególnie gdy w układzie występują dynamiczne zmiany ciśnienia cieczy roboczej.

Over the whole tightening phase the tube must be in touch with the inner part of the body of the fitting. If this does not happen, the ring will advance with the tube without indenting it, so the coupling would not be functional and it would be necessary to do the operation again. The tube must not turn with the nut during the tightening phase; the capability of the ring to rotate, once the pre-assembly is done, is not a deficiency but is a consequence of the right elasticity of the ring. Always check that the tube be correctly indented. If the indentation does not cover 80% of the ring front side then the assembly is not functional and must be done again. Indicated pressures are for steel tubes only.

- W przypadku gdy używane są rury cienkościennie, specjalne miękkie rury, rury z Rilsanu lub podobne, połączenie jest możliwe, lecz należy wcisnąć specjalne tuleje wzmacniające na koniec rury, która ma być uszczelniana. Bez takiego wzmocnienia, praca z rurami wykonanymi z materiałów jak podano powyżej - nie jest możliwa.

In case thin wall tubes are used, specially mild tubes, or tubes in Rilsan or similar, the assembling is possible, but a suitable reinforcement must be inserted into the end of the tube that is going to be tightened. Without the reinforcement it is not possible to operate with the above mentioned materials.

- Przed przystąpieniem do właściwego montażu na urządzeniu wstępnie złączonej rury, należy sprawdzić czy rura oraz złącze są wyosiowane. Złącze nigdy nie powinno być używane do korekcji współosiowości lub do podtrzymywania rury. Ekstremalnie długie rury lub rury poddawane wysokim obciążeniom, powinny być bezwzględnie utwierdzone przy pomocy specjalnych uchwytów do rur (patrz Katalog Uchwytów Hydropress) tak, aby uniknąć nadmiernych drgań, mogących spowodować awarię układu.

Before assembling the preassembled tube to the equipment it is necessary to check that the tube and the fitting are aligned. Fitting should never be used to correct a wrong alignment or to be a support for the tube. Extremely long tubes or tubes undergoing high stress have absolutely to be fixed by using tube clamps (see Hydropress Tube Clamp Catalogue) to avoid excessive vibrations that could cause damage to the system.

- Właściwe nasmarowanie komponentów uszczelniających i uszczelnianych, jest podstawą poprawnej pracy. Zaleca się używanie pasty antyzatarciowej HP-DX Paste. Pasta dostępna w Hydropress.

The proper lubrication of components involved in the tightening is basic for good working. We advise to use anti-seizing paste HP-DX available at Hydropress.

- Złącza i zawory przedstawione w tym katalogu mogą być wykorzystane do połączeń płynowo-dynamicznych.

The fittings and the valves in this technical catalogue may be used for fluído-dynamic connections only.

- Nie jest dozwolone mieszanie komponentów wykonanych ze stali węglowej i nierdzewnej.

Is not allowed to mix carbon and stainless steel components.

STANDARZY UŻYTKOWANIA DLA PIERŚCIENI ZACINAJĄCYCH „B3” I „B4” (UTILIZATION STANDARDS FOR „B3” AND „B4” CUTTING RINGS)

ZŁĄCZA ZE STALI WĘGLOWEJ (CARBON STEEL FITTINGS)

- Dla zapewnienia właściwego użytkowania, należy stosować rury wysokiej jakości i złącza ze stali węglowej o odpowiednich właściwościach. Zastosowanie rur o niewłaściwych charakterystykach może poważnie obniżyć skuteczność łączenia. Zaleca się używanie wyłącznie rur: ST 37.4 stalowych, bezszwowych odpowiadające normie DIN 1630, z tolerancją średnicy zewnętrznej i wewnętrznej wg DIN 2391, o maksymalnie możliwej twardości mierzonej na średnicy zewnętrznej rury, wynoszącej 75 HRB. Dostępne w Hydropress.

High quality tubes must be employed to assure correct use and related technical performance of carbon steel fitting. Use of tubes without the aforementioned characteristics may seriously impair the efficiency of the fitting. We recommend use of the following tubes only: ST 37.4 steel seamless tubes complying with DIN 1630, inner and outer diameter tolerances as per DIN 2391, maximum permissible hardness, measured on the outer diameter of the tube is 75 HRB. Available at Hydropress.

- Wszystkie rury ze stali węglowej, o średnicy większej niż 10 mm, muszą być wstępnie łączone przy użyciu specjalnej maszyny do wstępnego montażu pierścieni zacinających. Jeśli natomiast nie jest to możliwe, powinny być użyte utwardzone matryce do zaciśnięcia w imadle (patrz Katalog Hydropress Maszyny i Urządzenia). Pamiętaj aby nasmarować gwint, nakrętkę oraz pierścieni pastą antyzatarcia HP-DX Paste. Jeżeli nie są wykorzystywane utwardzone matryce wstępnego montażu, można wykorzystać zwykłe złącza proste. Złącza użyte raz, muszą być wymienione. Części powinny być wstępnie łączone na utwardzonym stożku 24° (dla wszystkich średnic).

All carbon steel tubes with a diameter of more than 10 mm must be pre-assembled using the specific preassembly machine. If this is not available, hardened blocks, to be clamped in vice for manual preassembly, must be used (see Hydropress Machines & Tools Catalogue). Remember to oil the thread with anti-seizing paste HP-DX Paste, nut and ring. If hardened pre-assembly blocks are not available, normal straight fittings can be used. The fitting used once must be replaced at each tightening. During preassembly, pay particular attention to parts such as reducing standpipes and nipples as these are made of raw materials characterized, therefore, by higher resistance compared with the cuts made on annealed tubes. These parts must always be pre-assembled on hardened 24° cones (for all diameters).

ZŁĄCZA ZE STALI NIERDZEWNEJ (STAINLESS STEEL FITTINGS)

- Dla prawidłowego funkcjonowania powinny być używane rury ze stali o wysokiej jakości. Używanie rur bez wymienionych cech, może poważnie obniżyć trwałość połączenia. Zaleca się używanie wyłącznie rur: ciągnionych na zimno bezszwowych, rur 1.4404 / 316L lub 1.4571/316Ti wg. DIN 17458 lub ASTM A 269, o maksymalnej możliwej twardości mierzonej na zewnętrznej średnicy rury, o wartości 85 HRB. Dostępne w Hydropress.

High quality tubes must be employed to assure correct use and related technical performance of stainless steel fitting. Use of tubes without the aforementioned characteristics may seriously impair the efficiency of the fitting. We recommend use of the following tubes only: cold drawn seamless tube 1.4404 / 316L or 1.4571/316Ti as per DIN 17458 or ASTM A 269, maximum permitted hardness, measured on the outer diameter of the tube, measured on the outer diameter of the tube is 85 HRB. Available at Hydropress.

- Wszystkie rury ze stali nierdzewnej muszą być wstępnie zmontowane z wykorzystaniem specjalistycznej maszyny do wstępnego montażu pierścieni zacinających. Jeśli nie jest to możliwe, powinny zostać wykorzystane matryce utwardzone do ręcznego wstępnego montażu. W tym przypadku, należy upewnić się, że stół roboczy i imadło w którym zaciśnięta jest matryca, jest tak przymocowany, aby uniemożliwić jakikolwiek ruch, spowodowany momentem obrotowym, przyłożonym do nakrętki, podczas fazy wstępnego montażu. Wykonywanie montażu właściwego lub wstępnego bezpośrednio i wyłącznie na złączu - jest niedopuszczalne.

All stainless steel tubes must be pre-assembled using the specific preassembly machine. If this is not available, hardened blocks must be used for manual preassembly. In this case, make sure that the bench and vice in which the block is clamped are firmly fastened to prevent any possibility of movement caused by the twisting moment applied to the nut during the preassembly phase. Assembly or preassembly operations directly on the fitting are not allowed.

CERTYFIKATY JAKOŚCIOWE (QUALITY ASSURANCE)

System zapewniania jakości, odpowiada UNI EN ISO 9001, certyfikat (nr 90/94) wydany przez urząd certyfikacji RINA uznany przez IQNET na poziomie europejskim. Na życzenie klienta, nasz serwis jakości, może wydać świadectwa pochodzenia, dla materiałów użytych do wytworzenia dostarczonych produktów. Nasi Eksperti ds. Jakości są zawsze gotowi do udzielenia klientom porad, mogących ułatwić identyfikację naszych systemów łączenia.

- The Quality Assurance System complies with UNI EN ISO 9001, certificate (N°90/94) issued by the RINA certification authority recognized by IQNET at European level. At the customer's request, our Quality Service will issue certificates of origin for the materials used to manufacture the products delivered. Our Quality Experts are always ready to provide customers with advice, to guide them around our facilities as to provide documentation of the traceability system applied.

- Oprócz normalnej kontroli wymiarowej, przeprowadzanej podczas obróbki, przeprowadzane są inspekcje gotowego produktu, badania zmęczeniowe oraz badania szczelności rzeczywistej. Test złączy CAST, jest przeprowadzany również między różnymi elementami tych złączy. Na życzenie klienta, test produktu, kwestie serwisowe oraz zaświadczenie z przeprowadzonych badań, mogą dotyczyć: testów wymiarowych i geometrycznych, sprawdzania uszczelnienia statycznego przy niskim i wysokim ciśnieniu pracy układu oraz dynamicznego uszczelnienia przy ciśnieniu wysokim (maksymalne ciśnienie robocze + 33%) według ISO 8434-5. Wymienione w poniższym dziale elementy złączne posiadają certyfikaty odbiorcze 3.2 wg. EN 10204: 2006 wystawione przez: Det Norske Veritas (DNV), Lloyd's Register of Shipping (LR), Germanischer Lloyd (GL), American Bureau of Shipping (ABS), RINA, DVGW.

In addition to the normal dimensional checks carried out during machining, percentage inspections of the finished product, practical tightness and fatigue tests, coupling tests between the various parts are also carried out on CAST fittings. At the customer's request, our Product Test and Inspection Service issues the certificate of the tests carried out: dimensional and geometrical tests, checking of static seal at low and high pressure, dynamic seal at high pressure (maximum operating pressure + 33% as per ISO 8434-5). Tests was carried out by: Det Norske Veritas (DNV) - Lloyd's Register of Shipping (LR) - Germanischer Lloyd (GL) - American Bureau of Shipping (ABS) - RINA - DVGW.

CZYNNIKI BEZPIECZEŃSTWA (SAFETY FACTORS)

- Pierścienie B3 i B4 są właściwą odpowiedzią na potrzeby związane z bezpieczeństwem, jak również z funkcjonalną niezawodnością połączeń pomiędzy pierścieniem, stalową rurą oraz korpusem złącza. Czynniki bezpieczeństwa, gwarantowane są przez podwójne zaciskanie oraz automatyczne blokowanie, dzięki nacięciom na stalowej rurze (zapewniane przez odpowiedni kształt pierścienia).

B3 and B4 rings provide the right answer to safety problems so that absolute functional reliability between the ring, the steel tube and the fitting body is guaranteed by the double clinching and automatic locking of the cuts on the steel tube (assured by the particular shape of the ring).

- Oferta produktów CAST, w pełni spełnia parametry konstrukcyjne odpowiednich norm.

CAST's product range fully complies with the construction parameters of reference standards.

- Nominalne ciśnienie robocze (bar), podane w katalogu, wskazuje maksymalne dopuszczalne ciśnienie (w tym skoki ciśnienia). Dla wyższych ciśnień, elementy muszą być badane zgodnie z wymogami producenta dla układów do specyficznych zastosowań.

The nominal operating pressures (bar) given in the catalogue indicate the maximum permissible pressures (including pressure peaks). For higher pressure the items must be tested in accordance with the manufacturer for specific applications.

- Współczynnik bezpieczeństwa wynosi 4:1 i obejmuje obciążenia statyczne i temperatury wykazane w normie DIN 3861 (dla stożka 24°) dla połączeń rurowych. Ten sam współczynnik bezpieczeństwa 4:1 posiadają walcowo gwintowane końcówki złączy z uszczelnieniem elastomerowym. Dla połączeń śrubowych ze stożkiem albo złączy z gwintem walcowym z uszczelnieniem typu metal-metal współczynnik ten wynosi 2,5:1.

The safety factor is 4:1 and is intended with static load and with the temperature at the values indicated as per DIN 3861 (24° cone) for tube connection. The same safety factor 4:1 is intended for parallel threaded end fittings with elastomeric seal. For stud couplings with taper or parallel threaded end fittings with metal to metal seal safety factor is 2.5:1.

- Zrozumiął jest, że gwarancja produktu jest udzielana tylko wtedy, gdy połączenie jest wykonane w całości z produktów CAST i ich komponentów.

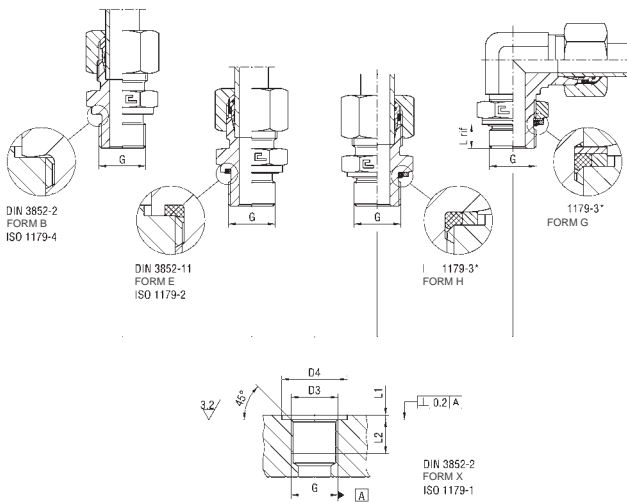
It is understood that the product is guaranteed only if the full connection is made entirely with CAST S.p.A. products and components



Próba niszcząca z rurą ze stali węglowej 28x2 (Destructive testing with 28x2 carbon steel tube).

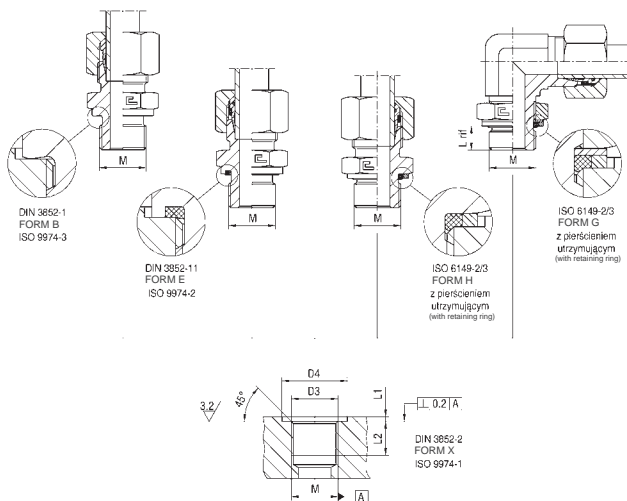
Rura pękła przy ciśnieniu 650 barów bez żadnych wycieków czy pocenia w punktach uszczelniających (The tube burst at 650 bar without any leakages or sweating from the sealing points).

GNAZDO PRZYŁĄCZA WEDŁUG DIN 2353 Z GWINTEM BSP
STUD ENDS DIN 2353 WITH BSP THREAD



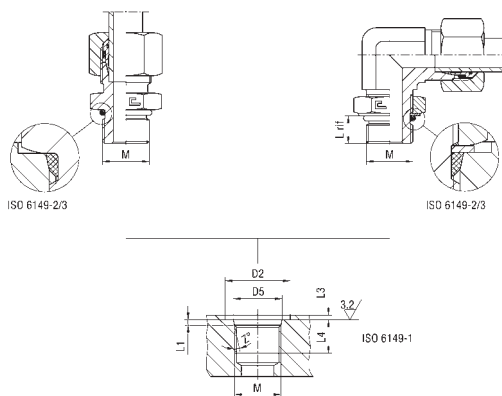
| Seria (Serie) | Ø Rury (Ø Tube) | Gwint BSP (BSP thread) | D3 | D4 min. forma B/E (form B/E) | D4 min. forma G/H (form G/H) | L1 max | L2 min | L rif | Moment (Nm) FORM B (Torque (Nm) FORM B) | Moment (Nm) FORM E (Torque (Nm) FORM E) | Moment (Nm) FORM H (Torque (Nm) FORM H) | Moment (Nm) FORM G (Torque (Nm) FORM G) |
|---------------|-----------------|------------------------|------|------------------------------|------------------------------|--------|--------|-------|---|---|---|---|
| L | 6 | G 1/8 | 9,8 | 15 | 17,2 | 1 | 8 | 7,5 | 20 | 20 | 20 | 20 |
| | 8 | G 1/4 | 13,2 | 20 | 20,7 | 1,5 | 12 | 10,2 | 45 | 45 | 45 | 45 |
| | 10 | G 1/4 | 13,2 | 20 | 20,7 | 1,5 | 12 | 10,2 | 45 | 45 | 45 | 45 |
| | 12 | G 3/8 | 16,7 | 23 | 24,5 | 2 | 12 | 10,4 | 70 | 70 | 70 | 70 |
| | 15 | G 1/2 | 21 | 28 | 29,6 | 2,5 | 14 | 13,1 | 130 | 85 | 85 | 85 |
| | 18 | G 1/2 | 21 | 28 | 29,6 | 2,5 | 14 | 13,1 | 130 | 85 | 85 | 85 |
| | 22 | G 3/4 | 26,5 | 33 | 36,9 | 2,5 | 16 | 13,5 | 170 | 170 | 170 | 170 |
| | 28 | G 1 | 33,3 | 41 | 46,1 | 2,5 | 18 | 14,7 | 330 | 330 | 330 | 330 |
| | 35 | G 1 1/4 | 42 | 51 | 54 | 2,5 | 20 | 14,7 | 510 | 430 | 430 | 430 |
| | 42 | G 1 1/2 | 47,9 | 56 | 60,5 | 2,5 | 22 | 14,7 | 600 | 510 | 510 | 510 |
| S | 6 | G 1/4 | 13,2 | 20 | 20,7 | 1,5 | 12 | 10,2 | 55 | 55 | 55 | 55 |
| | 8 | G 1/4 | 13,2 | 20 | 20,7 | 1,5 | 12 | 10,2 | 55 | 55 | 55 | 55 |
| | 10 | G 3/8 | 16,7 | 23 | 24,5 | 2 | 12 | 10,4 | 85 | 80 | 80 | 80 |
| | 12 | G 3/8 | 16,7 | 23 | 24,5 | 2 | 12 | 10,4 | 85 | 80 | 80 | 80 |
| | 14 | G 1/2 | 21 | 28 | 29,6 | 2,5 | 14 | 13,1 | 150 | 110 | 110 | 110 |
| | 16 | G 1/2 | 21 | 28 | 29,6 | 2,5 | 14 | 13,1 | 150 | 110 | 110 | 110 |
| | 20 | G 3/4 | 26,5 | 33 | 36,9 | 2,5 | 16 | 13,5 | 280 | 170 | 170 | 170 |
| | 25 | G 1 | 33,3 | 41 | 46,1 | 2,5 | 18 | 14,7 | 330 | 330 | 330 | 330 |
| | 30 | G 1 1/4 | 42 | 51 | 54 | 2,5 | 20 | 14,7 | 510 | 430 | 430 | 430 |
| | 38 | G 1 1/2 | 47,9 | 56 | 60,5 | 2,5 | 22 | 14,7 | 680 | 510 | 510 | 510 |

GNAZDO PRZYŁĄCZA WEDŁUG DIN 2353 Z GWINTEM METRYCZNYM
STUD ENDS DIN 2353 WITH METRIC THREAD



| Seria (Serie) | Ø Rury (Ø Tube) | Gwint Metryczny (Metric thread) | D3 | D4 min. forma B/E (form B/E) | D4 min. forma G/H (form G/H) | L1 max | L2 min | L rif | Moment (Nm) FORM B (Torque (Nm) FORM B) | Moment (Nm) FORM E (Torque (Nm) FORM E) | Moment (Nm) FORM H (Torque (Nm) FORM H) | Moment (Nm) FORM G (Torque (Nm) FORM G) |
|---------------|-----------------|---------------------------------|----|------------------------------|------------------------------|--------|--------|-------|---|---|---|---|
| L | 6 | M10x1 | 10 | 15 | 16 | 1 | 8 | 7,6 | 20 | 20 | 20 | 20 |
| | 8 | M12x1,5 | 12 | 18 | 19 | 1,5 | 12 | 9,7 | 30 | 30 | 30 | 30 |
| | 10 | M14x1,5 | 14 | 20 | 21 | 1,5 | 12 | 9,7 | 45 | 45 | 50 | 50 |
| | 12 | M16x1,5 | 16 | 23 | 24 | 1,5 | 12 | 10,2 | 60 | 55 | 55 | 55 |
| | 15 | M18x1,5 | 18 | 25 | 26 | 2 | 12 | 10,9 | 80 | 70 | 70 | 70 |
| | 18 | M22x1,5 | 22 | 28 | 29 | 2,5 | 14 | 12 | 130 | 120 | 120 | 120 |
| | 22 | M26x1,5 | 26 | 33 | - | 2,5 | 16 | - | 180 | 170 | - | - |
| | 22 | M27x2 | 27 | 33 | 34 | 2,5 | 16 | 13,8 | - | - | 170 | 170 |
| | 28 | M33x2 | 33 | 41 | 43 | 2,5 | 18 | 13,8 | 330 | 330 | 330 | 330 |
| | 35 | M42x2 | 42 | 51 | 52 | 2,5 | 20 | 13,8 | 470 | 430 | 430 | 430 |
| S | 42 | M48x2 | 48 | 56 | 57 | 2,5 | 22 | 15,3 | 600 | 510 | 510 | 510 |
| | 6 | M12x1,5 | 12 | 18 | 19 | 1,5 | 12 | 9,7 | 40 | 40 | 40 | 40 |
| | 8 | M14x1,5 | 14 | 20 | 21 | 1,5 | 12 | 9,7 | 55 | 55 | 55 | 55 |
| | 10 | M16x1,5 | 16 | 23 | 24 | 1,5 | 12 | 10,2 | 80 | 70 | 70 | 70 |
| | 12 | M18x1,5 | 18 | 25 | 26 | 2 | 12 | 10,9 | 105 | 85 | 85 | 85 |
| | 14 | M20x1,5 | 20 | 27 | 27 | 2 | 14 | 12 | 150 | 120 | 120 | 120 |
| | 16 | M22x1,5 | 22 | 28 | 29 | 2,5 | 14 | 12 | 170 | 130 | 130 | 130 |
| | 20 | M27x2 | 27 | 33 | 34 | 2,5 | 16 | 13,8 | 200 | 170 | 170 | 170 |
| | 25 | M33x2 | 33 | 41 | 43 | 2,5 | 18 | 13,8 | 390 | 330 | 330 | 330 |
| | 30 | M42x2 | 42 | 51 | 52 | 2,5 | 20 | 13,8 | 510 | 430 | 430 | 430 |
| 38 | M48x2 | 48 | 56 | 57 | 2,5 | 22 | 15,3 | 680 | 510 | 510 | 510 | |

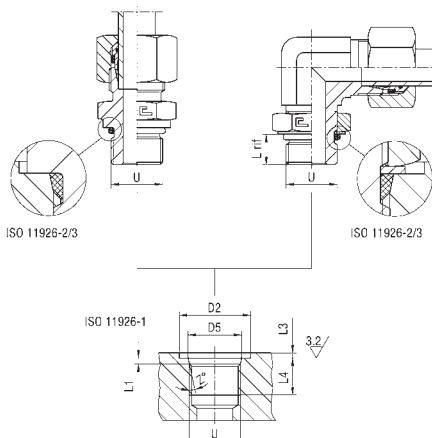
GNAZDO PRZYŁĄCZA WEDŁUG DIN 2353 Z GWINTEM METRYCZNYM (ISO 6149)
STUD ENDS DIN 2353 WITH METRIC THREAD (ISO 6149)



| Seria (Serie) | P max ISO 6149 PROSTE (STRAIGHT) | P max ISO 6149 NASTAWNE (ADJUSTABLE) | Ø Rury (Ø Tube) | Gwint Metryczny (Metric thread) | D2 min. | D5 | L1 | L3 max | L4 min | L rif | Z' | Moment (Nm) ISO 6149 PROSTE (Torque (Nm) STRAIGHT) | Moment (Nm) ISO 6149 NASTAWNE (Torque (Nm) ADJUSTABLE) |
|---------------|----------------------------------|--------------------------------------|-----------------|---------------------------------|---------|------|-----|--------|--------|-------|----|--|--|
| L | 315 | 315 | 6 | M10x1 | 16 | 11,1 | 1,6 | 1 | 10 | 8,6 | 12 | 15 | 15 |
| | 315 | 315 | 8 | M12x1,5 | 19 | 13,8 | 2,4 | 1,5 | 11,5 | 11,1 | 15 | 25 | 25 |
| | 315 | 315 | 10 | M14x1,5 | 21 | 15,8 | 2,4 | 1,5 | 11,5 | 11,1 | 15 | 30 | 30 |
| | 315 | 250 | 12 | M16x1,5 | 24 | 17,8 | 2,4 | 1,5 | 13 | 11,6 | 15 | 35 | 35 |
| | 315 | 250 | 15 | M18x1,5 | 26 | 19,8 | 2,4 | 2 | 14,5 | 12,3 | 15 | 40 | 40 |
| | 315 | 250 | 18 | M22x1,5 | 29 | 23,8 | 2,4 | 2 | 15,5 | 13,4 | 15 | 55 | 55 |
| | 160 | 160 | 22 | M27x2 | 34 | 29,4 | 3,1 | 2 | 19 | 15,8 | 15 | 85 | 85 |
| | 160 | 160 | 28 | M33x2 | 43 | 35,4 | 3,1 | 2,5 | 19 | 15,8 | 15 | 140 | 140 |
| | 160 | 160 | 35 | M42x2 | 52 | 44,4 | 3,1 | 2,5 | 19,5 | 15,8 | 15 | 180 | 180 |
| | 160 | 160 | 42 | M48x2 | 57 | 50,4 | 3,1 | 2,5 | 22 | 17,3 | 15 | 230 | 230 |
| S | 630 | 400 | 6 | M12x1,5 | 19 | 13,8 | 2,4 | 1,5 | 11,5 | 11,1 | 15 | 30 | 30 |
| | 630 | 400 | 8 | M14x1,5 | 21 | 15,8 | 2,4 | 1,5 | 11,5 | 11,1 | 15 | 40 | 40 |
| | 630 | 400 | 10 | M16x1,5 | 24 | 17,8 | 2,4 | 1,5 | 13 | 11,6 | 15 | 50 | 50 |
| | 630 | 400 | 12 | M18x1,5 | 26 | 19,8 | 2,4 | 2 | 14,5 | 12,3 | 15 | 60 | 60 |
| | 400 | 400 | 14 | M20x1,5 | 27 | 21,8 | 2,4 | 2 | 14,5 | 13,4 | 15 | 70 | 70 |
| | 400 | 400 | 16 | M22x1,5 | 29 | 23,8 | 2,4 | 2 | 15,5 | 13,4 | 15 | 85 | 85 |
| | 400 | 400 | 20 | M27x2 | 34 | 29,4 | 3,1 | 2 | 19 | 15,8 | 15 | 150 | 150 |
| | 400 | 315 | 25 | M33x2 | 43 | 35,4 | 3,1 | 2,5 | 19 | 15,8 | 15 | 260 | 260 |
| | 250 | 250 | 30 | M42x2 | 52 | 44,4 | 3,1 | 2,5 | 19,5 | 15,8 | 15 | 280 | 280 |
| | 250 | 200 | 38 | M48x2 | 57 | 50,4 | 3,1 | 2,5 | 22 | 17,3 | 15 | 360 | 360 |

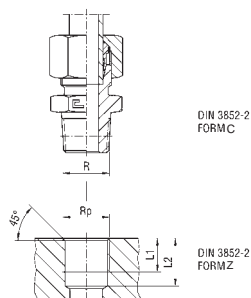
GNIAZDO PRZYŁĄCZA WEDŁUG DIN 2353 Z GWINTEM UNF/UN-2A STUD ENDS DIN 2353 WITH UNF/UN-2A THREAD

| Seria (Serie) | Ø Rury (Ø Tube) | Gwint UNF/UN-2A (UNF/UN-2A thread) | D2 min. | D5 | L1 | L3 max | L4 min | L rif | Z' | Moment (Nm) PROSTE (Torque (Nm) STRAIGHT) | Moment (Nm) NASTAWNE (Torque (Nm) ADJUSTABLE) |
|---------------|-----------------|------------------------------------|---------------|-------|-------|--------|--------|-------|-----|---|---|
| L | 6 | 7/16-20 UNF-2A | 21 | 12,45 | 2,4 | 1,6 | 11,5 | 9,9 | 12 | 20 | 20 |
| | 8 | 1/2-20 UNF-2A | 23 | 14,05 | 2,4 | 1,6 | 11,5 | 9,9 | 12 | 25 | 25 |
| | 10 | 1/2-20 UNF-2A | 23 | 14,05 | 2,4 | 1,6 | 11,5 | 9,9 | 12 | 25 | 25 |
| | 12 | 9/16-18 UNF-2A | 25 | 15,7 | 2,5 | 1,6 | 12,7 | 11,1 | 12 | 30 | 30 |
| | 15 | 3/4-16 UNF-2A | 30 | 20,65 | 2,5 | 2,4 | 14,3 | 12,5 | 15 | 45 | 45 |
| | 18 | 3/4-16 UNF-2A | 30 | 20,65 | 2,5 | 2,4 | 14,3 | 12,5 | 15 | 45 | 45 |
| | 18 | 7/8-14 UNF-2A | 34 | 24 | 2,5 | 2,4 | 16,7 | 14,5 | 15 | 55 | 55 |
| | 22 | 1 1/16-12 UN-2A | 41 | 29,2 | 3,3 | 2,4 | 19 | 16,8 | 15 | 85 | 85 |
| | 28 | 1 5/16-12 UN-2A | 49 | 35,55 | 3,3 | 3,2 | 19 | 16,8 | 15 | 130 | 130 |
| | 35 | 1 5/8-12 UN-2A | 58 | 43,55 | 3,3 | 3,2 | 19 | 16,8 | 15 | 170 | 170 |
| | 42 | 1 7/8-12 UN-2A | 65 | 49,9 | 3,3 | 3,2 | 19 | 16,8 | 15 | 180 | 180 |
| | S | 6 | 1/2-20 UNF-2A | 23 | 14,05 | 2,4 | 1,6 | 11,5 | 9,9 | 12 | 25 |
| 8 | | 1/2-20 UNF-2A | 23 | 14,05 | 2,4 | 1,6 | 11,5 | 9,9 | 12 | 25 | 25 |
| 10 | | 9/16-18 UNF-2A | 25 | 15,7 | 2,5 | 1,6 | 12,7 | 11,1 | 12 | 35 | 35 |
| 12 | | 9/16-18 UNF-2A | 25 | 15,7 | 2,5 | 1,6 | 12,7 | 11,1 | 12 | 35 | 35 |
| 14 | | 3/4-16 UNF-2A | 30 | 20,65 | 2,5 | 2,4 | 14,3 | 12,5 | 15 | 60 | 60 |
| 16 | | 3/4-16 UNF-2A | 30 | 20,65 | 2,5 | 2,4 | 14,3 | 12,5 | 15 | 60 | 60 |
| 16 | | 7/8-14 UNF-2A | 34 | 24 | 2,5 | 2,4 | 16,7 | 14,5 | 15 | 85 | 85 |
| 20 | | 1 1/16-12 UN-2A | 41 | 29,2 | 3,3 | 2,4 | 19 | 16,8 | 15 | 150 | 150 |
| 25 | | 1 5/16-12 UN-2A | 49 | 35,55 | 3,3 | 3,2 | 19 | 16,8 | 15 | 230 | 230 |
| 30 | | 1 5/8-12 UN-2A | 58 | 43,55 | 3,3 | 3,2 | 19 | 16,8 | 15 | 250 | 250 |
| 38 | | 1 7/8-12 UN-2A | 65 | 49,9 | 3,3 | 3,2 | 19 | 16,8 | 15 | 320 | 320 |



GNIAZDO PRZYŁĄCZA WEDŁUG DIN 2353 Z GWINTEM BSPT STUD ENDS DIN 2353 WITH BSPT THREAD

| Seria (Serie) | Ø Rury (Ø Tube) | Gwint BSPT (BSPT thread) | L1 | L2 |
|---------------|-----------------|--------------------------|------|------|
| L | 6 | R 1/8 | 5,5 | 9,5 |
| | 8 | R 1/4 | 8,5 | 13,5 |
| | 10 | R 1/4 | 8,5 | 13,5 |
| | 12 | R 3/8 | 8,5 | 13,5 |
| | 15 | R 1/2 | 10,5 | 16,5 |
| | 18 | R 1/2 | 10,5 | 16,5 |
| | 22 | R 3/4 | 13 | 19 |
| | 28 | R 1 | - | - |
| | 35 | R 1 1/4 | - | - |
| S | 6 | R 1/4 | 8,5 | 13,5 |
| | 8 | R 1/4 | 8,5 | 13,5 |
| | 10 | R 3/8 | 8,5 | 13,5 |
| | 12 | R 3/8 | 8,5 | 13,5 |
| | 14 | R 1/2 | 10,5 | 16,5 |
| | 16 | R 1/2 | 10,5 | 16,5 |
| | 20 | R 3/4 | 13 | 19 |
| | 25 | R 1 | - | - |
| | 30 | R 1 1/4 | - | - |
| 38 | R 1 1/2 | - | - | |

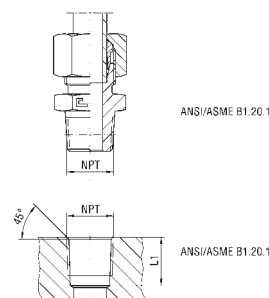


DIN 3852-2
FORMC

DIN 3852-2
FORMZ

GNIAZDO PRZYŁĄCZA WEDŁUG DIN 2353 Z GWINTEM NPT STUD ENDS DIN 2353 WITH NPT THREAD

| Seria (Serie) | Ø Rury (Ø Tube) | Gwint NPT (NPT thread) | L1 | |
|---------------|-----------------|------------------------|------------|------|
| L | 6 | 1/8-27 NPT | 11,6 | |
| | 8 | 1/4-18 NPT | 16,4 | |
| | 10 | 1/4-18 NPT | 16,4 | |
| | 12 | 3/8-18 NPT | 17,4 | |
| | 15 | 1/2-14 NPT | 22,6 | |
| | 18 | 1/2-14 NPT | 22,6 | |
| | 22 | 3/4-14 NPT | 23,1 | |
| | 28 | 1-11,5 NPT | 27,8 | |
| | 35 | 1 1/4-11,5 NPT | 28,3 | |
| | 42 | 1 1/2-11,5 NPT | 28,3 | |
| | S | 6 | 1/4-18 NPT | 16,4 |
| | | 8 | 1/4-18 NPT | 16,4 |
| 10 | | 3/8-18 NPT | 17,4 | |
| 12 | | 3/8-18 NPT | 17,4 | |
| 14 | | 1/2-14 NPT | 22,6 | |
| 16 | | 1/2-14 NPT | 22,6 | |
| 20 | | 3/4-14 NPT | 23,1 | |
| 25 | | 1-11,5 NPT | 27,8 | |
| 30 | | 1 1/4-11,5 NPT | 28,3 | |
| 38 | | 1 1/2-11,5 NPT | 28,3 | |

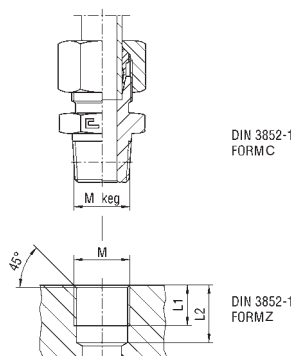


ANSI/ASME B1.20.1

ANSI/ASME B1.20.1

GNIAZDO PRZYŁĄCZA WEDŁUG DIN 2353 Z GWINTEM METRYCZNYM STOŻKOWYM STUD ENDS DIN 2353 WITH METRIC TAPER THREAD

| Seria (Serie) | Ø Rury (Ø Tube) | Gwint Metryczny Stożkowy (Metric taper thread) | L1 | L2 |
|---------------|-----------------|--|------|------|
| L | 6 | M10x1 keg | 5,5 | 10 |
| | 8 | M12x1,5 keg | 8,5 | 13,5 |
| | 10 | M14x1,5 keg | 8,5 | 13,5 |
| | 12 | M16x1,5 keg | 8,5 | 13,5 |
| | 15 | M18x1,5 keg | 8,5 | 13,5 |
| | 18 | M22x1,5 keg | 10,5 | 15,5 |
| S | 6 | M12x1,5 keg | 8,5 | 13,5 |
| | 8 | M14x1,5 keg | 8,5 | 13,5 |
| | 10 | M16x1,5 keg | 8,5 | 13,5 |
| | 12 | M18x1,5 keg | 8,5 | 13,5 |
| | 14 | M20x1,5 keg | 10,5 | 15,5 |
| | 16 | M22x1,5 keg | 10,5 | 15,5 |



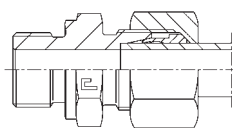
DIN 3852-1
FORMC

DIN 3852-1
FORMZ

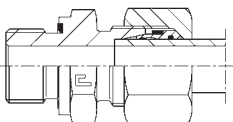
MOMENT DOKRĘCANIA DLA PIERŚCIENI "B3" I "B4"

WEDŁUG DIN 3861 DLA STALI WĘGLOWEJ I NIERDZEWNEJ

TIGHTENING TORQUES FOR "B3" AND "B4" CUTTING RINGS
DIN 3861 CONE FOR CARBON AND STAINLESS STEEL



Montaż pierścienia B3
(Assembly B3)



Montaż pierścienia B4
(Assembly B4)

| Seria (Serie) | Ø Rury (Ø Tube) | Gwint Metryczny (Metric thread) | Ręcznie stal węglowa (Nm) (Manual Carbon (Nm)) | Ręcznie stal nierdzewna (Nm) (Manual Stainless(Nm)) | Mechanicznie stal węglowa (Kg) (Machine Carbon (Kg)) | Mechanicznie stal nierdzewna (Kg) (Machine Stainless (Kg)) |
|---------------|-----------------|---------------------------------|--|---|--|--|
| L | 6 | M12x1,5 | 20 | 30 | 1200 | 1400 |
| | 8 | M14x1,5 | 25 | 55 | 1400 | 1700 |
| | 10 | M16x1,5 | 30 | 85 | 2000 | 2200 |
| | 12 | M18x1,5 | 40 | 120 | 2100 | 2400 |
| | 15 | M22x1,5 | 60 | 130 | 2400 | 3300 |
| | 18 | M26x1,5 | 90 | 220 | 2500 | 3600 |
| | 22 | M30x2 | 170 | 320 | 2600 | 3800 |
| | 28 | M36x2 | 210 | 500 | 3000 | 6900 |
| | 35 | M45x2 | 360 | 970 | 5500 | 10000 |
| | 42 | M52x2 | 490 | 1110 | 6700 | 12500 |
| S | 6 | M14x1,5 | 25 | 45 | 1200 | 1400 |
| | 8 | M16x1,5 | 30 | 55 | 1400 | 1700 |
| | 10 | M18x1,5 | 40 | 90 | 2000 | 2200 |
| | 12 | M20x1,5 | 50 | 105 | 2100 | 2400 |
| | 14 | M22x1,5 | 70 | 150 | 2400 | 3300 |
| | 16 | M24x1,5 | 80 | 180 | 2500 | 3600 |
| | 20 | M30x2 | 140 | 340 | 2600 | 6400 |
| | 25 | M36x2 | 230 | 530 | 5000 | 9300 |
| | 30 | M42x2 | 300 | 610 | 5500 | 10000 |
| | 38 | M52x2 | 430 | 850 | 6700 | 12500 |

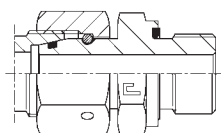
SERIA 60... PRZYŁĄCZE NAKRĘTNE

SERIES 60... SWIVEL NUT

MOMENT DOKRĘCANIA DLA PRZYŁĄCZY NAKRĘTNYCH

WEDŁUG DIN 3861 DLA STALI WĘGLOWEJ I NIERDZEWNEJ

TIGHTENING TORQUES FOR SWIVEL NUT FITTINGS
DIN 3861 CONE FOR CARBON AND STAINLESS STEEL



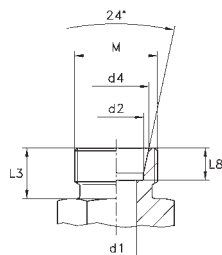
| Seria (Serie) | Ø Rury (Ø Tube) | Gwint Metryczny (Metric thread) | Moment (Nm) (Torque (Nm)) |
|---------------|-----------------|---------------------------------|---------------------------|
| L | 6 | M12x1,5 | 20 |
| | 8 | M14x1,5 | 35 |
| | 10 | M16x1,5 | 40 |
| | 12 | M18x1,5 | 45 |
| | 15 | M22x1,5 | 55 |
| | 18 | M26x1,5 | 110 |
| | 22 | M30x2 | 130 |
| | 28 | M36x2 | 200 |
| | 35 | M45x2 | 220 |
| | 42 | M52x2 | 240 |
| S | 6 | M14x1,5 | 40 |
| | 8 | M16x1,5 | 45 |
| | 10 | M18x1,5 | 50 |
| | 12 | M20x1,5 | 60 |
| | 14 | M22x1,5 | 80 |
| | 16 | M24x1,5 | 100 |
| | 20 | M30x2 | 160 |
| | 25 | M36x2 | 240 |
| | 30 | M42x2 | 260 |
| | 38 | M52x2 | 350 |

PARAMETRY ROZMIARÓW STOŻKA WEDŁUG DIN 3861 WYMIARY GWINTÓW DLA DIN 3853

Dostępne dla pierścieni B3 i B4

DEFINITION OF CONE SIZE TO DIN 3861 STANDARDS
THREAD DIAMETERS TO DIN 3853 STANDARDS

Allowed for B3 and B4 rings



| Seria (Serie) | Ciśnienie (Bar) | Ø Rury (Ø Tube) | Gwint Metryczny M (Metric thread M) | d1 | d2 ^{B1} | d4 ^{B1} | L3 | L8 ^{B1} | |
|---------------|-----------------|-----------------|-------------------------------------|---------|------------------|------------------|-----|------------------|------|
| LL | 100 | 4 | M8x1 | 3 | 4 | 5 | 8 | 4 | |
| | | 6 | M10x1 | 4,5 | 6 | 7,5 | 8 | 5,5 | |
| | | 8 | M12x1,5 | 6 | 8 | 9,5 | 9 | 5,5 | |
| L | 250 | 6 | M12x1,5 | 4 | 6 | 8,1 | 10 | 7 | |
| | | 8 | M14x1,5 | 6 | 8 | 10,1 | 10 | 7 | |
| | | 10 | M16x1,5 | 8 | 10 | 12,3 | 11 | 7 | |
| | | 12 | M18x1,5 | 10 | 12 | 14,3 | 11 | 7 | |
| | | 15 | M22x1,5 | 12 | 15 | 17,3 | 12 | 7 | |
| | 160 | 18 | M26x1,5 | 15 | 18 | 20,3 | 12 | 7,5 | |
| | | 22 | M30x2 | 19 | 22 | 24,3 | 14 | 7,5 | |
| | | 28 | M36x2 | 24 | 28 | 30,3 | 14 | 7,5 | |
| | | 100 | 35 | M45x2 | 30 | 35 | 38 | 16 | 10,5 |
| | | | 42 | M52x2 | 36 | 42 | 45 | 16 | 11 |
| S | 630 | | 6 | M14x1,5 | 4 | 6 | 8,1 | 12 | 7 |
| | | 8 | M16x1,5 | 5 | 8 | 10,1 | 12 | 7 | |
| | | 10 | M18x1,5 | 7 | 10 | 12,3 | 12 | 7,5 | |
| | | 12 | M20x1,5 | 8 | 12 | 14,3 | 12 | 7,5 | |
| | | 14 | M22x1,5 | 10 | 14 | 16,3 | 14 | 8 | |
| | 400 | 16 | M24x1,5 | 12 | 16 | 18,3 | 14 | 8,5 | |
| | | 20 | M30x2 | 16 | 20 | 22,9 | 16 | 10,5 | |
| | | 25 | M36x2 | 20 | 25 | 27,9 | 18 | 12 | |
| | | 250 | 30 | M42x2 | 25 | 30 | 33 | 20 | 13,5 |
| | | | 38 | M52x2 | 32 | 38 | 41 | 22 | 16 |

INSTRUKCJE MONTAŻU ZGODNIE Z DIN 3859-2 DLA PIERŚCIENI "B3" – "B4" (ASSEMBLY INSTRUCTIONS ACCORDING TO DIN 3859-2 FOR "B3" - "B4")

- Przed montażem wstępnym, należy upewnić się, czy wszystkie narzędzia są w idealnym stanie. Narzędzia uszkodzone trzeba wymienić. Wszelkie narzędzia niezbędne do prawidłowego montażu są dostępne w Katalogu Hydropress Maszyny i Narzędzia.

Before pre-assembly, make sure that all the tools to be used are in perfect working order. Replace any inefficient tools. All tools necessary for proper assembly available at Hydropress Machines & Tools Catalogue.
- Odcinek rury, który ma być wstępnie zmontowany, powinien mieć część odcinka prostego o długości przynajmniej podwójnej wysokości nakrętki (odcinek H). Okrągłość rury musi być zgodna z normą DIN 2391.

The segment of tube to be pre-assembled must have a straight section at least twice the length of the nut (length H). Roundness must comply with DIN 2391.
- Należy prostopadłe obciąć rurę, używając do tego odpowiedniej piły do metali (nie używać obcinaków rolkowych). Należy sprawdzić czy cięcie jest wykonane właściwie, pod kątem 90°. Usunąć wszystkie wewnętrzne i zewnętrzne zadziory stosując gradownik HP Clean. Usunięcie zadziorów wewnętrznych jest szczególnie istotne, gdyż mogą się one dostać do cieczy roboczej i stanowić poważne zagrożenie dla wrażliwych na zanieczyszczenia elementów układu.

Cut the tube square by using an appropriate hack-saw (do not use roller type tube cutters). Check that the cut is properly made at 90°. Remove any internal and external burrs by deburring tool.
- Należy następnie nasmarować stożek o kącie 24°, gwint korpusu, pierścieni zacinający oraz nakrętkę przy użyciu właściwej pasty antyzatarcowej HP-DX Paste.

Paste the 24° cone, the thread of the body, the cutting ring and the nut with anti-seizing paste HP-DX Paste.
- Zakładamy nakrętkę oraz pierścieni zacinający na rurę tak, jak pokazano na rysunku nr 8. Pierścieni zacinający musi być zwrócony większą średnicą do nakrętki.

Fit the nut and the cutting ring on the tube as shown. The larger diameter of the cutting ring must face the nut.
- Nałóż rurę na stożek 24°, aż do kontaktu ze zderzakiem. Należy zakręcić nakrętkę ręcznie, aż do momentu gdy pierścieni zacinający nie osiadzie pewnie w nakrętce. Następnie dokręcamy nakrętkę kluczem do momentu, gdy krawędź zacinająca pierścienia nie wejdzie w kontakt z rurą i uniemożliwi jej obrót.

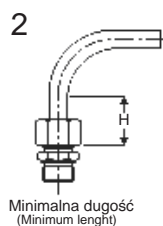
Insert the tube on the 24° cone until it comes into contact with the stop. Tighten the nut by hand until the cutting ring rests firmly on the nut. Then tighten the nut with a wrench until the cutting edge of the ring is in contact with the tube and prevents rotation of this.
- Trzymając rurę nieruchomo i upewniwszy się, że się nie obraca, dokręcamy nakrętkę o 3/4 obrotu. W ten sposób, krawędź zacinająca pierścienia, wcina się od zewnątrz w rurę na odpowiednią głębokość i w tym samym czasie druga krawędź zaciska rurę.

Holding the tube against its stop and making it sure it does not rotate, tighten the nut by 3/4 of a turn. This way, the cutting edge of the nut cuts into the outer part of the tube for the necessary depth and raises an edge in front of its cutting edge while the second cutting edge clinches the tube at the same time.
- Następnie należy poluzować nakrętkę i sprawdzić czy na całym obwodzie rury jest wyraźnie zacięta krawędź. Zacięta krawędź musi pokrywać 80% frontu pierścienia zacinającego. Sprawdzian ten jest absolutnie kluczowy dla procesu montażu! Jeśli nacięta krawędź nie jest wystarczająca, proces wstępnego montażu należy powtórzyć.

Loosen the nut and check that there is a clearly raised edge all round the tube. The edge must cover 80% of the front of the cutting ring. This check is preemptory for the safety of all concerned!!! If the raised edge is not satisfactory, pre-assembly must be repeated.
- Jeśli proces wstępnego montażu został przeprowadzony poprawnie, należy zamontować rurę na maszynie, dokładnie do uzyskania pewnego oporu i następnie dokręcić o kolejne 1/4 obrotu przy pomocy klucza i klucza kontrującego.

If pre-assembly has been carried out correctly, fit the tube on the machine, close with a wrench until a certain resistance is encountered and then tighten for a further 1/4 turn with wrench to wrench contrast.
- Każdy proces wstępnego montażu złączy, musi być wykonany na narzędziu do wstępnego montażu pierścieni zacinających, stosując matryce lub urządzenia do wstępnego montażu pierścieni zacinających stosując matryce do wstępnego montażu (dostępne w Hydropress)(bloki i maszyny).

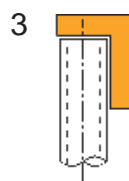
All the pre-assembly of stainless steel fittings must be performed with pre-assembly cutting ring machines or dies (available at Hydropress)(blocks or machines).



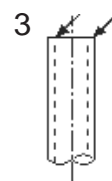
Minimalna długość
(Minimum length)



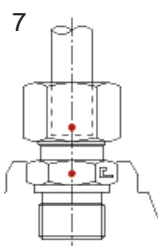
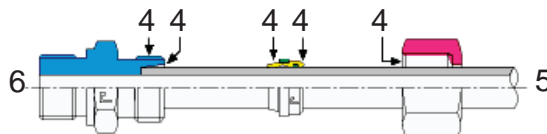
Obcięcie rury piłą do metali
(Tube cutting with hack-saw)



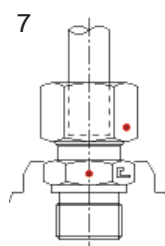
Sprawdzenie poprawności obcięcia rury
(Check cut)



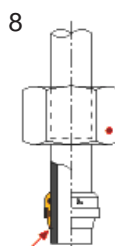
Usunięcie niewielkich pozostałości
po obcięciu gradownikiem
(Slight deburr)



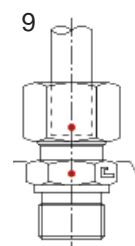
Początek montażu wstępnego
(Start of pre-assembly)



Montaż wstępny 3/4 obrotu
(Pre-assembly 3/4 turn)



Obowiązkowe sprawdzenie zacięcia
(Preemptory cut check)

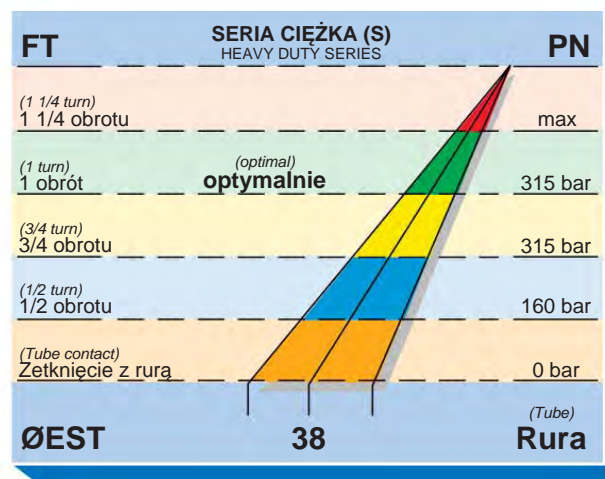
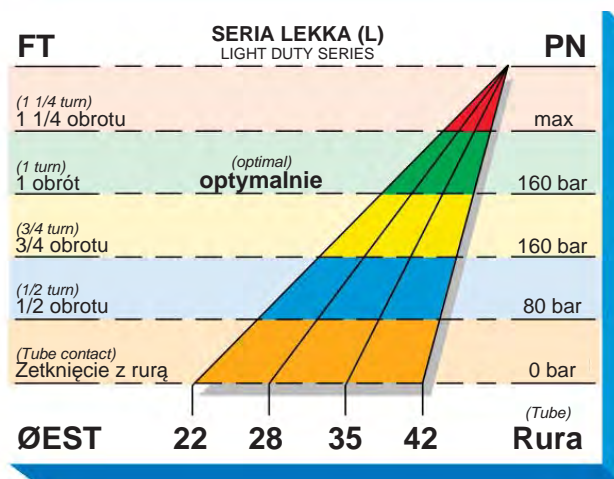
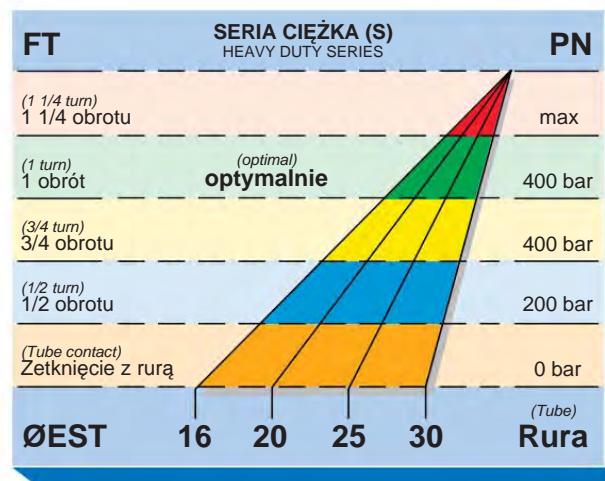
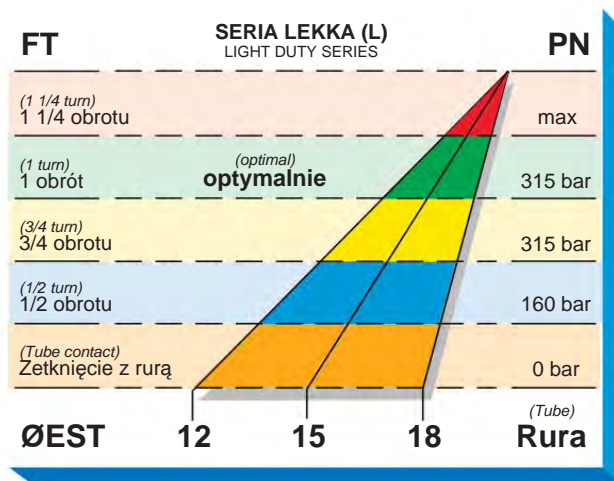
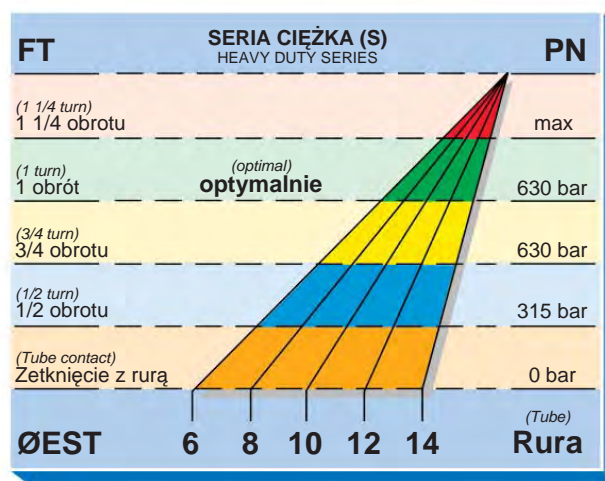
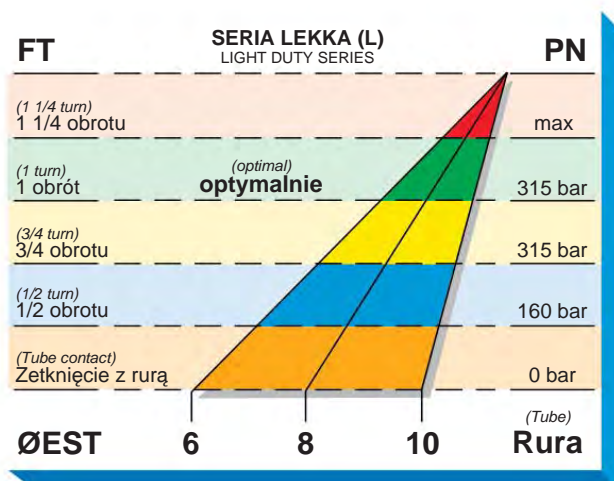


Końcowe połączenie 1/4 obrotu
(Final connection 1/4 turn)

Montaż pierścieni B3 i B4 powinien być przeprowadzany na podstawie tych samych procedur i narzędzi. Oba te pierścienie są całkowicie wymienne z produktami spod tej samej normy. Montaż elementów systemu może być powtarzany wielokrotnie bez ich uszkodzeń.

The assembly of B3 and B4 rings must be done with the same procedures and tools. The two rings are completely interchangeable with Italian and foreign products under the same norm. Assembly of the system may be repeated without damage to the parts involved.

CIŚNIENIA ROBOCZE – WYKRES MOMENTÓW – WSKAŹNIK DOKRĘCANIA
(OPERATING PRESSURES - TORQUE DIAGRAM - TWISTING FACTOR)



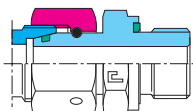
- Nieużywany obszar (Area not to be used.)
- Obszar całkowitego połączenia (Final tightening area.)
- Obszar montażu wstępnego (Pre-assembly area.)
- Obszar startu zaciskania (Tightening start area.)
- Obszar odzyskiwania luzów (Clearances recuperation area.)

- 1) Montaż na złączce według DIN 3859 P.II P.3.4 1 1/4 obrotu od momentu ręcznej blokady.
Assembly on the fitting according to DIN 3859 P.II P.3.4 1 1/4 turn from blocking by hand.
- 2) Montaż na utwardzonych matrycach według DIN 3859 P.II P.3.4 1 1/4 obrotu od momentu ręcznej blokady.
Assembly on the hardened dies according to DIN 3859 P.II P.4.5 1 1/4 turn from blocking by hand.
- 3) Instrukcje montażu CAST odnoszące się do wszystkich powyższych zasad do 1/2 obrotu używane są w celu odzyskiwania luzów, od 3/4 do 1 obrotu natomiast do zaciskania rury.
CAST assembly instructions respect in full the above norm as 1/2 turn is used for the clearances recuperation and from 3/4 to 1 turn for the tightening of the tube.

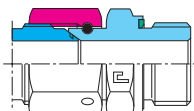
FT – wskaźnik dokręcenia (Twisting Factor - umowna jednostka momentu dokręcenia według standardów anglosaskich).
PN – (Nominal Pressure) ciśnienie nominalne z jednostką wyrażaną w barach.
ØEST – szacowana (estymowana) średnica rury.

INSTRUKCJE MONTAŻU OBROTOWEJ NAKRĘTKI ZŁĄCZA SERII DIN 2353 – JIC 37° J514 – BSP 5200 – ORFS (ASSEMBLY INSTRUCTIONS FOR SWIVEL NUT FITTINGS SERIES DIN 2353 – JIC 37° J514 – BSP 5200 – ORFS)

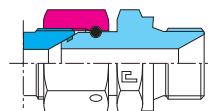
- Przed rozpoczęciem montażu, sprawdź właściwe ustawienie parametrów narzędzi, które mają być użyte. Wymień te, które nie spełniają wymagań.
Before to start to assemble check for the correct parameters of all the tools to be used and substitute those not complying to the requirements.
- Wyczyść nakrętkę, złącze i rurę i nasmaruj pastą antyzatarcia HP-DX Pasta.
Clean nut, fitting and tube and lubricate with anti-seizing paste HP-DX Paste.
- Sprawdź właściwe ułożenie części, a następnie używając klucza - dokręć aż do uzyskania kontaktu metal-metal części stożkowych.
Check the correct alignment of the parts involved, then using a wrench tighten until reaching the metal to metal contact of the conical parts.
- Wielokrotny montaż i demontaż nie wpływa na funkcjonalność produktów.
Repeated assembly and disassembly will not alter the functionality of the products.
- W celu zastosowania odpowiednich momentów dokręcania - proszę zapoznać się z tabelami.
Please refer to the related tables for the correct tightening torques to be applied.



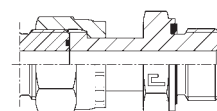
DIN 2353 obrotowa nakrętka złączki – serie 60...
(DIN 2353 swivel nut fitting – Serie 60..)



JIC 37° J514 obrotowa nakrętka złączki – serie 20...
(JIC 37° J514 swivel nut fitting – Serie 20..)

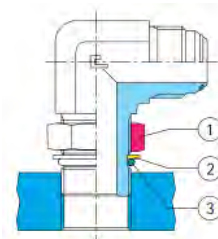


BSP 5200 obrotowa nakrętka złączki – serie 30...
(BSP 5200 swivel nut fitting – Serie 30..)

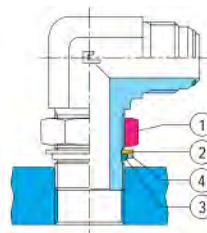


INSTRUKCJE MONTAŻU DLA ZŁĄCZY NASTAWNYCH (ASSEMBLY INSTRUCTIONS FOR ADJUSTABLE FITTINGS)

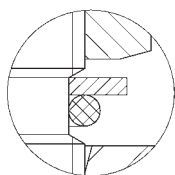
ISO 6149 Gwint metryczny (Metric thread)
ISO 11926 Gwint UNF/UN-2A (UNF/UN-2A thread)



Gwint BSP (w fazie korekty) (BSP Thread (In revision phase))
ISO 6149 Gwint metryczny z pierścieniem ustalającym
(Metric thread with retaining ring)



1. Nakrętka sześciokątna
Back up hexagonal nut
2. Podkładka
Back up sleeve
3. O-ring
o-ring
4. Pierścień ustalający
Retaining ring

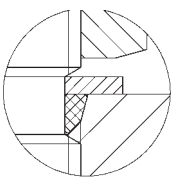
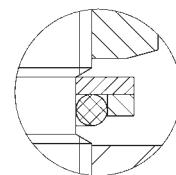


Nasmaruj o-ring.

Odkręć sześciokątą nakrętkę i sprawdź czy tuleja jest umiejscowiona tak jak na rysunku obok. Właściwe położenie tulei może być osiągnięte gdy złącze jest nakręcone na gwint wewnętrzny.

Lubricate the o-ring.

Unscrew the back up hexagonal nut and check that the back up sleeve is positioned as in the side picture. The correct position of the back up sleeve may be obtained when the fitting is screwed into the female thread.

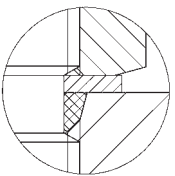
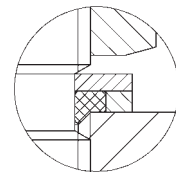


Nasmaruj o-ring.

Nakręć złącze do punktu, w którym tuleja znajduje się w kontakcie z nakrętką, sprawdzając czy o-ring jest właściwie osadzony, jak na rysunku obok. Jest to istotne, gdyż zapobiega uszkodzeniu o-ringa i wpływa korzystnie na trwałość i skuteczność połączenia i uszczelnienia.

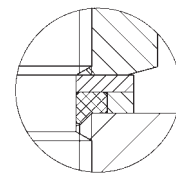
Lubricate the o-ring.

Screw the fitting in to the point that the back up sleeve or the retaining ring are in contact with the base of the female checking that the o-ring is positioned correctly into its shaped housing.



Odkręć złącze maksymalnie o jeden pełen obrót do wymaganego położenia. Nadal przytrzymaj złącze kluczem i zablokuj sześciokątą nakrętkę. W celu zastosowania poprawnych momentów dokręcania, proszę odnieść się do stosownych tabel.

Unscrew the fitting up to a maximum of 1 turn to obtain the desired positioning. Keep the fitting still with a wrench and block the back up hexagonal nut. Please refer to the related tables for the correct tightening torques to be applied.



Na przykład: W celu otrzymania uszczelnienia typu ISO 6149 należy wyjąć pierścień dystansujący ze standardowego złącza.

N.B. To obtain the ISO 6149 type of sealing please take out the retaining ring from the standard fitting.

JIC 37° J514

Złącze Kielichowane

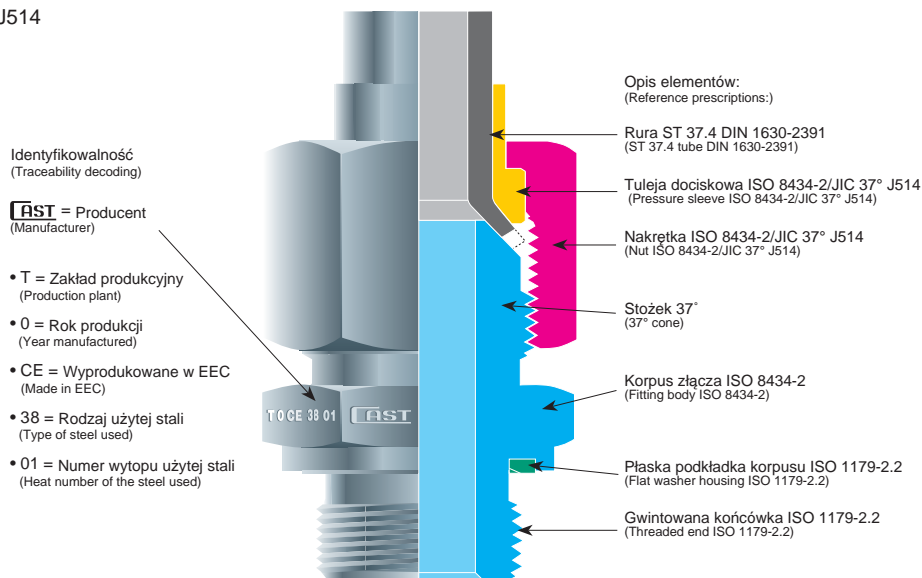


ZASADA DZIAŁANIA (THEORY OF OPERATION)

Złącze CAST S.A. zgodne jest z normą ISO 8434-2/JIC 37° J514. Jest to złącze mechaniczne, wykorzystywane tradycyjnie w tzw. wysokociśnieniowych systemach hydraulicznych. Uszczelnienie wykonane jest przez kontakt pomiędzy dwiema nieodkształcalnymi, metalowymi powierzchniami. Połączenie pomiędzy korpusem złączki a rurą kielichowaną (kąt stożka 74°) gwarantuje nakrętka zaciskająca oraz tuleja dociskowa wewnątrz. Pozwala to na szybkie łączenie i rozłączanie rur, co umożliwia łatwiejszą realizację kompleksowych systemów hydraulicznych.

The CAST S.p.A. fitting according to the norms ISO 8434-2/ JIC 37° J514, is a mechanical fitting traditionally used for high pressure oleo-dynamic systems. The sealing is made by the contact between two metal surfaces, with no deformation of the single components. The coupling between the body of the fitting and the flared tube (cone angle 74°) is guaranteed by the tightening nut and by the pressure sleeve on the inside. This allow to realize a fast assembling-disassembling tube making the easiest realization of complex oleo-dynamic systems.

SYSTEM ZŁĄCZY JIC 37° J514 (COUPLING SYSTEM JIC 37° J514)



CHARAKTERYSTYKA TECHNICZNA (TECHNICAL CHARACTERISTICS)

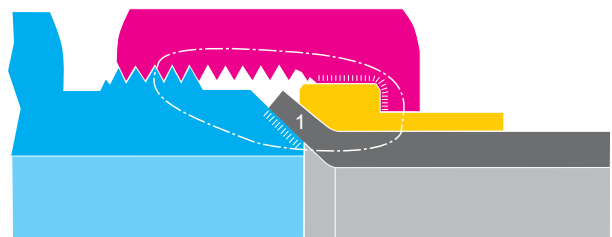
Konstrukcja łącznika CAST 37° jest także bardzo efektywna – ma najmniejszą średnicę uszczelnienia ze wszystkich typów złącz. Powierzchnia uszczelnienia jest tylko nieznacznie większa od powierzchni przepływu płynu. Mała powierzchnia uszczelnienia oznacza zwartość konstrukcji i mały moment dokręcenia w stosunku do siły ściskającej złącze. Złącze firmy CAST 37° zapewnia doskonałe uszczelnienie, niezależnie od stosowanej cieczy, z wyłączeniem cieczy korozyjnych i gdy zachowane są wszystkie zalecenia dla tego typu złączy.

Złącza te produkowane są w pojedynczych seriach określonych jako „UNIWERSALNE”, ponieważ korpus i nakrętka złącza pozostają takie same, nawet wtedy, gdy użyte zostaną rury wymiarowane w calach lub metrycznie oraz nie występuje tu zmiana średnic dla różnych ciśnień roboczych. Drgania, pozostające w granicach normy, nie obniżają funkcjonalności tego typu połączenia, również przy wartościach szczytowych drgań, zachowując trwałość i niezawodność połączenia. Z tych względów, tego typu połączenia mogą być używane w szczególnie ciężkich warunkach pracy. Jest to istotne, gdyż często, w warunkach rzeczywistej eksploatacji, w układach występują drgania o szerokim spektrum częstotliwości a ich charakter jest negasny – trwają one tak długo jak długo nie ustaje ich przyczyna. Dokręcanie nakrętki powoduje dociskanie kielicha rury do stożkowej powierzchni czołowej korpusu łącznika, co daje szczelne połączenie. Dociskanie do powierzchni stożkowej o kącie 37° nadaje połączeniu pewną elastyczność, dzięki czemu złącze nie luzuje się pod wpływem wibracji. Przy takiej geometrii dociskanych powierzchni, siła docisku ma składową promieniową, odkształcającą stożek łącznika do wewnątrz. Sprężystość materiału korpusu, powoduje powstanie wstępnego naprężenia (podobnie jak w podkładce sprężystej), które przyczynia się do utrzymania szczelności połączenia. Siła dociskowa wywierana przez nakrętkę, przeciwdziała naporowi płynu pod ciśnieniem. Połączenie tak długo pozostaje szczelne, jak długo siła ta jest większa od przeciwnie skierowanej siły naporu płynu. Prawidłowo zmontowane na odpowiedniej rurze złącze, pozostaje szczelne, aż do momentu rozerwania rury przez ciśnienie wewnętrzne. W systemie tym uszczelnienie zapewniają dwie stykające się, gładkie powierzchnie metalowe – stożka korpusu i wnętrza kielicha rury. Dlatego powierzchnie te muszą być gładkie, osiowo symetryczne i w obszarze uszczelnienia, nie mogą na nich występować żadne rysy, wgnięcia, spiralne ślady narzędzia skrawającego, rozwarstwienia, ścięgi spoin i tym podobne wady. Do tego typu złącz, zaleca się stosowanie rur bez szwu lub rur spawanych, a następnie przetłaczanych i wyzarzanych – formowanie kielicha i gięcie rury jest wtedy łatwiejsze.

The CAST S.p.A. 37° fitting grants a perfect sealing of the system independently from the used fluid, as long as corrosive fluids are not used and all the specific prescription for this type of fitting are complied with. These fittings are manufactured in a single Series defined "UNIVERSAL" since the body and the nut of the fitting remain the same even when switching from a metric tube to a inch sized tube, and since there are no doubles of diameters with different working pressures. Vibrations, in the norm, do not alter the functionality of this type of fitting, also at the top level of the quoted values, and therefore keeps the best characteristics of absolute guarantee, safety and reliability. For these specific reasons this fitting may be used in hard working conditions. Under the mechanical strength given by the tightening of the nut on the fitting body, the flared 37° part of the tube couples with the conical 37° part of the fitting body giving birth to a metal to metal seal. The pressure sleeve hosted in the inside part of the nut assures the correct alignment of the system diminishing the vibrations and avoiding any possible trouble or damaging of the tube during the assembly



Przed zamontowaniem na stalową rurę:
(Before assembly on the metal tube)



Po zamontowaniu na stalową rurę:
(After assembly on the metal tube)

Pole działających sił po połączeniu
(Field of force after assembly)

Powierzchnie docisku po połączeniu
(Pressure surfaces after assembly)

Punkty uszczelnienia
(Sealing points)

INSTRUKCJE OGÓLNE (GENERAL INSTRUCTIONS)

- Przed przystąpieniem do kielichowania rur, proszę sprawdzić czy wszystkie używane w tym procesie narzędzia odpowiadają wymogom. Urządzenia do kielichowania rur dostępne w Katalogu Hydropress (patrz Katalog Hydropress Maszyny i Narzędzia). Narzędzia sprawdzać co 30 – 50 operacji rozszerzania.

Before start the flaring of the tubes please check that all the tools to be used in the process are conforming to the standards. Tubes flaring tools available at Hydropress (see Hydropress Machines & Tools Catalogue)

Check the tools every 30-50 flarings.
- Przed łączeniem rury wstępnie zmontowanej do maszyny, należy sprawdzić ustawienie rury i złączki. Złącza nie mogą być wykorzystywane do korekcyjnego ustawienia lub podtrzymywania rur. Rury długie lub te poddawane wysokim obciążeniom, powinny być utwierdzone uchwytami do rur (dostępne w Hydropress), w celu uniknięcia nadmiernych drgań. Niewłaściwe ustawienie może obniżyć funkcjonalność systemu, co przyczynić się może do skrócenia czasu jego eksploatacji.

Before fastening the pre-assembled tube to the machine on-board system, check alignment between the tube and the fitting. Fittings must not be used to correct any misalignment or to tube clamps (available at Hydropress Machines & Tools Catalogue). Long tubes or those liable to high stress must be clamped to avoid excessive vibrations. Misalignment may impair system functioning.
- Właściwe nasmarowanie elementów, które mają być skręcone, jest niezbędne dla poprawnego funkcjonowania złącza: zaleca się stosowanie pasty antyzatarciowej HP-DX Paste. Dostępne w Hydropress.

Correct lubrication of the components to be tightened is indispensable for correct functioning of the system: recommend the use of anti-seizing paste HP-DX Paste. Available at Hydropress.
- Wszystkie złącza i zawory zawarte w tym katalogu, mogą być użyte tylko do układów hydraulicznych.

All the fittings and the valves contained in this catalogue may be used for oleo-dynamic systems only.
- Nie jest dozwolone łączenie elementów z różnych materiałów.

Is not allowed the mixing of different materials.
- Wskazane wartości ciśnień odnoszą się wyłącznie do rur stalowych.

The indicated pressures are intended for steel tubes only.

STANDARDY UŻYTKOWANIA (UTILIZATION STANDARDS)

ZŁĄCZA ZE STALI WĘGLOWEJ (CARBON STEEL FITTINGS)

- Dla zapewnienia właściwego użytkowania, należy stosować rury wysokiej jakości i złącza ze stali węglowej o odpowiednich właściwościach. Zastosowanie rur o niewłaściwych charakterystykach, może poważnie obniżyć skuteczność łączenia. Zaleca się używanie wyłącznie rur: ST 37.4 stalowych, bezszwowych odpowiadających normie DIN 1630, z tolerancją średnicy zewnętrznej i wewnętrznej wg DIN 2391, o maksymalnie możliwej twardości mierzonej na średnicy zewnętrznej rury wynoszącej 75 HRB. Dostępne w Hydropress.

High quality tubes must be employed to assure correct use and related technical performances of carbon steel fittings. Use of tubes without the aforementioned characteristics may seriously impair the efficiency of the fitting. We recommend to use the following tubes only: seamless cold drawn steel tubes as per ST 37.4 complying with DIN 1630, with maximum permissible hardness, measured on the outer diameter of the tube of 75 HRB. Available at Hydropress.
- Kielichowanie rury musi być wykonane na kielicharce (dostępne w Hydropress), nie zalecamy używania narzędzi ręcznych. Ważne, aby kielichowanie było koncentryczne i prostopadłe do rury i pierścienia.

The flaring of the tube must be made with the flaring machine (available at Hydropress) and not with hand tools. It is important that the flaring is concentric and perpendicular to the tube and ferrule.

ZŁĄCZA ZE STALI NIERDZEWNEJ (STAINLESS STEEL FITTINGS)

- Dla zapewnienia właściwego użytkowania, należy stosować rury wysokiej jakości i złączki ze stali nierdzewnej o odpowiednich właściwościach. Zastosowanie rur o niewłaściwych charakterystykach, może poważnie obniżyć skuteczność łączenia. Zaleca się używanie wyłącznie rur: stalowych, bezszwowych, ciągnionych na zimno bez spawania, w gatunku 1.4404 / 316L lub 1.4571/316Ti odpowiadających normie DIN 17458 i ASTM A 269, o maksymalnie możliwej twardości, mierzonej na średnicy zewnętrznej rury, wynoszącej 85 HRB. Dostępne w Hydropress.

High quality tubes must be employed to assure correct use and related technical performances of stainless steel fittings. Use of tubes without the aforementioned characteristics may seriously impair the efficiency of the fitting. We recommend to use the following tubes only: cold drawn seamless stainless steel tubes with no welding as per 1.4404 / 316L or 1.4571 / 316Ti DIN 17458 or ASTM A 269, with maximum permissible hardness, measured on the outer diameter of the tube of 85 HRB.
- Kielichowanie rury musi być wykonane na kielicharce (dostępne w Hydropress), nie zalecamy używania narzędzi ręcznych. Ważne aby kielichowanie było koncentryczne i prostopadłe do rury i pierścienia.

The flaring of the tube must be made with the flaring machine (available at Hydropress) and not with hand tools. It is important that the flaring is concentric and perpendicular to the tube and ferrule.

CERTYFIKATY JAKOŚCIOWE (QUALITY ASSURANCE)

- System zapewniania jakości, odpowiada UNI EN ISO 9001, certyfikat (nr 90/94) wydany przez urząd certyfikacji RINA uznany przez IQNET na poziomie europejskim. Na życzenie klienta, nasz serwis jakości, może wydać świadectwa pochodzenia, dla materiałów użytych do wytworzenia dostarczonych produktów. Nasi Eksperti ds. Jakości są zawsze gotowi do udzielenia klientom porad, mogących ułatwić identyfikację naszych systemów łączenia.

The Quality Assurance System complies with UNI EN ISO 9001, certificate (N°90/94) issued by the RINA certification authority recognized by IQNET at European level. At the customer's request, our Quality Service will issue certificates of origin for the materials used to manufacture the products delivered. Our Quality Experts are always ready to provide customers with advice, to guide them around our facilities as to provide documentation of the traceability system applied.
- Oprócz normalnej kontroli wymiarowej, przeprowadzanej podczas obróbki, przeprowadzane są inspekcje gotowego produktu, badania zmęczeniowe oraz badania szczelności rzeczywistej. Test złączy CAST, jest przeprowadzany również między różnymi elementami tych złączy. Na życzenie klienta, test produktu, kwestie serwisowe oraz zaświadczenie z przeprowadzonych badań, mogą dotyczyć: testów wymiarowych i geometrycznych, sprawdzania uszczelnienia statycznego przy niskim i wysokim ciśnieniu pracy układu oraz dynamicznego uszczelnienia przy ciśnieniu wysokim (maksymalne ciśnienie robocze + 33%) według ISO 8434-5. Wymienione w poniższym dziale elementy złączne posiadają certyfikaty odbiorcze 3.2 wg. EN 10204: 2006 wystawione przez: Det Norske Veritas (DNV).

In addition to the normal dimensional checks carried out during machining, percentage inspections of the finished product, practical tightness and fatigue tests, coupling tests between the various parts are also carried out on CAST fittings. At the customer's request, our Product Test and Inspection Service issues the certificate of the tests carried out: dimensional and geometrical tests, checking of static seal at low and high pressure, dynamic seal at high pressure (maximum operating pressure + 33% as per ISO 8434-5). Tests was carried out by: Det Norske Veritas (DNV).

CZYNNIKI BEZPIECZEŃSTWA (SAFETY FACTORS)

- Nowe złącza 37°, rozwiązują wszystkie problemy związane z bezpieczeństwem, ponieważ zostały starannie zaprojektowane z uwzględnieniem wszystkich ich celów oraz najwyższych standardów bezpieczeństwa.
The new 37° fitting solves all the problems of safety since has been carefully designed for that purpose.
- Zastosowanie wysokiej jakości rur stalowych o prawidłowej grubości ścianek, czyni ten specyficzny typ złączy wyjątkowo bezpiecznymi, tworząc najbardziej niezawodne połączenie pomiędzy tuleją, korpusem złącza oraz rurą. Rozszerzona część rury, stała się więc mocnym punktem tej technologii. Wynikiem odpowiedniego zwymiarowania rur dla różnych części w instalacji hydraulicznej, będzie właściwe funkcjonowanie instalacji, przy minimalnych kosztach jej wykonania. W rurach o zbyt małych wymiarach, prędkości przepływu będą wysokie, co powoduje wiele negatywnych zjawisk. W przewodach tłocznych powstają turbulencje, a straty na tarcie są duże – obydwie zjawiska prowadzą do dużych spadków ciśnienia i generowania ciepła. Duże ilości ciepła, powstające w układzie, powodują z kolei przyspieszone zużycie wszystkich ruchomych części, gwałtowne starzenie się uszczelek i przewodów giętkich, a co za tym idzie – mniejszą żywotność wszystkich podzespołów. Intensywne wydzielanie się ciepła, oznacza także marnotrawstwo energii i tym samym niską sprawność układu. Zbyt duże rury, zwiększają koszt układu. Dlatego optymalne zwymiarowanie rur jest bardzo ważne.
The use of high quality steel tubes in the right wall thickness, make this specific Type of fitting particularly safe creating values of highest reliability between the sleeve, the fitting body and the tube, since is the flared part the strong point of this technology.



Próba niszcząca z rurą ze stali węglowej 25x2 (Destructive testing with 25x2 carbon steel tube)
Rura pękła przy ciśnieniu 800 barów bez żadnych wycieków czy pocenia w punktach uszczelniających. (The tube burst at 800 bar without any leaks or sweating from the seal points.)

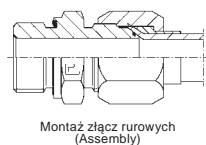
- Oferta produktów CAST jest w pełni wykonana zgodnie z normami odniesienia.
CAST S.p.A. production is made in compliance with the reference norm.
- Nominalne ciśnienie robocze, podane w katalogu, wskazuje maksymalne dopuszczalne ciśnienie (w tym skoki ciśnienia). Aby użyć te złącza do pracy przy wyższych ciśnieniach, elementy muszą być badane zgodnie z wymogami producenta.
Nominal working pressures indicated in this catalogue are intended as maximums (including pressure peaks). To use this fitting at higher requirements test must be carried out in accordance with the manufacturer.
- Współczynnik bezpieczeństwa wynosi 4:1 i odnosi się do badania statystycznego, w temperaturze w danym zakresie i zgodnie ze wszystkimi wskazówkami zawartymi w normie ISO 8434-5. Ten sam współczynnik bezpieczeństwa 4:1, posiadają śruby o równoległych zakończeniach z uszczelnieniem elastomerowym. Dla śrub o zakończeniach stożkowych lub równoległych z uszczelnieniem typu metal-metal, współczynnik bezpieczeństwa wynosi 2,5:1.
The safety factor 4:1 is intended as static test with the temperatures within the given range and complying with all the references contained in ISO 8434-5, as far as tube connection is concerned. Same safety factor 4:1 for parallel przyłącza według with elastomeric seal. For studs with conical or parallel ends with metal to metal seal the safety factor is 2,5:1.
- Zrozumieliśmy jest, że gwarancja produktu, udzielana jest tylko wtedy, gdy połączenie jest wykonane w całości z produktów CAST i ich komponentów.
Is understood that the product is guaranteed only if the full connection is made entirely with CAST S.p.A. products and components.

MOMENT DOKRĘCANIA DLA ZŁĄCZ WEDŁUG JIC 37°

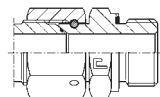
Według JIC 37° J514 dla stali węglowej i nierdzewnej

TIGHTENING TORQUES FOR TUBE ENDS AND SWIVEL NUT FITTINGS

J514 cone for carbon and stainless steel



Montaż złącz rurowych (Assembly)

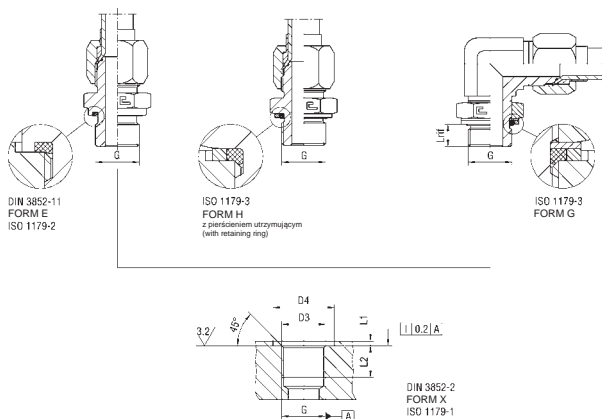


Montaż złącz nakrętnych (Assembly)

| Ø Rury (Ø Tube) | Ø Rury w calach (Ø Inch Tube) | Gwint UNF/UN-2A (UNF/UN-2A thread) | Moment złącza rurowe(Nm) (Tube side torque (Nm)) | Moment złącza nakrętne(Nm) (Swivel side torque (Nm)) |
|-----------------|-------------------------------|------------------------------------|--|--|
| 6 | 1/4 | 7/16-20 UNF-2A | 10 | 20 |
| 8 | 5/16 | 1/2-20 UNF-2A | 20 | 25 |
| 10 | 3/8 | 9/16-18 UNF-2A | 25 | 35 |
| 12 | 1/2 | 3/4-16 UNF-2A | 45 | 60 |
| 14-15-16 | 5/8 | 7/8-14 UNF-2A | 75 | 85 |
| 18-20 | 3/4 | 1 1/16-12 UN-2A | 140 | 115 |
| 25 | 1 | 1 5/16-12 UN-2A | 160 | 230 |
| 30-32 | 1 1/4 | 1 5/8-12 UN-2A | 240 | 380 |
| 38 | 1 1/2 | 1 7/8-12 UN-2A | 400 | 460 |

GNAZDO PRZYŁĄCZA WEDŁUG JIC 37° J514 Z GWINTEM BSP

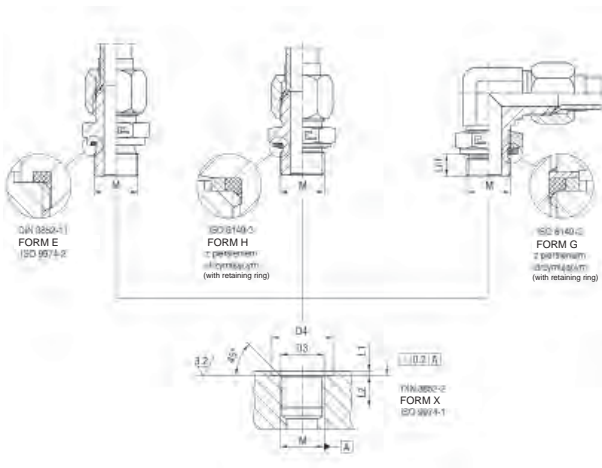
STUD ENDS J514 WITH BSP THREAD



| Ø Rury (Ø Tube) | Gwint BSP (BSP thread) | D3 | D4 min. forma B/E (form B/E) | D4 min. forma G/H (form G/H) | L1 max | L2 min | L rif | Moment (Nm) FORM E (Torque (Nm) FORM E) | Moment (Nm) FORM H (Torque (Nm) FORM H) | Moment (Nm) FORM G (Torque (Nm) FORM G) |
|-----------------|------------------------|------|------------------------------|------------------------------|--------|--------|-------|---|---|---|
| 6 | G 1/8 | 9,8 | 15 | 17,2 | 1 | 8 | 7,5 | 20 | 20 | 20 |
| 8 | G 1/4 | 13,2 | 20 | 20,7 | 1,5 | 12 | 10,2 | 45 | 45 | 45 |
| 10 | G 1/4 | 13,2 | 20 | 20,7 | 1,5 | 12 | 10,2 | 45 | 45 | 45 |
| 12 | G 3/8 | 16,7 | 23 | 24,5 | 2 | 12 | 10,4 | 70 | 70 | 70 |
| 14-15-16 | G 1/2 | 21 | 28 | 29,6 | 2,5 | 14 | 13,1 | 85 | 85 | 85 |
| 18-20 | G 3/4 | 26,5 | 33 | 36,9 | 2,5 | 16 | 13,5 | 170 | 170 | 170 |
| 25 | G 1 | 33,3 | 41 | 46,1 | 2,5 | 18 | 14,7 | 330 | 330 | 330 |
| 30-32 | G 1 1/4 | 42 | 51 | 54 | 2,5 | 20 | 14,7 | 430 | 430 | 430 |
| 38 | G 1 1/2 | 47,9 | 56 | 60,5 | 2,5 | 22 | 14,7 | 510 | 510 | 510 |

GNAZDO PRZYŁĄCZA WEDŁUG JIC 37° J514 Z GWINTEM METRYCZNYM

STUD ENDS J514 WITH METRIC THREAD

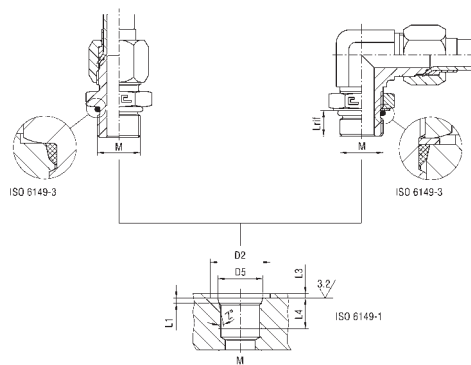


| Ø Rury (Ø Tube) | Gwint Metryczny (Metric thread) | D3 | D4 min. forma E (form E) | D4 min. ISO 6149 | L1 max | L2 min | L rif | Moment (Nm) FORM E (Torque (Nm) FORM E) | Moment (Nm) FORM H (Torque (Nm) FORM H) | Moment (Nm) FORM G (Torque (Nm) FORM G) |
|-----------------|---------------------------------|----|--------------------------|------------------|--------|--------|-------|---|---|---|
| 6 | M10x1 | 10 | 15 | 16 | 1 | 8 | 7,6 | 20 | 20 | 20 |
| 8 | M12x1.5 | 12 | 18 | 19 | 1,5 | 12 | 9,7 | 30 | 30 | 30 |
| 10 | M14x1.5 | 14 | 20 | 21 | 1,5 | 12 | 9,7 | 45 | 45 | 45 |
| 12 | M16x1.5 | 16 | 23 | 24 | 1,5 | 12 | 10,2 | 55 | 55 | 55 |
| 14-15-16 | M18x1.5 | 18 | 25 | 26 | 2 | 12 | 10,9 | 70 | 70 | 70 |
| 14-15-16 | M20x1,5 | 20 | 27 | 27 | 2 | 14 | 12 | 105 | 105 | 105 |
| 14-15-16 | M22x1,5 | 22 | 28 | 29 | 2,5 | 14 | 12 | 120 | 120 | 120 |
| 18-20 | M27x2 | 27 | 33 | 34 | 2,5 | 16 | 13,8 | 170 | 170 | 170 |
| 25 | M33x2 | 33 | 41 | 43 | 2,5 | 18 | 13,8 | 330 | 330 | 330 |
| 30-32 | M42x2 | 42 | 51 | 52 | 2,5 | 22 | 13,8 | 430 | 430 | 430 |
| 38 | M48x2 | 48 | 56 | 57 | 2,5 | 22 | 15,3 | 510 | 510 | 510 |

GNIAZDO PRZYŁĄCZA WEDŁUG JIC 37° J514 Z GWINTEM METRYCZNYM (ISO 6149)

STUD ENDS J514 WITH METRIC THREAD (ISO 6149)

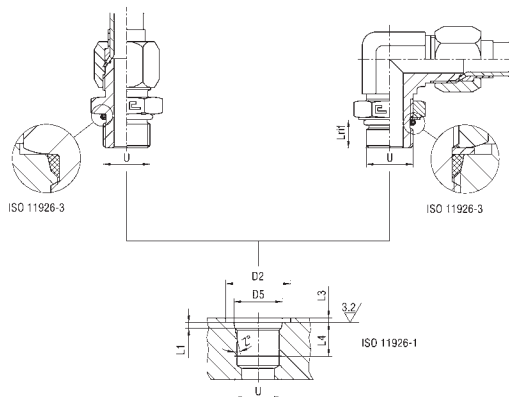
| Ciśnienie max. ISO 6149 PROSTE (P max. ISO 6149 STRAIGHT) | Ciśnienie max. ISO 6149 NASTAWNE (P max. ISO 6149 ADJUSTABLE) | Ø Rury (Ø Tube) | Gwint Metryczny (Metric thread) | D2 min | D5 | L1 | L3 max | L4 min | L rif | Moment (Nm) ISO 6149 PROSTE (Torque (Nm) STRAIGHT) | Moment (Nm) NASTAWNE (Torque (Nm) ADJUSTABLE) | Moment (Nm) forma G (Torque (Nm) form G) |
|---|---|-----------------|---------------------------------|--------|------|-----|--------|--------|-------|--|---|--|
| 400 | 315 | 6 | M10x1 | 16 | 11,1 | 1,6 | 1 | 10 | 8,6 | 12 | 15 | 15 |
| 400 | 315 | 8 | M12x1,5 | 19 | 13,8 | 2,4 | 1,5 | 11,5 | 11,1 | 15 | 25 | 25 |
| 350 | 315 | 10 | M14x1,5 | 21 | 15,8 | 2,4 | 1,5 | 11,5 | 11,1 | 15 | 30 | 30 |
| 315 | 250 | 12 | M16x1,5 | 24 | 17,8 | 2,4 | 1,5 | 13 | 11,6 | 15 | 35 | 35 |
| 315 | 250 | 14-15-16 | M18x1,5 | 26 | 19,8 | 2,4 | 2 | 14,5 | 12,3 | 15 | 40 | 40 |
| 315 | 250 | 14-15-16 | M20x1,5 | 27 | 21,8 | 2,4 | 2 | 14,5 | 13,4 | 15 | 50 | 50 |
| 315 | 250 | 14-15-16 | M22x1,5 | 29 | 23,8 | 2,4 | 2 | 15,5 | 13,4 | 15 | 55 | 55 |
| 200 | 160 | 18-20 | M27x2 | 34 | 29,4 | 3,1 | 2 | 19 | 15,8 | 15 | 85 | 85 |
| 200 | 160 | 25 | M33x2 | 43 | 35,4 | 3,1 | 2,5 | 19 | 15,8 | 15 | 140 | 140 |
| 200 | 160 | 30-32 | M42x2 | 52 | 44,4 | 3,1 | 2,5 | 19,5 | 15,8 | 15 | 180 | 180 |



GNIAZDO PRZYŁĄCZA WEDŁUG JIC 37° J514 Z GWINTEM UNF/UN-2A

STUD ENDS J514 WITH UNF/UN-2A THREAD

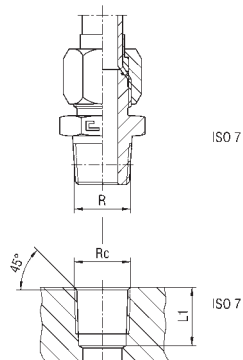
| Ø Rury (Ø Tube) | Gwint UNF/UN-2A (UNF/UN-2A thread) | D2 min | D5 | L1 | L3 max | L4 min | L rif | Z' | Moment (Nm) PROSTE (Torque (Nm) STRAIGHT) | Moment (Nm) NASTAWNE (Torque (Nm) ADJUSTABLE) |
|-----------------|------------------------------------|--------|-------|-----|--------|--------|-------|----|---|---|
| 6 | 7/16-20 UNF-2A | 21 | 12,45 | 2,4 | 1,6 | 11,5 | 9,9 | 12 | 20 | 20 |
| 8 | 1/2-20 UNF-2A | 23 | 14,05 | 2,4 | 1,6 | 11,5 | 9,9 | 12 | 25 | 25 |
| 10 | 9/16-18 UNF-2A | 25 | 15,7 | 2,5 | 1,6 | 12,7 | 11,1 | 12 | 30 | 30 |
| 12 | 3/4-16 UNF-2A | 30 | 20,65 | 2,5 | 2,4 | 14,3 | 12,5 | 15 | 45 | 45 |
| 14-15-16 | 7/8-14 UNF-2A | 34 | 24 | 2,5 | 2,4 | 16,7 | 14,5 | 15 | 55 | 55 |
| 18-20 | 1 1/16-12 UN-2A | 41 | 29,2 | 3,3 | 2,4 | 19 | 16,8 | 15 | 85 | 85 |
| 25 | 1 5/16-12 UN-2A | 49 | 35,55 | 3,3 | 3,2 | 19 | 16,8 | 15 | 130 | 130 |
| 30-32 | 1 5/8-12 UN-2A | 58 | 43,55 | 3,3 | 3,2 | 19 | 16,8 | 15 | 170 | 170 |
| 38 | 1 7/8-12 UN-2A | 65 | 49,9 | 3,3 | 3,2 | 19 | 16,8 | 15 | 180 | 180 |



GNIAZDO PRZYŁĄCZA WEDŁUG JIC 37° J514 Z GWINTEM BSPT

STUD ENDS J514 WITH BSPT THREAD

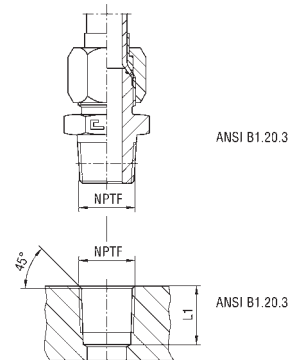
| Ø Rury (Ø Tube) | Gwint BSPT (BSPT thread) | L1 |
|-----------------|--------------------------|------|
| 6 | R 1/8 | 7,4 |
| 8 | R 1/4 | 7,4 |
| 10 | R 3/8 | 11 |
| 12 | R 1/2 | 11,4 |
| 14-15-16 | R 1/2 | 15 |
| 18-20 | R 3/4 | 16,3 |
| 25 | R 1 | 19,1 |
| 30-32 | R 1 1/4 | 21,4 |
| 38 | R 1 1/2 | 21,4 |



GNIAZDO PRZYŁĄCZA WEDŁUG JIC 37° J514 Z GWINTEM NPTF

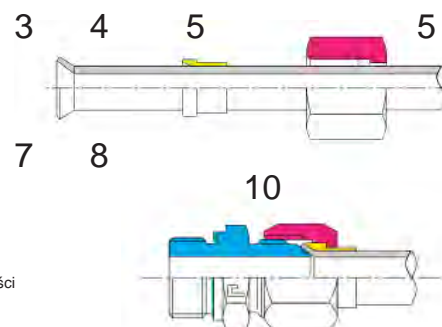
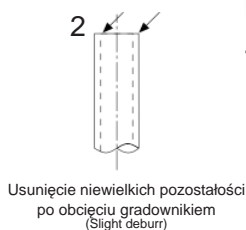
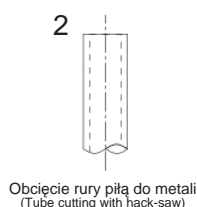
STUD ENDS J514 WITH NPTF THREAD

| Ø Rury (Ø Tube) | Gwint NPTF (NPTF thread) | L1 |
|-----------------|--------------------------|------|
| 6 | 1/8-27 NPTF | 11,6 |
| 8 | 1/8-27 NPTF | 11,6 |
| 10 | 1/4-18 NPTF | 16,4 |
| 12 | 3/8-18 NPTF | 17,4 |
| 14-15-16 | 1/2-14 NPTF | 22,6 |
| 18-20 | 3/4-14 NPTF | 23,1 |
| 25 | 1-11,5 NPTF | 27,8 |
| 30-32 | 1 1/4-11,5 NPTF | 28,3 |
| 38 | 1 1/2-11,5 NPTF | 28,3 |

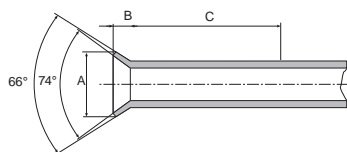


INSTRUKCJE MONTAŻU ZGODNIE Z JIC 37° J514 (ASSEMBLY INSTRUCTIONS ACCORDING TO JIC 37° J514)

- Przed rozpoczęciem kielichowania rury na kąt 37°, należy sprawdzić właściwe ustawienie parametrów narzędzi i wymienić te, które nie spełniają wymogów procesu. Wszelkie narzędzia niezbędne do prawidłowego montażu są dostępne w Katalogu Hydropress Maszyny i Narzędzia.
Before to start to flare the tube at 37° check for the correct parameters of all the tools to be used and substitute those not complying to the requirements. All tools necessary for proper assembly available at Hydropress Machines & Tools Catalogue.
- Należy obciąć prostopadłe rurę, używając odpowiedniej piły do metali (nie używać obcinaków rolkowych). Sprawdź czy cięcie jest wykonane właściwie, pod kątem 90°. Powinno się usunąć wszystkie wewnętrzne i zewnętrzne zadziory stosując gradowniki, HP-Clean. Usunięcie zadziorów wewnętrznych jest szczególnie istotne, gdyż mogą się one dostać do cieczy roboczej i stanowić poważne zagrożenie dla wrażliwych na zanieczyszczenia elementów układu.
Cut the tube at a 90° angle using the appropriate tool (do not use roll tube cutters). Check for the correct cut of the tube and deburr internally and externally by deburring tool.
- Sprawdź czy występują jakiegokolwiek uszkodzenia na wewnętrznej części rury, które mogą obniżyć przydatność złącza. Nigdy nie używaj niewłaściwej rury.
Check for any damage that could impair the usefulness of the fitting, on the internal part of the tube. Never use a non complying tube.
- Wyczyść część rury, która ma być kielichowana, używając do tego odpowiednich środków.
Clean properly with appropriate products the part of the tube to be flared.
- Nałóż nakrętkę i tuleję na rurę, mając na uwadze fakt, że otwarta część nakrętki powinna być zwrócona w stronę części kielichowanej rury, podobnie jak głowa tulei – patrz rysunek poniżej.
Assemble the nut and sleeve on the tube taking care that the open part of the nut is directed the same way where the tube shall be flared so as must be the head of the sleeve, see below.
- Aby otrzymać żądaną długość rury, do jej długości należy dodać wartość parametru „B” z tabeli znajdującej się poniżej (RURA KIELICHOWANA 37° LUB INFORMACJE TECHNICZNE). Dodana długość rury będzie bowiem całkowicie zredukowana w fazie montażu (dodana długość przeznaczona jest na rozkielichowanie).
To obtain the wanted length of the tube please add the "B" quote on the technical information datas for tube flaring. This length will be completely absorbed in the assembly phase by the overbearing of flared tube on the body of the fitting.
- Należy następnie rozszerzyć rurę przy użyciu właściwej kielicharki (dostępne w Hydropress), przestrzegając uważnie wszystkich parametrów wskazanych w tabeli poniżej. Rysunki przedstawiają kolejne etapy montażu, które muszą być wzięte pod uwagę.
Flare the tube using the appropriate flaring machine (available at Hydropress), and carefully respecting all the indications in the below table. The drawings indicate the quotes that must be considered.
- Upewnij się, że kielichowanie rury przebiegło właściwie i nie ma żadnych uszkodzeń struktury, które mogłyby pogorszyć pożądane cechy eksploatacyjne.
Check that the flaring of the tube has been made correctly and that no structural damages that could impair the correct working of the tube are present.
- Wyczyść nakrętkę, tuleję i rurę oraz nasmaruj pastą antyzatarcia HP-DX Paste.
Clean nut, sleeve, fitting and tube and lubricate with anti-seizing paste HP-DX Paste.
- Nałóż kielichowaną rurę na stożek złącza i dokręć ręcznie nakrętkę, aby sprawdzić właściwe ułożenie wszystkich części, a następnie używając klucza, dokręć do uzyskania kontaktu metal-metal części stożkowych.
Couple the flared tube on the fitting cone, and tighten by hand the nut on the body of the fitting to check the correct alignment of the parts involved, then using a wrench tighten until reaching the metal to metal contact of the conical parts.
- Wielokrotny montaż i demontaż nie wpływa na funkcjonalność produktów.
Repeated assembly and disassembly will not alter the functionality of the products.
- Proszę zapoznać się z tabelą na stronie 31 w celu zastosowania odpowiednich momentów dokręcania.
Please refer to the table on page 31 for the correct tightening torques to be applied.



RURA KIELICHOWANA 37° - INFORMACJE TECHNICZNE (TECHNICAL DATAS FOR THE FLARING OF THE 37° TUBE)



| Ø Rury (Ø Tube) | Ø Rury w calach (Ø Inch Tube) | Ø Kielicha (Flaring Ø) | | B | Blokada (Blocking) C |
|--------------------|----------------------------------|---------------------------|----------|-----|----------------------------|
| | | A min | A max | | |
| 6x1 | 1/4x0.89 | 8,6 | 9,1 | 2,5 | 32 |
| 6x1,5 | 1/4x1.65 | 8,9 | 9,1 | 2,7 | |
| 8x1 | 5/16x0.89 | 10,2 | 10,9 | 2,3 | |
| 8x1,5 | 5/16x1.65 | 10,2 | 10,9 | 2,5 | 35 |
| 10x1 | 3/8x0.89 | 11,7 | 12,4 | 2 | |
| 10x1,5 | 3/8x1.65 | 11,7 | 12,4 | 2,2 | |
| 12x1 | 1/2x0.89 | 16 | 16,8 | 3,7 | 40 |
| 12x1,5 | 1/2x1.65 | 16 | 16,8 | 3,9 | |
| 12x2 | 1/2x2,1 | 16 | 16,8 | 4,1 | |
| 14x1,5 | - | 19,3 | 20,1 | 4,8 | 45 |
| 14x2 | - | 19,3 | 20,1 | 5,1 | |
| 15x1,5 | - | 19,3 | 20,1 | 4,1 | |
| 15x2 | - | 19,3 | 20,1 | 4,3 | 45 |
| 16x1,5 | 5/8x1,65 | 19,3 | 20,1 | 3,4 | |
| 16x2 | 5/8x2,1 | 19,3 | 20,1 | 3,6 | |
| 16x2,5 | 5/8x2,41 | 19,3 | 20,1 | 3,8 | 45 |
| 18x2 | - | 23,4 | 24,1 | 5,1 | |
| 18x2,5 | - | 23,4 | 24,1 | 5,3 | |
| 20x2 | 3/4x2,1 | 23,4 | 24,1 | 3,6 | 50 |
| 20x2,5 | 3/4x2,41 | 23,4 | 24,1 | 3,8 | |
| 20x3 | 3/4x3,05 | 23,4 | 24,1 | 4,1 | |
| 25x2 | 1x2,1 | 29,7 | 30,5 | 4,6 | 60 |
| 25x3 | 1x3,05 | 29,7 | 30,5 | 5,1 | |
| 30x2 | - | 37,6 | 38,4 | 6,7 | |
| 30x3 | - | 37,6 | 38,4 | 7,2 | 60 |
| 32x2 | 1 1/4x2,1 | 37,6 | 38,4 | 5,3 | |
| 32x3 | 1 1/4x3,05 | 37,6 | 38,4 | 5,7 | |
| 38x3 | 1 1/2x3,05 | 43,2 | 43,9 | 5,4 | 70 |
| 38x4 | 1 1/2x4,05 | * | * | 5,8 | |

* Więcej informacji o dostępnych średnicach rur kielichowanych znajdziesz w naszych biurach.

* For further information on the flaring diameter please contact our offices.

BSP 5200 Adapter

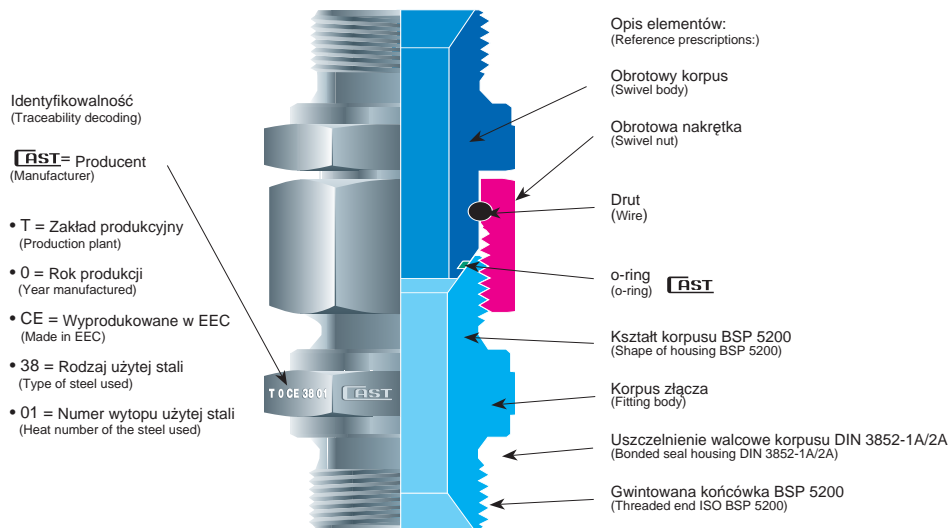


ZASADA DZIAŁANIA (THEORY OF OPERATION)

Złącze CAST S.A. zgodne jest z normą BSP 5200. Jest to złącze mechaniczne, wykorzystywane tradycyjnie w tzw. wysokociśnieniowych systemach hydraulicznych. Uszczelnienie uzyskiwane jest przez kontakt dwóch nieodkształcalnych, metalowych powierzchni. Dodatkowo uszczelnienie zapewnia elastomerowa uszczelka, umiejscowiona w rowku, na pochyleniu o kącie 60°. Uszczelka elastomerowa jest wykonana według CAST S.A. Połączenie pomiędzy korpusem złącza a adapterem, gwarantuje obrotowa nakrętka. Pozwala to na szybkie łączenie i rozłączanie rur, co umożliwia łatwiejszą realizację kompleksowych systemów hydraulicznych.

The CAST S.p.A. fitting according to the norms BSP 5200, is a mechanical fitting adapter traditionally used for high pressure oleo-dynamic systems. The sealing is made by the contact between two metal surfaces, with no deformation of the single components, plus an elastomeric sealing placed into a groove on the 60° cone. The elastomeric seal is according to a CAST S.p.A. project. The coupling between the body of the fitting and the adapter is guaranteed by the swivel tightening nut. This allow to realize a fast assembling-disassembling tube making the easiest realization of complex oleo-dynamic systems.

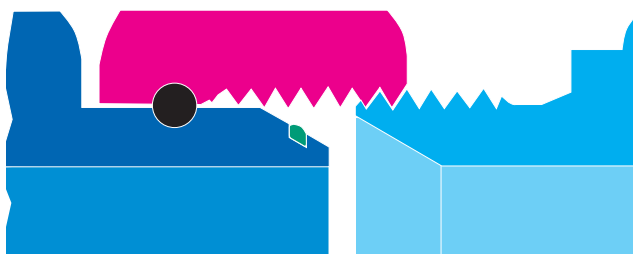
SYSTEM ZŁĄCZY BSP 5200 (COUPLING SYSTEM BSP 5200)



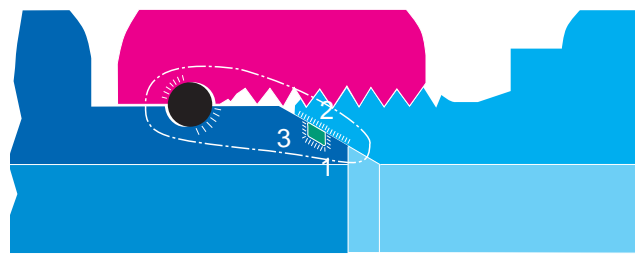
CHARAKTERYSTYKA TECHNICZNA (TECHNICAL CHARACTERISTICS)

Złącza firmy CAST o kącie 60° zapewniają doskonałe uszczelnienie, niezależnie od zastosowanej cieczy, z wyłączeniem cieczy korozyjnych i gdy zachowane są wszystkie zalecenia dla tego typu złączy. Złącza te produkowane są w pojedynczych seriach określonych jako „UNIWEERSALNE”, ponieważ zaprojektowane są jako połączenie między różnymi międzynarodowymi normami złączy, między DIN 2353 oraz JIC 37° J514. Drgania pozostające w granicach normy, nie obniżają funkcjonalności tego typu połączenia, również przy wartościach szczytowych drgań, zachowując trwałość i niezawodność połączenia. Z tych względów, tego typu połączenia mogą być używane w szczególnie ciężkich warunkach pracy. Jest to szczególnie istotne, gdyż często w warunkach rzeczywistej eksploatacji, w układach występują drgania o szerokim spektrum częstotliwości, a ich charakter jest niegasnący – trwają one tak długo, jak długo nie ustaje ich przyczyna. Na skutek mechanicznego obciążenia, wynikającego z dokręcania nakrętki na złączu, stożkowa część męska (o kącie 60°) łączy się ze stożkową częścią żeńska (również o kącie 60°) złącza, tworząc uszczelnienie typu metal-metal, dodatkowo zaopatrzone w uszczelkę elastomerową.

The CAST S.p.A. 60° adapter fitting grants a perfect sealing of the system independently from the fluid utilized, as long as corrosive fluids are not used and all the specific prescription for this type of fitting are complied with. These fittings are manufactured in a single series defined "UNIVERSAL" since are designed as union between different international fitting norms as DIN 2353 and JIC 37° J514. Vibrations, in the norm, do not alter the functionality of this type of fitting, also at the top level of the quoted values, and therefore keeps the best characteristics of absolute guarantee, safety and reliability. For these specific reasons this fitting may be used in hard working conditions. Under the mechanical strength given by the tightening of the nut on the fitting body, the 60° conical male part couples with the 60° conical female part of the fitting body giving birth to a metal to metal seal supported by the elastomeric seal as well.



Przed zamontowaniem na stalową rurę:
(Before assembly on the metal tube)



Po zamontowaniu na stalową rurę:
(After assembly on the metal tube)

Pole działających sił po połączeniu
(Field of force after assembly)

Powierzchnie docisku po połączeniu
(Pressure surfaces after assembly)

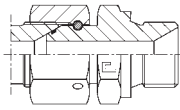
Punkty uszczelnienia
(Sealing points)

1-2-3

MOMENT DOKRĘCANIA DLA PRZYŁĄCZY NAKRĘTNYCH

Według BSP 5200 dla stali węglowej i nierdzewnej

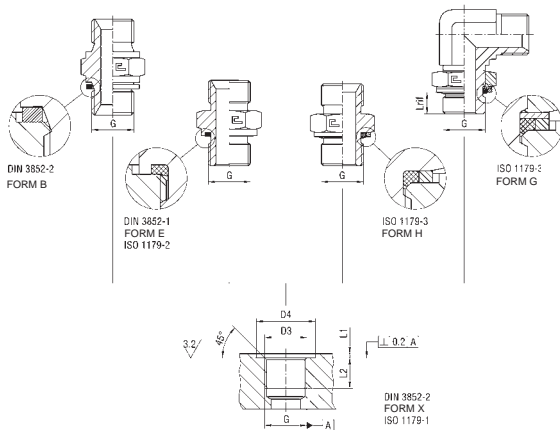
TIGHTENING TORQUES FOR SWIVEL NUT FITTINGS
BSP 5200 cone for carbon and stainless steel



| Gwint BSP (BSP thread) | Moment (Nm) (Torque (Nm)) | Gwint Metryczny (Metric thread) | Moment (Nm) (Torque (Nm)) |
|------------------------|---------------------------|---------------------------------|---------------------------|
| G 1/8 | 25 | M12x1,5 | 35 |
| G 1/4 | 65 | M14x1,5 | 45 |
| G 3/8 | 85 | M16x1,5 | 55 |
| G 1/2 | 150 | M18x1,5 | 70 |
| G 5/8 | 200 | M20x1,5 | 80 |
| G 3/4 | 260 | M22x1,5 | 100 |
| G 1 | 320 | M26x1,5 | 170 |
| G 1 1/4 | 500 | M30x1,5 | 250 |
| G 1 1/2 | 600 | | |
| G 2 | 700 | | |

GNIAZDO PRZYŁĄCZA WEDŁUG BSP 5200 Z GWINTEM BSP

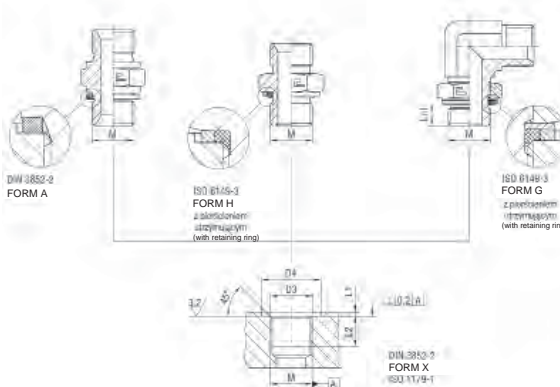
STUD ENDS BSP 5200 WITH BSP THREAD



| Gwint BSP (BSP thread) | D3 | D4 min. forma A/E (form A/E) | D4 min. forma G/H (form G/H) | L1 max | L2 min | L rif | Moment (Nm) FORM A (Torque (Nm) FORM A) | Moment (Nm) FORM E (Torque (Nm) FORM E) | Moment (Nm) FORM H (Torque (Nm) FORM H) | Moment (Nm) FORM G (Torque (Nm) FORM G) |
|------------------------|------|------------------------------|------------------------------|--------|--------|-------|---|---|---|---|
| G 1/8 | 9,8 | 15 | 17,2 | 1 | 8 | 7,5 | 20 | 20 | 20 | 20 |
| G 1/4 | 13,2 | 20 | 20,7 | 1,5 | 12 | 10,2 | 35 | 45 | 45 | 45 |
| G 3/8 | 16,7 | 23 | 24,5 | 2 | 12 | 10,4 | 70 | 70 | 70 | 70 |
| G 1/2 | 21 | 28 | 29,6 | 2,5 | 14 | 13,1 | 85 | 85 | 85 | 85 |
| G 5/8 | 23 | 31 | - | 2,5 | 16 | - | 105 | - | - | - |
| G 3/4 | 26,5 | 33 | 36,9 | 2,5 | 16 | 13,5 | 120 | 170 | 170 | 170 |
| G 1 | 33,3 | 41 | 46,1 | 2,5 | 18 | 14,7 | 180 | 330 | 330 | 330 |
| G 1 1/4 | 42 | 51 | 54 | 2,5 | 20 | 14,7 | 260 | 430 | 430 | 430 |
| G 1 1/2 | 47,9 | 56 | 60,5 | 2,5 | 22 | 14,7 | 290 | 510 | 510 | 510 |
| G 2 | 59,7 | 69 | 71 | 3 | 26 | 14,7 | 380 | 640 | 640 | 640 |

GNIAZDO PRZYŁĄCZA WEDŁUG BSP 5200 Z GWINTEM METRYCZNYM

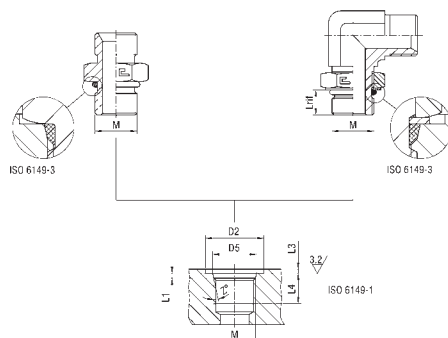
STUD ENDS BSP 5200 WITH METRIC THREAD



| Gwint Metryczny (Metric thread) | D3 | D4 min | L1 max | L2 min | L rif | Moment (Nm) FORM A (Torque (Nm) FORM A) | Moment (Nm) FORM H (Torque (Nm) FORM H) | Moment (Nm) FORM G (Torque (Nm) FORM G) |
|---------------------------------|----|--------|--------|--------|-------|---|---|---|
| M10x1 | 10 | 15 | 1 | 8 | 7,6 | 20 | 20 | 20 |
| M12x1,5 | 12 | 18 | 1,5 | 12 | 9,7 | 30 | 30 | 30 |
| M14x1,5 | 14 | 20 | 1,5 | 12 | 9,7 | 45 | 45 | 45 |
| M16x1,5 | 16 | 23 | 1,5 | 12 | 10,2 | 60 | 55 | 55 |
| M18x1,5 | 18 | 25 | 2 | 12 | 10,9 | 80 | 80 | 80 |
| M20x1,5 | 20 | 27 | 2 | 14 | - | 105 | - | - |
| M22x1,5 | 22 | 28 | 2,5 | 14 | 12 | 130 | 120 | 120 |
| M26x1,5 | 26 | 33 | 2,5 | 16 | - | 160 | - | - |
| M27x2 | 27 | 33 | 2,5 | 16 | 13,8 | - | 170 | 170 |
| M30x1,5 | 30 | 37 | 2,5 | 12 | - | 190 | - | - |
| M33x2 | 33 | 41 | 2,5 | 18 | 13,8 | - | 330 | 330 |
| M38x1,5 | 38 | 45 | 2,5 | 14 | - | 230 | - | - |
| M45x1,5 | 45 | 53 | 2,5 | 14 | - | 280 | - | - |

GNIAZDO PRZYŁĄCZA WEDŁUG BSP 5200 Z GWINTEM METRYCZNYM (ISO 6149)

STUD ENDS BSP 5200 WITH METRIC THREAD (ISO 6149)

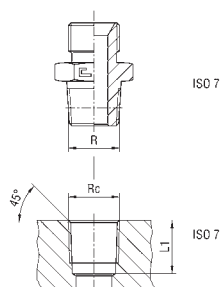


| Ciśnienie max. ISO 6149 PROSTE (P max. ISO 6149 STRAIGHT) | Ciśnienie max. ISO 6149 NASTAWNE (P max. ISO 6149 ADJUSTABLE) | Gwint Metryczny (Metric thread) | D2 min | D5 | L1 | L3 max | L4 min | L rif | Z' | Moment (Nm) ISO 6149 PROSTE (Torque (Nm) STRAIGHT) | Moment (Nm) ISO 6149 NASTAWNE (Torque (Nm) ADJUSTABLE) |
|---|---|---------------------------------|--------|------|-----|--------|--------|-------|----|--|--|
| 400 | 315 | M10x1 | 16 | 11,1 | 1,6 | 1 | 10 | 8,6 | 12 | 15 | 15 |
| 400 | 315 | M12x1,5 | 19 | 13,8 | 2,4 | 1,5 | 11,5 | 11,1 | 15 | 25 | 25 |
| 400 | 315 | M14x1,5 | 21 | 15,8 | 2,4 | 1,5 | 11,5 | 11,1 | 15 | 30 | 30 |
| 315 | 250 | M16x1,5 | 24 | 17,8 | 2,4 | 1,5 | 13 | 11,6 | 15 | 35 | 35 |
| 315 | 250 | M18x1,5 | 26 | 19,8 | 2,4 | 2 | 14,5 | 12,3 | 15 | 40 | 40 |
| 315 | 250 | M22x1,5 | 29 | 23,8 | 2,4 | 2 | 15,5 | 13,4 | 15 | 55 | 55 |
| 200 | 160 | M27x2 | 34 | 29,4 | 3,1 | 2 | 19 | 15,8 | 15 | 85 | 85 |
| 200 | 160 | M33x2 | 43 | 35,4 | 3,1 | 2,5 | 19 | 15,8 | 15 | 140 | 140 |

**GNIAZDO PRZYŁĄCZA WEDŁUG BSP 5200
Z GWINTEM BSPT**

STUD ENDS BSP 5200 WITH BSPT THREAD

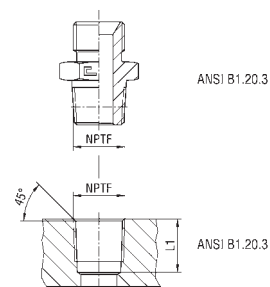
| Gwint BSPT (BSPT thread) | L1 |
|-----------------------------|------|
| R 1/8 | 7,4 |
| R 1/4 | 11 |
| R 3/8 | 11,4 |
| R 1/2 | 15 |
| R 3/4 | 16,3 |
| R 1 | 19,1 |
| R 1 1/4 | 21,4 |
| R 1 1/2 | 21,4 |
| R 2 | 25,7 |



**GNIAZDO PRZYŁĄCZA WEDŁUG BSP 5200
Z GWINTEM NPTF**

STUD ENDS BSP 5200 WITH NPTF THREAD

| Gwint NPTF (NPTF thread) | L1 |
|-----------------------------|------|
| 1/8-27 NPTF | 11,6 |
| 1/4-18 NPTF | 16,4 |
| 3/8-18 NPTF | 17,4 |
| 1/2-14 NPTF | 22,6 |
| 3/4-14 NPTF | 23,1 |
| 1-11,5 NPTF | 27,8 |
| 1 1/4-11,5 NPTF | 28,3 |
| 1 1/2-11,5 NPTF | 28,3 |
| 2-11,5 NPTF | 29 |



ORFS J1453



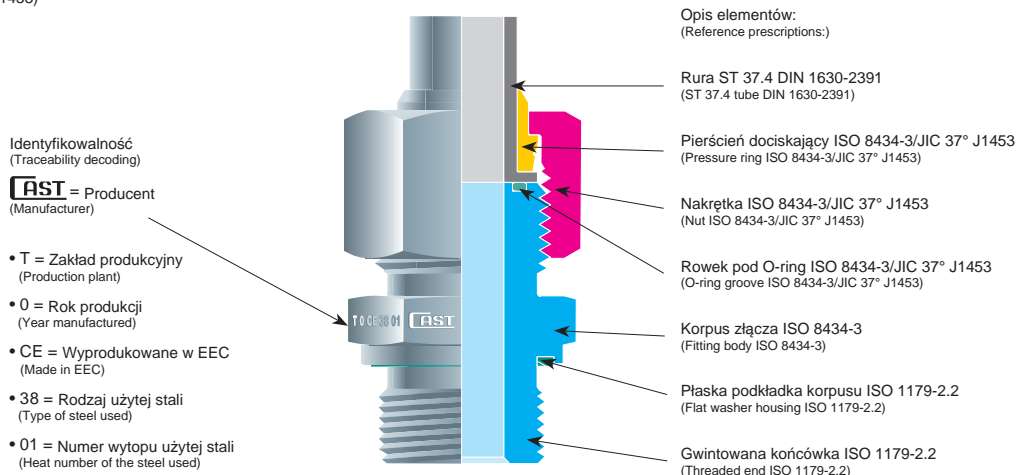
ZASADA DZIAŁANIA - RURA KIELICHOWA (THEORY OF OPERATION - FLARED TUBE)

Łącznik CAST S.A. zgodny jest z normą ISO 8434-3/J1453. Jest łącznikiem mechanicznym, wykorzystywanym tradycyjnie w tzw. wysokociśnieniowych systemach hydraulicznych.

Uszczelnienie utworzone jest przez kontakt pomiędzy dwiema nieodkształcalnymi, metalowymi powierzchniami. Dodatkowe uszczelnienie zapewnia tzw. o-ring, umieszczony w rowku (podłoczeniu) na czołowej powierzchni złącza. Połączenie pomiędzy korpusem złączki i rurą kielichową, zapewnione jest przez dokręcaną nakrętkę i przez pierścień dociskający od wewnątrz. Pozwala to na szybkie łączenie i rozłączanie rur, co umożliwia łatwiejszą realizację kompleksowych systemów hydraulicznych. Łączniki rurowe CAST, są łącznikami typu O.R.F.S. (O-ring Face Seal – z czołowym pierścieniem uszczelniającym o przekroju okrągłym). Podczas montażu złącza, uszczelka o-ring, zostaje ściśnięta w precyzyjnie wykonanym rowku w korpusie łącznika i tworzy niezawodne uszczelnienie.

The CAST S.p.A. fitting according to the norms ISO 8434-3 / JIC 37° J1453, is a mechanical fitting traditionally used for high pressure oleo-dynamic systems. The sealing is made by the contact between two metal surfaces, with no deformation of the single components, plus an elastomeric sealing o-ring placed into a groove on the front part of the fitting. The coupling between the body of the fitting and the brazed ferrule is guaranteed by the tightening nut on the inside. This allow to realize a fast assembling-disassembling tube making the easiest realization of complex oleo-dynamic systems.

SYSTEM ZŁĄCZY J1453 (COUPLING SYSTEM J1453)



CHARAKTERYSTYKA TECHNICZNA (TECHNICAL CHARACTERISTICS)

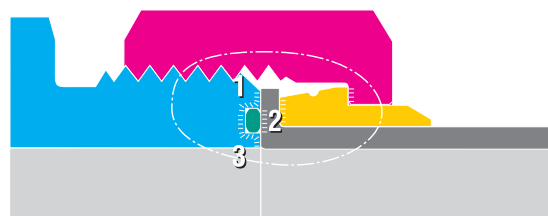
Złącze CAST S.A. ORFS zapewnia doskonałe uszczelnienie systemu, niezależnie od użytej cieczy, tak długo, jak nie są to ciecz korozyjna i spełniają wszystkie właściwe wymogi (specyficzne) dla tego typu łączników. Złącza te, produkowane są w pojedynczych seriach określonych jako „UNIwersalne”, ponieważ korpus i nakrętka złącza pozostają takie same, nawet wtedy, gdy użyte zostaną rury wymiarowane w calach lub metrycznie oraz nie występuje tu zmiana średnic dla różnych ciśnień roboczych. Drgania, pozostające w granicach normy, nie obniżają funkcjonalności tego typu połączenia, również przy wartościach szczytowych drgań, zachowując trwałość i niezawodność połączenia. Z tych względów, tego typu połączenia, mogą być używane w szczególnie ciężkich warunkach pracy. Jest to szczególnie istotne, gdyż często w warunkach rzeczywistej eksploatacji, występują w układach drgania o szerokim spektrum częstotliwości a ich charakter jest niegasnący – trwają one tak długo, jak długo nie ustaje ich przyczyna. Na skutek mechanicznego obciążenia, wynikającego z dokręcania nakrętki na złączce, rozszerzona część rury, łączy się z płaską częścią korpusu złączki, tworząc uszczelnienie typu metal-metal i pełni również funkcję uszczelnienia elastomerowego. Tuleja dociskowa, znajdująca się w wewnętrznej części nakrętki, zapewnia właściwe ułożenie układu złącza, zmniejszając drgania oraz eliminuje problemy mogące wystąpić w fazie właściwego łączenia.

The CAST S.p.A. ORFS fitting grants a perfect sealing of the system independently from the used fluid, as long as corrosive fluids are not used and all the specific prescription for this type of fitting are complied with. These fittings are manufactured in a single series defined "UNIVERSAL" since the body and the nut of the fitting remain the same even when switching from a inches sized tube to a metric tube, and since there are no doubles of diameters with different working pressures. Vibrations, in the norm, do not alter the functionality of this type of fitting, also at the top level of the quoted values, and therefore keeps the best characteristics of absolute guarantee, safety and reliability. For these specific reasons this fitting may be used in hard working conditions.

Under the mechanical strength given by the tightening of the nut on the fitting body, the flared part of the tube couples with the flat part of the fitting body carrying out a metal to metal seal supported by an elastomeric seal as well. The pressure sleeve hosted inside the nut assures the correct alignment of the system supporting the tube during working phase, diminishing vibrations and avoiding any possible trouble or damaging of the tube during the assembly phase.



Przed zamontowaniem na stalową rurę:
(Before assembly on the metal tube)



Po zamontowaniu na stalową rurę:
(After assembly on the metal tube)

Pole działających sił po połączeniu
(Field of force after assembly)

Powierzchnie docisku po połączeniu
(Pressure surfaces after assembly)

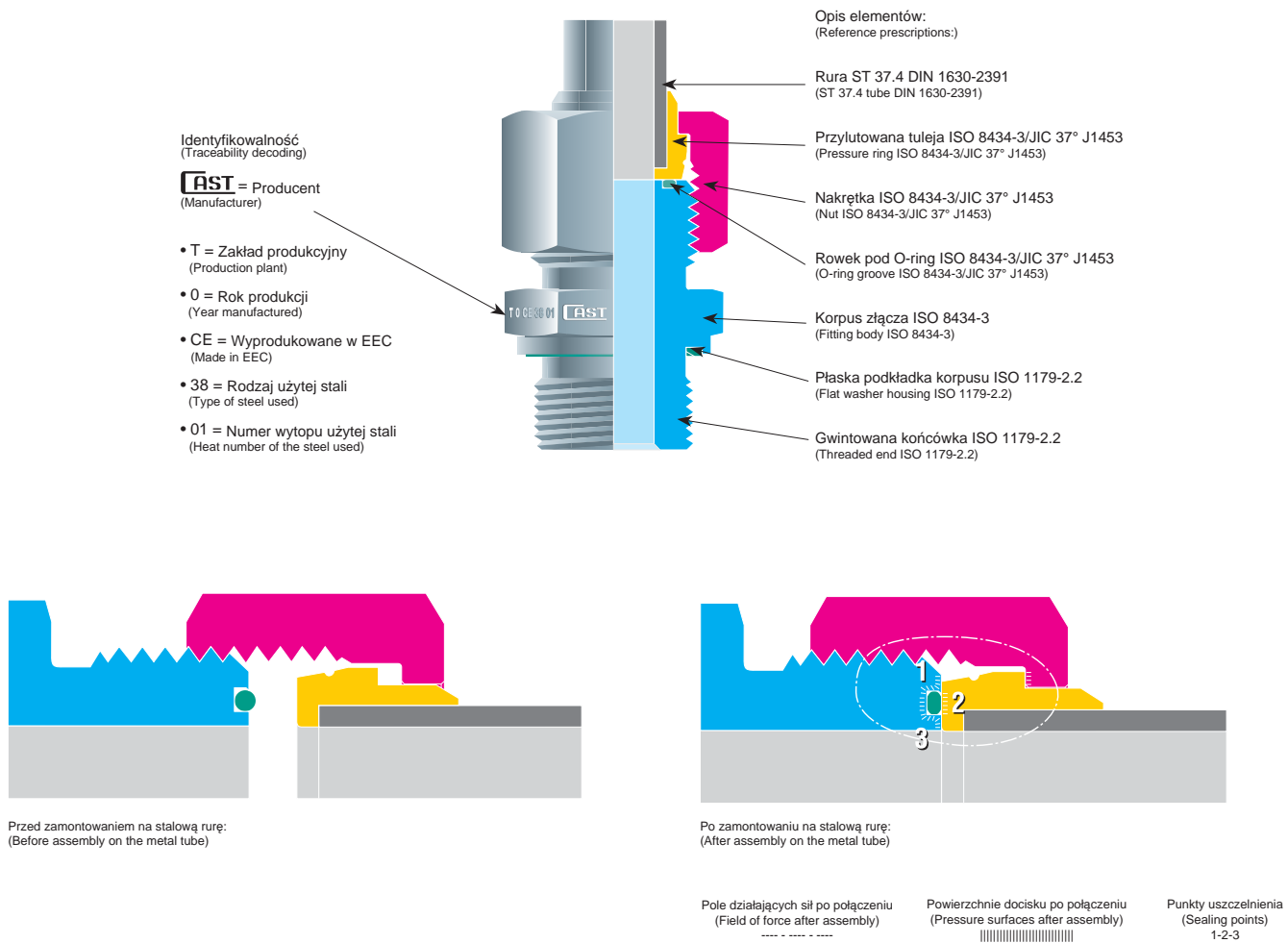
Punkty uszczelnienia
(Sealing points)
1-2-3

ZASADA DZIAŁANIA - PRZYLUTOWANA TULEJA (THEORY OF OPERATION - BRAZED FERRULE)

Łącznik CAST S.A. zgodny jest z normą ISO 8434-3/J1453. Jest to łącznik mechaniczny, wykorzystywany tradycyjnie w tzw. wysokociśnieniowych systemach hydraulicznych. Uszczelnienie wykonane jest przez kontakt pomiędzy dwiema nieodkształcalnymi, metalowymi powierzchniami. Dodatkowo uszczelnienie zapewnia tzw. o-ring, umieszczony w rowku (podtloczeniu) na czołowej powierzchni złączki. Połączenie pomiędzy korpusem złączki i lutowaną tuleją, zapewnione jest poprzez dokręcaną nakrętkę. Pozwala to na szybkie łączenie i rozłączanie rur, co umożliwia łatwiejszą realizację kompleksowych systemów hydraulicznych.

The CAST S.p.A. fitting according to the norms ISO 8434-3 / JIC 37° J1453, is a mechanical fitting traditionally used for high pressure oleo-dynamic systems. The sealing is made by the contact between two metal surfaces, with no deformation of the single components, plus an elastomeric sealing o-ring placed into a groove on the front part of the fitting. The coupling between the body of the fitting and the brazed ferrule is guaranteed by the tightening nut on the inside. This allow to realize a fast assembling-disassembling tube making the easiest realization of complex oleo-dynamic systems.

SYSTEM ZŁĄCZY J1453 (COUPLING SYSTEM J1453)



CERTYFIKATY JAKOŚCIOWE (QUALITY ASSURANCE)

System zapewniania jakości, odpowiada UNI EN ISO 9001, certyfikat (nr 90/94) wydany przez urząd certyfikacji RINA uznany przez IQNET na poziomie europejskim. Na życzenie klienta, nasz serwis jakości, może wydać świadectwa pochodzenia, dla materiałów użytych do wytworzenia dostarczonych produktów. Nasi Eksperti ds. Jakości są zawsze gotowi do udzielenia klientom porad, mogących ułatwić identyfikację naszych systemów łączenia.

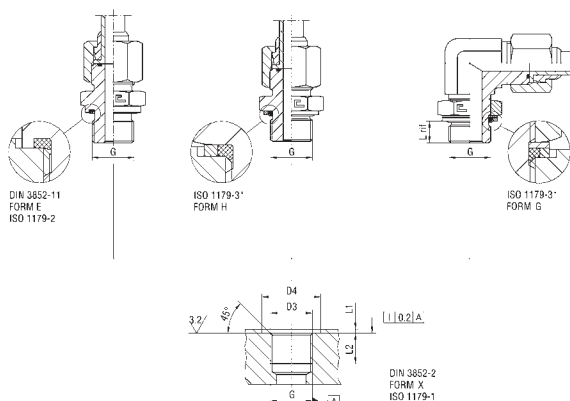
The Quality Assurance System complies with UNI EN ISO 9001, certificate (N°90/94) issued by the RINA certification authority recognized by IQNET at European level. At the customer's request, our Quality Service will issue certificates of origin for the materials used to manufacture the products delivered. Our Quality Experts are always ready to provide customers with advice, to guide them around our facilities as to provide documentation of the traceability system applied.

Oprócz normalnej kontroli wymiarowej, przeprowadzanej podczas obróbki, przeprowadzane są inspekcje gotowego produktu, badania zmęczeniowe oraz badania szczelności rzeczywistej. Test złączy CAST, jest przeprowadzany również między różnymi elementami tych złączy. Na życzenie klienta, kwestie serwisowe oraz zaświadczenie z przeprowadzonych badań, mogą dotyczyć: testów wymiarowych i geometrycznych, sprawdzania uszczelnienia statycznego przy niskim i wysokim ciśnieniu pracy układu oraz dynamicznego uszczelnienia przy ciśnieniu wysokim (maksymalne ciśnienie robocze + 33%) według ISO 8434-5. Wymienione w poniższym dziale elementy złączne posiadają certyfikaty odbiorcze 3.2 wg. EN 10204: 2006 wystawione przez: Det Norske Veritas (DNV).

In addition to the normal dimensional checks carried out during machining, percentage inspections of the finished product, practical tightness and fatigue tests, coupling tests between the various parts are also carried out on CAST fittings. At the customer's request, our Product Test and Inspection Service issues the certificate of the tests carried out: dimensional and geometrical tests, checking of static seal at low and high pressure, dynamic seal at high pressure (maximum operating pressure + 33% as per ISO 8434-5). Tests was carried out by: Det Norske Veritas (DNV).

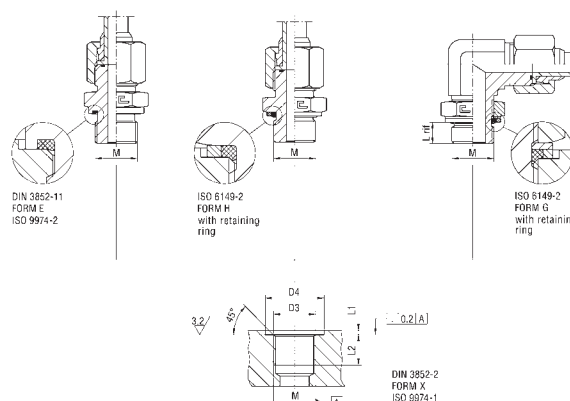
GNIAZDO PRZYŁĄCZA J1453 Z GWINTEM BSP
STUD ENDS J1453 WITH BSP THREAD

| Ø Rury (Ø Tube) | Gwint BSP (BSP Thread) | D3 | D4 min. FORM E (FORM E) | D4 min. FORM G/H (FORM G/H) | L1 max | L2 min | L rif | Moment (Nm) +10% FORM E (Torque (Nm) +10% FORM E) | Moment (Nm) +10% FORM H (Torque (Nm) +10% FORM H) | Moment (Nm) +10% FORM G (Torque (Nm) +10% FORM G) |
|-----------------|------------------------|------|-------------------------|-----------------------------|--------|--------|-------|---|---|---|
| 6 | G 1/8 | 9,8 | 15 | 17,2 | 1 | 8 | 7,5 | 20 | 20 | 20 |
| 8-10 | G 1/4 | 13,2 | 20 | 20,7 | 1,5 | 12 | 10,2 | 55 | 55 | 55 |
| 12 | G 3/8 | 16,7 | 23 | 24,5 | 2 | 12 | 10,4 | 80 | 80 | 80 |
| 14-15-16 | G 1/2 | 21 | 28 | 29,6 | 2,5 | 14 | 13,1 | 110 | 110 | 110 |
| 18-20 | G 3/4 | 26,5 | 33 | 36,9 | 2,5 | 16 | 13,5 | 170 | 170 | 170 |
| 22-25 | G 1 | 33,3 | 41 | 46,1 | 2,5 | 18 | 14,7 | 330 | 330 | 330 |
| 28-30-32 | G 1 1/4 | 42 | 51 | 54 | 2,5 | 20 | 14,7 | 430 | 430 | 430 |
| 35-38 | G 1 1/2 | 47,9 | 56 | 60,5 | 2,5 | 22 | 14,7 | 510 | 510 | 510 |



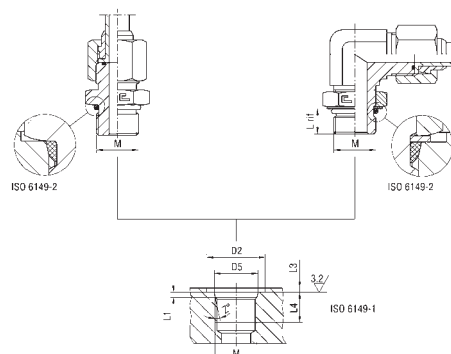
GNIAZDO PRZYŁĄCZA J1453 Z GWINTEM METRYCZNYM
STUD ENDS J1453 WITH METRIC THREAD

| Ø Rury (Ø Tube) | Gwint Metryczny (Metric thread) | D3 | D4 min. FORM E (FORM E) | D4 min. ISO 6149 | L1 max | L2 min | L rif | Moment (Nm) +10% FORM E (Torque (Nm) +10% FORM E) | Moment (Nm) +10% FORM H (Torque (Nm) +10% FORM H) | Moment (Nm) +10% FORM G (Torque (Nm) +10% FORM G) |
|-----------------|---------------------------------|----|-------------------------|------------------|--------|--------|-------|---|---|---|
| 6 | M10x1 | 10 | 15 | 16 | 1 | 8 | 7,6 | 20 | 20 | 20 |
| 8-10 | M12x1,5 | 12 | 18 | 19 | 1,5 | 12 | 9,7 | 40 | 40 | 40 |
| 8-10 | M14x1,5 | 14 | 20 | 21 | 1,5 | 12 | 9,7 | 55 | 55 | 55 |
| 12 | M16x1,5 | 16 | 23 | 24 | 1,5 | 12 | 10,2 | 70 | 70 | 70 |
| 14-15-16 | M18x1,5 | 18 | 25 | 26 | 2 | 12 | 10,9 | 85 | 85 | 85 |
| 14-15-16 | M20x1,5 | 20 | 27 | 27 | 2 | 14 | 12 | 120 | 120 | 120 |
| 14-15-16 | M22x1,5 | 22 | 28 | 29 | 2,5 | 14 | 12 | 130 | 130 | 130 |
| 18-20 | M27x2 | 27 | 33 | 34 | 2,5 | 16 | 13,8 | 170 | 170 | 170 |
| 22-25 | M33x2 | 33 | 41 | 43 | 2,5 | 18 | 13,8 | 330 | 330 | 330 |
| 28-30-32 | M42x2 | 42 | 51 | 52 | 2,5 | 22 | 13,8 | 430 | 430 | 430 |
| 35-38 | M48x2 | 48 | 56 | 57 | 2,5 | 22 | 15,3 | 510 | 510 | 510 |

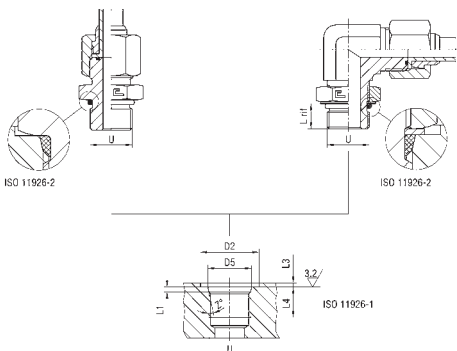


GNIAZDO PRZYŁĄCZA J1453 Z GWINTEM METRYCZNYM (ISO 6149)
STUD ENDS J1453 WITH METRIC THREAD (ISO 6149)

| Cisnienie max. ISO 6149 PROSTE (P max. ISO 6149 STRAIGHT) | Cisnienie max. ISO 6149 NASTAWNE (P max. ISO 6149 ADJUSTABLE) | Ø Rury (Ø Tube) | Gwint Metryczny (Metric thread) | D2 min. | D5 | L1 | L3 max | L4 min | L rif | Z' | Moment (Nm) ISO 6149 +10% PROSTE (Torque (Nm) ISO 6149 +10% STRAIGHT) | Moment (Nm) ISO 6149 +10% NASTAWNE (Torque (Nm) ISO 6149 +10% ADJUSTABLE) |
|---|---|-----------------|---------------------------------|---------|------|-----|--------|--------|-------|----|---|---|
| 630 | 400 | 6 | M10x1 | 16 | 11,1 | 1,6 | 1 | 10 | 8,6 | 12 | 15 | 15 |
| 630 | 400 | 8-10 | M12x1,5 | 19 | 13,8 | 2,4 | 1,5 | 11,5 | 11,1 | 15 | 30 | 30 |
| 630 | 400 | 8-10 | M14x1,5 | 21 | 15,8 | 2,4 | 1,5 | 11,5 | 11,1 | 15 | 40 | 40 |
| 630 | 400 | 12 | M16x1,5 | 24 | 17,8 | 2,4 | 1,5 | 13 | 11,6 | 15 | 50 | 50 |
| 630 | 400 | 14-15-16 | M18x1,5 | 26 | 19,8 | 2,4 | 2 | 14,5 | 12,3 | 15 | 60 | 60 |
| 400 | 400 | 14-15-16 | M20x1,5 | 27 | 21,8 | 2,4 | 2 | 14,5 | 13,4 | 15 | 70 | 70 |
| 400 | 400 | 14-15-16 | M22x1,5 | 29 | 23,8 | 2,4 | 2 | 15,5 | 13,4 | 15 | 85 | 85 |
| 400 | 400 | 18-20 | M27x2 | 34 | 29,4 | 3,1 | 2 | 19 | 15,8 | 15 | 150 | 150 |
| 400 | 315 | 22-25 | M33x2 | 43 | 35,4 | 3,1 | 2,5 | 19 | 15,8 | 15 | 260 | 260 |
| 250 | 250 | 28-30-32 | M42x2 | 52 | 44,4 | 3,1 | 2,5 | 19,5 | 15,8 | 15 | 280 | 280 |
| 250 | 250 | 35-38 | M48x2 | 57 | 50,4 | 3,1 | 2,5 | 22 | 17,3 | 15 | 360 | 360 |

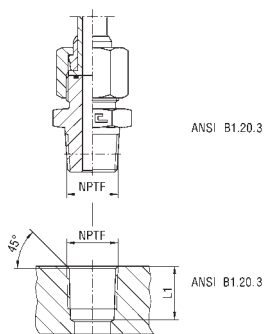


GNIAZDO PRZYŁĄCZA J1453 Z GWINTEM UNF/UN-2A STUD ENDS J1453 WITH UNF/UN-2A THREAD



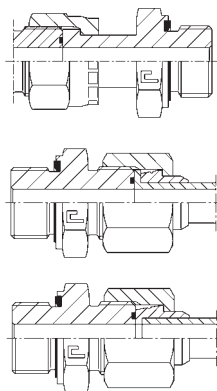
| Ø Rury (Ø Tube) | Gwint UNF/UN-2A (UNF/UN-2A thread) | D2 min. | D5 | L1 | L3 max | L4 min | L rif | Z' | Moment (Nm) +10% PROSTE (Torque (Nm) +10% STRAIGHT) | Moment (Nm) +10% NASTAWNE (Torque (Nm) +10% ADJUSTABLE) |
|-----------------|------------------------------------|---------|-------|-----|--------|--------|-------|----|---|---|
| 6 | 7/16-20 UNF-2A | 21 | 12,45 | 2,4 | 1,6 | 11,5 | 9,9 | 12 | 20 | 20 |
| 8-10 | 1/2-20 UNF-2A | 23 | 14,05 | 2,4 | 1,6 | 11,5 | 9,9 | 12 | 25 | 25 |
| 8-10 | 9/16-18 UNF-2A | 25 | 15,7 | 2,5 | 1,6 | 12,7 | 11,1 | 12 | 35 | 55 |
| 12 | 3/4-16 UNF-2A | 30 | 20,65 | 2,5 | 2,4 | 14,3 | 12,5 | 15 | 60 | 60 |
| 14-15-16 | 7/8-14 UNF-2A | 34 | 24 | 2,5 | 2,4 | 16,7 | 14,5 | 15 | 85 | 85 |
| 18-20 | 1 1/16-12 UN-2A | 41 | 29,2 | 3,3 | 2,4 | 19 | 16,8 | 15 | 150 | 150 |
| 22-25 | 1 5/16-12 UN-2A | 49 | 35,55 | 3,3 | 3,2 | 19 | 16,8 | 15 | 230 | 230 |
| 28-30-32 | 1 5/8-12 UN-2A | 58 | 43,55 | 3,3 | 3,2 | 19 | 16,8 | 15 | 250 | 250 |
| 35-38 | 1 7/8-12 UN-2A | 65 | 49,9 | 3,3 | 3,2 | 19 | 16,8 | 15 | 320 | 320 |

GNIAZDO PRZYŁĄCZA J1453 Z GWINTEM NPTF STUD ENDS J1453 WITH NPTF THREAD



| Ø Rury (Ø Tube) | Gwint NPTF (NPTF thread) | L1 |
|-----------------|--------------------------|------|
| 6 | 1/8-27 NPTF | 11,6 |
| 8-10 | 1/4-18 NPTF | 16,4 |
| 12 | 3/8-18 NPTF | 17,4 |
| 14-15-16 | 1/2-14 NPTF | 22,6 |
| 18-20 | 3/4-14 NPTF | 23,1 |
| 22-25 | 1-11,5 NPTF | 27,8 |
| 28-30-32 | 1 1/4-11,5 NPTF | 28,3 |
| 35-38 | 1 1/2-11,5 NPTF | 28,3 |

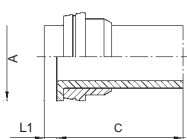
TABELA MOMENTU DOKRĘCEN TIGHTENING TORQUES FOR TUBE ENDS AND CRIMPED NUT FITTINGS



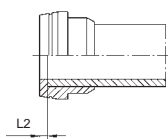
| Ø Metryczna rury (Ø Metric Tube) | Ø Calowa rury (Ø Inch Tube) | Gwint UNF/UNS/UN-2A (Thread UNF/UNS/UN-2A) | Moment (Nm) +10% (Torque (Nm) +10%) |
|----------------------------------|-----------------------------|--|-------------------------------------|
| 6 | 1/4 | 9/16-18 | 25 |
| 8-10 | 5/16-3/8 | 1 1/16-16 | 40 |
| 12 | 1/2 | 1 3/16-16 | 55 |
| 14-15-16 | 5/8 | 1-14 | 60 |
| 18-20 | 3/4 | 1 3/16-12 | 90 |
| 22-25 | 7/8-1 | 1 7/16-12 | 125 |
| 28-30-32 | 1 1/4 | 1 11/16-12 | 170 |
| 35-38 | 1 1/2 | 2-12 | 200 |

Montaż na końcu rury
(Assembly on tube end)

TECHNICZNE DANE DOTYCZĄCE PRZYGOTOWANIA RUR (TECHNICAL DATAS FOR TUBE PREPARATION)



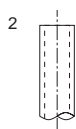
| Ø Metryczna rury (Ø Tube) | Ø Calowa rury (Ø Inch Tube) | Ø Kielicha (Flaring Ø) | | L1 | L2 | C |
|---------------------------|-----------------------------|------------------------|-------|-----|-----|----|
| | | A min | A max | | | |
| 6x1 | 1/4x0,035 | 12,10 | 12,75 | - | 1 | 32 |
| 6x1,5 | 1/4x0,065 | - | - | - | - | - |
| 8x1 | 5/16x0,035 | - | - | - | - | - |
| 8x1,5 | 5/16x0,065 | - | - | - | - | - |
| 10x1 | 3/8x0,035 | 14,85 | 15,75 | 2,5 | 1 | 40 |
| 10x1,5 | 3/8x0,065 | - | - | 2 | - | - |
| 10x2 | 3/8x0,083 | - | - | 1,5 | - | - |
| 12x1 | 1/2x0,035 | - | - | - | - | - |
| 12x1,5 | 1/2x0,065 | - | - | 3 | - | - |
| 12x2 | 1/2x0,083 | 18 | 18,90 | 2,5 | 1 | 45 |
| 12x2,5 | 1/2x0,095 | - | - | 2 | - | - |
| 14x1,5 | - | - | - | - | - | - |
| 14x2 | - | - | - | - | - | - |
| 14x2,5 | - | - | - | - | - | - |
| 15x1,5 | - | - | - | 4,5 | - | - |
| 15x2 | - | 22,20 | 23,45 | 4 | - | - |
| 15x2,5 | - | - | - | 3,5 | - | - |
| 16x1,5 | 5/8x0,065 | - | - | 4 | - | - |
| 16x2 | 5/8x0,083 | - | - | 3,5 | - | - |
| 16x2,5 | 5/8x0,095 | - | - | 3 | - | - |
| 16x3 | 5/8x0,120 | - | - | 2,5 | - | - |
| 18x1,5 | - | - | - | - | - | - |
| 18x2 | - | - | - | 5 | - | - |
| 18x2,5 | - | 26,60 | 27,85 | 4,5 | 1,5 | 50 |
| 18x3 | - | - | - | 4 | - | - |



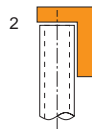
| Ø Metryczna rury (Ø Tube) | Ø Calowa rury (Ø Inch Tube) | Ø Kielicha (Flaring Ø) | | L1 | L2 | C |
|---------------------------|-----------------------------|------------------------|-------|-----|-----|----|
| | | A min | A max | | | |
| 20x2 | 3/4x0,083 | - | - | 4 | - | - |
| 20x2,5 | 3/4x0,095 | - | - | 3,5 | - | - |
| 20x3 | 3/4x0,120 | 26,60 | 27,85 | 3 | 1,5 | 50 |
| 20x3,5 | 3/4x0,134 | - | - | 2,5 | - | - |
| 22x2 | 7/8x0,083 | - | - | - | - | - |
| 22x2,5 | 7/8x0,095 | - | - | - | - | - |
| 22x3 | 7/8x0,120 | - | - | - | - | - |
| 25x2,5 | 1x0,095 | 32,95 | 34,20 | 4,5 | 1,5 | 60 |
| 25x3 | 1x0,120 | - | - | 4 | - | - |
| 25x4 | 1x0,156 | - | - | 3 | - | - |
| 25x5 | 1x0,188 | - | - | 2 | - | - |
| 28x2 | - | - | - | - | - | - |
| 28x2,5 | - | - | - | - | - | - |
| 28x3 | - | - | - | - | - | - |
| 30x2 | - | - | - | 5,5 | - | - |
| 30x2,5 | - | 39,35 | 40,55 | 5 | 1,5 | 60 |
| 30x3 | - | - | - | 4,5 | - | - |
| 30x4 | - | - | - | 4 | - | - |
| 32x3 | 1 1/4x0,120 | - | - | 4 | - | - |
| 32x4 | 1 1/4x0,156 | - | - | - | - | - |
| 35x3 | - | - | - | - | - | - |
| 35x4 | - | - | - | - | - | - |
| 38x3 | 1 1/2x0,120 | 47,25 | 48,50 | 7 | 1,5 | 70 |
| 38x4 | 1 1/2x0,156 | - | - | 6 | - | - |

INSTRUKCJA MONTAŻU ZGODNIE Z J1453 ORFS DLA RUR KIELICHOWANYCH (ASSEMBLY INSTRUCTIONS ACCORDING TO J1453 FOR FLARED TUBES)

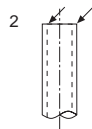
- Przed rozpoczęciem kielichowania rury, należy sprawdzić właściwe nastawy parametrów wszystkich narzędzi, które mają być użyte i w razie stwierdzenia nieprawidłowości - należy ustawić prawidłowo. Wszelkie niezbędne narzędzia znajdzie Państwo w ofercie Hydropress.
Before to start to flare the tube check for the correct parameters of all the tools to be used and substitute those not complying to the requirements. All tools available at Hydropress.
- Obetnij rurę pod kątem 90°, używając odpowiedniego narzędzia (nie używaj obcinaka rolkowego). Następnie sprawdź poprawność obcięcia oraz usuń pozostałości procesu na zewnątrz, jak i wewnątrz rury stosując gradownik HP Clean.
Cut the tube at a 90° angle using the appropriate tool (do not use roll tube cutters). Check for the correct cut of the tube and deburr internally and externally by deburring tool.
- W celu otrzymania wymaganej długości rury, proszę dodać wartość L1 z danych technicznych, znajdujących się na stronie 42, dla kielichowania rur.
To obtain the wanted length of the tube please add the "L1" quote on the technical information datas for tube flaring on page 42.
- Sprawdź wszelkie uszkodzenia, które mogą obniżyć skuteczność łączenia na wewnętrznej części rury. Nigdy nie stosuj nieodpowiednich rur.
Check for any damage that could impair the usefulness of the fitting, on the internal part of the tube. Never use a non complying tube.
- Przy użyciu odpowiednich środków, wyczyść starannie tę część rury, która ma być kielichowana.
Clean properly with appropriate products the part of the tube to be flared.
- Założ nakrętkę i tuleję na rurę, zwracając uwagę na to, że otwarta część nakrętki jest skierowana w tę stronę, w którą rura powinna być kielichowana, tak jak łeb tulei - patrz rysunek poniżej.
Assemble the nut and sleeve on the tube taking care that the open part of the nut is directed the same way where the tube shall be flared so as must be the head of the sleeve, see below.
- Rozszerz rurę, używając odpowiedniej maszyny do kielichowania rur i starannie przestrzegaj wszystkich wskazówek zawartych w poniższej tabeli. Rysunki wskazują numery czynności, które powinny być wzięte pod uwagę.
Flare the tube using the appropriate flaring machine, and carefully respecting all the indications in the below table. The drawings indicate the quotes that must be considered.
- Sprawdź czy kielichowanie rury zostało wykonane prawidłowo i żadne uszkodzenia struktury, które mogą pogorszyć właściwą pracę, nie są obecne.
Check that the flaring of the tube has been made correctly and that no structural damages that could impair the correct working of the tube are present..
- Wyczyść nakrętkę, tuleję, łącznik i rurę, a następnie nasmaruj pastą antyzatarcia HP-DX Paste.
Clean nut, sleeve, fitting and tube and lubricate with suggested products anti-seizing paste HP-DX Paste.
- Nałóż kielichowaną rurę na stożek złączki i ręcznie zaciskaj nakrętkę. Sprawdź właściwe dopasowanie współpracujących części a następnie używając klucza - dokręć, osiągając punkt kontaktu metal-metal stożkowych części.
Couple the flared tube on the fitting cone, and tighten by hand the nut on the body of the fitting to check the correct alignment of the parts involved, then using a wrench tighten until reaching the metal to metal contact of the conical parts.
- Powtarzane łączenie i rozłączanie, nie zmienia funkcjonalności produktów.
Repeated assembly and disassembly will not alter the functionality of the products.
- Proszę zapoznać się z tabelą na str. 42, w celu zastosowania odpowiednich momentów dokręcania.
Please refer to the table on page 42 for the correct tightening torques to be applied.



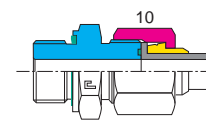
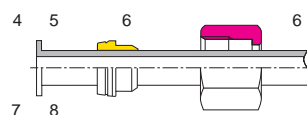
Obcięcie rury piłą do metalu
(Tube cutting with hack-saw)



Sprawdzenie poprawności obcięcia rury
(Check out)

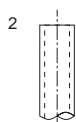


Usunięcie niewielkich pozostałości po cięciu gradownikiem
(Slight deburr)

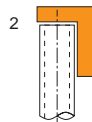


INSTRUKCJA MONTAŻU ZGODNIE Z J1453 ORFS DLA RUR LUTOWANYCH (ASSEMBLY INSTRUCTIONS ACCORDING TO J1453 FOR BRAZED TUBES)

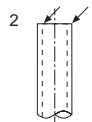
- Przed rozpoczęciem lutowania rury, należy sprawdzić właściwe nastawy parametrów wszystkich narzędzi, które mają być użyte i w razie stwierdzenia nieprawidłowości - ustawić prawidłowo. Wszelkie niezbędne narzędzia znajdzie Państwo w ofercie Hydropress.
Before to start to braze the tube check for the correct parameters of all the tools to be used and substitute those not complying to the requirements. All tools available at Hydropress.
- Obetnij rurę pod kątem 90°, używając odpowiedniego narzędzia (nie używaj obcinaka rolkowego). Następnie sprawdź poprawność obcięcia oraz usuń pozostałości procesu na zewnątrz, jak i wewnątrz rury stosując gradownik, HP Clean.
Cut the tube at a 90° angle using the appropriate tool (do not use roll tube cutters). Check for the correct cut of the tube and deburr internally and externally.
- W celu otrzymania wymaganej długości rury, proszę dodać wartość L1 danych technicznych, znajdujących się na stronie 42 dla rur lutowanych.
To obtain the wanted length of the tube please add the "L1" quote on the technical information datas for tube brazing on page 42.
- Sprawdź wszelkie uszkodzenia, które mogą obniżyć skuteczność łączenia na wewnętrznej części rury. Nigdy nie stosuj nieodpowiednich rur.
Check for any damage that could impair the usefulness of the fitting, on the internal part of the tube. Never use a non complying tube.
- Przy użyciu odpowiednich środków, wyczyść starannie tę część rury, która ma być lutowana na zimno.
Clean properly with appropriate products the part of the tube to be brazed.
- Założ nakrętkę i tuleję na rurę, zwracając uwagę na to, że otwarta część nakrętki jest skierowana w tą stronę, w którą rura ma być lutowana, więc musi to być łeb tulei - patrz rysunek poniżej.
Assemble the nut and sleeve on the tube taking care that the open part of the nut is directed the same way where the tube shall be flared so as must be the head of the sleeve, see below.
- Zlutuj rurę, używając odpowiednich lutowniczych narzędzi, upewniając się, że rura jest w kontakcie z wewnętrzną częścią tulei. Upewnij się, że nie przegrzewasz lub karbonizujesz elementów.
Braise the tube using the appropriate brazing machine, and carefully respecting all the indications in the below table. The drawings indicate the quotes that must be considered.
- Sprawdź czy lutowanie rury zostało wykonane prawidłowo i żadne uszkodzenia struktury, które mogą pogorszyć właściwą pracę, nie są obecne.
Check that the brazing of the tube has been made correctly and that no structural damages that could impair the correct working of the tube are present.
- Wyczyść nakrętkę, tuleję, łącznik i rurę. Nasmaruj je pastą antyzatarcia HP-DX Paste.
Clean nut, sleeve, fitting and tube and lubricate with anti-seizing paste HP-DX Paste.
- Nałóż lutowaną rurę na stożek złączki i ręcznie zaciskaj nakrętkę. Sprawdź właściwe dopasowanie współpracujących części a następnie używając klucza - dokręć, osiągając punkt kontaktu metal-metal stożkowych części.
Couple the brazed tube on the fitting cone, and tighten by hand the nut on the body of the fitting to check the correct alignment of the parts involved, then using a wrench tighten until reaching the metal to metal contact of the conical parts.
- Powtarzane łączenie i rozłączanie, nie zmienia funkcjonalności produktów.
Repeated assembly and disassembly will not alter the functionality of the products.
- Proszę zapoznać się z tabelą na str. 42, w celu zastosowania odpowiednich momentów dokręcania.
Please refer to the table on page 42 for the correct tightening torques to be applied.



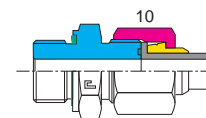
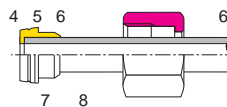
Obcięcie rury piłą do metalu
(Tube cutting with hack-saw)



Sprawdzenie poprawności obcięcia rury
(Check out)



Usunięcie niewielkich pozostałości po cięciu gradownikiem
(Slight deburr)

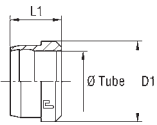


DIN 2353

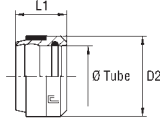
PIERŚCIEŃ ZACINAJĄCY "B3" i "B4"

CUTTING RING "B3" AND "B4"

1001...1
B3 Pierścień (Ring)



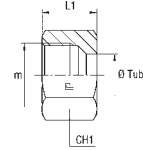
1001...1.4
B4 Pierścień (Ring)



NAKRĘTKA

TIGHTNING NUT

1002..



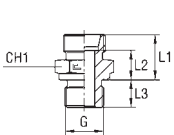
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | L1 | D1 | D2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring)* | |
|----------------|-----------------|--|-----------------|------|------|----|--|----------|
| LL | 100 | 100101 | 4 | 6 | 6 | - | - | |
| | | 100102 | 6 | 7 | 8 | - | - | |
| | | 100103 | 8 | 7 | 10 | - | - | |
| | L | 315 | 100104 | 6 | 9,5 | 10 | 10 | 100104.4 |
| | | | 100105 | 8 | 9,5 | 12 | 12 | 100105.4 |
| | | | 100106 | 10 | 10 | 14 | 14 | 100106.4 |
| | | | 100107 | 12 | 10 | 16 | 16 | 100107.4 |
| | | | 100108 | 15 | 10 | 19 | 20 | 100108.4 |
| | | | 100109 | 18 | 10 | 23 | 23 | 100109.4 |
| | | | 100110 | 22 | 10,5 | 27 | 27 | 100110.4 |
| S | 630 | 100111 | 28 | 11 | 33 | 33 | 100111.4 | |
| | | 100112 | 35 | 13 | 41 | 41 | 100112.4 | |
| | | 100113 | 42 | 13 | 48 | 48 | 100113.4 | |
| | | 100104 | 6 | 9,5 | 10 | 10 | 100114.4 | |
| | | 100105 | 8 | 9,5 | 12 | 12 | 100115.4 | |
| | | 100106 | 10 | 10 | 14 | 14 | 100116.4 | |
| | | 100107 | 12 | 10 | 16 | 16 | 100117.4 | |
| S | 400 | 100118 | 14 | 10 | 19 | 19 | 100118.4 | |
| | | 100119 | 16 | 10,5 | 21 | 21 | 100119.4 | |
| | | 100120 | 20 | 12 | 26 | 26 | 100120.4 | |
| | | 100121 | 25 | 12 | 32 | 32 | 100121.4 | |
| | | 100122 | 30 | 13 | 36 | 36 | 100122.4 | |
| | | 100123 | 38 | 13 | 44 | 44 | 100123.4 | |

| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia nakrętki (Ordering Nut)* | Ø Rury (Ø Tube) | m | L1 | CH1 | |
|----------------|-----------------|---|-----------------|--------|--------|------|----|
| LL | 100 | 100201 | 4 | 8x1 | 11 | 10 | |
| | | 100202 | 6 | 10x1 | 11,5 | 12 | |
| | | 100203 | 8 | 12x1 | 12 | 14 | |
| | L | 315 | 100204 | 6 | 12x1,5 | 14,5 | 14 |
| | | | 100205 | 8 | 14x1,5 | 14,5 | 17 |
| | | | 100206 | 10 | 16x1,5 | 15,5 | 19 |
| | | | 100207 | 12 | 18x1,5 | 15,5 | 22 |
| | | | 100208 | 15 | 22x1,5 | 17 | 27 |
| | | | 100209 | 18 | 26x1,5 | 18 | 32 |
| | | | 100210 | 22 | 30x2 | 20 | 36 |
| S | 630 | 100211 | 28 | 36x2 | 21 | 41 | |
| | | 100212 | 35 | 45x2 | 24 | 50 | |
| | | 100213 | 42 | 52x2 | 24 | 60 | |
| | | 100214 | 6 | 14x1,5 | 16,5 | 17 | |
| | | 100215 | 8 | 16x1,5 | 16,5 | 19 | |
| | | 100216 | 10 | 18x1,5 | 17,5 | 22 | |
| | | 100217 | 12 | 20x1,5 | 17,5 | 24 | |
| S | 400 | 100218 | 14 | 22x1,5 | 20,5 | 27 | |
| | | 100219 | 16 | 24x1,5 | 20,5 | 30 | |
| | | 100220 | 20 | 30x2 | 24 | 36 | |
| | | 100221 | 25 | 36x2 | 27 | 46 | |
| | | 100222 | 30 | 42x2 | 29 | 50 | |
| | | 100223 | 38 | 52x2 | 32,5 | 60 | |

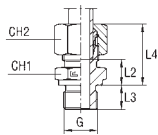
PRZYŁĄCZE PROSTE Z GWINTEM BSP

MALE STUD COUPLING - THREAD BSP PARALLEL

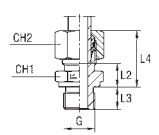
1003...1
Korpus (Only Body)



1003...
B3 Pierścień (Ring)



1003...4
B4 Pierścień (Ring)



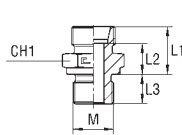
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring)* | |
|----------------|-----------------|---|--|-----------------|-----|-------|------|------|------|------------|-----|--|------------|
| L | 315 | 100304.1 | 100304 | 6 | 1/8 | 15,5 | 8,5 | 8 | 23 | 14 | 14 | 100304.4 | |
| | | 100305.1 | 100305 | 8 | 1/4 | 17 | 10 | 12 | 25 | 19 | 17 | 100305.4 | |
| | | 100306.1 | 100306 | 10 | 1/4 | 18 | 11 | 12 | 26 | 19 | 19 | 100306.4 | |
| | S | 630 | 100307.1 | 100307 | 12 | 3/8 | 19,5 | 12,5 | 12 | 27 | 22 | 22 | 100307.4 |
| | | | 100308.1 | 100308 | 15 | 1/2 | 21 | 14 | 14 | 29 | 27 | 27 | 100308.4 |
| | | | 100309.1 | 100309 | 18 | 1/2 | 22 | 14,5 | 14 | 31 | 27 | 32 | 100309.4 |
| | | | 100310.1 | 100310 | 22 | 3/4 | 24 | 16,5 | 16 | 33 | 32 | 36 | 100310.4 |
| | | | 100311.1 | 100311 | 28 | 1 | 25 | 17,5 | 18 | 34 | 41 | 41 | 100311.4 |
| | | | 100312.1 | 100312 | 35 | 1 1/4 | 28 | 17,5 | 20 | 39 | 50 | 50 | 100312.4 |
| | | | 100313.1 | 100313 | 42 | 1 1/2 | 30 | 19 | 22 | 42 | 55 | 60 | 100313.4 |
| L | 315 | 100324.1** | 100324** | 6 | 1/4 | 17 | 10 | 12 | 24,5 | 19 | 14 | 100324.4** | |
| | | 100325.1** | 100325** | 8 | 1/8 | 16,5 | 9,5 | 8 | 24,5 | 14 | 17 | 100325.4** | |
| | | 100326.1** | 100326** | 8 | 3/8 | 18,5 | 11,5 | 12 | 26,5 | 22 | 17 | 100326.4** | |
| | S | 630 | 100327.1** | 100327** | 8 | 1/2 | 19 | 12 | 14 | 27 | 27 | 17 | 100327.4** |
| | | | 100328.1** | 100328** | 10 | 1/8 | 17,5 | 10,5 | 8 | 25,5 | 17 | 19 | 100328.4** |
| | | | 100329.1** | 100329** | 10 | 3/8 | 19,5 | 12,5 | 12 | 27,5 | 22 | 19 | 100329.4** |
| | | | 100330.1** | 100330** | 10 | 1/2 | 20 | 13 | 14 | 28 | 27 | 19 | 100330.4** |
| | | | 100331.1** | 100331** | 12 | 1/4 | 19 | 12 | 12 | 26,5 | 19 | 22 | 100331.4** |
| | | | 100332.1** | 100332** | 12 | 1/2 | 20 | 13 | 14 | 27,5 | 22 | 22 | 100332.4** |
| | | | 100333.1** | 100333** | 15 | 3/8 | 20,5 | 13,5 | 12 | 28,5 | 24 | 27 | 100333.4** |
| L | 315 | 100334.1** | 100334** | 18 | 3/4 | 22 | 14,5 | 16 | 31 | 32 | 32 | 100334.4** | |
| | | 100335.1** | 100335** | 12 | 1/2 | 25 | 17,5 | 14 | 33,5 | 27 | 24 | 100335.4** | |
| | | 100336.1** | 100336** | 14 | 3/8 | 26,5 | 18,5 | 12 | 36,5 | 24 | 27 | 100336.4** | |
| | S | 630 | 100337.1** | 100337** | 16 | 3/8 | 26,5 | 18 | 12 | 36,5 | 27 | 30 | 100337.4** |
| | | | 100338.1** | 100338** | 20 | 1/2 | 31 | 20,5 | 14 | 42 | 32 | 36 | 100338.4** |
| | | | 100339.1** | 100339** | 25 | 3/4 | 35 | 23 | 16 | 47 | 41 | 46 | 100339.4** |
| | | | 100340.1** | 100340** | 30 | 1 | 37 | 23,5 | 18 | 50 | 46 | 50 | 100340.4** |
| | | | 100341.1** | 100341** | 8 | 3/8 | 22,5 | 15,5 | 12 | 30,5 | 22 | 19 | 100341.4** |
| | | | 100342.1** | 100342** | 10 | 1/4 | 22 | 14,5 | 12 | 30,5 | 19 | 22 | 100342.4** |
| | | | 100343.1** | 100343** | 10 | 1/2 | 25 | 17,5 | 14 | 33,5 | 27 | 22 | 100343.4** |
| L | 315 | 100344.1** | 100344** | 12 | 1/4 | 24 | 16,5 | 12 | 32,5 | 22 | 24 | 100344.4** | |
| | | 100345.1** | 100345** | 16 | 3/4 | 29 | 20,5 | 16 | 39 | 32 | 30 | 100345.4** | |
| | | 100346.1** | 100346** | 20 | 1/4 | 33 | 22,5 | 18 | 44 | 41 | 36 | 100346.4** | |
| | S | 630 | 100347.1** | 100347** | 38 | 1 1/4 | 42 | 26 | 20 | 57 | 55 | 60 | 100347.4** |
| | | | 100348.1** | 100348** | 15 | 3/4 | 22 | 15 | 16 | 30 | 32 | 27 | 100348.4** |
| | | | 100349.1** | 100349** | 22 | 1/2 | 24 | 16,5 | 14 | 33 | 32 | 36 | 100349.4** |
| | | | 100350.1** | 100350** | 22 | 1 | 25 | 17,5 | 18 | 34 | 41 | 36 | 100350.4** |
| | | | 100351.1** | 100351** | 28 | 3/4 | 25 | 17,5 | 16 | 34 | 41 | 41 | 100351.4** |
| | | | 100352.1** | 100352** | 35 | 1 | 28 | 17,5 | 18 | 39 | 46 | 50 | 100352.4** |
| | | | 100353.1** | 100353** | 6 | 3/8 | 18,5 | 11,5 | 12 | 26 | 22 | 14 | 100353.4** |
| 100354.1** | 100354** | 42 | 1 1/4 | 30 | 19 | 20 | 42 | 55 | 60 | 100354.4** | | | |

Uwaga: inne rozmiary przyłącza dostępne na zapytanie.
Attention: other sizes available upon request.

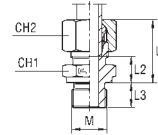
PRZYŁĄCZE PROSTE Z GWINTEM METRYCZNYM

MALE STUD COUPLING - THREAD METRIC PARALLEL

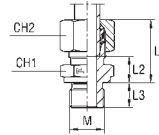
1004...1
Korpus (Only Body)



1004...
B3 Pierścień (Ring)



1004...4
B4 Pierścień (Ring)



| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | M | L1 | L2 | L3 | L4 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring)* | |
|----------------|-----------------|---|--|-----------------|--------|--------|------|------|------|------|-----|--|------------|
| L | 315 | 100404.1 | 100404 | 6 | 10x1 | 15,5 | 8,5 | 8 | 23 | 14 | 14 | 100404.4 | |
| | | 100405.1 | 100405 | 8 | 12x1,5 | 17 | 10 | 12 | 25 | 17 | 17 | 100405.4 | |
| | | 100406.1 | 100406 | 10 | 14x1,5 | 18 | 11 | 12 | 26 | 19 | 19 | 100406.4 | |
| | S | 630 | 100407.1 | 100407 | 12 | 16x1,5 | 19,5 | 12,5 | 12 | 27 | 22 | 22 | 100407.4 |
| | | | 100408.1 | 100408 | 15 | 18x1,5 | 20,5 | 13,5 | 12 | 29 | 24 | 27 | 100408.4 |
| | | | 100409.1 | 100409 | 18 | 22x1,5 | 22 | 14,5 | 14 | 31 | 27 | 32 | 100409.4 |
| | | | 100410.1 | 100410 | 22 | 26x1,5 | 24 | 16,5 | 16 | 33 | 32 | 36 | 100410.4 |
| | | | 100411.1 | 100411 | 28 | 33x2 | 25 | 17,5 | 18 | 34 | 41 | 41 | 100411.4 |
| | | | 100412.1 | 100412 | 35 | 42x2 | 28 | 17,5 | 20 | 39 | 50 | 50 | 100412.4 |
| | | | 100413.1 | 100413 | 42 | 48x2 | 30 | 19 | 22 | 42 | 55 | 60 | 100413.4 |
| L | 315 | 100424.1** | 100424** | 6 | 12x1,5 | 20 | 13 | 12 | 28 | 17 | 17 | 100424.4** | |
| | | 100425.1** | 100425** | 8 | 14x1,5 | 22 | 15 | 12 | 30 | 19 | 19 | 100425.4** | |
| | | 100426.1** | 100426** | 10 | 16x1,5 | 19,5 | 12,5 | 12 | 27,5 | 22 | 19 | 100426.4** | |
| | S | 630 | 100427.1** | 100427** | 10 | 18x1,5 | 19,5 | 12,5 | 12 | 27,5 | 24 | 19 | 100427.4** |
| | | | 100428.1** | 100428** | 10 | 22x1,5 | 21 | 14 | 14 | 29 | 27 | 19 | 100428.4** |
| | | | 100429.1** | 100429** | 12 | 14x1,5 | 19,5 | 12,5 | 12 | 27 | 19 | 22 | 100429.4** |
| | | | 100430.1** | 100430** | 12 | 18x1,5 | 19,5 | 12,5 | 12 | 27 | 24 | 22 | 100430.4** |
| | | | 100431.1** | 100431** | 12 | 22x1,5 | 21 | 14 | 14 | 28,5 | 27 | 22 | 100431.4** |
| | | | 100432.1** | 100432** | 15 | 16x1,5 | 20 | 13 | 12 | 28 | 24 | 27 | 100432.4** |
| | | | 100433.1** | 100433** | 15 | 22x1,5 | 22 | 15 | 14 | 30 | 27 | 27 | 100433.4** |
| L | 315 | 100434.1** | 100434** | 18 | 18x1,5 | 21,5 | 14 | 12 | 30,5 | 27 | 32 | 100434.4** | |
| | | 100435.1** | 100435** | 22 | 22x1,5 | 24 | 16,5 | 14 | 33 | 32 | 36 | 100435.4** | |
| | | 100436.1** | 100436** | 12 | 22x1,5 | 25 | 17,5 | 14 | 33,5 | 27 | 24 | 100436.4** | |
| | S | 630 | 100437.1** | 100437** | 16 | 18x1,5 | 26,5 | 18 | 12 | 36,5 | 27 | 30 | 100437.4** |
| | | | 100438.1** | 100438** | 20 | 22x1,5 | 31 | 20,5 | 14 | 42 | 32 | 36 | 100438.4** |
| | | | 100439.1** | 100439** | 25 | 27x2 | 35 | 23 | 16 | 47 | 41 | 46 | 100439.4** |
| | | | 100440.1** | 100440** | 30 | 33x2 | 37 | 23,5 | 18 | 50 | 46 | 50 | 100440.4** |
| | | | 100441.1** | 100441** | 8 | 10x1 | 16,5 | 8,5 | 8 | 24,5 | 14 | 17 | 100441.4** |

** Elementy dostępne wyłącznie na zamówienie
(Articles available on request only)

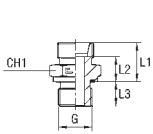
Uwaga: inne rozmiary przyłącza dostępne na zapytanie.
Attention: other sizes available upon request.

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 10.. na 11.. np. 108601 na 118601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 10.. to 11.. ex. 108601 to 1186

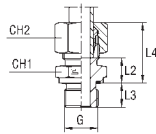
PRZYŁĄCZE PROSTE Z GWINTEM BSP Z USZCZELNIENIEM ELASTOMEROWYM

MALE STUD COUPLING WITH ELASTOMER SEAL - THREAD BSP PARALLEL

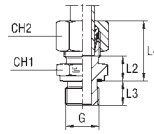
1005...1
Korpus (Only Body)



1005...
B3 Pierścień (Ring)



1005...4
B4 Pierścień (Ring)



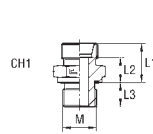
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body*) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring) | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring*) | |
|----------------|-----------------|---|---|-----------------|-------|-------|------|------|------|-----|-----|--|----------|
| LL | 100 | 100501.1 | 100501 | 4 | 1/8 | 13,5 | 9,5 | 8 | 20 | 14 | 10 | - | |
| | | 100502.1 | 100502 | 6 | 1/8 | 13,5 | 8 | 8 | 20 | 14 | 12 | - | |
| | | 100503.1 | 100503 | 8 | 1/8 | 14,5 | 9 | 8 | 21 | 14 | 14 | - | |
| | | 100504.1 | 100504 | 6 | 1/8 | 15,5 | 8,5 | 8 | 23 | 14 | 14 | 100504.4 | |
| | | 100505.1 | 100505 | 8 | 1/4 | 17 | 10 | 12 | 25 | 19 | 17 | 100505.4 | |
| | | 100506.1 | 100506 | 10 | 1/4 | 18 | 11 | 12 | 26 | 19 | 19 | 100506.4 | |
| | L | 315 | 100507.1 | 100507 | 12 | 3/8 | 19,5 | 12,5 | 12 | 27 | 22 | 22 | 100507.4 |
| | | | 100508.1 | 100508 | 15 | 1/2 | 21 | 14 | 14 | 29 | 27 | 27 | 100508.4 |
| | | | 100509.1 | 100509 | 18 | 1/2 | 22 | 14,5 | 14 | 31 | 27 | 32 | 100509.4 |
| | | 160 | 100510.1 | 100510 | 22 | 3/4 | 24 | 16,5 | 16 | 33 | 32 | 36 | 100510.4 |
| | | | 100511.1 | 100511 | 28 | 1 | 25 | 17,5 | 18 | 34 | 41 | 41 | 100511.4 |
| | | | 100512.1 | 100512 | 35 | 1 1/4 | 28 | 17,5 | 20 | 39 | 50 | 50 | 100512.4 |
| S | 400 | 100513.1 | 100513 | 42 | 1 1/2 | 30 | 19 | 22 | 42 | 55 | 60 | 100513.4 | |
| | | 100514.1 | 100514 | 6 | 1/4 | 20 | 13 | 12 | 28 | 19 | 17 | 100514.4 | |
| | | 100515.1 | 100515 | 8 | 1/4 | 22 | 15 | 12 | 30 | 19 | 19 | 100515.4 | |
| | | 100516.1 | 100516 | 10 | 3/8 | 22,5 | 15 | 12 | 31 | 22 | 22 | 100516.4 | |
| | | 100517.1 | 100517 | 12 | 3/8 | 24,5 | 17 | 12 | 33 | 22 | 24 | 100517.4 | |
| | | 100518.1 | 100518 | 14 | 1/2 | 27 | 19 | 14 | 37 | 27 | 27 | 100518.4 | |
| | 315 | 100519.1 | 100519 | 16 | 1/2 | 27 | 18,5 | 14 | 37 | 27 | 30 | 100519.4 | |
| | | 100520.1 | 100520 | 20 | 3/4 | 31 | 20,5 | 16 | 42 | 32 | 36 | 100520.4 | |
| | | 100521.1 | 100521 | 25 | 1 | 35 | 23 | 18 | 47 | 41 | 46 | 100521.4 | |
| | | 100522.1 | 100522 | 30 | 1 1/4 | 37 | 23,5 | 20 | 50 | 50 | 50 | 100522.4 | |
| | | 100523.1 | 100523 | 38 | 1 1/2 | 42 | 26 | 22 | 57 | 55 | 60 | 100523.4 | |
| | | 100524.1 | 100524 | 6 | 1/4 | 17 | 10 | 12 | 24,5 | 19 | 14 | 100524.4 | |
| L | 315 | 100525.1 | 100525 | 8 | 1/8 | 16,5 | 9,5 | 8 | 24,5 | 14 | 17 | 100525.4 | |
| | | 100526.1 | 100526 | 8 | 3/8 | 18,5 | 11,5 | 12 | 26,5 | 22 | 17 | 100526.4 | |
| | | 100527.1 | 100527 | 8 | 1/2 | 19 | 12 | 14 | 27 | 27 | 17 | 100527.4 | |
| | | 100528.1 | 100528 | 10 | 1/8 | 17,5 | 10,5 | 8 | 25,5 | 17 | 19 | 100528.4 | |
| | | 100529.1 | 100529 | 10 | 3/8 | 19,5 | 12,5 | 12 | 27,5 | 22 | 19 | 100529.4 | |
| | | 100530.1 | 100530 | 10 | 1/2 | 20 | 13 | 14 | 28 | 27 | 19 | 100530.4 | |
| | 630 | 100531.1 | 100531 | 12 | 1/4 | 19 | 12 | 12 | 26,5 | 19 | 22 | 100531.4 | |
| | | 100532.1 | 100532 | 12 | 1/2 | 20 | 13 | 14 | 27,5 | 27 | 22 | 100532.4 | |
| | | 100533.1 | 100533 | 15 | 3/8 | 20,5 | 13,5 | 12 | 28,5 | 24 | 27 | 100533.4 | |
| | | 100534.1 | 100534 | 18 | 3/4 | 22 | 14,5 | 16 | 31 | 32 | 32 | 100534.4 | |
| | | 100535.1 | 100535 | 12 | 1/2 | 25 | 17,5 | 14 | 33,5 | 27 | 24 | 100535.4 | |
| | | 100536.1 | 100536 | 14 | 3/8 | 26,5 | 18,5 | 12 | 36,5 | 24 | 27 | 100536.4 | |
| S | 400 | 100537.1 | 100537 | 16 | 3/8 | 26,5 | 18 | 12 | 36,5 | 27 | 30 | 100537.4 | |
| | | 100538.1 | 100538 | 20 | 1/2 | 31 | 20,5 | 14 | 42 | 32 | 36 | 100538.4 | |
| | | 100539.1 | 100539 | 25 | 3/4 | 35 | 23 | 16 | 47 | 41 | 46 | 100539.4 | |
| | | 100540.1 | 100540 | 30 | 1 | 37 | 23,5 | 18 | 50 | 46 | 50 | 100540.4 | |
| | | 100541.1 | 100541 | 8 | 3/8 | 22,5 | 15,5 | 12 | 30,5 | 22 | 19 | 100541.4 | |
| | | 100542.1 | 100542 | 10 | 1/4 | 22 | 14,5 | 12 | 30,5 | 19 | 22 | 100542.4 | |
| | 630 | 100543.1 | 100543 | 10 | 1/2 | 25 | 17,5 | 14 | 33,5 | 27 | 22 | 100543.4 | |
| | | 100544.1 | 100544 | 12 | 1/4 | 24 | 16,5 | 12 | 32,5 | 22 | 24 | 100544.4 | |
| | | 100545.1 | 100545 | 16 | 3/4 | 29 | 20,5 | 16 | 39 | 32 | 30 | 100545.4 | |
| | | 100546.1 | 100546 | 20 | 1 | 33 | 22,5 | 18 | 44 | 41 | 36 | 100546.4 | |
| | | 100547.1 | 100547 | 38 | 1 1/4 | 42 | 26 | 20 | 57 | 55 | 60 | 100547.4 | |
| | | 100548.1 | 100548 | 15 | 3/4 | 22 | 15 | 16 | 30 | 32 | 27 | 100548.4 | |
| L | 315 | 100549.1 | 100549 | 22 | 1/2 | 24 | 16,5 | 14 | 33 | 32 | 36 | 100549.4 | |
| | | 100550.1 | 100550 | 22 | 1 | 25 | 17,5 | 18 | 34 | 41 | 36 | 100550.4 | |
| | | 100551.1 | 100551 | 28 | 3/4 | 25 | 17,5 | 16 | 34 | 41 | 41 | 100551.4 | |
| | 160 | 100552.1 | 100552 | 35 | 1 | 28 | 17,5 | 18 | 39 | 46 | 50 | 100552.4 | |
| | | 100553.1 | 100553 | 6 | 3/8 | 18,5 | 11,5 | 12 | 26 | 22 | 14 | 100553.4 | |
| | | 100554.1 | 100554 | 42 | 1 1/4 | 30 | 19 | 20 | 42 | 55 | 60 | 100554.4 | |

Uwaga: inne rozmiary przyłącza dostępne na zapytanie.
Attention: other sizes available upon request.

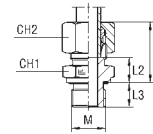
PRZYŁĄCZE PROSTE Z GWINTEM METRYCZNYM Z USZCZELNIENIEM ELASTOMEROWYM

MALE STUD COUPLING WITH ELASTOMER SEAL - THREAD METRIC PARALLEL

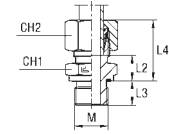
1006...1
Korpus (Only Body)



1006...
B3 Pierścień (Ring)



1006...4
B4 Pierścień (Ring)



| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body*) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring) | Ø Rury (Ø Tube) | M | L1 | L2 | L3 | L4 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring*) | |
|----------------|-----------------|---|---|-----------------|--------|--------|--------|------|------|-----|----------|--|----------|
| LL | 100 | 100601.1 | 100601 | 4 | 8x1 | 13,5 | 9,5 | 8 | 20 | 12 | 10 | - | |
| | | 100602.1 | 100602 | 6 | 10x1 | 13,5 | 8 | 8 | 20 | 14 | 12 | - | |
| | | 100603.1 | 100603 | 8 | 10x1 | 14,5 | 9 | 8 | 21 | 14 | 14 | - | |
| | | 100604.1 | 100604 | 6 | 10x1 | 15,5 | 8,5 | 8 | 23 | 14 | 14 | 100604.4 | |
| | | 100605.1 | 100605 | 8 | 12x1,5 | 17 | 10 | 12 | 25 | 17 | 17 | 100605.4 | |
| | | 100606.1 | 100606 | 10 | 14x1,5 | 18 | 11 | 12 | 26 | 19 | 19 | 100606.4 | |
| | L | 315 | 100607.1 | 100607 | 12 | 16x1,5 | 19,5 | 12,5 | 12 | 27 | 22 | 22 | 100607.4 |
| | | | 100608.1 | 100608 | 15 | 18x1,5 | 20,5 | 13,5 | 12 | 29 | 24 | 27 | 100608.4 |
| | | | 100609.1 | 100609 | 18 | 22x1,5 | 22 | 14,5 | 14 | 31 | 27 | 32 | 100609.4 |
| | | 160 | 100610.1 | 100610 | 22 | 26x1,5 | 24 | 16,5 | 16 | 33 | 32 | 36 | 100610.4 |
| | | | 100611.1 | 100611 | 28 | 33x2 | 25 | 17,5 | 18 | 34 | 41 | 41 | 100611.4 |
| | | | 100612.1 | 100612 | 35 | 42x2 | 28 | 17,5 | 20 | 39 | 50 | 50 | 100612.4 |
| S | 400 | 100613.1 | 100613 | 42 | 48x2 | 30 | 19 | 22 | 42 | 55 | 60 | 100613.4 | |
| | | 100614.1 | 100614 | 6 | 12x1,5 | 20 | 13 | 12 | 28 | 17 | 17 | 100614.4 | |
| | | 100615.1 | 100615 | 8 | 14x1,5 | 22 | 15 | 12 | 30 | 19 | 19 | 100615.4 | |
| | | 100616.1 | 100616 | 10 | 16x1,5 | 22,5 | 15 | 12 | 31 | 22 | 22 | 100616.4 | |
| | | 100617.1 | 100617 | 12 | 18x1,5 | 24,5 | 17 | 12 | 33 | 24 | 24 | 100617.4 | |
| | | 100618.1 | 100618 | 14 | 20x1,5 | 27 | 19 | 14 | 37 | 27 | 27 | 100618.4 | |
| | 315 | 100619.1 | 100619 | 16 | 22x1,5 | 27 | 18,5 | 14 | 37 | 27 | 30 | 100619.4 | |
| | | 100620.1 | 100620 | 20 | 27x2 | 31 | 20,5 | 16 | 42 | 32 | 36 | 100620.4 | |
| | | 100621.1 | 100621 | 25 | 33x2 | 35 | 23 | 18 | 47 | 41 | 46 | 100621.4 | |
| | | 100622.1 | 100622 | 30 | 42x2 | 37 | 23,5 | 20 | 50 | 50 | 50 | 100622.4 | |
| | | 100623.1 | 100623 | 38 | 48x2 | 42 | 26 | 22 | 57 | 55 | 60 | 100623.4 | |
| | | 100624.1 | 100624 | 8 | 18x1,5 | 18,5 | 11,5 | 12 | 26,5 | 24 | 17 | 100624.4 | |
| L | 315 | 100625.1 | 100625 | 10 | 16x1,5 | 19,5 | 12,5 | 12 | 27,5 | 22 | 19 | 100625.4 | |
| | | 100626.1 | 100626 | 10 | 16x1,5 | 19,5 | 12,5 | 12 | 27,5 | 22 | 19 | 100626.4 | |
| | | 100627.1 | 100627 | 10 | 18x1,5 | 19,5 | 12,5 | 12 | 27,5 | 24 | 19 | 100627.4 | |
| | | 100628.1 | 100628 | 10 | 22x1,5 | 21 | 14 | 14 | 29 | 27 | 19 | 100628.4 | |
| | | 100629.1 | 100629 | 12 | 14x1,5 | 19,5 | 12,5 | 12 | 27 | 19 | 22 | 100629.4 | |
| | | 100630.1 | 100630 | 12 | 18x1,5 | 19,5 | 12,5 | 12 | 27 | 24 | 22 | 100630.4 | |
| | 630 | 100631.1 | 100631 | 12 | 22x1,5 | 21 | 14 | 14 | 28,5 | 27 | 22 | 100631.4 | |
| | | 100632.1 | 100632 | 15 | 16x1,5 | 20 | 13 | 12 | 28 | 24 | 27 | 100632.4 | |
| | | 100633.1 | 100633 | 15 | 22x1,5 | 22 | 15 | 14 | 30 | 27 | 27 | 100633.4 | |
| | | 100634.1 | 100634 | 18 | 18x1,5 | 21,5 | 14 | 12 | 30,5 | 27 | 32 | 100634.4 | |
| | | 100635.1 | 100635 | 22 | 22x1,5 | 24 | 16,5 | 14 | 33 | 32 | 36 | 100635.4 | |
| | | S | 400 | 100636.1 | 100636 | 12 | 22x1,5 | 25 | 17,5 | 14 | 33,5 | 27 | 24 |
| 100637.1 | 100637 | | | 16 | 18x1,5 | 26,5 | 18 | 12 | 36,5 | 27 | 30 | 100637.4 | |
| 100638.1 | 100638 | | | 20 | 22x1,5 | 31 | 20,5 | 14 | 42 | 32 | 36 | 100638.4 | |
| 100639.1 | 100639 | | 25 | 27x2 | 35 | 23 | 16 | 47 | 41 | 46 | 100639.4 | | |
| 100640.1 | 100640 | | 30 | 33x2 | 37 | 23,5 | 18 | 50 | 46 | 50 | 100640.4 | | |
| 100641.1 | 100641 | | 8 | 10x1 | 16,5 | 8,5 | 8 | 24,5 | 14 | 17 | 100641.4 | | |

Uwaga: inne rozmiary przyłącza dostępne na zapytanie.
Attention: other sizes available upon request.

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 10.. na 11.. np. 108601 na 118601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 10.. to 11.. ex. 108601 to 118601

DIN 2353

PRZYŁĄCZE PROSTE Z GWINTEM WEWNĘTRZNYM BSP LUB METRYCZNYM

FEMALE STUD COUPLING - INTERNAL THREAD BSP PARALLEL - THREAD METRIC PARALLEL

1007...1
Korpus (Only Body)

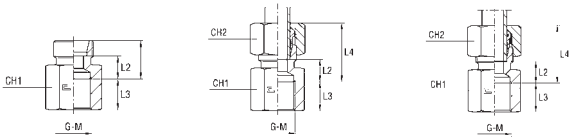
1007...
B3 Pierścień (Ring)

1007...4
B4 Pierścień (Ring)

1008...1
Korpus (Only Body)

1008...
B3 Pierścień (Ring)

1008...4
B4 Pierścień (Ring)



| Seria (Series) | Cisnienie (Bar) | Kod zamówienia korpusu (Ordering Body*) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring*) | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring*) |
|----------------|-----------------|---|--|-----------------|--------|------|------|------|------|-----|-----|--|
| L | 315 | 100704.1 | 100704 | 6 | 1/8 | 16 | 9 | 10 | 23,5 | 14 | 14 | 100704.4 |
| | | 100705.1 | 100705 | 9 | 1/4 | 17 | 14 | 14 | 25 | 19 | 17 | 100705.4 |
| | | 100706.1 | 100706 | 10 | 1/4 | 18 | 11 | 14 | 26 | 19 | 19 | 100706.4 |
| | | 100707.1 | 100707 | 12 | 3/8 | 19 | 12 | 14 | 26,5 | 24 | 22 | 100707.4 |
| | | 100708.1 | 100708 | 15 | 1/2 | 21 | 14 | 17 | 29 | 27 | 27 | 100708.4 |
| | 160 | 100709.1 | 100709 | 18 | 1/2 | 21 | 13,5 | 17 | 30 | 27 | 32 | 100709.4 |
| | | 100710.1 | 100710 | 22 | 3/4 | 24 | 16,5 | 19 | 33 | 36 | 36 | 100710.4 |
| | | 100711.1 | 100711 | 28 | 1 | 23,5 | 16 | 21,5 | 32,5 | 41 | 41 | 100711.4 |
| | | 100712.1 | 100712 | 35 | 1 1/4 | 28,5 | 18 | 23,5 | 39,5 | 55 | 50 | 100712.4 |
| | | 100713.1 | 100713 | 42 | 1 1/2 | 28,5 | 17,5 | 29,5 | 40,5 | 60 | 60 | 100713.4 |
| S | 630 | 100714.1 | 100714 | 6 | 1/4 | 19 | 12 | 14 | 27 | 19 | 17 | 100714.4 |
| | | 100715.1 | 100715 | 8 | 1/4 | 19 | 12 | 14 | 27 | 19 | 19 | 100715.4 |
| | | 100716.1 | 100716 | 10 | 3/8 | 20 | 12,5 | 14 | 28,5 | 24 | 22 | 100716.4 |
| | | 100717.1 | 100717 | 12 | 3/8 | 20 | 12,5 | 14 | 28,5 | 24 | 24 | 100717.4 |
| | | 100718.1 | 100718 | 14 | 1/2 | 23 | 15 | 17 | 33 | 30 | 27 | 100718.4 |
| | 400 | 100719.1 | 100719 | 16 | 1/2 | 23 | 14,5 | 17 | 33 | 30 | 30 | 100719.4 |
| | | 100720.1 | 100720 | 20 | 3/4 | 26 | 15,5 | 19 | 37 | 36 | 36 | 100720.4 |
| | | 100721.1 | 100721 | 25 | 1 | 27,5 | 15,5 | 21,5 | 39,5 | 41 | 46 | 100721.4 |
| | | 100722.1 | 100722 | 30 | 1 1/4 | 32,5 | 19 | 23,5 | 45,5 | 55 | 50 | 100722.4 |
| | | 100723.1 | 100723 | 38 | 1 1/2 | 34,5 | 18,5 | 25,5 | 49,5 | 60 | 60 | 100723.4 |
| L | 315 | 100804.1 | 100804 | 6 | 10x1 | 16 | 9 | 10 | 23,5 | 14 | 14 | 100804.4 |
| | | 100805.1 | 100805 | 8 | 12x1,5 | 16,5 | 9,5 | 14,5 | 24,5 | 17 | 17 | 100805.4 |
| | | 100806.1 | 100806 | 10 | 14x1,5 | 17,5 | 10,5 | 14,5 | 25,5 | 19 | 19 | 100806.4 |
| | | 100807.1 | 100807 | 12 | 18x1,5 | 18,5 | 11,5 | 14,5 | 26,5 | 19 | 19 | 100807.4 |
| | | 100808.1 | 100808 | 15 | 18x1,5 | 23,5 | 16,5 | 14,5 | 31,5 | 24 | 27 | 100808.4 |
| | 160 | 100809.1 | 100809 | 18 | 22x1,5 | 21,5 | 14 | 16,5 | 30,5 | 30 | 32 | 100809.4 |
| | | 100810.1 | 100810 | 22 | 26x1,5 | 23,5 | 16 | 18,5 | 32,5 | 32 | 36 | 100810.4 |
| | | 100811.1 | 100811 | 28 | 33x2 | 24 | 16,5 | 21 | 33 | 41 | 41 | 100811.4 |
| | | 100812.1 | 100812 | 35 | 42x2 | 28 | 17,5 | 23 | 39 | 55 | 50 | 100812.4 |
| | | 100813.1 | 100813 | 42 | 48x2 | 29 | 18 | 25 | 41 | 60 | 60 | 100813.4 |
| S | 630 | 100814.1 | 100814 | 6 | 12x1,5 | 18,5 | 11,5 | 14,5 | 26,5 | 17 | 17 | 100814.4 |
| | | 100815.1 | 100815 | 9 | 14x1,5 | 19,5 | 11,5 | 14,5 | 26,5 | 19 | 19 | 100815.4 |
| | | 100816.1 | 100816 | 10 | 18x1,5 | 19,5 | 12 | 14,5 | 28 | 22 | 22 | 100816.4 |
| | | 100817.1 | 100817 | 12 | 18x1,5 | 19,5 | 12 | 14,5 | 28 | 24 | 24 | 100817.4 |
| | | 100818.1 | 100818 | 14 | 20x1,5 | 23,5 | 15,5 | 16,5 | 33,5 | 27 | 27 | 100818.4 |
| | 400 | 100819.1 | 100819 | 16 | 22x1,5 | 23,5 | 15,5 | 16,5 | 33,5 | 30 | 30 | 100819.4 |
| | | 100820.1 | 100820 | 20 | 27x2 | 26 | 15,5 | 19 | 37 | 36 | 36 | 100820.4 |
| | | 100821.1 | 100821 | 25 | 33x2 | 28 | 16 | 21 | 40 | 41 | 46 | 100821.4 |
| | | 100822.1 | 100822 | 30 | 42x2 | 33 | 19,5 | 23 | 46 | 55 | 50 | 100822.4 |
| | | 100823.1 | 100823 | 38 | 48x2 | 35 | 19 | 25 | 50 | 60 | 60 | 100823.4 |

Uwaga: inne rozmiary przyłącza dostępne na zapytanie.
Attention: other sizes available upon request.

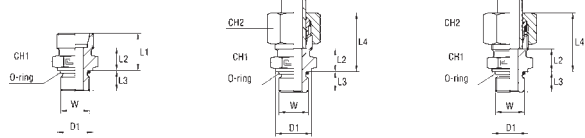
PRZYŁĄCZE PROSTE Z GWINTEM UNF/UN-2A Z USZCZELNIENIEM TYPU O-RING

MALE STUD COUPLING WITH O-RING - THREAD UNF/UN-2A

1009...1
Korpus (Only Body)

1009...
B3 Pierścień (Ring)

1009...4
B4 Pierścień (Ring)



| Seria (Series) | Cisnienie (Bar) | Kod zamówienia korpusu (Ordering Body*) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring*) | Ø Rury (Ø Tube) | W | D1 | L1 | L2 | L3 | L4 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring*) |
|----------------|-----------------|---|--|-----------------|----------|------|------|------|------|------|-----|-----|--|
| L | 315 | 100904.1 | 100904 | 6 | 7/16-20 | 13,8 | 16,9 | 9,9 | 9,1 | 24,5 | 14 | 14 | 100904.4 |
| | | 100905.1 | 100905 | 8 | 1/2-20 | 16,8 | 16,9 | 9,9 | 9,1 | 25 | 17 | 17 | 100905.4 |
| | | 100906.1 | 100906 | 10 | 1/2-20 | 16,8 | 17,9 | 10,9 | 9,1 | 26 | 17 | 19 | 100906.4 |
| | | 100907.1 | 100907 | 12 | 9/16-18 | 18,8 | 18 | 11 | 10 | 25,5 | 19 | 22 | 100907.4 |
| | | 100908.1 | 100908 | 15 | 3/4-16 | 21,8 | 20,9 | 13,9 | 11,1 | 29 | 24 | 27 | 100908.4 |
| | 160 | 100909.1 | 100909 | 18 | 3/4-16 | 21,8 | 21,9 | 14,4 | 11,1 | 31 | 27 | 32 | 100909.4 |
| | | 100910.1 | 100910 | 22 | 1 1/8-12 | 31,8 | 23,9 | 16,4 | 15,1 | 34 | 32 | 36 | 100910.4 |
| | | 100911.1 | 100911 | 28 | 1 1/8-12 | 40,8 | 24,9 | 17,4 | 15,1 | 34 | 41 | 41 | 100911.4 |
| | | 100912.1 | 100912 | 35 | 1 1/8-12 | 49,8 | 27,9 | 17,4 | 15,1 | 39 | 50 | 50 | 100912.4 |
| | | 100913.1 | 100913 | 42 | 1 1/8-12 | 58,8 | 29,9 | 18,9 | 15,1 | 42 | 55 | 60 | 100913.4 |
| S | 630 | 100914.1 | 100914 | 6 | 1 1/2-20 | 16,8 | 21,9 | 14,9 | 9,1 | 30 | 17 | 17 | 100914.4 |
| | | 100915.1 | 100915 | 8 | 1 1/2-20 | 16,8 | 21,9 | 14,9 | 9,1 | 30 | 17 | 19 | 100915.4 |
| | | 100916.1 | 100916 | 10 | 9/16-18 | 18,8 | 22 | 14,5 | 10 | 30,5 | 19 | 22 | 100916.4 |
| | | 100917.1 | 100917 | 12 | 9/16-18 | 18,8 | 22 | 14,5 | 10 | 30,5 | 22 | 24 | 100917.4 |
| | | 100918.1 | 100918 | 14 | 3/4-16 | 21,8 | 23,9 | 15,9 | 11,1 | 34 | 24 | 27 | 100918.4 |
| | 400 | 100919.1 | 100919 | 16 | 3/4-16 | 21,8 | 23,9 | 15,4 | 11,1 | 34 | 27 | 30 | 100919.4 |
| | | 100920.1 | 100920 | 20 | 1 1/8-12 | 31,8 | 30,9 | 20,4 | 15,1 | 42 | 32 | 36 | 100920.4 |
| | | 100921.1 | 100921 | 25 | 1 1/8-12 | 40,8 | 34,9 | 22,9 | 15,1 | 47 | 41 | 46 | 100921.4 |
| | | 100922.1 | 100922 | 30 | 1 1/8-12 | 49,8 | 36,9 | 23,4 | 15,1 | 50 | 50 | 50 | 100922.4 |
| | | 100923.1 | 100923 | 38 | 1 1/8-12 | 58,8 | 41,9 | 25,9 | 15,1 | 57 | 55 | 60 | 100923.4 |
| L | 315 | 100924.1 | 100924 | 8 | 7/16-20 | 13,8 | 17,9 | 9,9 | 9,1 | 25 | 14 | 17 | 100924.4 |
| | | 100925.1 | 100925 | 10 | 7/16-20 | 13,8 | 16,9 | 9,9 | 9,1 | 26 | 17 | 19 | 100925.4 |
| | | 100926.1 | 100926 | 12 | 3/4-16 | 21,8 | 19,9 | 12,9 | 11,1 | 27,5 | 22 | 22 | 100926.4 |
| | | 100927.1 | 100927 | 12 | 7/8-14 | 26,8 | 21,3 | 14,3 | 12,7 | 29 | 27 | 22 | 100927.4 |
| | | 100928.1 | 100928 | 18 | 7/8-14 | 26,8 | 22,3 | 14,8 | 12,7 | 31,5 | 27 | 32 | 100928.4 |
| | 160 | 100929.1 | 100929 | 22 | 7/8-14 | 26,8 | 24,3 | 16,8 | 12,7 | 33,5 | 32 | 36 | 100929.4 |
| | | 100930.1 | 100930 | 22 | 1 1/8-12 | 40,8 | 24,9 | 17,4 | 15,1 | 34 | 41 | 36 | 100930.4 |
| | | 100931.1 | 100931 | 28 | 1 1/8-12 | 49,8 | 27,9 | 17,4 | 15,1 | 34 | 46 | 41 | 100931.4 |
| | | 100932.1 | 100932 | 35 | 1 1/8-12 | 40,8 | 27,9 | 17,4 | 15,1 | 39 | 46 | 50 | 100932.4 |
| | | 100933.1 | 100933 | 42 | 1 1/8-12 | 49,8 | 29,9 | 18,9 | 15,1 | 42 | 55 | 60 | 100933.4 |
| S | 630 | 100934.1 | 100934 | 8 | 7/16-20 | 13,8 | 21,9 | 14,9 | 9,1 | 30 | 17 | 19 | 100934.4 |
| | | 100935.1 | 100935 | 12 | 3/4-16 | 21,8 | 24,9 | 17,4 | 11,1 | 33,5 | 22 | 24 | 100935.4 |
| | | 100936.1 | 100936 | 16 | 7/8-14 | 26,8 | 27,3 | 18,8 | 12,7 | 37,5 | 27 | 30 | 100936.4 |
| | | 100937.1 | 100937 | 20 | 3/4-16 | 21,8 | 30,9 | 20,4 | 11,1 | 42 | 32 | 36 | 100937.4 |
| | | 100938.1 | 100938 | 20 | 7/8-14 | 26,8 | 31,3 | 20,8 | 12,7 | 42,5 | 32 | 36 | 100938.4 |
| | 400 | 100939.1 | 100939 | 25 | 1 1/8-12 | 31,8 | 34,9 | 22,9 | 15,1 | 47 | 36 | 46 | 100939.4 |
| | | 100940.1 | 100940 | 30 | 1 1/8-12 | 40,8 | 36,9 | 23,4 | 15,1 | 50 | 46 | 50 | 100940.4 |
| | | 100941.1 | 100941 | 38 | 1 1/8-12 | 49,8 | 41,9 | 25,9 | 15,1 | 57 | 55 | 60 | 100941.4 |

Uwaga: inne rozmiary przyłącza dostępne na zapytanie.
Attention: other sizes available upon request.

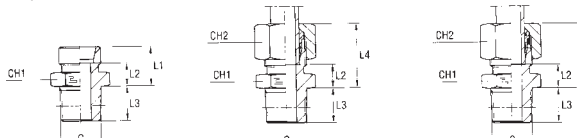
PRZYŁĄCZE PROSTE Z GWINTEM STOŻKOWYM BSPT

MALE STUD COUPLING - THREAD BSP TAPER (KEG)

1017...1
Korpus (Only Body)

1017...
B3 Pierścień (Ring)

1017...4
B4 Pierścień (Ring)

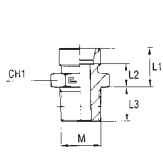


| Seria (Series) | Cisnienie (Bar) | Kod zamówienia korpusu (Ordering Body*) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring*) | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring*) |
|----------------|-----------------|---|--|-----------------|-----|----|-----|----|------|-----|-----|--|
| LL | 100 | 101701.1 | 101701 | 4 | 1/8 | 12 | 8 | 8 | 18,5 | 12 | 10 | - |
| | | 101702.1 | 101702 | 6 | 1/8 | 12 | 8,5 | 8 | 18,5 | 12 | 12 | - |
| | | 101703.1 | 101703 | 8 | 1/8 | 14 | 8,5 | 8 | 20,5 | 12 | 14 | - |
| | | 101704.1 | 101704 | 6 | 1/8 | 14 | 7</ | | | | | |

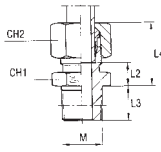
PRZYŁĄCZE PROSTE Z GWINTEM STOŻKOWYM METRYCZNYM

MALE STUD COUPLING - THREAD METRIC TAPER (KEG)

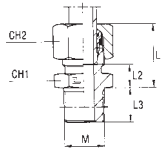
1019...1
Korpus (Only Body)



1019...
B3 Pierścieni (Ring)



1019...4
B4 Pierścieni (Ring)



| Seria (Series) | Cisnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | M | L1 | L2 | L3 | L4 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring)* |
|----------------|-----------------|---|--|-----------------|--------|----|------|----|------|-----|-----|--|
| L | 315 | 101904.1 | 101904 | 6 | 10x1 | 14 | 7 | 8 | 22 | 12 | 14 | 101904.4 |
| | | 101905.1 | 101905 | 8 | 12x1.5 | 15 | 8 | 12 | 23 | 17 | 17 | 101905.4 |
| | | 101906.1 | 101906 | 10 | 14x1.5 | 16 | 9 | 12 | 24 | 17 | 19 | 101906.4 |
| | | 101907.1 | 101907 | 12 | 16x1.5 | 17 | 10 | 12 | 24.5 | 19 | 22 | 101907.4 |
| | | 101908.1 | 101908 | 15 | 18x1.5 | 18 | 11 | 12 | 26 | 24 | 27 | 101908.4 |
| | | 101909.1 | 101909 | 18 | 22x1.5 | 19 | 11.5 | 14 | 28 | 27 | 32 | 101909.4 |
| S | 630 | 101914.1 | 101914 | 6 | 12x1.5 | 18 | 11 | 12 | 26 | 17 | 17 | 101914.4 |
| | | 101915.1 | 101915 | 8 | 14x1.5 | 20 | 13 | 12 | 28 | 17 | 19 | 101915.4 |
| | | 101916.1 | 101916 | 10 | 16x1.5 | 20 | 12.5 | 12 | 28.5 | 19 | 22 | 101916.4 |
| | | 101917.1 | 101917 | 12 | 18x1.5 | 22 | 14.5 | 12 | 30.5 | 22 | 24 | 101917.4 |
| | | 101918.1 | 101918 | 14 | 20x1.5 | 24 | 16 | 14 | 34 | 24 | 27 | 101918.4 |
| | | 101919.1 | 101919 | 16 | 22x1.5 | 24 | 15.5 | 14 | 34 | 27 | 30 | 101919.4 |

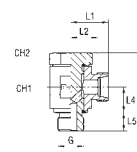
Uwaga: inne rozmiary przyłącza dostępne na zapytanie.

Attention: other sizes available upon request.

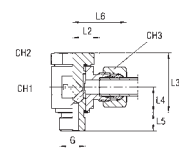
PRZYŁĄCZE KOLANOWE TYPU "BANJO" Z GWINTEM BSP Z USZCZELNIENIEM ELASTOMEROWYM

BANJO COUPLING WITH HOLLOW SCREW AND ELASTOMER SEAL - THREAD BSP PARALLEL

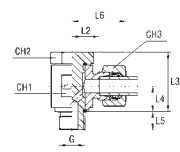
1013...1
Korpus (Only Body)



1013...
B3 Pierścieni (Ring)



1013...4
B4 Pierścieni (Ring)

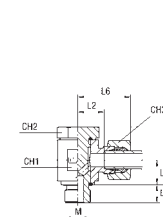


| Seria (Series) | Cisnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | L5 | L6 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring)* | |
|----------------|-----------------|---|--|-----------------|-------|------|------|------|------|------|------|-----|-----|----------|--|----------|
| LL | 100 | 101301.1 | 101301 | 4 | 1/8 | 18 | 14 | 24 | 10.5 | 8 | 24 | 17 | 17 | 10 | - | |
| | | 101302.1 | 101302 | 6 | 1/8 | 18 | 12.5 | 24 | 10.5 | 8 | 24 | 17 | 17 | 10 | - | |
| | | 101303.1 | 101303 | 8 | 1/8 | 19 | 13.5 | 24 | 10.5 | 8 | 25 | 17 | 17 | 14 | - | |
| | | 101304.1 | 101304 | 6 | 1/4 | 21.5 | 14.5 | 32 | 14 | 12 | 29.5 | 22 | 19 | 17 | 14 | 101304.4 |
| | | 101305.1 | 101305 | 8 | 1/4 | 21.5 | 14.5 | 32 | 14 | 12 | 29.5 | 22 | 19 | 17 | 14 | 101305.4 |
| | | 101306.1 | 101306 | 10 | 1/4 | 22.5 | 15.5 | 32 | 14 | 12 | 30.5 | 22 | 19 | 19 | 19 | 101306.4 |
| L | 315 | 101307.1 | 101307 | 12 | 3/8 | 25 | 18 | 38.5 | 16.5 | 12 | 33 | 27 | 24 | 22 | 101307.4 | |
| | | 101308.1 | 101308 | 15 | 1/2 | 29 | 22 | 42 | 21.5 | 14 | 37 | 32 | 30 | 27 | 101308.4 | |
| | | 101309.1 | 101309 | 18 | 1/2 | 29 | 21.5 | 46.5 | 21.5 | 14 | 38 | 32 | 30 | 32 | 101309.4 | |
| | | 101310.1 | 101310 | 22 | 3/4 | 34 | 26.5 | 54 | 24 | 16 | 43 | 41 | 36 | 36 | 101310.4 | |
| | | 101311.1 | 101311 | 28 | 3/4 | 38.5 | 31 | 66.5 | 30.5 | 18 | 47.5 | 50 | 46 | 41 | 101311.4 | |
| | | 101312.1 | 101312 | 35 | 1 1/4 | 45.5 | 35 | 80 | 35.5 | 20 | 56.5 | 60 | 55 | 50 | 101312.4 | |
| S | 630 | 101313.1 | 101313 | 42 | 1 1/2 | 50.5 | 39.5 | 90 | 40.5 | 22 | 62.5 | 70 | 60 | 60 | 101313.4 | |
| | | 101314.1 | 101314 | 6 | 1/4 | 23.5 | 16.5 | 32 | 14 | 12 | 31.5 | 22 | 19 | 17 | 101314.4 | |
| | | 101315.1 | 101315 | 8 | 1/4 | 23.5 | 16.5 | 32 | 14 | 12 | 31.5 | 22 | 19 | 19 | 101315.4 | |
| | | 101316.1 | 101316 | 10 | 3/8 | 26 | 18.5 | 38.5 | 16.5 | 12 | 35 | 27 | 24 | 22 | 101316.4 | |
| | | 101317.1 | 101317 | 12 | 3/8 | 26 | 18.5 | 42 | 16.5 | 12 | 35 | 27 | 24 | 24 | 101317.4 | |
| | | 101318.1 | 101318 | 14 | 1/2 | 31 | 23 | 45 | 21.5 | 14 | 41 | 32 | 30 | 27 | 101318.4 | |
| 400 | 101319.1 | 101319 | 16 | 1/2 | 31 | 22.5 | 46.5 | 21.5 | 14 | 41 | 32 | 30 | 30 | 101319.4 | | |
| | 101320.1 | 101320 | 20 | 3/4 | 36 | 25.5 | 54 | 24 | 16 | 47 | 41 | 36 | 36 | 101320.4 | | |
| | 101321.1 | 101321 | 25 | 1 | 42.5 | 31.5 | 66.5 | 30.5 | 18 | 54.5 | 50 | 46 | 46 | 101321.4 | | |
| | 101322.1 | 101322 | 30 | 1 1/4 | 49.5 | 36 | 80 | 35.5 | 20 | 62.5 | 60 | 55 | 50 | 101322.4 | | |
| | 101323.1 | 101323 | 38 | 1 1/2 | 56.5 | 40.5 | 90 | 40.5 | 22 | 71.5 | 70 | 60 | 60 | 101323.4 | | |

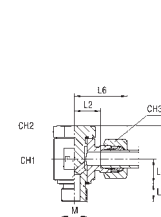
PRZYŁĄCZE KOLANOWE TYPU "BANJO" Z GWINTEM METRYCZNYM Z USZCZELNIENIEM ELASTOMEROWYM

BANJO COUPLING WITH HOLLOW SCREW AND ELASTOMER SEAL - THREAD METRIC PARALLEL

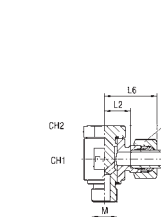
1014...1
Korpus (Only Body)



1014...
B3 Pierścieni (Ring)



1014...4
B4 Pierścieni (Ring)

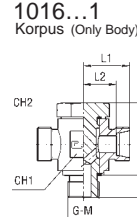


| Seria (Series) | Cisnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | M | L1 | L2 | L3 | L4 | L5 | L6 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring)* |
|----------------|-----------------|---|--|-----------------|--------|------|------|------|------|------|------|-----|-----|----------|--|
| LL | 100 | 101401.1 | 101401 | 4 | 8x1 | 18 | 14 | 24 | 10.5 | 8 | 24 | 17 | 14 | 10 | - |
| | | 101402.1 | 101402 | 6 | 10x1 | 18 | 12.5 | 24 | 10.5 | 8 | 24 | 17 | 17 | 12 | - |
| | | 101403.1 | 101403 | 8 | 10x1 | 19 | 13.5 | 24 | 10.5 | 8 | 25 | 17 | 17 | 14 | - |
| | | 101404.1 | 101404 | 6 | 10x1 | 19 | 12 | 24 | 10.5 | 8 | 27 | 17 | 17 | 14 | 101404.4 |
| | | 101405.1 | 101405 | 8 | 12x1.5 | 21.5 | 14.5 | 32 | 14 | 12 | 29.5 | 22 | 19 | 17 | 101405.4 |
| | | 101406.1 | 101406 | 10 | 14x1.5 | 22.5 | 15.5 | 32 | 14 | 12 | 30.5 | 22 | 19 | 19 | 101406.4 |
| L | 315 | 101407.1 | 101407 | 12 | 16x1.5 | 25 | 18 | 38.5 | 16.5 | 12 | 33 | 27 | 24 | 22 | 101407.4 |
| | | 101408.1 | 101408 | 15 | 18x1.5 | 29 | 22 | 42 | 18.5 | 12 | 37 | 27 | 27 | 27 | 101408.4 |
| | | 101409.1 | 101409 | 18 | 22x1.5 | 29 | 21.5 | 46.5 | 21.5 | 14 | 38 | 32 | 30 | 32 | 101409.4 |
| | | 101410.1 | 101410 | 22 | 26x1.5 | 34 | 26.5 | 54 | 24 | 16 | 43 | 41 | 36 | 36 | 101410.4 |
| | | 101411.1 | 101411 | 28 | 33x2 | 38.5 | 31 | 66.5 | 30.5 | 18 | 47.5 | 50 | 46 | 41 | 101411.4 |
| | | 101412.1 | 101412 | 35 | 42x2 | 45.5 | 35 | 80 | 35.5 | 20 | 56.5 | 60 | 55 | 50 | 101412.4 |
| S | 630 | 101413.1 | 101413 | 42 | 48x2 | 50.5 | 39.5 | 90 | 40.5 | 22 | 62.5 | 70 | 60 | 60 | 101413.4 |
| | | 101414.1 | 101414 | 6 | 12x1.5 | 23.5 | 16.5 | 32 | 14 | 12 | 31.5 | 22 | 19 | 17 | 101414.4 |
| | | 101415.1 | 101415 | 8 | 14x1.5 | 23.5 | 16.5 | 32 | 14 | 12 | 31.5 | 22 | 19 | 19 | 101415.4 |
| | | 101416.1 | 101416 | 10 | 16x1.5 | 26 | 18.5 | 38.5 | 16.5 | 12 | 35 | 27 | 24 | 22 | 101416.4 |
| | | 101417.1 | 101417 | 12 | 18x1.5 | 29 | 21.5 | 42 | 18.5 | 12 | 38 | 32 | 24 | 24 | 101417.4 |
| | | 101418.1 | 101418 | 14 | 20x1.5 | 31 | 23 | 45 | 20 | 14 | 41 | 32 | 30 | 27 | 101418.4 |
| 400 | 101419.1 | 101419 | 16 | 22x1.5 | 31 | 22.5 | 46.5 | 21.5 | 14 | 41 | 32 | 30 | 30 | 101419.4 | |
| | 101420.1 | 101420 | 20 | 27x2 | 36 | 25.5 | 54 | 24 | 16 | 47 | 41 | 36 | 36 | 101420.4 | |
| | 101421.1 | 101421 | 25 | 33x2 | 42.5 | 31.5 | 66.5 | 30.5 | 18 | 54.5 | 50 | 46 | 46 | 101421.4 | |
| | 101422.1 | 101422 | 30 | 42x2 | 49.5 | 36 | 80 | 35.5 | 20 | 62.5 | 60 | 55 | 50 | 101422.4 | |
| | 101423.1 | 101423 | 38 | 48x2 | 56.5 | 40.5 | 90 | 40.5 | 22 | 71.5 | 70 | 60 | 60 | 101423.4 | |

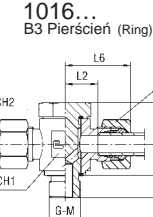
PRZYŁĄCZE TRÓJNIKOWE TYPU "BANJO" Z GWINTEM BSP LUB METRYCZNYM Z USZCZELNIENIEM ELASTOMEROWYM

BANJO TEE COUPLING WITH HOLLOW SCREW AND ELASTOMER SEAL - THREAD BSP PARALLEL - THREAD METRIC PARALLEL

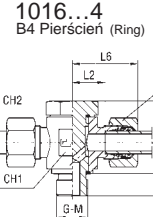
1015...1
Korpus (Only Body)



1015...
B3 Pierścieni (Ring)



1015...4
B4 Pierścieni (Ring)

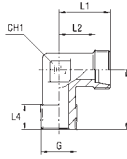


| Seria (Series) | Cisnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | L5 | L6 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring)* |
|----------------|-----------------|---|--|-----------------|-------|------|------|------|------|----|------|-----|-----|-----|--|
| L | 315 | 101504.1 | 101504 | 6 | 1/8 | 19 | 12 | 18.5 | 10.5 | 8 | 27 | 17 | 17 | 14 | 101504.4 |
| | | 101505.1 | 101505 | 8 | 1/4 | 21.5 | 14.5 | 25 | 14 | 12 | 29.5 | 22 | 19 | 17 | 101505.4 |
| | | 101506.1 | 101506 | 10 | 1/4 | 22.5 | 15.5 | 25 | 14 | 12 | 30.5 | 22 | 19 | 19 | 101506.4 |
| | | 101507.1 | 101507 | 12 | 3/8 | 25 | 18 | 30 | 16.5 | 12 | 33 | 27 | 24 | 22 | 101507.4 |
| | | 101508.1 | 101508 | 15 | 1/2 | 29 | 22 | 37.5 | 21.5 | 14 | 37 | 32 | 30 | 27 | 101508.4 |
| | | 101509.1 | 101509 | 18 | 1/2 | 29 | 21.5 | 37.5 | 21.5 | 14 | 38 | 32 | 30 | 32 | 101509.4 |
| S | 630 | 101510.1 | 101510 | 22 | 3/4 | 34 | 26.5 | 44 | 24 | 16 | 47 | 41 | 36 | 36 | 101510.4 |
| | | 101511.1 | 101511 | 28 | 1 | 38.5 | 31 | 55.5 | 30.5 | 18 | 47.5 | 50 | 46 | 41 | 101511.4 |
| | | 101512.1 | 101512 | 35 | 1 1/4 | 45.5 | 35 | 66.5 | | | | | | | |

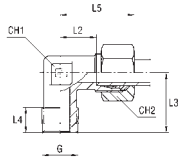
DIN 2353

PRZYŁĄCZE KOLANOWE Z GWINTEM STOŻKOWYM BSPT MALE STUD ELBOW - THREAD BSP TAPER (KEG)

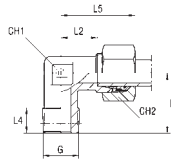
1020...1
Korpus (Only Body)



1020...
B3 Pierścień (Ring)



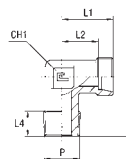
1020...4
B4 Pierścień (Ring)



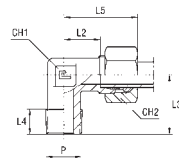
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body*) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring*) | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | L5 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring*) |
|----------------|-----------------|---|--|-----------------|-------|----|------|----|----|----|-----|-----|--|
| LL | 100 | 102001.1 | 102001 | 4 | 1/8 | 15 | 11 | 17 | 8 | 21 | 9 | 10 | - |
| | | 102002.1 | 102002 | 6 | 1/8 | 15 | 9.5 | 17 | 8 | 21 | 9 | 12 | - |
| | | 102003.1 | 102003 | 8 | 1/8 | 17 | 11.5 | 20 | 8 | 23 | 12 | 14 | - |
| L | 315 | 102004.1 | 102004 | 6 | 1/8 | 19 | 12 | 20 | 8 | 27 | 12 | 14 | 102004.4 |
| | | 102005.1 | 102005 | 8 | 1/4 | 21 | 14 | 26 | 12 | 29 | 12 | 17 | 102005.4 |
| | | 102006.1 | 102006 | 10 | 1/4 | 22 | 15 | 27 | 12 | 30 | 14 | 19 | 102006.4 |
| | | 102007.1 | 102007 | 12 | 3/8 | 24 | 17 | 28 | 12 | 32 | 17 | 22 | 102007.4 |
| | | 102008.1 | 102008 | 15 | 1/2 | 28 | 21 | 34 | 14 | 36 | 19 | 27 | 102008.4 |
| | | 102009.1 | 102009 | 18 | 1/2 | 31 | 23.5 | 36 | 14 | 40 | 24 | 32 | 102009.4 |
| | 160 | 102010.1 | 102010 | 22 | 3/4 | 35 | 27.5 | 42 | 16 | 44 | 27 | 36 | 102010.4 |
| | | 102011.1 | 102011 | 28 | 1 | 38 | 30.5 | 48 | 18 | 47 | 36 | 41 | 102011.4 |
| | | 102012.1 | 102012 | 35 | 1 1/4 | 45 | 34.5 | 54 | 20 | 56 | 41 | 50 | 102012.4 |
| | | 102013.1 | 102013 | 42 | 1 1/2 | 51 | 40 | 61 | 22 | 63 | 50 | 60 | 102013.4 |
| | | 102014.1 | 102014 | 6 | 1/4 | 23 | 16 | 26 | 12 | 31 | 12 | 17 | 102014.4 |
| | | 102015.1 | 102015 | 8 | 1/4 | 24 | 17 | 27 | 12 | 32 | 14 | 19 | 102015.4 |
| S | 630 | 102016.1 | 102016 | 10 | 3/8 | 25 | 17.5 | 28 | 12 | 34 | 17 | 22 | 102016.4 |
| | | 102017.1 | 102017 | 12 | 3/8 | 29 | 21.5 | 28 | 12 | 38 | 17 | 24 | 102017.4 |
| | | 102018.1 | 102018 | 14 | 1/2 | 30 | 22 | 32 | 14 | 40 | 19 | 27 | 102018.4 |
| | | 102019.1 | 102019 | 16 | 1/2 | 33 | 24.5 | 32 | 14 | 43 | 24 | 30 | 102019.4 |
| | | 102020.1 | 102020 | 20 | 3/4 | 37 | 26.5 | 42 | 16 | 48 | 27 | 36 | 102020.4 |
| | | 102021.1 | 102021 | 25 | 1 | 42 | 30 | 48 | 18 | 54 | 36 | 46 | 102021.4 |
| | 315 | 102022.1 | 102022 | 30 | 1 1/4 | 49 | 35.5 | 54 | 20 | 62 | 41 | 50 | 102022.4 |
| | | 102023.1 | 102023 | 38 | 1 1/2 | 57 | 41 | 61 | 22 | 72 | 50 | 60 | 102023.4 |
| | | 102024.1 | 102024 | 6 | 1/4 | 21 | 14 | 26 | 12 | 29 | 12 | 14 | 102024.4 |
| | | 102025.1 | 102025 | 8 | 1/8 | 21 | 14 | 22 | 8 | 29 | 12 | 17 | 102025.4 |
| | | 102026.1 | 102026 | 8 | 3/8 | 23 | 16 | 28 | 12 | 31 | 17 | 17 | 102026.4 |
| | | 102027.1 | 102027 | 8 | 1/2 | 26 | 19 | 34 | 14 | 34 | 19 | 17 | 102027.4 |
| L | 315 | 102028.1 | 102028 | 10 | 1/8 | 22 | 15 | 22 | 8 | 30 | 14 | 19 | 102028.4 |
| | | 102029.1 | 102029 | 10 | 3/8 | 24 | 17 | 28 | 12 | 32 | 17 | 19 | 102029.4 |
| | | 102030.1 | 102030 | 10 | 1/2 | 27 | 20 | 34 | 14 | 35 | 19 | 19 | 102030.4 |
| | | 102031.1 | 102031 | 12 | 1/4 | 24 | 17 | 28 | 12 | 32 | 17 | 22 | 102031.4 |
| | | 102032.1 | 102032 | 12 | 1/2 | 27 | 20 | 34 | 14 | 34 | 19 | 22 | 102032.4 |
| | | 102033.1 | 102033 | 15 | 3/8 | 28 | 21 | 30 | 12 | 36 | 19 | 27 | 102033.4 |
| | 630 | 102034.1 | 102034 | 18 | 3/4 | 34 | 26.5 | 42 | 16 | 43 | 27 | 32 | 102034.4 |
| | | 102035.1 | 102035 | 12 | 1/2 | 28 | 20.5 | 32 | 14 | 37 | 19 | 24 | 102035.4 |
| | | 102036.1 | 102036 | 16 | 3/8 | 30 | 22 | 30 | 12 | 40 | 19 | 27 | 102036.4 |
| | | 102037.1 | 102037 | 16 | 3/8 | 33 | 24.5 | 37 | 12 | 43 | 24 | 30 | 102037.4 |
| | | 102038.1 | 102038 | 20 | 1/2 | 37 | 26.5 | 36 | 14 | 48 | 27 | 36 | 102038.4 |
| | | 102039.1 | 102039 | 25 | 3/4 | 42 | 30 | 42 | 16 | 54 | 36 | 46 | 102039.4 |
| S | 400 | 102040.1 | 102040 | 30 | 1 | 49 | 35.5 | 48 | 18 | 62 | 41 | 50 | 102040.4 |

PRZYŁĄCZE KOLANOWE Z GWINTEM NPT MALE STUD ELBOW - THREAD NPT

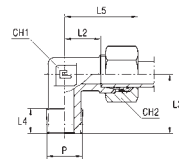
1021...1
Korpus (Only Body)



1021...
B3 Pierścień (Ring)



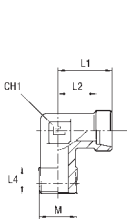
1021...4
B4 Pierścień (Ring)



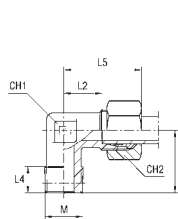
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body*) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring*) | Ø Rury (Ø Tube) | P | L1 | L2 | L3 | L4 | L5 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring*) |
|----------------|-----------------|---|--|-----------------|-------|----|------|----|------|----|-----|-----|--|
| L | 315 | 102104.1 | 102104 | 6 | 1/8 | 19 | 12 | 20 | 10 | 27 | 12 | 14 | 102104.4 |
| | | 102105.1 | 102105 | 8 | 1/4 | 21 | 14 | 26 | 15 | 29 | 12 | 17 | 102105.4 |
| | | 102106.1 | 102106 | 10 | 1/4 | 22 | 15 | 27 | 15 | 30 | 14 | 19 | 102106.4 |
| | | 102107.1 | 102107 | 12 | 3/8 | 24 | 17 | 28 | 15 | 32 | 17 | 22 | 102107.4 |
| | | 102108.1 | 102108 | 15 | 1/2 | 28 | 21 | 34 | 19.5 | 36 | 19 | 27 | 102108.4 |
| | | 102109.1 | 102109 | 18 | 1/2 | 31 | 23.5 | 36 | 19.5 | 40 | 24 | 32 | 102109.4 |
| | 160 | 102110.1 | 102110 | 22 | 3/4 | 35 | 27.5 | 42 | 20 | 44 | 27 | 36 | 102110.4 |
| | | 102111.1 | 102111 | 28 | 1 | 38 | 30.5 | 48 | 25 | 47 | 36 | 41 | 102111.4 |
| | | 102112.1 | 102112 | 35 | 1 1/4 | 45 | 34.5 | 57 | 25.5 | 56 | 41 | 50 | 102112.4 |
| | | 102113.1 | 102113 | 42 | 1 1/2 | 51 | 40 | 61 | 26 | 63 | 50 | 60 | 102113.4 |
| | | 102114.1 | 102114 | 6 | 1/4 | 23 | 16 | 26 | 15 | 31 | 12 | 17 | 102114.4 |
| | | 102115.1 | 102115 | 8 | 1/4 | 24 | 17 | 27 | 15 | 32 | 14 | 19 | 102115.4 |
| S | 630 | 102116.1 | 102116 | 10 | 3/8 | 25 | 17.5 | 28 | 15 | 34 | 17 | 22 | 102116.4 |
| | | 102117.1 | 102117 | 12 | 3/8 | 29 | 21.5 | 28 | 15 | 38 | 17 | 24 | 102117.4 |
| | | 102118.1 | 102118 | 14 | 1/2 | 30 | 22 | 34 | 19.5 | 40 | 19 | 27 | 102118.4 |
| | | 102119.1 | 102119 | 16 | 1/2 | 33 | 24.5 | 36 | 19.5 | 43 | 24 | 30 | 102119.4 |
| | | 102120.1 | 102120 | 20 | 3/4 | 37 | 26.5 | 42 | 20 | 48 | 27 | 36 | 102120.4 |
| | | 102121.1 | 102121 | 25 | 1 | 42 | 30 | 48 | 25 | 54 | 36 | 46 | 102121.4 |
| L | 315 | 102122.1 | 102122 | 30 | 1 1/4 | 49 | 35.5 | 57 | 25.5 | 62 | 41 | 50 | 102122.4 |
| | | 102123.1 | 102123 | 38 | 1 1/2 | 57 | 41 | 61 | 26 | 72 | 50 | 60 | 102123.4 |
| | | 102124.1 | 102124 | 6 | 1/4 | 21 | 14 | 26 | 15 | 29 | 12 | 14 | 102124.4 |
| | | 102125.1 | 102125 | 8 | 1/8 | 21 | 14 | 24 | 10 | 29 | 12 | 17 | 102125.4 |
| | | 102126.1 | 102126 | 8 | 3/8 | 23 | 16 | 28 | 15 | 31 | 17 | 17 | 102126.4 |
| | | 102127.1 | 102127 | 8 | 1/2 | 26 | 19 | 34 | 14 | 34 | 19 | 17 | 102127.4 |
| | 400 | 102128.1 | 102128 | 10 | 1/8 | 22 | 15 | 24 | 10 | 30 | 14 | 19 | 102128.4 |
| | | 102129.1 | 102129 | 10 | 3/8 | 24 | 17 | 28 | 15 | 32 | 17 | 19 | 102129.4 |
| | | 102130.1 | 102130 | 12 | 1/2 | 27 | 20 | 34 | 19.5 | 35 | 19 | 22 | 102130.4 |
| | | 102131.1 | 102131 | 12 | 1/4 | 24 | 17 | 28 | 15 | 32 | 17 | 22 | 102131.4 |
| | | 102132.1 | 102132 | 12 | 1/2 | 27 | 20 | 34 | 19.5 | 35 | 19 | 22 | 102132.4 |
| | | 102133.1 | 102133 | 15 | 3/8 | 28 | 21 | 33 | 15 | 36 | 19 | 27 | 102133.4 |
| S | 630 | 102134.1 | 102134 | 18 | 3/4 | 34 | 26.5 | 42 | 20 | 43 | 27 | 32 | 102134.4 |
| | | 102135.1 | 102135 | 12 | 1/2 | 28 | 20 | 34 | 19.5 | 37 | 19 | 24 | 102135.4 |
| | | 102136.1 | 102136 | 14 | 3/8 | 30 | 22 | 33 | 15 | 40 | 19 | 27 | 102136.4 |
| | | 102137.1 | 102137 | 16 | 3/8 | 33 | 24.5 | 37 | 15 | 43 | 24 | 30 | 102137.4 |
| | | 102138.1 | 102138 | 20 | 1/2 | 37 | 26.5 | 42 | 19.5 | 48 | 27 | 36 | 102138.4 |
| | | 102139.1 | 102139 | 25 | 3/4 | 42 | 30 | 46 | 20 | 54 | 36 | 46 | 102139.4 |
| S | 400 | 102140.1 | 102140 | 30 | 1 | 49 | 35.5 | 55 | 25 | 62 | 41 | 50 | 102140.4 |

PRZYŁĄCZE KOLANOWE Z GWINTEM STOŻKOWYM METRYCZNYM MALE STUD ELBOW THREAD - METRIC TAPER (KEG)

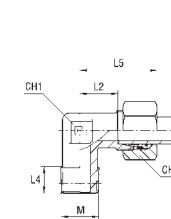
1022...1
Korpus (Only Body)



1022...
B3 Pierścień (Ring)



1022...4
B4 Pierścień (Ring)



| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body*) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring*) | Ø Rury (Ø Tube) | M | L1 | L2 | L3 | L4 | L5 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring*) |
|----------------|-----------------|---|--|-----------------|--------|----|------|----|----|----|-----|-----|--|
| L | 315 | 102204.1 | 102204 | 6 | 10x1 | 19 | 12 | 20 | 8 | 27 | 12 | 14 | 102204.4 |
| | | 102205.1 | 102205 | 8 | 12x1.5 | 21 | 14 | 26 | 12 | 29 | 12 | 17 | 102205.4 |
| | | 102206.1 | 102206 | 10 | 14x1.5 | 22 | 15 | 27 | 12 | 30 | 14 | 19 | 102206.4 |
| | | 102207.1 | 102207 | 12 | 16x1.5 | 24 | 17 | 28 | 12 | 32 | 17 | 22 | 102207.4 |
| | | 102208.1 | 102208 | 15 | 18x1.5 | 28 | 21 | 32 | 12 | 36 | 19 | 27 | 102208.4 |
| | | 102209.1 | 102209 | 18 | 22x1.5 | 31 | 23.5 | 36 | 14 | 40 | 24 | 32 | 102209.4 |
| | 630 | 102214.1 | 102214 | 6 | 12x | | | | | | | | |

PRZYŁĄCZE TRÓJNIKOWE SYMETRYCZNE Z GWIŃTEM STOŻKOWYM BSPT LUB NPT

MALE STUD BRANCH TEE - THREAD BSP TAPER (KEG) - THREAD NPT

1025...1
Korpus (Only Body)

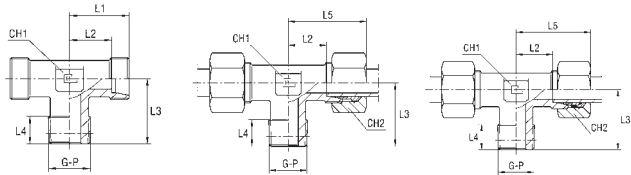
1026...1
Korpus (Only Body)

1025...4
B3 Pierścień (Ring)

1026...4
B3 Pierścień (Ring)

1025...4
B4 Pierścień (Ring)

1026...4
B4 Pierścień (Ring)



| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | L5 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring) | |
|----------------|-----------------|---|--|-----------------|-------|-------|------|------|------|----|-----|-----|---|----------|
| L | 100 | 102501.1 | 102501 | 4 | 1/8 | 15 | 11 | 17 | 8 | 21 | 9 | 10 | - | |
| | | 102502.1 | 102502 | 6 | 1/8 | 15 | 9,5 | 17 | 8 | 21 | 9 | 12 | - | |
| | | 102503.1 | 102503 | 8 | 1/8 | 17 | 11,5 | 20 | 8 | 23 | 12 | 14 | - | |
| | | 102504.1 | 102504 | 6 | 1/8 | 19 | 12 | 20 | 8 | 27 | 12 | 14 | 102504.4 | |
| | | 102505.1 | 102505 | 8 | 1/4 | 21 | 14 | 26 | 12 | 29 | 12 | 17 | 102505.4 | |
| | | 102506.1 | 102506 | 10 | 1/4 | 22 | 15 | 27 | 12 | 30 | 14 | 19 | 102506.4 | |
| | S | 315 | 102507.1 | 102507 | 12 | 3/8 | 24 | 17 | 28 | 12 | 32 | 17 | 22 | 102507.4 |
| | | | 102508.1 | 102508 | 15 | 1/2 | 28 | 21 | 34 | 14 | 36 | 19 | 27 | 102508.4 |
| | | | 102509.1 | 102509 | 18 | 1/2 | 31 | 23,5 | 36 | 14 | 40 | 24 | 32 | 102509.4 |
| | | | 102510.1 | 102510 | 22 | 3/4 | 35 | 27,5 | 42 | 16 | 44 | 27 | 36 | 102510.4 |
| | | | 102511.1 | 102511 | 28 | 1 | 38 | 30,5 | 48 | 18 | 47 | 36 | 41 | 102511.4 |
| | | | 102512.1 | 102512 | 35 | 1 1/4 | 45 | 34,5 | 54 | 20 | 56 | 41 | 50 | 102512.4 |
| 400 | | 102513.1 | 102513 | 42 | 1 1/2 | 51 | 40 | 61 | 22 | 63 | 50 | 60 | 102513.4 | |
| | | 102514.1 | 102514 | 6 | 1/4 | 23 | 16 | 26 | 12 | 31 | 12 | 17 | 102514.4 | |
| | | 102515.1 | 102515 | 8 | 1/4 | 24 | 17 | 27 | 12 | 32 | 14 | 19 | 102515.4 | |
| | | 102516.1 | 102516 | 10 | 3/8 | 25 | 17,5 | 28 | 12 | 34 | 17 | 22 | 102516.4 | |
| | | 102517.1 | 102517 | 12 | 3/8 | 29 | 21,5 | 28 | 12 | 38 | 17 | 24 | 102517.4 | |
| | | 102518.1 | 102518 | 14 | 1/2 | 30 | 22 | 32 | 14 | 40 | 19 | 27 | 102518.4 | |
| L | 315 | 102519.1 | 102519 | 16 | 1/2 | 33 | 24,5 | 32 | 14 | 43 | 24 | 30 | 102519.4 | |
| | | 102520.1 | 102520 | 20 | 3/4 | 37 | 26,5 | 42 | 16 | 48 | 27 | 36 | 102520.4 | |
| | | 102521.1 | 102521 | 25 | 1 | 42 | 30 | 48 | 18 | 54 | 36 | 46 | 102521.4 | |
| | | 102522.1 | 102522 | 30 | 1 1/4 | 49 | 35,5 | 54 | 20 | 62 | 41 | 50 | 102522.4 | |
| | | 102523.1 | 102523 | 38 | 1 1/2 | 57 | 41 | 61 | 22 | 72 | 50 | 60 | 102523.4 | |
| | | 102524.1 | 102524 | 48 | 2 | 68 | 50 | 72 | 26 | 84 | 60 | 72 | 102524.4 | |
| | 400 | 102604.1 | 102604 | 6 | 1/8 | 19 | 12 | 20 | 10 | 27 | 12 | 14 | 102604.4 | |
| | | 102605.1 | 102605 | 8 | 1/4 | 21 | 14 | 26 | 15 | 29 | 12 | 17 | 102605.4 | |
| | | 102606.1 | 102606 | 10 | 1/4 | 22 | 15 | 27 | 15 | 30 | 14 | 19 | 102606.4 | |
| | | 102607.1 | 102607 | 12 | 3/8 | 24 | 17 | 28 | 15 | 32 | 17 | 22 | 102607.4 | |
| | | 102608.1 | 102608 | 15 | 1/2 | 28 | 21 | 34 | 19,5 | 36 | 19 | 27 | 102608.4 | |
| | | 102609.1 | 102609 | 18 | 1/2 | 31 | 23,5 | 36 | 19,5 | 40 | 24 | 32 | 102609.4 | |
| S | 315 | 102610.1 | 102610 | 22 | 3/4 | 35 | 27,5 | 42 | 20 | 44 | 27 | 36 | 102610.4 | |
| | | 102611.1 | 102611 | 28 | 1 | 38 | 30,5 | 48 | 25 | 47 | 36 | 41 | 102611.4 | |
| | | 102612.1 | 102612 | 35 | 1 1/4 | 45 | 34,5 | 54 | 25,5 | 56 | 41 | 50 | 102612.4 | |
| | | 102613.1 | 102613 | 42 | 1 1/2 | 51 | 40 | 61 | 26 | 63 | 50 | 60 | 102613.4 | |
| | | 102614.1 | 102614 | 6 | 1/4 | 23 | 16 | 26 | 15 | 31 | 12 | 17 | 102614.4 | |
| | | 102615.1 | 102615 | 8 | 1/4 | 24 | 17 | 27 | 15 | 32 | 14 | 19 | 102615.4 | |
| | 400 | 102616.1 | 102616 | 10 | 3/8 | 25 | 17,5 | 28 | 15 | 34 | 17 | 22 | 102616.4 | |
| | | 102617.1 | 102617 | 12 | 3/8 | 29 | 21,5 | 28 | 15 | 38 | 17 | 24 | 102617.4 | |
| | | 102618.1 | 102618 | 14 | 1/2 | 30 | 22 | 34 | 19,5 | 40 | 19 | 27 | 102618.4 | |
| | | 102619.1 | 102619 | 16 | 1/2 | 33 | 24,5 | 36 | 19,5 | 43 | 24 | 30 | 102619.4 | |
| | | 102620.1 | 102620 | 20 | 3/4 | 37 | 26,5 | 42 | 20 | 48 | 27 | 36 | 102620.4 | |
| | | 102621.1 | 102621 | 25 | 1 | 42 | 30 | 48 | 25 | 54 | 36 | 46 | 102621.4 | |
| L | 315 | 102622.1 | 102622 | 30 | 1 1/4 | 49 | 35,5 | 57 | 25,5 | 62 | 41 | 50 | 102622.4 | |
| | | 102623.1 | 102623 | 38 | 1 1/2 | 57 | 41 | 61 | 26 | 72 | 50 | 60 | 102623.4 | |
| | | 102624.1 | 102624 | 48 | 2 | 68 | 50 | 72 | 26 | 84 | 60 | 72 | 102624.4 | |
| | | 102625.1 | 102625 | 6 | 1/8 | 19 | 12 | 20 | 10 | 27 | 12 | 14 | 102625.4 | |
| | | 102626.1 | 102626 | 8 | 1/4 | 21 | 14 | 26 | 15 | 29 | 12 | 17 | 102626.4 | |
| | | 102627.1 | 102627 | 10 | 1/4 | 22 | 15 | 27 | 15 | 30 | 14 | 19 | 102627.4 | |
| | 400 | 102628.1 | 102628 | 12 | 3/8 | 24 | 17 | 28 | 15 | 32 | 17 | 22 | 102628.4 | |
| | | 102629.1 | 102629 | 15 | 1/2 | 28 | 21 | 34 | 19,5 | 36 | 19 | 27 | 102629.4 | |
| | | 102630.1 | 102630 | 18 | 1/2 | 31 | 23,5 | 36 | 19,5 | 40 | 24 | 32 | 102630.4 | |
| | | 102631.1 | 102631 | 22 | 3/4 | 35 | 27,5 | 42 | 20 | 44 | 27 | 36 | 102631.4 | |
| | | 102632.1 | 102632 | 28 | 1 | 38 | 30,5 | 48 | 25 | 47 | 36 | 41 | 102632.4 | |
| | | 102633.1 | 102633 | 35 | 1 1/4 | 45 | 34,5 | 54 | 25,5 | 56 | 41 | 50 | 102633.4 | |

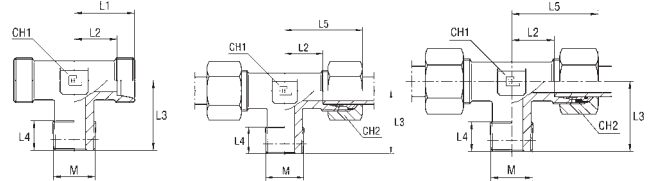
PRZYŁĄCZE TRÓJNIKOWE SYMETRYCZNE Z GWIŃTEM METRYCZNYM STOŻKOWYM

MALE STUD BRANCH TEE - THREAD METRIC TAPER (KEG)

1027...1
Korpus (Only Body)

1027...4
B3 Pierścień (Ring)

1027...4
B4 Pierścień (Ring)



| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | M | L1 | L2 | L3 | L4 | L5 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring) |
|----------------|-----------------|---|--|-----------------|--------|----|------|----|----|----|-----|-----|---|
| L | 315 | 102704.1 | 102704 | 6 | 10x1 | 19 | 12 | 20 | 8 | 27 | 12 | 14 | 102704.4 |
| | | 102705.1 | 102705 | 8 | 12x1,5 | 21 | 14 | 26 | 12 | 29 | 12 | 17 | 102705.4 |
| | | 102706.1 | 102706 | 10 | 14x1,5 | 22 | 15 | 27 | 12 | 30 | 14 | 19 | 102706.4 |
| | | 102707.1 | 102707 | 12 | 16x1,5 | 24 | 17 | 28 | 12 | 32 | 17 | 22 | 102707.4 |
| | | 102708.1 | 102708 | 15 | 18x1,5 | 28 | 21 | 32 | 12 | 36 | 19 | 27 | 102708.4 |
| | | 102709.1 | 102709 | 18 | 22x1,5 | 31 | 23,5 | 36 | 14 | 40 | 24 | 32 | 102709.4 |
| | S | 102714.1 | 102714 | 6 | 12x1,5 | 23 | 16 | 26 | 12 | 31 | 12 | 17 | 102714.4 |
| | | 102715.1 | 102715 | 8 | 14x1,5 | 24 | 17 | 27 | 12 | 32 | 14 | 19 | 102715.4 |
| | | 102716.1 | 102716 | 10 | 16x1,5 | 25 | 17,5 | 28 | 12 | 34 | 17 | 22 | 102716.4 |
| | | 102717.1 | 102717 | 12 | 18x1,5 | 29 | 21,5 | 28 | 12 | 38 | 17 | 24 | 102717.4 |
| | | 102718.1 | 102718 | 14 | 20x1,5 | 30 | 22 | 32 | 14 | 40 | 19 | 27 | 102718.4 |
| | | 102719.1 | 102719 | 16 | 22x1,5 | 33 | 24,5 | 32 | 14 | 43 | 24 | 30 | 102719.4 |

PRZYŁĄCZE TRÓJNIKOWE NIESYMETRYCZNE Z GWIŃTEM BARREL TEE - THREAD BSP TAPER (KEG) - THREAD NPT

1030...1
Korpus (Only Body)

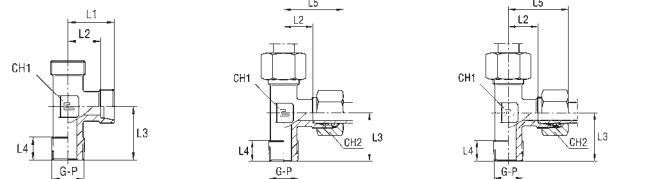
1031...1
Korpus (Only Body)

1030...4
B3 Pierścień (Ring)

1031...4
B3 Pierścień (Ring)

1030...4
B4 Pierścień (Ring)

1031...4
B4 Pierścień (Ring)



| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | L5 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring) | |
|----------------|-----------------|---|--|-----------------|-------|-------|------|------|------|----|-----|-----|---|----------|
| L | 100 | 103001.1 | 103001 | 4 | 1/8 | 15 | 11 | 17 | 8 | 21 | 9 | 10 | - | |
| | | 103002.1 | 103002 | 6 | 1/8 | 15 | 9,5 | 17 | 8 | 21 | 9 | 12 | - | |
| | | 103003.1 | 103003 | 8 | 1/8 | 17 | 11,5 | 20 | 8 | 23 | 12 | 14 | - | |
| | | 103004.1 | 103004 | 6 | 1/8 | 19 | 12 | 20 | 8 | 27 | 12 | 14 | 103004.4 | |
| | | 103005.1 | 103005 | 8 | 1/4 | 21 | 14 | 26 | 12 | 29 | 12 | 17 | 103005.4 | |
| | | 103006.1 | 103006 | 10 | 1/4 | 22 | 15 | 27 | 12 | 30 | 14 | 19 | 103006.4 | |
| | S | 315 | 103007.1 | 103007 | 12 | 3/8 | 24 | 17 | 28 | 12 | 32 | 17 | 22 | 103007.4 |
| | | | 103008.1 | 103008 | 15 | 1/2 | 28 | 21 | 34 | 14 | 36 | 19 | 27 | 103008.4 |
| | | | 103009.1 | 103009 | 18 | 1/2 | 31 | 23,5 | 36 | 14 | 40 | 24 | 32 | 103009.4 |
| | | | 103010.1 | 103010 | 22 | 3/4 | 35 | 27,5 | 42 | 16 | 44 | 27 | 36 | 103010.4 |
| | | | 103011.1 | 103011 | 28 | 1 | 38 | 30,5 | 48 | 18 | 47 | 36 | 41 | 103011.4 |
| | | | 103012.1 | 103012 | 35 | 1 1/4 | 45 | 34,5 | 54 | 20 | 56 | 41 | 50 | 103012.4 |
| 400 | | 103013.1 | 103013 | 42 | 1 1/2 | 51 | 40 | 61 | 22 | 63 | 50 | 60 | 103013.4 | |
| | | 103014.1 | 103014 | 6 | 1/4 | 23 | 16 | 26 | 12 | 31 | 12 | 17 | 103014.4 | |
| | | 103015.1 | 103015 | 8 | 1/4 | 24 | 17 | 27 | 12 | 32 | 14 | 19 | 103015.4 | |
| | | 103016.1 | 103016 | 10 | 3/8 | 25 | 17,5 | 28 | 12 | 34 | 17 | 22 | 103016.4 | |
| | | 103017.1 | 103017 | 12 | 3/8 | 29 | 21,5 | 28 | 12 | 38 | 17 | 24 | 103017.4 | |
| | | 103018.1 | 103018 | 14 | 1/2 | 30 | 22 | 34 | 19,5 | 40 | 19 | 27 | 103018.4 | |
| L | 315 | 103019.1 | 103019 | 16 | 1/2 | 33 | 24,5 | 32 | 14 | 43 | 24 | 30 | 103019.4 | |
| | | 1 | | | | | | | | | | | | |

DIN 2353

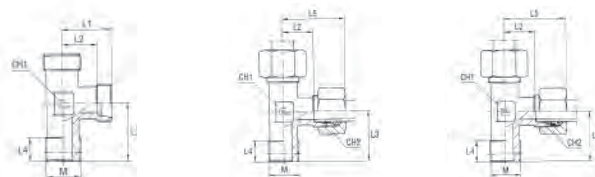
PRZYŁĄCZE TRÓJNIKOWE NIESYMETRYCZNE Z GWINTEM METRYCZNYM STOŻKOWYM

MALE STUD BARREL TEE - THREAD METRIC TAPER (KEG)

1032...1
Korpus (Only Body)

1032...
B3 Pierścień (Ring)

1032...4
B4 Pierścień (Ring)



| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | M | L1 | L2 | L3 | L4 | L5 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring)* |
|----------------|-----------------|---|--|-----------------|--------|----|------|----|----|----|-----|-----|--|
| L | 315 | 103204.1 | 103204 | 6 | 10x1 | 19 | 12 | 20 | 8 | 27 | 12 | 14 | 103204.4 |
| | | 103205.1 | 103205 | 8 | 12x1.5 | 21 | 14 | 26 | 12 | 29 | 12 | 17 | 103205.4 |
| | | 103206.1 | 103206 | 10 | 14x1.5 | 22 | 15 | 27 | 12 | 30 | 14 | 19 | 103206.4 |
| | | 103207.1 | 103207 | 12 | 16x1.5 | 24 | 17 | 28 | 12 | 32 | 17 | 22 | 103207.4 |
| | | 103208.1 | 103208 | 15 | 18x1.5 | 28 | 21 | 32 | 12 | 36 | 19 | 27 | 103208.4 |
| | | 103209.1 | 103209 | 18 | 22x1.5 | 31 | 23.5 | 36 | 14 | 40 | 24 | 32 | 103209.4 |
| S | 630 | 103214.1 | 103214 | 6 | 12x1.5 | 23 | 16 | 26 | 12 | 31 | 12 | 17 | 103214.4 |
| | | 103215.1 | 103215 | 8 | 14x1.5 | 24 | 17 | 27 | 12 | 32 | 14 | 19 | 103215.4 |
| | | 103216.1 | 103216 | 10 | 16x1.5 | 25 | 17.5 | 28 | 12 | 34 | 17 | 22 | 103216.4 |
| | | 103217.1 | 103217 | 12 | 18x1.5 | 29 | 21.5 | 28 | 12 | 38 | 17 | 24 | 103217.4 |
| | | 103218.1 | 103218 | 14 | 20x1.5 | 30 | 22 | 32 | 14 | 40 | 19 | 27 | 103218.4 |
| | | 103219.1 | 103219 | 16 | 22x1.5 | 33 | 24.5 | 32 | 14 | 43 | 24 | 30 | 103219.4 |

PRZYŁĄCZE TRÓJNIKOWE NIESYMETRYCZNE Z GWINTEM BSP LUB METRYCZNYM

MALE STUD BARREL - TEE THREAD METRIC PARALLEL

1033...1
Korpus (Only Body)

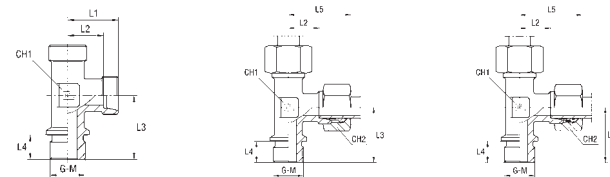
1033...
B3 Pierścień (Ring)

1033...4
B4 Pierścień (Ring)

1034...1
Korpus (Only Body)

1034...
B3 Pierścień (Ring)

1034...4
B4 Pierścień (Ring)



| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | L5 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring)* |
|----------------|-----------------|---|--|-----------------|--------|----|------|------|----|----|-----|-----|--|
| L | 160 | 103310.1 | 103310 | 22 | 3/4 | 35 | 27.5 | 43.5 | 15 | 44 | 27 | 36 | 103310.4 |
| | | 103311.1 | 103311 | 28 | 1 | 38 | 30.5 | 49 | 17 | 47 | 36 | 41 | 103311.4 |
| | | 103312.1 | 103312 | 35 | 1 1/4 | 45 | 34.5 | 57 | 19 | 56 | 41 | 50 | 103312.4 |
| | | 103313.1 | 103313 | 42 | 1 1/2 | 51 | 40 | 64 | 20 | 63 | 50 | 60 | 103313.4 |
| | | 103320.1 | 103320 | 20 | 3/4 | 37 | 26.5 | 43.5 | 15 | 48 | 27 | 36 | 103320.4 |
| | | 103321.1 | 103321 | 25 | 1 | 42 | 30 | 49 | 17 | 54 | 36 | 46 | 103321.4 |
| S | 400 | 103322.1 | 103322 | 30 | 1 1/4 | 49 | 35.5 | 57 | 19 | 62 | 41 | 50 | 103322.4 |
| | 315 | 103323.1 | 103323 | 38 | 1 1/2 | 57 | 41 | 64 | 20 | 72 | 50 | 60 | 103323.4 |
| L | 160 | 103410.1 | 103410 | 22 | 26x1.5 | 35 | 27.5 | 43.5 | 15 | 44 | 27 | 36 | 103410.4 |
| | | 103411.1 | 103411 | 28 | 33x2 | 38 | 30.5 | 49 | 17 | 47 | 36 | 41 | 103411.4 |
| | | 103412.1 | 103412 | 35 | 42x2 | 45 | 34.5 | 57 | 19 | 56 | 41 | 50 | 103412.4 |
| | | 103413.1 | 103413 | 42 | 48x2 | 51 | 40 | 64 | 20 | 63 | 50 | 60 | 103413.4 |
| | | 103420.1 | 103420 | 20 | 27x2 | 37 | 26.5 | 43.5 | 15 | 48 | 27 | 36 | 103420.4 |
| | | 103421.1 | 103421 | 25 | 33x2 | 42 | 30 | 49 | 17 | 54 | 36 | 46 | 103421.4 |
| S | 400 | 103422.1 | 103422 | 30 | 42x2 | 49 | 35.5 | 57 | 19 | 62 | 41 | 50 | 103422.4 |
| | 315 | 103423.1 | 103423 | 38 | 48x2 | 57 | 41 | 64 | 20 | 72 | 50 | 60 | 103423.4 |

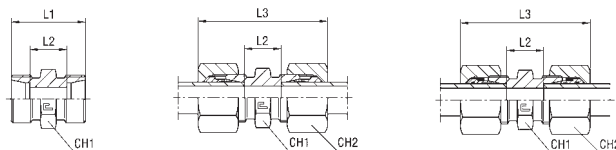
ZŁĄCZE PROSTE

STRAIGHT COUPLING

1035...1
Korpus (Only Body)

1035...
B3 Pierścień (Ring)

1035...4
B4 Pierścień (Ring)



| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | L1 | L2 | L3 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring)* |
|----------------|-----------------|---|--|-----------------|----|----|----|-----|-----|--|
| LL | 100 | 103501.1 | 103501 | 4 | 20 | 12 | 31 | 12 | 10 | - |
| | | 103502.1 | 103502 | 6 | 20 | 9 | 32 | 12 | 12 | - |
| | | 103503.1 | 103503 | 8 | 23 | 12 | 35 | 12 | 14 | - |
| | | 103504.1 | 103504 | 6 | 24 | 10 | 39 | 12 | 14 | 103504.4 |
| | | 103505.1 | 103505 | 8 | 25 | 11 | 40 | 14 | 17 | 103505.4 |
| | | 103506.1 | 103506 | 10 | 27 | 13 | 42 | 17 | 19 | 103506.4 |
| L | 315 | 103507.1 | 103507 | 12 | 28 | 14 | 43 | 19 | 22 | 103507.4 |
| | | 103508.1 | 103508 | 15 | 30 | 16 | 46 | 24 | 27 | 103508.4 |
| | | 103509.1 | 103509 | 18 | 31 | 16 | 48 | 27 | 32 | 103509.4 |
| | | 103510.1 | 103510 | 22 | 35 | 20 | 52 | 32 | 36 | 103510.4 |
| | | 103511.1 | 103511 | 28 | 36 | 21 | 54 | 41 | 41 | 103511.4 |
| | | 103512.1 | 103512 | 35 | 41 | 20 | 63 | 46 | 50 | 103512.4 |
| S | 630 | 103513.1 | 103513 | 42 | 43 | 21 | 66 | 55 | 60 | 103513.4 |
| | | 103514.1 | 103514 | 6 | 30 | 16 | 45 | 14 | 17 | 103514.4 |
| | | 103515.1 | 103515 | 8 | 32 | 18 | 47 | 17 | 19 | 103515.4 |
| | | 103516.1 | 103516 | 10 | 32 | 17 | 49 | 19 | 22 | 103516.4 |
| | | 103517.1 | 103517 | 12 | 34 | 19 | 51 | 22 | 24 | 103517.4 |
| | | 103518.1 | 103518 | 14 | 38 | 22 | 57 | 24 | 27 | 103518.4 |
| S | 400 | 103519.1 | 103519 | 16 | 38 | 21 | 57 | 27 | 30 | 103519.4 |
| | | 103520.1 | 103520 | 20 | 44 | 23 | 66 | 32 | 36 | 103520.4 |
| | | 103521.1 | 103521 | 25 | 50 | 26 | 74 | 41 | 46 | 103521.4 |
| | | 103522.1 | 103522 | 30 | 54 | 27 | 80 | 46 | 50 | 103522.4 |
| | | 103523.1 | 103523 | 38 | 61 | 29 | 90 | 55 | 60 | 103523.4 |

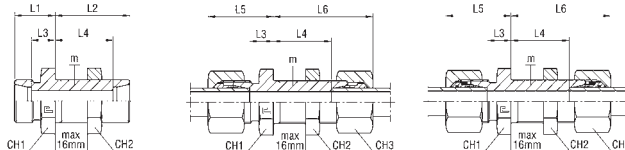
ZŁĄCZE GRODZIOWE PROSTE SKRĘCANE

BULKHEAD STRAIGHT SCREW COUPLING

1036...1
Korpus (Only Body)

1036...
B3 Pierścień (Ring)

1036...4
B4 Pierścień (Ring)



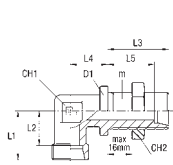
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | m | L1 | L2 | L3 | L4 | L5 | L6 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring)* | |
|----------------|-----------------|---|--|-----------------|--------|--------|----|------|------|------|----|-----|-----|----------|--|----------|
| L | 315 | 103604.1 | 103604 | 6 | 12x1.5 | 14 | 34 | 7 | 27 | 22 | 42 | 17 | 17 | 14 | 103604.4 | |
| | | 103605.1 | 103605 | 8 | 14x1.5 | 15 | 34 | 8 | 27 | 23 | 42 | 19 | 19 | 17 | 103605.4 | |
| | | 103606.1 | 103606 | 10 | 16x1.5 | 17 | 35 | 10 | 28 | 25 | 43 | 22 | 22 | 19 | 103606.4 | |
| | | 103607.1 | 103607 | 12 | 18x1.5 | 17 | 36 | 10 | 29 | 25 | 44 | 24 | 24 | 22 | 103607.4 | |
| | | 103608.1 | 103608 | 15 | 22x1.5 | 19 | 38 | 12 | 31 | 27 | 46 | 27 | 30 | 27 | 103608.4 | |
| | | 103609.1 | 103609 | 18 | 26x1.5 | 21 | 40 | 13.5 | 32.5 | 30 | 49 | 32 | 36 | 32 | 103609.4 | |
| | S | 160 | 103610.1 | 103610 | 22 | 30x2 | 24 | 42 | 16.5 | 34.5 | 33 | 51 | 36 | 41 | 36 | 103610.4 |
| | | | 103611.1 | 103611 | 28 | 36x2 | 26 | 43 | 18.5 | 35.5 | 35 | 52 | 41 | 46 | 41 | 103611.4 |
| | | | 103612.1 | 103612 | 35 | 45x2 | 29 | 47 | 18.5 | 36.5 | 40 | 58 | 50 | 55 | 50 | 103612.4 |
| | | | 103613.1 | 103613 | 42 | 52x2 | 30 | 47 | 19 | 36 | 42 | 59 | 60 | 65 | 60 | 103613.4 |
| | | | 103614.1 | 103614 | 6 | 14x1.5 | 19 | 36 | 12 | 29 | 27 | 44 | 19 | 19 | 17 | 103614.4 |
| | | | 103615.1 | 103615 | 8 | 16x1.5 | 20 | 36 | 13 | 29 | 28 | 44 | 22 | 22 | 19 | 103615.4 |
| S | 630 | 103616.1 | 103616 | 10 | 18x1.5 | 22 | 37 | 14.5 | 29.5 | 31 | 46 | 24 | 24 | 22 | 103616.4 | |
| | | 103617.1 | 103617 | 12 | 20x1.5 | 22 | 38 | 14.5 | 30.5 | 31 | 47 | 27 | 27 | 24 | 103617.4 | |
| | | 103618.1 | 103618 | 14 | 22x1.5 | 25 | 40 | 17 | 32 | 35 | 50 | 30 | 30 | 27 | 103618.4 | |
| | | 103619.1 | 103619 | 16 | 24x1.5 | 25 | 40 | 16.5 | 31.5 | 35 | 50 | 32 | 32 | 30 | 103619.4 | |
| | | 103620.1 | 103620 | 20 | 30x2 | 28 | 44 | 17.5 | 33.5 | 39 | 55 | 41 | 41 | 36 | 103620.4 | |
| | | 103621.1 | 103621 | 25 | 36x2 | 32 | 47 | 20 | 35 | 44 | 59 | 46 | 46 | 46 | 103621.4 | |
| S | 400 | 103622.1 | 103622 | 30 | 42x2 | 35 | 51 | 21.5 | 37.5 | 48 | 64 | 50 | 50 | 103622.4 | | |
| | | 103623.1 | 103623 | 38 | 52x2 | 38 | 53 | 22 | 37 | 53 | 68 | 65 | 65 | 60 | 103623.4 | |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 10.. na 11.. np. 108601 na 118601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 10.. to 11.. ex. 108601 to 118601

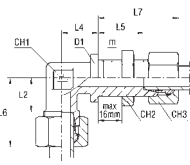
ZŁĄCZE GRODZIOWE KOLANOWE SKRĘCANE

BULKHEAD ELBOW SCREW COUPLING

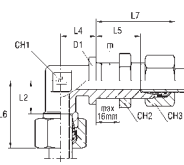
1037...1
Korpus (Only Body)



1037...
B3 Pierścień (Ring)



1037...4
B4 Pierścień (Ring)

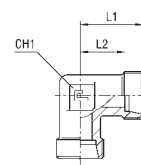


| Seria (Series) | Cisnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | m | L1 | L2 | L3 | L4 | L5 | L6 | L7 | D1 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring)* |
|----------------|-----------------|---|--|-----------------|--------|----|------|----|----|------|----|----|----|-----|-----|-----|--|
| L | 315 | 103704.1 | 103704 | 6 | 12x1.5 | 19 | 12 | 34 | 14 | 27 | 19 | 42 | 17 | 12 | 17 | 14 | 103704.4 |
| | | 103705.1 | 103705 | 8 | 14x1.5 | 21 | 14 | 34 | 17 | 27 | 21 | 42 | 19 | 12 | 19 | 17 | 103705.4 |
| | | 103706.1 | 103706 | 10 | 16x1.5 | 22 | 15 | 35 | 18 | 28 | 22 | 43 | 22 | 14 | 22 | 19 | 103706.4 |
| | | 103707.1 | 103707 | 12 | 18x1.5 | 24 | 17 | 36 | 20 | 29 | 24 | 44 | 24 | 17 | 24 | 22 | 103707.4 |
| | | 103708.1 | 103708 | 15 | 22x1.5 | 28 | 21 | 38 | 23 | 31 | 28 | 46 | 27 | 19 | 30 | 27 | 103708.4 |
| | | 103709.1 | 103709 | 18 | 26x1.5 | 31 | 23.5 | 40 | 24 | 32.5 | 31 | 49 | 32 | 24 | 36 | 32 | 103709.4 |
| | | 103710.1 | 103710 | 22 | 30x2 | 35 | 27.5 | 42 | 30 | 34.5 | 35 | 51 | 36 | 27 | 41 | 36 | 103710.4 |
| | | 103711.1 | 103711 | 28 | 36x2 | 38 | 30.5 | 43 | 34 | 35.5 | 38 | 52 | 42 | 36 | 46 | 41 | 103711.4 |
| | | 103712.1 | 103712 | 35 | 43x2 | 45 | 34.5 | 47 | 39 | 36.5 | 45 | 58 | 50 | 41 | 55 | 50 | 103712.4 |
| | | 103713.1 | 103713 | 42 | 52x2 | 51 | 40 | 47 | 43 | 36 | 51 | 59 | 60 | 50 | 65 | 60 | 103713.4 |
| S | 630 | 103714.1 | 103714 | 6 | 14x1.5 | 23 | 16 | 36 | 17 | 29 | 23 | 44 | 19 | 12 | 19 | 17 | 103714.4 |
| | | 103715.1 | 103715 | 8 | 16x1.5 | 24 | 17 | 36 | 18 | 29 | 24 | 44 | 22 | 14 | 22 | 19 | 103715.4 |
| | | 103716.1 | 103716 | 10 | 18x1.5 | 25 | 17.5 | 37 | 20 | 29.5 | 25 | 46 | 24 | 17 | 24 | 22 | 103716.4 |
| | | 103717.1 | 103717 | 12 | 20x1.5 | 29 | 21.5 | 38 | 21 | 30.5 | 29 | 47 | 27 | 17 | 27 | 24 | 103717.4 |
| | | 103718.1 | 103718 | 14 | 22x1.5 | 30 | 22 | 40 | 23 | 32 | 30 | 50 | 27 | 19 | 30 | 27 | 103718.4 |
| | | 103719.1 | 103719 | 16 | 24x1.5 | 33 | 24.5 | 40 | 24 | 31.5 | 33 | 50 | 30 | 24 | 32 | 30 | 103719.4 |
| | | 103720.1 | 103720 | 20 | 30x2 | 37 | 26.5 | 44 | 30 | 33.5 | 37 | 55 | 36 | 27 | 41 | 36 | 103720.4 |
| | | 103721.1 | 103721 | 25 | 36x2 | 42 | 30 | 47 | 34 | 38 | 42 | 59 | 42 | 36 | 46 | 46 | 103721.4 |
| | | 103722.1 | 103722 | 30 | 42x2 | 49 | 35.5 | 51 | 39 | 37.5 | 49 | 64 | 50 | 41 | 50 | 50 | 103722.4 |
| | | 103723.1 | 103723 | 38 | 52x2 | 57 | 41 | 53 | 43 | 37 | 57 | 68 | 60 | 50 | 65 | 60 | 103723.4 |

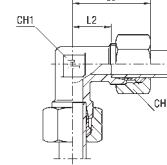
ZŁĄCZE KOLANOWE

EQUAL ELBOW

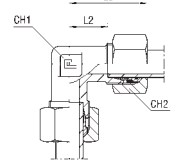
1038...1
Korpus (Only Body)



1038...
B3 Pierścień (Ring)



1038...4
B4 Pierścień (Ring)

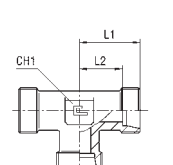


| Seria (Series) | Cisnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | L1 | L2 | L3 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring)* |
|----------------|-----------------|---|--|-----------------|----|------|----|-----|-----|--|
| LL | 100 | 103801.1 | 103801 | 4 | 15 | 11 | 21 | 9 | 10 | - |
| | | 103802.1 | 103802 | 6 | 15 | 9.5 | 21 | 9 | 12 | - |
| | | 103803.1 | 103803 | 8 | 17 | 11.5 | 23 | 12 | 14 | - |
| L | 315 | 103804.1 | 103804 | 6 | 19 | 12 | 27 | 12 | 14 | 103804.4 |
| | | 103805.1 | 103805 | 8 | 21 | 14 | 29 | 12 | 17 | 103805.4 |
| | | 103806.1 | 103806 | 10 | 22 | 15 | 30 | 14 | 19 | 103806.4 |
| | | 103807.1 | 103807 | 12 | 24 | 17 | 32 | 17 | 22 | 103807.4 |
| | | 103808.1 | 103808 | 15 | 28 | 21 | 36 | 19 | 27 | 103808.4 |
| | | 103809.1 | 103809 | 18 | 31 | 23.5 | 40 | 24 | 32 | 103809.4 |
| | | 103810.1 | 103810 | 22 | 35 | 27.5 | 44 | 27 | 36 | 103810.4 |
| | | 103811.1 | 103811 | 28 | 38 | 30.5 | 47 | 36 | 41 | 103811.4 |
| | | 103812.1 | 103812 | 35 | 45 | 34.5 | 56 | 41 | 50 | 103812.4 |
| | | 103813.1 | 103813 | 42 | 51 | 40 | 63 | 50 | 60 | 103813.4 |
| S | 630 | 103814.1 | 103814 | 6 | 23 | 16 | 31 | 12 | 17 | 103814.4 |
| | | 103815.1 | 103815 | 8 | 24 | 17 | 32 | 14 | 19 | 103815.4 |
| | | 103816.1 | 103816 | 10 | 25 | 17.5 | 34 | 17 | 22 | 103816.4 |
| | | 103817.1 | 103817 | 12 | 29 | 21.5 | 38 | 17 | 24 | 103817.4 |
| | | 103818.1 | 103818 | 14 | 30 | 22 | 40 | 19 | 27 | 103818.4 |
| | | 103819.1 | 103819 | 16 | 33 | 24.5 | 43 | 24 | 30 | 103819.4 |
| | | 103820.1 | 103820 | 20 | 37 | 26.5 | 48 | 27 | 36 | 103820.4 |
| | | 103821.1 | 103821 | 25 | 42 | 30 | 54 | 36 | 46 | 103821.4 |
| | | 103822.1 | 103822 | 30 | 49 | 35.5 | 62 | 41 | 50 | 103822.4 |
| | | 103823.1 | 103823 | 38 | 57 | 41 | 72 | 50 | 60 | 103823.4 |

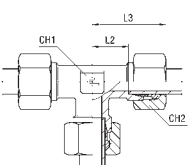
ZŁĄCZE TRÓJNIKOWE

EQUAL CROSS

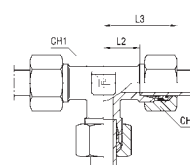
1039...1
Korpus (Only Body)



1039...
B3 Pierścień (Ring)



1039...4
B4 Pierścień (Ring)

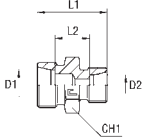


| Seria (Series) | Cisnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | L1 | L2 | L3 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring)* |
|----------------|-----------------|---|--|-----------------|----|------|----|-----|-----|--|
| LL | 100 | 103901.1 | 103901 | 4 | 15 | 11 | 21 | 9 | 10 | - |
| | | 103902.1 | 103902 | 6 | 15 | 9.5 | 21 | 9 | 12 | - |
| | | 103903.1 | 103903 | 8 | 17 | 11.5 | 23 | 12 | 14 | - |
| L | 315 | 103904.1 | 103904 | 6 | 19 | 12 | 27 | 12 | 14 | 103904.4 |
| | | 103905.1 | 103905 | 8 | 21 | 14 | 29 | 12 | 17 | 103905.4 |
| | | 103906.1 | 103906 | 10 | 22 | 15 | 30 | 14 | 19 | 103906.4 |
| | | 103907.1 | 103907 | 12 | 24 | 17 | 32 | 17 | 22 | 103907.4 |
| | | 103908.1 | 103908 | 15 | 28 | 21 | 36 | 19 | 27 | 103908.4 |
| | | 103909.1 | 103909 | 18 | 31 | 23.5 | 40 | 24 | 32 | 103909.4 |
| | | 103910.1 | 103910 | 22 | 35 | 27.5 | 44 | 27 | 36 | 103910.4 |
| | | 103911.1 | 103911 | 28 | 38 | 30.5 | 47 | 36 | 41 | 103911.4 |
| | | 103912.1 | 103912 | 35 | 45 | 34.5 | 56 | 41 | 50 | 103912.4 |
| | | 103913.1 | 103913 | 42 | 51 | 40 | 63 | 50 | 60 | 103913.4 |
| S | 630 | 103914.1 | 103914 | 6 | 23 | 16 | 31 | 12 | 17 | 103914.4 |
| | | 103915.1 | 103915 | 8 | 24 | 17 | 32 | 14 | 19 | 103915.4 |
| | | 103916.1 | 103916 | 10 | 25 | 17.5 | 34 | 17 | 22 | 103916.4 |
| | | 103917.1 | 103917 | 12 | 29 | 21.5 | 38 | | | |

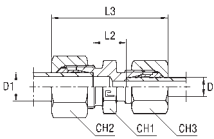
DIN 2353

ZŁĄCZE REDUKCYJNE PROSTE STRAIGHT REDUCING COUPLING

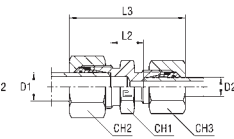
1041...1
Korpus (Only Body)



1041...
B3 Pierścień (Ring)



1041...4
B4 Pierścień (Ring)

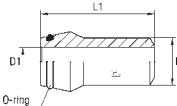


| Series (Seria) | Pressure (Ciśnienie) | Body Code (Kod zamówienia korpusu) | B3 Ring Code (Kod zamówienia pierścienia B3) | B4 Ring Code (Kod zamówienia pierścienia B4) | Ø Rury (Ø Tube) | D1 | D2 | L1 | L2 | L3 | CH1 | CH2 | CH3 | Body Code (Kod zamówienia korpusu) |
|----------------|----------------------|------------------------------------|--|--|-----------------|------|------|------|----|----|-----|-----|----------|------------------------------------|
| L | 315 | 104104.1 | 104104 | 8 | 6 | 25 | 11 | 40.5 | 14 | 17 | 14 | | | 104104.4 |
| | | 104105.1 | 104105 | 10 | 6 | 26 | 12 | 41.5 | 17 | 19 | 14 | | | 104105.4 |
| | | 104106.1 | 104106 | 10 | 8 | 26 | 12 | 42 | 17 | 19 | 17 | | | 104106.4 |
| | | 104107.1 | 104107 | 12 | 6 | 27 | 13 | 42 | 19 | 22 | 14 | | | 104107.4 |
| | | 104108.1 | 104108 | 12 | 8 | 27 | 13 | 42.5 | 19 | 22 | 17 | | | 104108.4 |
| | | 104109.1 | 104109 | 12 | 10 | 28 | 14 | 43.5 | 19 | 22 | 19 | | | 104109.4 |
| | | 104110.1 | 104110 | 15 | 10 | 29 | 15 | 45 | 24 | 27 | 19 | | | 104110.4 |
| | | 104111.1 | 104111 | 15 | 12 | 29 | 15 | 44.5 | 24 | 27 | 22 | | | 104111.4 |
| | | 104112.1 | 104112 | 18 | 10 | 30 | 15.5 | 47 | 27 | 32 | 19 | | | 104112.4 |
| | | 104113.1 | 104113 | 18 | 12 | 30 | 15.5 | 46.5 | 27 | 32 | 22 | | | 104113.4 |
| | | 104114.1 | 104114 | 18 | 15 | 31 | 16.5 | 48 | 27 | 32 | 27 | | | 104114.4 |
| | | 104115.1 | 104115 | 12 | 12 | 32 | 17.5 | 48.5 | 32 | 36 | 22 | | | 104115.4 |
| S | 160 | 104116.1 | 104116 | 15 | 33 | 18.5 | 50 | 32 | 36 | 27 | | | 104116.4 | |
| | | 104117.1 | 104117 | 22 | 18 | 33 | 18 | 51 | 32 | 36 | 32 | | | 104117.4 |
| | | 104118.1 | 104118 | 28 | 18 | 34 | 19 | 52 | 41 | 41 | 32 | | | 104118.4 |
| | | 104119.1 | 104119 | 28 | 22 | 36 | 21 | 54 | 41 | 41 | 36 | | | 104119.4 |
| | | 104120.1 | 104120 | 35 | 22 | 39 | 21 | 59 | 46 | 50 | 36 | | | 104120.4 |
| | | 104121.1 | 104121 | 35 | 28 | 39 | 21 | 59 | 46 | 50 | 41 | | | 104121.4 |
| | | 104122.1 | 104122 | 8 | 6 | 32 | 18 | 48 | 17 | 19 | 17 | | | 104122.4 |
| | | 104123.1 | 104123 | 10 | 6 | 32 | 17.5 | 48.5 | 19 | 22 | 17 | | | 104123.4 |
| | | 104124.1 | 104124 | 10 | 8 | 32 | 17.5 | 48.5 | 19 | 22 | 19 | | | 104124.4 |
| | | 104125.1 | 104125 | 12 | 6 | 34 | 19.5 | 50.5 | 22 | 24 | 17 | | | 104125.4 |
| | | 104126.1 | 104126 | 12 | 8 | 34 | 19.5 | 50.5 | 22 | 24 | 19 | | | 104126.4 |
| | | 104127.1 | 104127 | 12 | 10 | 34 | 19 | 51 | 22 | 24 | 22 | | | 104127.4 |
| S | 400 | 104128.1 | 104128 | 14 | 10 | 36 | 20.5 | 54.5 | 24 | 27 | 22 | | | 104128.4 |
| | | 104129.1 | 104129 | 14 | 12 | 36 | 20.5 | 54.5 | 24 | 27 | 24 | | | 104129.4 |
| | | 104130.1 | 104130 | 16 | 12 | 36 | 20 | 54.5 | 27 | 30 | 24 | | | 104130.4 |
| | | 104131.1 | 104131 | 16 | 14 | 38 | 21.5 | 59 | 27 | 30 | 27 | | | 104131.4 |
| | | 104132.1 | 104132 | 20 | 10 | 40 | 22 | 59.5 | 32 | 36 | 22 | | | 104132.4 |
| | | 104133.1 | 104133 | 20 | 12 | 40 | 22 | 59.5 | 32 | 36 | 24 | | | 104133.4 |
| | | 104134.1 | 104134 | 20 | 16 | 42 | 23 | 63 | 32 | 36 | 30 | | | 104134.4 |
| | | 104135.1 | 104135 | 25 | 16 | 46 | 25.5 | 68 | 41 | 46 | 30 | | | 104135.4 |
| | | 104136.1 | 104136 | 25 | 20 | 48 | 25.5 | 71 | 41 | 46 | 36 | | | 104136.4 |
| | | 104137.1 | 104137 | 30 | 20 | 50 | 26 | 74 | 46 | 50 | 36 | | | 104137.4 |
| | | 104138.1 | 104138 | 30 | 25 | 52 | 26.5 | 77 | 46 | 50 | 46 | | | 104138.4 |
| | | 104139.1 | 104139 | 38 | 30 | 59 | 29.5 | 87 | 55 | 60 | 50 | | | 104139.4 |

Uwaga: inne rozmiary przyłącza dostępne na zapytanie.
Attention: other sizes available upon request.

KOŃCÓWKA STOŻKOWA DO SPAWANIA Z USZCZELNIENIEM TYPU O-RING WELDING NIPPLE WITH O-RING (DELIVERED UNASSEMBLED)

1057...
Korpus (Only Body)

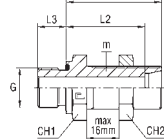


| Series (Seria) | Pressure (Ciśnienie) | Body Code (Kod zamówienia korpusu) | Ring Thickness (Grubość ścianki) | Ø Rury (Ø Tube) | D1 | D2 | L1 |
|----------------|----------------------|------------------------------------|----------------------------------|-----------------|------|----|------|
| L/S | 315 | 105701 | 6x1.75 | 6 | 2.5 | 6 | 31 |
| | | 105702 | 8x2 | 8 | 4 | 8 | 31 |
| | | 105703 | 10x1.5 | 10 | 7 | 10 | 32.5 |
| | | 105704 | 10x2 | 10 | 8 | 10 | 32.5 |
| | | 105705 | 12x1.5 | 12 | 9 | 12 | 32.5 |
| | | 105706 | 12x2 | 12 | 8 | 12 | 32.5 |
| L | 160 | 105707 | 12x2.5 | 12 | 7 | 12 | 32.5 |
| | | 105708 | 15x2.5 | 15 | 10 | 15 | 34 |
| | | 105709 | 18x2.5 | 18 | 13 | 18 | 35.5 |
| | | 105710 | 22x2.5 | 22 | 17 | 22 | 38.5 |
| | | 105711 | 28x2.5 | 28 | 23 | 28 | 41.5 |
| | | 105712 | 35x3 | 35 | 29 | 35 | 47.5 |
| S | 400 | 105713 | 42x3 | 42 | 36 | 42 | 47.5 |
| | | 105714 | 14x3 | 14 | 8 | 14 | 38.5 |
| | | 105715 | 16x2 | 16 | 12 | 16 | 39 |
| | | 105716 | 16x2.5 | 16 | 11 | 16 | 39 |
| | | 105717 | 16x3 | 16 | 10 | 16 | 39 |
| | | 105718 | 20x2.5 | 20 | 15 | 20 | 45 |
| | | 105719 | 20x3 | 20 | 14 | 20 | 45 |
| | | 105720 | 20x4 | 20 | 12 | 20 | 45 |
| | | 105721 | 25x3 | 25 | 19 | 25 | 49.5 |
| | | 105722 | 25x4 | 25 | 17 | 25 | 49.5 |
| | | 105723 | 25x5 | 25 | 15 | 25 | 49.5 |
| | | 105724 | 30x3 | 30 | 24 | 30 | 52 |
| 105725 | 30x4 | 30 | 22 | 30 | 52 | | |
| 105726 | 30x5 | 30 | 20 | 30 | 52 | | |
| 105727 | 30x6 | 30 | 18 | 30 | 52 | | |
| 105728 | 38x3 | 38 | 32 | 38 | 56.5 | | |
| 105729 | 38x5 | 38 | 28 | 38 | 56.5 | | |
| 105730 | 38x6 | 38 | 26 | 38 | 56.5 | | |
| 105731 | 38x7 | 38 | 22 | 38 | 56.5 | | |

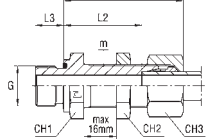
Uwaga: inne rozmiary przyłącza dostępne na zapytanie.
Attention: other sizes available upon request.

PRZYŁĄCZE GRODZIOWE Z GWINTEM BSP Z USZCZELNIENIEM ELASTOMEROWYM BULKHEAD CONNECTION WITH ELASTOMER SEAL THREAD BSP PARALLEL

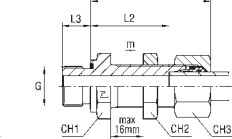
1049...1
Korpus (Only Body)



1049...
B3 Pierścień (Ring)



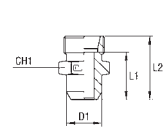
1049...4
B4 Pierścień (Ring)



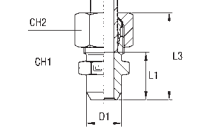
| Series (Seria) | Pressure (Ciśnienie) | Body Code (Kod zamówienia korpusu) | B3 Ring Code (Kod zamówienia pierścienia B3) | B4 Ring Code (Kod zamówienia pierścienia B4) | Ø Rury (Ø Tube) | m | G | L1 | L2 | L3 | L4 | CH1 | CH2 | CH3 | Body Code (Kod zamówienia korpusu) |
|----------------|----------------------|------------------------------------|--|--|-----------------|-------|------|------|----|------|----|-----|-----|-----|------------------------------------|
| L | 315 | 104904.1 | 104904 | 6 | 12x1.5 | 1/8 | 39.5 | 32.5 | 8 | 47.5 | 17 | 17 | 14 | 14 | 104904.4 |
| | | 104905.1 | 104905 | 8 | 14x1.5 | 1/4 | 41 | 34 | 12 | 49 | 19 | 19 | 17 | 17 | 104905.4 |
| | | 104906.1 | 104906 | 10 | 16x1.5 | 1/4 | 43 | 36 | 12 | 51 | 22 | 22 | 19 | 19 | 104906.4 |
| | | 104907.1 | 104907 | 12 | 18x1.5 | 3/8 | 44.5 | 37.5 | 12 | 52.5 | 24 | 24 | 22 | 22 | 104907.4 |
| | | 104908.1 | 104908 | 15 | 22x1.5 | 1/2 | 48 | 41 | 14 | 56 | 27 | 30 | 27 | 27 | 104908.4 |
| | | 104909.1 | 104909 | 18 | 26x1.5 | 1/2 | 52 | 44.5 | 14 | 61 | 32 | 36 | 32 | 32 | 104909.4 |
| | | 104910.1 | 104910 | 22 | 30x2 | 3/4 | 55 | 47.5 | 16 | 64 | 36 | 41 | 36 | 36 | 104910.4 |
| | | 104911.1 | 104911 | 28 | 36x2 | 1 | 58 | 50.5 | 18 | 67 | 41 | 46 | 41 | 46 | 104911.4 |
| | | 104912.1 | 104912 | 35 | 45x2 | 1 1/4 | 63 | 52.5 | 20 | 74 | 50 | 55 | 50 | 55 | 104912.4 |
| | | 104913.1 | 104913 | 42 | 52x2 | 1 1/2 | 64 | 53 | 22 | 76 | 60 | 65 | 60 | 65 | 104913.4 |
| | | 104914.1 | 104914 | 6 | 14x1.5 | 1/4 | 45 | 38 | 12 | 53 | 19 | 19 | 17 | 17 | 104914.4 |
| | | 104915.1 | 104915 | 8 | 16x1.5 | 1/4 | 48 | 39 | 12 | 54 | 22 | 22 | 19 | 19 | 104915.4 |
| S | 160 | 104916.1 | 104916 | 10 | 18x1.5 | 3/8 | 49 | 41.5 | 12 | 58 | 24 | 24 | 22 | 22 | 104916.4 |
| | | 104917.1 | 104917 | 12 | 20x1.5 | 3/8 | 50 | 42.5 | 12 | 59 | 27 | 27 | 24 | 24 | 104917.4 |
| | | 104918.1 | 104918 | 14 | 22x1.5 | 1/2 | 54 | 46 | 14 | 64 | 30 | 30 | 27 | 27 | 104918.4 |
| | | 104919.1 | 104919 | 16 | 24x1.5 | 1/2 | 54 | 45.5 | 14 | 64 | 32 | 32 | 30 | 30 | 104919.4 |
| | | 104920.1 | 104920 | 20 | 30x2 | 3/4 | 59 | 48.5 | 16 | 72 | 41 | 41 | 36 | 36 | 104920.4 |
| | | 104921.1 | 104921 | 25 | 36x2 | 1 | 64 | 52 | 18 | 76 | 46 | 46 | 46 | 46 | 104921.4 |
| | | 104922.1 | 104922 | 30 | 42x2 | 1 1/4 | 69 | 55.5 | 20 | 82 | 50 | 50 | 50 | 50 | 104922.4 |
| | | 104923.1 | 104923 | 38 | 52x2 | 1 1/2 | 72 | 56 | 22 | 87 | 60 | 65 | 60 | 65 | 104923.4 |

PRZYŁĄCZE DO SPAWANIA WELDING BOSS

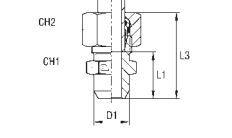
1055...1
Korpus (Only Body)



1055...
B3 Pierścień (Ring)



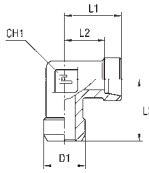
1055...4
B4 Pierścień (Ring)



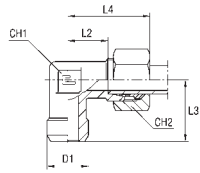
| Series (Seria) | Pressure (Ciśnienie) | Body Code (Kod zamówienia korpusu) | B3 Ring Code (Kod zamówienia pierścienia B3) | B4 Ring Code (Kod zamówienia pierścienia B4) | Ø Rury (Ø Tube) | D1 | L1 | L2 | L3 | CH2 | CH3 | Body Code (Kod zamówienia korpusu) | |
|----------------|----------------------|------------------------------------|--|--|-----------------|------|----|----|----|-----|-----|------------------------------------|----------|
| L | 315 | 105504.1 | 105504 | 6 | 10 | 14 | 21 | 29 | 12 | 14 | | 105504.4 | |
| | | 105505.1 | 105505 | 8 | 12 | 16 | 23 | 31 | 14 | 17 | | | 105505.4 |
| | | 105506.1 | 105506 | 10 | 14 | 18 | 25 | 33 | 17 | 19 | | | 105506.4 |
| | | 105507.1 | 105507 | 12 | 16 | 18 | 25 | 33 | 19 | 22 | | | 105507.4 |
| | | 105508.1 | 105508 | 15 | 19 | 22 | 29 | 37 | 27 | 27 | | | 105508.4 |
| | | 105509.1 | 105509 | 18 | 22 | 23.5 | 31 | 40 | 27 | 32 | | | 105509.4 |
| | | 105510.1 | 105510 | 22 | 27 | 28.5 | 36 | 45 | 32 | 36 | | | 105510.4 |
| | | 105511.1 | 105511 | 28 | 32 | 30.5 | 38 | 47 | 41 | 41 | | | 105511.4 |
| | | 105512.1 | 105512 | 35 | 40 | 32.5 | 43 | 54 | 46 | 50 | | | 105512.4 |
| | | 105513.1 | 105513 | 42 | 48 | 35 | 46 | 58 | 55 | 60 | | | 105513.4 |
| | | 105514.1 | 105514 | 6 | 11 | 19 | 26 | 34 | 14 | 17 | | | 105514.4 |
| | | 105515.1 | 105515 | 8 | 13 | 21 | 28 | 36 | 17 | 19 | | | 105515.4 |
| S | 160 | 105516.1 | 105516 | 10 | 15 | 22.5 | 30 | 39 | 19 | 22 | | 105516.4 | |
| | | 105517.1 | 105517 | 12 | 17 | 24.5 | 32 | 41 | 22 | 24 | | 105517.4 | |
| | | 105518.1 | 105518 | 14 | 19 | 27 | 35 | 45 | 24 | 27 | | 105518.4 | |
| | | 105519.1 | 105519 | 16 | 21 | 26.5 | 35 | 45 | 27 | 30 | | 105519.4 | |
| | | 105520.1 | 105520 | 20 | 26 | 29.5 | 40 | 51 | 32 | 36 | | 105 | |

PRZYŁĄCZE KOLANOWE DO SPAWANIA WELDING ELBOW

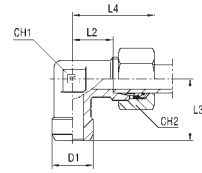
1058...1
Korpus (Only Body)



1058...
B3 Pierścieni (Ring)



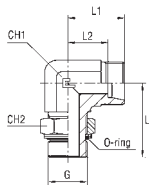
1058...4
B4 Pierścieni (Ring)



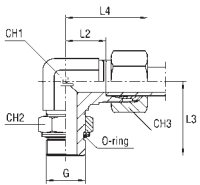
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | D1 | L1 | L2 | L3 | L4 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring)* |
|----------------|-----------------|---|--|-----------------|----|----|------|----|----|-----|-----|--|
| L | 315 | 105804.1 | 105804 | 6 | 10 | 19 | 12 | 19 | 27 | 12 | 14 | 105804.4 |
| | | 105805.1 | 105805 | 8 | 12 | 21 | 14 | 21 | 29 | 12 | 17 | 105805.4 |
| | | 105806.1 | 105806 | 10 | 14 | 22 | 15 | 22 | 30 | 14 | 19 | 105806.4 |
| | | 105807.1 | 105807 | 12 | 16 | 24 | 17 | 24 | 32 | 17 | 22 | 105807.4 |
| | | 105808.1 | 105808 | 15 | 19 | 28 | 21 | 28 | 36 | 19 | 27 | 105808.4 |
| | 160 | 105809.1 | 105809 | 18 | 22 | 31 | 23.5 | 31 | 40 | 24 | 32 | 105809.4 |
| | | 105810.1 | 105810 | 22 | 27 | 35 | 27.5 | 35 | 44 | 27 | 36 | 105810.4 |
| | | 105811.1 | 105811 | 28 | 32 | 38 | 30.5 | 38 | 47 | 36 | 41 | 105811.4 |
| | | 105812.1 | 105812 | 35 | 40 | 45 | 34.5 | 45 | 56 | 41 | 50 | 105812.4 |
| | | 105813.1 | 105813 | 42 | 46 | 51 | 40 | 51 | 63 | 50 | 60 | 105813.4 |
| S | 630 | 105814.1 | 105814 | 6 | 11 | 23 | 16 | 23 | 31 | 12 | 17 | 105814.4 |
| | | 105815.1 | 105815 | 8 | 13 | 24 | 17 | 24 | 32 | 14 | 19 | 105815.4 |
| | | 105816.1 | 105816 | 10 | 15 | 25 | 17.5 | 25 | 34 | 17 | 22 | 105816.4 |
| | | 105817.1 | 105817 | 12 | 17 | 28 | 21.5 | 29 | 38 | 17 | 24 | 105817.4 |
| | | 105818.1 | 105818 | 14 | 19 | 30 | 22 | 30 | 40 | 19 | 27 | 105818.4 |
| | 400 | 105819.1 | 105819 | 16 | 21 | 33 | 24.5 | 33 | 43 | 24 | 30 | 105819.4 |
| | | 105820.1 | 105820 | 20 | 26 | 37 | 26.5 | 37 | 48 | 27 | 36 | 105820.4 |
| | | 105821.1 | 105821 | 25 | 31 | 42 | 30 | 42 | 54 | 36 | 46 | 105821.4 |
| | | 105822.1 | 105822 | 30 | 36 | 49 | 35.5 | 49 | 62 | 41 | 50 | 105822.4 |
| | | 105823.1 | 105823 | 38 | 44 | 57 | 41 | 57 | 72 | 50 | 60 | 105823.4 |

PRZYŁĄCZE KOLANOWE NASTAWNE Z GWIEMEM BSP Z PRZECIWNĄKRĘTKĄ ADJUSTABLE DIN MALE STUD ELBOW WITH O-RING AND WASHER - THREAD BSP PARALLEL

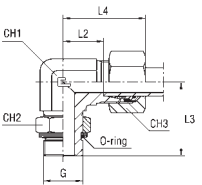
1061...1
Korpus (Only Body)



1061...
B3 Pierścieni (Ring)



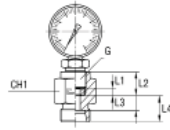
1061...4
B4 Pierścieni (Ring)



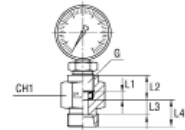
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring)* |
|----------------|-----------------|---|--|-----------------|-------|----|------|----|----|-----|-----|-----|--|
| L | 315 | 106104.1 | 106104 | 6 | 1/8 | 19 | 12 | 26 | 27 | 11 | 14 | 14 | 106104.4 |
| | | 106105.1 | 106105 | 8 | 1/4 | 21 | 14 | 32 | 29 | 14 | 19 | 17 | 106105.4 |
| | | 106106.1 | 106106 | 10 | 1/4 | 22 | 15 | 32 | 30 | 14 | 19 | 19 | 106106.4 |
| | | 106107.1 | 106107 | 12 | 3/8 | 24 | 17 | 37 | 32 | 19 | 22 | 22 | 106107.4 |
| | | 106108.1 | 106108 | 15 | 1/2 | 28 | 21 | 44 | 36 | 22 | 27 | 27 | 106108.4 |
| | 160 | 106109.1 | 106109 | 18 | 1/2 | 31 | 23.5 | 47 | 40 | 27 | 32 | 32 | 106109.4 |
| | | 106110.1 | 106110 | 22 | 3/4 | 35 | 27.5 | 51 | 44 | 27 | 36 | 36 | 106110.4 |
| | | 106111.1 | 106111 | 28 | 1 | 38 | 30.5 | 53 | 47 | 33 | 41 | 41 | 106111.4 |
| | | 106112.1 | 106112 | 35 | 1 1/4 | 45 | 34.5 | 59 | 56 | 41 | 50 | 50 | 106112.4 |
| | | 106113.1 | 106113 | 42 | 1 1/2 | 51 | 40 | 64 | 63 | 48 | 55 | 60 | 106113.4 |
| S | 315 | 106114.1 | 106114 | 6 | 1/4 | 23 | 16 | 32 | 31 | 14 | 19 | 17 | 106114.4 |
| | | 106115.1 | 106115 | 8 | 1/4 | 24 | 17 | 32 | 32 | 14 | 19 | 19 | 106115.4 |
| | | 106116.1 | 106116 | 10 | 3/8 | 25 | 17.5 | 37 | 34 | 19 | 22 | 22 | 106116.4 |
| | | 106117.1 | 106117 | 12 | 3/8 | 29 | 21.5 | 37 | 38 | 19 | 22 | 24 | 106117.4 |
| | | 106118.1 | 106118 | 14 | 1/2 | 30 | 22 | 44 | 40 | 22 | 27 | 27 | 106118.4 |
| | 250 | 106119.1 | 106119 | 16 | 1/2 | 33 | 24.5 | 47 | 43 | 27 | 37 | 30 | 106119.4 |
| | | 106120.1 | 106120 | 20 | 3/4 | 37 | 26.5 | 51 | 48 | 27 | 36 | 36 | 106120.4 |
| | | 106121.1 | 106121 | 25 | 1 | 42 | 30 | 53 | 54 | 33 | 41 | 46 | 106121.4 |
| | | 106122.1 | 106122 | 30 | 1 1/4 | 49 | 35.5 | 59 | 62 | 41 | 50 | 50 | 106122.4 |
| | | 106123.1 | 106123 | 38 | 1 1/2 | 57 | 41 | 64 | 72 | 48 | 55 | 60 | 106123.4 |

KORPUS PRZYŁĄCZA MANOMETRU Z GWIEMEM BSP GAUGE COUPLING THREAD BSP PARALLEL

1059..1
Korpus (Only body)
z pierścieniem uszczelniającym
(With metal ferrule)



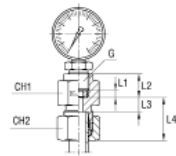
1059..1.4
Korpus (only body)
z pierścieniem uszczelniającym typu o-ring
(With o-ring ferrule)



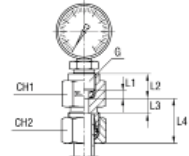
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu + pierścienia uszczelniającego (Ordering Body + Ferrule)* | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | CH1 | Kod zamówienia korpusu + pierścienia uszczelniającego (Ordering Body + Ferrule)* |
|----------------|-----------------|--|-----------------|-----|-----|------|------|------|-----|--|
| L | 315 | 105904.1 | 6 | 1/4 | 4.5 | 14.5 | 7.5 | 14.5 | 19 | 105904.1.4 |
| | | 105905.1 | 8 | 1/4 | 4.5 | 14.5 | 7.5 | 14.5 | 19 | 105905.1.4 |
| | | 105906.1 | 10 | 1/4 | 4.5 | 14.5 | 8.5 | 15.5 | 19 | 105906.1.4 |
| | | 105907.1 | 12 | 1/4 | 4.5 | 14.5 | 8.5 | 15.5 | 19 | 105907.1.4 |
| | | 105914.1 | 6 | 1/2 | 5 | 20 | 11 | 18 | 30 | 105914.1.4 |
| | | 105915.1 | 8 | 1/2 | 5 | 20 | 11 | 18 | 30 | 105915.1.4 |
| S | 630 | 105916.1 | 10 | 1/2 | 5 | 20 | 10.5 | 18 | 30 | 105916.1.4 |
| | | 105917.1 | 12 | 1/2 | 5 | 20 | 10.5 | 18 | 30 | 105917.1.4 |

PRZYŁĄCZE MANOMETRU Z GWIEMEM BSP GAUGE COUPLING THREAD BSP PARALLEL

1059...
Pierścieni B3 (B3 Ring)
z pierścieniem uszczelniającym
(With metal ferrule)



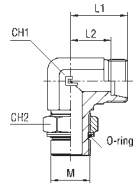
1059...4
Pierścieni B4 (B4 Ring)
z pierścieniem uszczelniającym typu o-ring
(With o-ring ferrule)



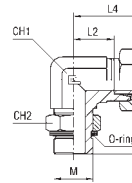
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia pierścienia "B3" + pierścienia uszczelniającego (Ordering B3 + Ferrule)* | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | CH1 | CH2 | Kod zamówienia pierścienia "B4" + pierścienia uszczelniającego (Ordering B4 + Ferrule)* |
|----------------|-----------------|---|-----------------|-----|-----|------|------|------|-----|-----|---|
| L | 315 | 105904 | 6 | 1/4 | 4.5 | 14.5 | 7.5 | 22.5 | 19 | 14 | 105904.4 |
| | | 105905 | 8 | 1/4 | 4.5 | 14.5 | 7.5 | 22.5 | 19 | 17 | 105905.4 |
| | | 105906 | 10 | 1/4 | 4.5 | 14.5 | 8.5 | 23.5 | 19 | 19 | 105906.4 |
| | | 105907 | 12 | 1/4 | 4.5 | 14.5 | 8.5 | 23.5 | 19 | 22 | 105907.4 |
| | | 105914 | 6 | 1/2 | 5 | 20 | 11 | 26 | 30 | 17 | 105914.4 |
| | | 105915 | 8 | 1/2 | 5 | 20 | 11 | 26 | 30 | 19 | 105915.4 |
| S | 630 | 105916 | 10 | 1/2 | 5 | 20 | 10.5 | 26.5 | 30 | 22 | 105916.4 |
| | | 105917 | 12 | 1/2 | 5 | 20 | 10.5 | 26.5 | 30 | 24 | 105917.4 |

PRZYŁĄCZE KOLANOWE NASTAWNE Z GWIEMEM METRYCZNYM Z PRZECIWNĄKRĘTKĄ ADJUSTABLE DIN MALE STUD ELBOW WITH O-RING AND WASHER - THREAD METRIC PARALLEL

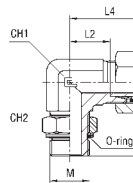
1062...1
Korpus (Only Body)



1062...
B3 Pierścieni (Ring)



1062...4
B4 Pierścieni (Ring)



| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z "B3" (Ordering B3 Ring)* | Ø Rury (Ø Tube) | M | L1 | L2 | L3 | L4 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring)* |
|----------------|-----------------|---|--|-----------------|--------|----|------|------|----|-----|-----|-----|--|
| L | 315 | 106204.1 | 106204 | 6 | 10x1 | 19 | 12 | 27 | 27 | 11 | 14 | 14 | 106204.4 |
| | | 106205.1 | 106205 | 8 | 12x1.5 | 21 | 14 | 31 | 29 | 14 | 17 | 17 | 106205.4 |
| | | 106206.1 | 106206 | 10 | 14x1.5 | 22 | 15 | 33 | 30 | 14 | 19 | 19 | 106206.4 |
| | | 106207.1 | 106207 | 12 | 16x1.5 | 24 | 17 | 38 | 32 | 19 | 22 | 22 | 106207.4 |
| | | 106208.1 | 106208 | 15 | 18x1.5 | 28 | 21 | 40 | 36 | 22 | 24 | 27 | 106208.4 |
| | 160 | 106209.1 | 106209 | 18 | 22x1.5 | 31 | 23.5 | 46 | 40 | 27 | 32 | 32 | 106209.4 |
| | | 106210.1 | 106210 | 22 | 27x2 | 35 | 27.5 | 50.5 | 44 | 27 | 32 | 36 | 106210.4 |
| | | 106211.1 | 106211 | 28 | 33x2 | 38 | 30.5 | 52.5 | 47 | 33 | 41 | 41 | 106211.4 |
| | | 106212.1 | 106212 | 35 | 42x2 | 45 | 34.5 | 58 | 56 | 41 | 50 | 50 | 106212.4 |
| | | 106213.1 | 106213 | 42 | 48x2 | 51 | 40 | 63 | 63 | 48 | 55 | 60 | 106213.4 |
| S | 315 | 106214.1 | 106214 | 6 | 12x1.5 | 23 | 16 | 31 | 31 | 14 | 17 | 17 | 106214.4 |
| | | 106215.1 | 106215 | 8 | 14x1.5 | 24 | 17 | 33 | 32 | 14 | 19 | 19 | 106215.4 |
| | | 106216.1 | 106216 | 10 | 16x1.5 | 25 | 17.5 | 38 | 34 | 19 | 22 | 22 | 106216.4 |
| | | 106217.1 | 106217 | 12 | 18x1.5 | 29 | 21.5 | 38 | 38 | 19 | 24 | 24 | 106217.4 |
| | | 106218.1 | 106218 | 14 | 20x1.5 | 30 | 22 | 44 | 40 | 22 | 27 | 27 | 106218.4 |
| | 250 | 106219.1 | 106219 | 16 | 22x1.5 | 33 | 24.5 | 48 | 43 | 27 | 37 | 30 | 106219.4 |
| | | 106220.1 | 106220 | 20 | 27x2 | 37 | 26.5 | 50.5 | 48 | 27 | 32 | 36 | 106220.4 |
| | | 106221.1 | 106221 | 25 | 33x2 | 42 | 30 | 52.5 | 54 | 33 | 41 | 46 | 106221.4 |
| | | 106222.1 | 106222 | 30 | 42x2 | 49 | 35.5 | 58 | 62 | 41 | 50 | 50 | 106222.4 |
| | | 106223.1 | 106223 | 38 | 48x2 | 57 | 41 | 63 | 72 | 48 | 55 | 60 | 106223.4 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 10.. na 11.. np. 108601 na 118601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 10.. to 11.. ex. 108601 to 118601

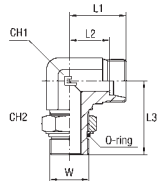
DIN 2353

PRZYŁĄCZE KOLANOWE NASTAWNE Z GWINTEM UNF/UN-2A Z PRZECIWNĄKRĘTKĄ

ADJUSTABLE DIN MALE STUD ELBOW WITH O-RING - THREAD UNF/UN-2A

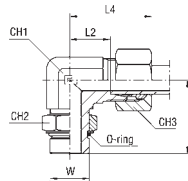
1063...1

Korpus (Only Body)



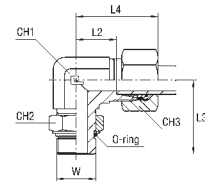
1063...

B3 Pierścień (Ring)



1063...4

B4 Pierścień (Ring)



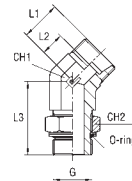
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring) | Ø Rury (Ø Tube) | W | L1 | L2 | L3 | L4 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring) |
|----------------|-----------------|--|---|-----------------|----------|----|------|------|----|-----|-----|-----|---|
| L | 315 | 106304.1 | 106304 | 6 | 7/16-20 | 19 | 12 | 27 | 27 | 11 | 14 | 14 | 106304.4 |
| | | 106305.1 | 106305 | 8 | 7/16-20 | 21 | 14 | 28 | 29 | 14 | 14 | 17 | 106305.4 |
| | | 106306.1 | 106306 | 10 | 9/16-18 | 22 | 15 | 32 | 30 | 14 | 17 | 19 | 106306.4 |
| | | 106307.1 | 106307 | 12 | 3/4-16 | 24 | 17 | 37 | 32 | 19 | 22 | 22 | 106307.4 |
| | | 106308.1 | 106308 | 15 | 7/8-14 | 28 | 21 | 43 | 36 | 22 | 27 | 27 | 106308.4 |
| | 160 | 106309.1 | 106309 | 18 | 7/8-14 | 31 | 23,5 | 47 | 40 | 27 | 27 | 32 | 106309.4 |
| | | 106310.1 | 106310 | 22 | 1 1/8-12 | 35 | 27,5 | 49,5 | 44 | 27 | 32 | 36 | 106310.4 |
| | | 106311.1 | 106311 | 28 | 1 5/8-12 | 38 | 30,5 | 52 | 47 | 33 | 41 | 41 | 106311.4 |
| | | 106312.1 | 106312 | 35 | 1 5/8-12 | 45 | 34,5 | 58 | 56 | 41 | 50 | 50 | 106312.4 |
| | | 106313.1 | 106313 | 42 | 1 7/8-12 | 51 | 40 | 60 | 63 | 48 | 55 | 60 | 106313.4 |
| S | 400 | 106314.1 | 106314 | 6 | 7/16-20 | 23 | 16 | 29 | 31 | 14 | 14 | 17 | 106314.4 |
| | | 106315.1 | 106315 | 8 | 9/16-18 | 24 | 17 | 33 | 32 | 14 | 17 | 19 | 106315.4 |
| | | 106316.1 | 106316 | 10 | 9/16-18 | 25 | 17,5 | 37,5 | 34 | 19 | 17 | 22 | 106316.4 |
| | | 106317.1 | 106317 | 12 | 3/4-16 | 29 | 21,5 | 38 | 38 | 19 | 22 | 24 | 106317.4 |
| | | 106318.1 | 106318 | 14 | 7/8-14 | 30 | 22 | 44 | 40 | 22 | 27 | 27 | 106318.4 |
| | 250 | 106319.1 | 106319 | 16 | 7/8-14 | 33 | 24,5 | 48 | 43 | 27 | 27 | 30 | 106319.4 |
| | | 106320.1 | 106320 | 20 | 1 1/8-12 | 37 | 26,5 | 51 | 48 | 27 | 32 | 36 | 106320.4 |
| | | 106321.1 | 106321 | 25 | 1 5/8-12 | 42 | 30 | 53 | 54 | 33 | 41 | 46 | 106321.4 |
| | | 106322.1 | 106322 | 30 | 1 5/8-12 | 49 | 35,5 | 59 | 62 | 41 | 50 | 50 | 106322.4 |
| | | 106323.1 | 106323 | 38 | 1 7/8-12 | 57 | 41 | 62 | 72 | 48 | 55 | 60 | 106323.4 |

PRZYŁĄCZE KOLANOWE 45° NASTAWNE Z GWINTEM BSP Z PRZECIWNĄKRĘTKĄ

ADJUSTABLE DIN MALE STUD 45° ELBOW WITH O-RING AND WASHER - THREAD BSP PARALLEL

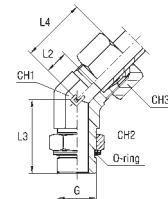
1064...1

Korpus (Only Body)



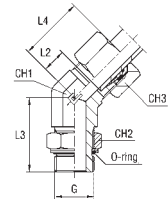
1064...

B3 Pierścień (Ring)



1064...4

B4 Pierścień (Ring)



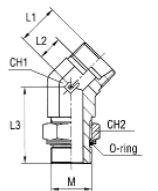
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring) | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring) |
|----------------|-----------------|--|---|-----------------|-------|------|------|------|------|-----|-----|-----|---|
| L | 315 | 106404.1 | 106404 | 6 | 1/8 | 16 | 9 | 26 | 24 | 11 | 14 | 14 | 106404.4 |
| | | 106405.1 | 106405 | 8 | 1/4 | 19 | 12 | 29 | 27 | 14 | 19 | 17 | 106405.4 |
| | | 106406.1 | 106406 | 10 | 3/8 | 19 | 12 | 29 | 27 | 14 | 19 | 19 | 106406.4 |
| | | 106407.1 | 106407 | 12 | 1/2 | 24 | 14 | 33 | 29 | 19 | 22 | 22 | 106407.4 |
| | | 106408.1 | 106408 | 15 | 1/2 | 24 | 17 | 38,5 | 32 | 22 | 27 | 27 | 106408.4 |
| | 160 | 106409.1 | 106409 | 18 | 1/2 | 24,5 | 17 | 38,5 | 33,5 | 27 | 27 | 32 | 106409.4 |
| | | 106410.1 | 106410 | 22 | 3/4 | 26 | 18,5 | 44 | 35 | 27 | 36 | 36 | 106410.4 |
| | | 106411.1 | 106411 | 28 | 1 | 30,5 | 23 | 47 | 39,5 | 33 | 41 | 41 | 106411.4 |
| | | 106412.1 | 106412 | 35 | 1 1/4 | 33 | 22,5 | 48 | 44 | 41 | 50 | 50 | 106412.4 |
| | | 106413.1 | 106413 | 42 | 1 1/2 | 37 | 26 | 48 | 49 | 48 | 55 | 60 | 106413.4 |
| S | 315 | 106414.1 | 106414 | 6 | 1/4 | 16 | 9 | 29 | 24 | 14 | 19 | 17 | 106414.4 |
| | | 106415.1 | 106415 | 8 | 1/4 | 19 | 12 | 29 | 27 | 14 | 19 | 19 | 106415.4 |
| | | 106416.1 | 106416 | 10 | 3/8 | 20 | 12,5 | 33 | 29 | 19 | 22 | 22 | 106416.4 |
| | | 106417.1 | 106417 | 12 | 3/8 | 21 | 13,5 | 33 | 30 | 19 | 22 | 24 | 106417.4 |
| | | 106418.1 | 106418 | 14 | 1/2 | 24 | 16 | 38,5 | 34 | 22 | 27 | 27 | 106418.4 |
| | 250 | 106419.1 | 106419 | 16 | 1/2 | 24 | 15,5 | 38,5 | 34 | 27 | 27 | 30 | 106419.4 |
| | | 106420.1 | 106420 | 20 | 3/4 | 26,5 | 16 | 44 | 37,5 | 27 | 36 | 36 | 106420.4 |
| | | 106421.1 | 106421 | 25 | 1 | 31 | 19 | 47 | 43 | 33 | 41 | 46 | 106421.4 |
| | | 106422.1 | 106422 | 30 | 1 1/4 | 35 | 21,5 | 48 | 48 | 41 | 50 | 50 | 106422.4 |
| | | 106423.1 | 106423 | 38 | 1 1/2 | 39 | 23 | 48 | 54 | 48 | 55 | 60 | 106423.4 |

PRZYŁĄCZE KOLANOWE 45° NASTAWNE Z GWINTEM METRYCZNYM Z PRZECIWNĄKRĘTKĄ

ADJUSTABLE DIN MALE STUD 45° ELBOW WITH O-RING AND WASHER - THREAD METRIC PARALLEL

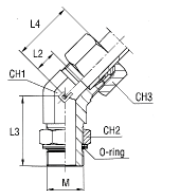
1065...1

Korpus (Only Body)



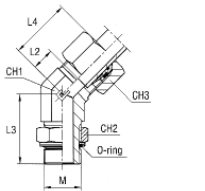
1065...

B3 Pierścień (Ring)



1065...4

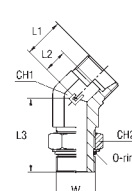
B4 Pierścień (Ring)



| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring) | Ø Rury (Ø Tube) | M | L1 | L2 | L3 | L4 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring) |
|----------------|-----------------|--|---|-----------------|--------|------|------|----|------|-----|-----|-----|---|
| L | 315 | 106504.1 | 106504 | 6 | 10x1 | 16 | 9 | 27 | 24 | 11 | 14 | 14 | 106504.4 |
| | | 106505.1 | 106505 | 8 | 12x1,5 | 19 | 12 | 27 | 27 | 14 | 17 | 17 | 106505.4 |
| | | 106506.1 | 106506 | 10 | 14x1,5 | 19 | 12 | 28 | 27 | 14 | 19 | 19 | 106506.4 |
| | | 106507.1 | 106507 | 12 | 16x1,5 | 21 | 14 | 33 | 29 | 19 | 22 | 22 | 106507.4 |
| | | 106508.1 | 106508 | 15 | 18x1,5 | 24 | 17 | 36 | 32 | 22 | 24 | 27 | 106508.4 |
| | 160 | 106509.1 | 106509 | 18 | 22x1,5 | 24,5 | 17 | 38 | 33,5 | 27 | 27 | 32 | 106509.4 |
| | | 106510.1 | 106510 | 22 | 27x2 | 26 | 18,5 | 46 | 35 | 27 | 32 | 36 | 106510.4 |
| | | 106511.1 | 106511 | 28 | 33x2 | 30,5 | 23 | 46 | 39,5 | 33 | 41 | 41 | 106511.4 |
| | | 106512.1 | 106512 | 35 | 42x2 | 33 | 22,5 | 48 | 44 | 41 | 50 | 50 | 106512.4 |
| | | 106513.1 | 106513 | 42 | 48x2 | 37 | 26 | 50 | 49 | 48 | 55 | 60 | 106513.4 |
| S | 315 | 106514.1 | 106514 | 6 | 12x1,5 | 16 | 9 | 27 | 24 | 14 | 17 | 17 | 106514.4 |
| | | 106515.1 | 106515 | 8 | 14x1,5 | 19 | 12 | 28 | 27 | 14 | 19 | 19 | 106515.4 |
| | | 106516.1 | 106516 | 10 | 16x1,5 | 20 | 12,5 | 33 | 29 | 19 | 22 | 22 | 106516.4 |
| | | 106517.1 | 106517 | 12 | 18x1,5 | 21 | 13,5 | 33 | 30 | 19 | 24 | 24 | 106517.4 |
| | | 106518.1 | 106518 | 14 | 20x1,5 | 24 | 16 | 39 | 34 | 22 | 27 | 27 | 106518.4 |
| | 250 | 106519.1 | 106519 | 16 | 22x1,5 | 24 | 15,5 | 40 | 34 | 27 | 27 | 30 | 106519.4 |
| | | 106520.1 | 106520 | 20 | 27x2 | 26,5 | 16 | 46 | 37,5 | 27 | 32 | 36 | 106520.4 |
| | | 106521.1 | 106521 | 25 | 33x2 | 31 | 19 | 46 | 43 | 33 | 41 | 46 | 106521.4 |
| | | 106522.1 | 106522 | 30 | 42x2 | 35 | 21,5 | 48 | 48 | 41 | 50 | 50 | 106522.4 |
| | | 106523.1 | 106523 | 38 | 48x2 | 39 | 23 | 50 | 54 | 48 | 55 | 60 | 106523.4 |

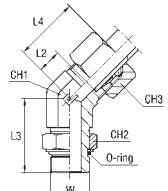
1066...1

Korpus (Only Body)



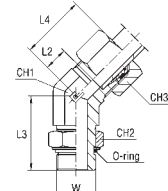
1066...

B3 Pierścień (Ring)



1066...4

B4 Pierścień (Ring)



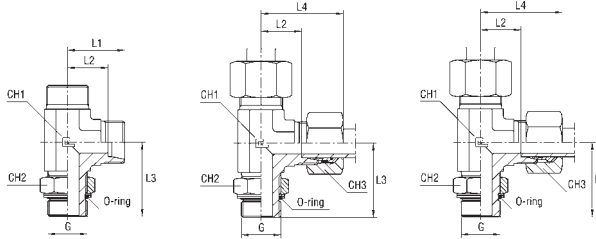
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring) | Ø Rury (Ø Tube) | W | L1 | L2 | L3 | L4 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring) |
|----------------|-----------------|--|---|-----------------|----------|------|------|------|------|-----|-----|-----|---|
| L | 315 | 106604.1 | 106604 | 6 | 7/16-20 | 16 | 9 | 26,5 | 24 | 11 | 14 | 14 | 106604.4 |
| | | 106605.1 | 106605 | 8 | 7/16-20 | 19 | 12 | 26,5 | 27 | 14 | 14 | 17 | 106605.4 |
| | | 106606.1 | 106606 | 10 | 9/16-18 | 19 | 12 | 29 | 27 | 14 | 17 | 19 | 106606.4 |
| | | 106607.1 | 106607 | 12 | 3/4-16 | 21 | 14 | 33 | 29 | 19 | 22 | 22 | 106607.4 |
| | | 106608.1 | 106608 | 15 | 7/8-14 | 24 | 17 | 39 | 32 | 22 | 27 | 27 | 106608.4 |
| | 160 | 106609.1 | 106609 | 18 | 7/8-14 | 24,5 | 17 | 39 | 33,5 | 27 | 27 | 32 | 106609.4 |
| | | 106610.1 | 106610 | 22 | 1 1/8-12 | 26 | 18,5 | 44 | 35 | 27 | 32 | 36 | 106610.4 |
| | | 106611.1 | 106611 | 28 | 1 5/8-12 | 30,5 | 23 | 47 | 39,5 | 33 | 41 | 41 | 106611.4 |
| | | 106612.1 | 106612 | 35 | 1 5/8-12 | 33 | 22,5 | 48 | 44 | 41 | 50 | 50 | 106612.4 |
| | | 106613.1 | 106613 | 42 | 1 7/8-12 | 37 | 26 | 48,5 | 49 | 48 | 55 | 60 | 106613.4 |
| S | 400 | 106614.1 | 106614 | 6 | 7/16-20 | 16 | 9 | 27 | 24 | 14 | 14 | 17 | 106614.4 |
| | | 106615.1 | 106615 | 8 | 9/16-18 | 19 | 12 | 30 | 27</ | | | | |

PRZYŁĄCZE TRÓJNIKOWE NIESYMETRYCZNE NASTAWNE Z GWINTEM BSP Z PRZECIWNĄKRĘTKĄ ADJUSTABLE DIN MALE STUD BARREL TEE WITH O-RING AND WASHER - THREAD BSP PARALLEL

1067...1
Korpus (Only Body)

1067...
B3 Pierścień (Ring)

1067...4
B4 Pierścień (Ring)



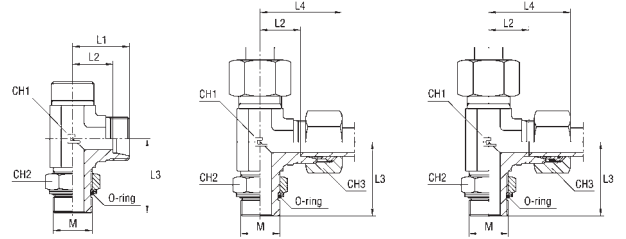
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring) | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring) |
|----------------|-----------------|--|---|-----------------|-------|------|------|----|----|-----|-----|----------|---|
| L | 315 | 106704.1 | 106704 | 6 | 1/8 | 19 | 12 | 26 | 27 | 11 | 14 | 14 | 106704.4 |
| | | 106705.1 | 106705 | 8 | 1/4 | 21 | 14 | 32 | 29 | 14 | 19 | 17 | 106705.4 |
| | | 106706.1 | 106706 | 10 | 1/4 | 22 | 15 | 32 | 30 | 14 | 19 | 19 | 106706.4 |
| | 250 | 106707.1 | 106707 | 12 | 3/8 | 24 | 17 | 37 | 32 | 19 | 22 | 22 | 106707.4 |
| | | 106708.1 | 106708 | 15 | 1/2 | 28 | 21 | 44 | 36 | 22 | 27 | 27 | 106708.4 |
| | | 106709.1 | 106709 | 18 | 1/2 | 31 | 23.5 | 47 | 40 | 27 | 27 | 32 | 106709.4 |
| | | 106710.1 | 106710 | 22 | 3/4 | 35 | 27.5 | 51 | 44 | 27 | 36 | 36 | 106710.4 |
| | | 106711.1 | 106711 | 28 | 1 | 38 | 30.5 | 53 | 47 | 33 | 41 | 41 | 106711.4 |
| | | 106712.1 | 106712 | 35 | 1 1/4 | 45 | 34.5 | 59 | 56 | 41 | 50 | 50 | 106712.4 |
| | 160 | 106713.1 | 106713 | 42 | 1 1/2 | 51 | 40 | 64 | 63 | 48 | 55 | 60 | 106713.4 |
| | | 106714.1 | 106714 | 6 | 1/4 | 23 | 16 | 32 | 31 | 14 | 19 | 17 | 106714.4 |
| | | 106715.1 | 106715 | 8 | 1/4 | 24 | 17 | 32 | 32 | 14 | 19 | 19 | 106715.4 |
| 106716.1 | | 106716 | 10 | 3/8 | 25 | 17.5 | 37 | 34 | 19 | 22 | 22 | 106716.4 | |
| 106717.1 | | 106717 | 12 | 3/8 | 29 | 21.5 | 37 | 38 | 19 | 22 | 24 | 106717.4 | |
| 106718.1 | | 106718 | 14 | 1/2 | 30 | 22 | 44 | 40 | 22 | 27 | 27 | 106718.4 | |
| S | 250 | 106719.1 | 106719 | 16 | 1/2 | 33 | 24.5 | 47 | 43 | 27 | 30 | 30 | 106719.4 |
| | | 106720.1 | 106720 | 20 | 3/4 | 37 | 26.5 | 51 | 48 | 27 | 36 | 36 | 106720.4 |
| | | 106721.1 | 106721 | 25 | 1 | 42 | 30 | 53 | 54 | 33 | 41 | 46 | 106721.4 |
| | 200 | 106722.1 | 106722 | 30 | 1 1/4 | 49 | 35.5 | 59 | 62 | 41 | 50 | 50 | 106722.4 |
| | | 106723.1 | 106723 | 38 | 1 1/2 | 57 | 41 | 64 | 72 | 48 | 55 | 60 | 106723.4 |

PRZYŁĄCZE TRÓJNIKOWE NIESYMETRYCZNE NASTAWNE Z GWINTEM METRYCZNYM Z PRZECIWNĄKRĘTKĄ ADJUSTABLE DIN MALE STUD BRANCH TEE WITH O-RING AND WASHER - THREAD METRIC PARALLEL

1068...1
Korpus (Only Body)

1068...
B3 Pierścień (Ring)

1068...4
B4 Pierścień (Ring)



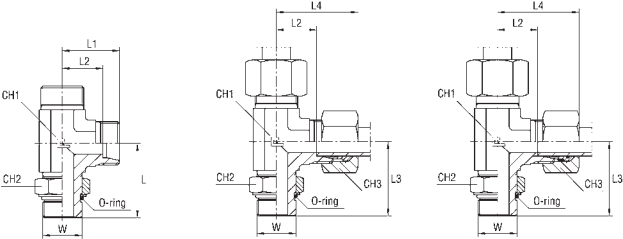
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring) | Ø Rury (Ø Tube) | M | L1 | L2 | L3 | L4 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring) | |
|----------------|-----------------|--|---|-----------------|--------|--------|------|------|----|-----|-----|----------|---|----------|
| L | 315 | 106804.1 | 106804 | 6 | 10x1 | 19 | 12 | 27 | 27 | 11 | 14 | 14 | 106804.4 | |
| | | 106805.1 | 106805 | 8 | 12x1,5 | 21 | 14 | 31 | 29 | 14 | 17 | 17 | 106805.4 | |
| | | 106806.1 | 106806 | 10 | 14x1,5 | 22 | 15 | 33 | 30 | 14 | 19 | 19 | 106806.4 | |
| | 250 | 106807.1 | 106807 | 12 | 16x1,5 | 24 | 17 | 38 | 32 | 19 | 22 | 22 | 106807.4 | |
| | | 106808.1 | 106808 | 15 | 18x1,5 | 28 | 21 | 40 | 36 | 22 | 24 | 27 | 106808.4 | |
| | | 106809.1 | 106809 | 18 | 22x1,5 | 31 | 23.5 | 46 | 40 | 27 | 27 | 32 | 106809.4 | |
| | | 106810.1 | 106810 | 22 | 27x2 | 35 | 27.5 | 50.5 | 44 | 27 | 32 | 36 | 106810.4 | |
| | | 106811.1 | 106811 | 28 | 33x2 | 38 | 30.5 | 52.5 | 47 | 33 | 41 | 41 | 106811.4 | |
| | | 106812.1 | 106812 | 35 | 42x2 | 45 | 34.5 | 58 | 56 | 41 | 50 | 50 | 106812.4 | |
| | S | 315 | 106813.1 | 106813 | 42 | 48x2 | 51 | 40 | 63 | 63 | 48 | 55 | 60 | 106813.4 |
| | | | 106814.1 | 106814 | 6 | 12x1,5 | 23 | 16 | 31 | 31 | 14 | 17 | 17 | 106814.4 |
| | | | 106815.1 | 106815 | 8 | 14x1,5 | 24 | 17 | 33 | 32 | 14 | 19 | 19 | 106815.4 |
| 250 | | 106816.1 | 106816 | 10 | 16x1,5 | 25 | 17.5 | 38 | 34 | 19 | 22 | 22 | 106816.4 | |
| | | 106817.1 | 106817 | 12 | 18x1,5 | 29 | 21.5 | 38 | 38 | 19 | 24 | 24 | 106817.4 | |
| | | 106818.1 | 106818 | 14 | 20x1,5 | 30 | 22 | 44 | 40 | 22 | 27 | 27 | 106818.4 | |
| 200 | 106819.1 | 106819 | 16 | 22x1,5 | 33 | 24.5 | 48 | 43 | 27 | 30 | 30 | 106819.4 | | |
| | 106820.1 | 106820 | 20 | 27x2 | 37 | 26.5 | 50.5 | 48 | 27 | 32 | 36 | 106820.4 | | |
| | 106821.1 | 106821 | 25 | 33x2 | 42 | 30 | 52.5 | 54 | 33 | 41 | 46 | 106821.4 | | |
| 160 | 106822.1 | 106822 | 30 | 42x2 | 49 | 35.5 | 58 | 62 | 41 | 50 | 50 | 106822.4 | | |
| | 106823.1 | 106823 | 38 | 48x2 | 57 | 41 | 63 | 72 | 48 | 55 | 60 | 106823.4 | | |

PRZYŁĄCZE TRÓJNIKOWE NIESYMETRYCZNE NASTAWNE Z GWINTEM UNF/UN-2A Z PRZECIWNĄKRĘTKĄ ADJUSTABLE DIN MALE STUD BRANCH TEE WITH O-RING - THREAD UNF/UN-2A

1069...1
Korpus (Only Body)

1069...
B3 Pierścień (Ring)

1069...4
B4 Pierścień (Ring)



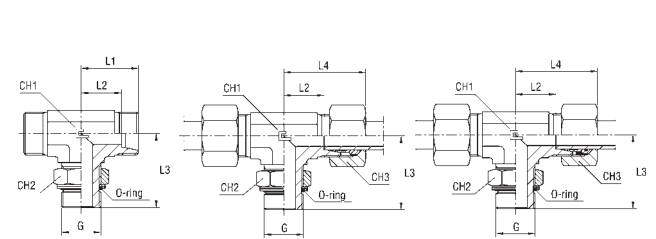
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring) | Ø Rury (Ø Tube) | W | L1 | L2 | L3 | L4 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring) | |
|----------------|-----------------|--|---|-----------------|----------|----------|------|------|----|-----|----------|----------|---|----------|
| L | 315 | 106904.1 | 106904 | 6 | 7/16-20 | 19 | 12 | 27 | 27 | 11 | 14 | 14 | 106904.4 | |
| | | 106905.1 | 106905 | 8 | 7/16-20 | 21 | 14 | 28 | 29 | 14 | 14 | 17 | 106905.4 | |
| | | 106906.1 | 106906 | 10 | 9/16-18 | 22 | 15 | 32 | 30 | 14 | 17 | 19 | 106906.4 | |
| | 160 | 106907.1 | 106907 | 12 | 3/4-16 | 24 | 17 | 37 | 32 | 19 | 22 | 22 | 106907.4 | |
| | | 106908.1 | 106908 | 15 | 7/8-14 | 28 | 21 | 43 | 36 | 22 | 27 | 27 | 106908.4 | |
| | | 106909.1 | 106909 | 18 | 7/8-14 | 31 | 23.5 | 47 | 40 | 27 | 27 | 32 | 106909.4 | |
| | | 106910.1 | 106910 | 22 | 1 1/8-12 | 35 | 27.5 | 49.5 | 44 | 27 | 32 | 36 | 106910.4 | |
| | | 106911.1 | 106911 | 28 | 1 1/8-12 | 38 | 30.5 | 52 | 47 | 33 | 41 | 41 | 106911.4 | |
| | | 106912.1 | 106912 | 35 | 1 5/8-12 | 45 | 34.5 | 58 | 56 | 41 | 50 | 50 | 106912.4 | |
| | S | 400 | 106913.1 | 106913 | 42 | 1 7/8-12 | 51 | 40 | 63 | 63 | 48 | 55 | 60 | 106913.4 |
| | | | 106914.1 | 106914 | 6 | 7/16-20 | 23 | 16 | 29 | 31 | 14 | 14 | 17 | 106914.4 |
| | | | 106915.1 | 106915 | 8 | 9/16-18 | 24 | 17 | 33 | 32 | 14 | 17 | 19 | 106915.4 |
| 250 | | 106916.1 | 106916 | 10 | 9/16-18 | 25 | 17.5 | 37.5 | 34 | 19 | 17 | 22 | 106916.4 | |
| | | 106917.1 | 106917 | 12 | 3/4-16 | 29 | 21.5 | 38 | 38 | 19 | 22 | 24 | 106917.4 | |
| | | 106918.1 | 106918 | 14 | 7/8-14 | 30 | 22 | 44 | 40 | 22 | 27 | 27 | 106918.4 | |
| 160 | 106919.1 | 106919 | 16 | 7/8-14 | 33 | 24.5 | 48 | 43 | 27 | 30 | 30 | 106919.4 | | |
| | 106920.1 | 106920 | 20 | 1 1/8-12 | 37 | 26.5 | 51 | 48 | 27 | 32 | 36 | 106920.4 | | |
| | 106921.1 | 106921 | 25 | 1 5/8-12 | 42 | 30 | 53 | 54 | 33 | 41 | 46 | 106921.4 | | |
| 106922.1 | 106922 | 30 | 1 5/8-12 | 49 | 35.5 | 59 | 62 | 41 | 50 | 50 | 106922.4 | | | |
| 106923.1 | 106923 | 38 | 1 7/8-12 | 57 | 41 | 62 | 72 | 48 | 55 | 60 | 106923.4 | | | |

PRZYŁĄCZE TRÓJNIKOWE SYMETRYCZNE NASTAWNE Z GWINTEM BSP Z PRZECIWNĄKRĘTKĄ ADJUSTABLE DIN MALE STUD BRANCH TEE WITH O-RING AND WASHER - THREAD BSP PARALLEL

1070...1
Korpus (Only Body)

1070...
B3 Pierścień (Ring)

1070...4
B4 Pierścień (Ring)

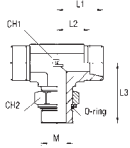


| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring) | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring) | |
|----------------|-----------------|--|---|-----------------|-------|-------|------|----|----|-----|-----|----------|---|----------|
| L | 315 | 107004.1 | 107004 | 6 | 1/8 | 19 | 12 | 26 | 27 | 11 | 14 | 14 | 107004.4 | |
| | | 107005.1 | 107005 | 8 | 1/4 | 21 | 14 | 32 | 29 | 14 | 19 | 17 | 107005.4 | |
| | | 107006.1 | 107006 | 10 | 1/4 | 22 | 15 | 32 | 30 | 14 | 19 | 19 | 107006.4 | |
| | 250 | 107007.1 | 107007 | 12 | 3/8 | 24 | 17 | 37 | 32 | 19 | 22 | 22 | 107007.4 | |
| | | 107008.1 | 107008 | 15 | 1/2 | 28 | 21 | 44 | 36 | 22 | 27 | 27 | 107008.4 | |
| | | 107009.1 | 107009 | 18 | 1/2 | 31 | 23.5 | 47 | 40 | 27 | 27 | 32 | 107009.4 | |
| | | 107010.1 | 107010 | 22 | 3/4 | 35 | 27.5 | 51 | 44 | 27 | 36 | 36 | 107010.4 | |
| | | 107011.1 | 107011 | 28 | 1 | 38 | 30.5 | 53 | 47 | 33 | 41 | 41 | 107011.4 | |
| | | 107012.1 | 107012 | 35 | 1 1/4 | 45 | 34.5 | 59 | 56 | 41 | 50 | 50 | 107012.4 | |
| | S | 315 | 107013.1 | 107013 | 42 | 1 1/2 | 51 | 40 | 64 | 63 | 48 | 55 | 60 | 107013.4 |
| | | | 107014.1 | 107014 | 6 | 1/4 | 23 | 16 | 32 | 31 | 14 | 19 | 17 | 107014.4 |
| | | | 107015.1 | 107015 | 8 | 1/4 | 24 | 17 | 32 | 32 | 14 | 19 | 19 | 107015.4 |
| 250 | | 107016.1 | 107016 | 10 | 3/8 | 25 | 17.5 | 37 | 34 | 19 | 22 | 22 | 107016.4 | |
| | | 107017.1 | 107017 | 12 | 3/8 | 29 | 21.5 | 37 | 38 | 19 | 22 | 24 | 107017.4 | |
| | | 107018.1 | 107018 | 14 | 1/2 | 30 | 22 | 44 | 40 | 22 | 27 | 27 | 107018.4 | |
| 200 | 107019.1 | 107019 | 16 | 1/2 | 33 | 24.5 | 47 | 43 | 27 | 30 | 30 | 107019.4 | | |
| | 107020.1 | 107020 | 20 | 3/4 | 37 | 26.5 | 51 | 48 | 27 | 36 | 36 | 107020.4 | | |
| | 107021.1 | 107021 | 25 | 1 | 42 | 30 | 53 | 54 | 33 | 41 | 46 | 107021.4 | | |
| 160 | 107022.1 | 107022 | 30 | 1 1/4 | 49 | 35.5 | 59 | 62 | 41 | 50 | | | | |

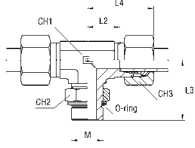
DIN 2353

PRZYŁĄCZE TRÓJNIKOWE SYMETRYCZNE Z GWINTEM METRYCZNYM Z PRZECIWNĄKRĘTKĄ ADJUSTABLE DIN MALE STUD BRANCH TEE WITH O-RING AND WASHER - THREAD METRIC PARALLEL

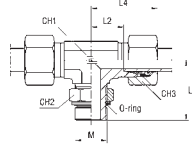
1071...1
Korpus (Only Body)



1071...
B3 Piersień (Ring)



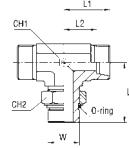
1071...4
B4 Piersień (Ring)



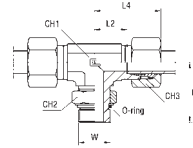
| Seria (Series) | Cisnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z B3* (Ordering B3 Ring)* | Ø Rury (Ø Tube) | M | L1 | L2 | L3 | L4 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z B4* (Ordering B4 Ring)* |
|----------------|-----------------|---|---|-----------------|--------|----|------|------|----|-----|-----|-----|---|
| L | 315 | 107104.1 | 107104 | 6 | 10x1 | 19 | 12 | 27 | 27 | 11 | 14 | 14 | 107104.4 |
| | | 107105.1 | 107105 | 8 | 12x1.5 | 21 | 14 | 31 | 29 | 14 | 17 | 17 | 107105.4 |
| | | 107106.1 | 107106 | 10 | 14x1.5 | 22 | 15 | 33 | 30 | 14 | 19 | 19 | 107106.4 |
| | | 107107.1 | 107107 | 12 | 16x1.5 | 24 | 17 | 38 | 32 | 19 | 22 | 22 | 107107.4 |
| | | 107108.1 | 107108 | 15 | 18x1.5 | 28 | 21 | 40 | 36 | 22 | 24 | 27 | 107108.4 |
| | | 107109.1 | 107109 | 18 | 22x1.5 | 31 | 23.5 | 46 | 40 | 27 | 27 | 27 | 107109.4 |
| | 160 | 107110.1 | 107110 | 22 | 27x2 | 35 | 27.5 | 50.5 | 44 | 27 | 32 | 36 | 107110.4 |
| | | 107111.1 | 107111 | 28 | 33x2 | 38 | 30.5 | 52.5 | 47 | 33 | 41 | 41 | 107111.4 |
| | | 107112.1 | 107112 | 35 | 42x2 | 45 | 34.5 | 58 | 56 | 41 | 50 | 50 | 107112.4 |
| | | 107113.1 | 107113 | 42 | 48x2 | 51 | 40 | 63 | 63 | 48 | 55 | 60 | 107113.4 |
| | | 107114.1 | 107114 | 6 | 12x1.5 | 23 | 16 | 31 | 31 | 14 | 17 | 17 | 107114.4 |
| | | 107115.1 | 107115 | 9 | 14x1.5 | 24 | 17 | 33 | 32 | 14 | 19 | 19 | 107115.4 |
| S | 315 | 107116.1 | 107116 | 10 | 16x1.5 | 25 | 17.5 | 38 | 34 | 19 | 22 | 22 | 107116.4 |
| | | 107117.1 | 107117 | 12 | 18x1.5 | 29 | 21.5 | 38 | 38 | 19 | 24 | 24 | 107117.4 |
| | | 107118.1 | 107118 | 14 | 20x1.5 | 30 | 22 | 44 | 40 | 22 | 27 | 27 | 107118.4 |
| | | 107119.1 | 107119 | 16 | 22x1.5 | 33 | 24.5 | 48 | 43 | 27 | 30 | 30 | 107119.4 |
| | | 107120.1 | 107120 | 20 | 27x2 | 37 | 26.5 | 50.5 | 48 | 27 | 32 | 36 | 107120.4 |
| | | 107121.1 | 107121 | 25 | 33x2 | 42 | 30 | 52.5 | 54 | 33 | 41 | 46 | 107121.4 |
| | 250 | 107122.1 | 107122 | 30 | 42x2 | 49 | 35.5 | 58 | 62 | 41 | 50 | 50 | 107122.4 |
| | | 107123.1 | 107123 | 38 | 48x2 | 57 | 41 | 63 | 72 | 48 | 55 | 60 | 107123.4 |

PRZYŁĄCZE TRÓJNIKOWE SYMETRYCZNE Z GWINTEM UNF/UN-2A Z PRZECIWNĄKRĘTKĄ ADJUSTABLE DIN MALE STUD BRANCH TEE WITH O-RING - THREAD UNF/UN-2A

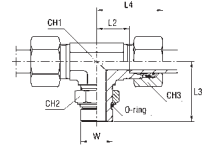
1072...1
Korpus (Only Body)



1072...
B3 Piersień (Ring)

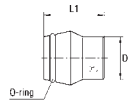


1072...4
B4 Piersień (Ring)



| Seria (Series) | Cisnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Kod zamówienia kompletu z B3* (Ordering B3 Ring)* | Ø Rury (Ø Tube) | W | L1 | L2 | L3 | L4 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z B4* (Ordering B4 Ring)* |
|----------------|-----------------|---|---|-----------------|-----------|----|------|------|----|-----|-----|-----|---|
| L | 315 | 107204.1 | 107204 | 6 | 7/16-20 | 19 | 12 | 27 | 27 | 11 | 14 | 14 | 107204.4 |
| | | 107205.1 | 107205 | 8 | 7/16-20 | 21 | 14 | 28 | 29 | 14 | 14 | 14 | 107205.4 |
| | | 107206.1 | 107206 | 10 | 9/16-18 | 22 | 15 | 32 | 30 | 14 | 17 | 19 | 107206.4 |
| | | 107207.1 | 107207 | 12 | 3/4-16 | 24 | 17 | 37 | 32 | 19 | 22 | 22 | 107207.4 |
| | | 107208.1 | 107208 | 15 | 7/8-14 | 28 | 21 | 43 | 36 | 22 | 27 | 27 | 107208.4 |
| | | 107209.1 | 107209 | 18 | 7/8-14 | 31 | 23.5 | 47 | 40 | 27 | 27 | 32 | 107209.4 |
| | 160 | 107210.1 | 107210 | 22 | 1 1/8-12 | 35 | 27.5 | 49.5 | 44 | 27 | 32 | 36 | 107210.4 |
| | | 107211.1 | 107211 | 28 | 1 5/16-12 | 38 | 30.5 | 52 | 47 | 33 | 41 | 41 | 107211.4 |
| | | 107212.1 | 107212 | 35 | 1 5/8-12 | 45 | 34.5 | 58 | 56 | 41 | 50 | 50 | 107212.4 |
| | | 107213.1 | 107213 | 42 | 1 7/8-12 | 51 | 40 | 60 | 63 | 48 | 55 | 60 | 107213.4 |
| | | 107214.1 | 107214 | 6 | 7/16-20 | 23 | 16 | 29 | 31 | 14 | 14 | 17 | 107214.4 |
| | | 107215.1 | 107215 | 8 | 9/16-18 | 24 | 17 | 33 | 32 | 14 | 17 | 19 | 107215.4 |
| S | 400 | 107216.1 | 107216 | 10 | 9/16-18 | 25 | 17.5 | 37.5 | 34 | 19 | 17 | 22 | 107216.4 |
| | | 107217.1 | 107217 | 12 | 3/4-16 | 29 | 21.5 | 38 | 38 | 19 | 22 | 24 | 107217.4 |
| | | 107218.1 | 107218 | 14 | 7/8-14 | 30 | 22 | 44 | 40 | 22 | 27 | 27 | 107218.4 |
| | | 107219.1 | 107219 | 16 | 7/8-14 | 33 | 24.5 | 48 | 43 | 27 | 30 | 30 | 107219.4 |
| | | 107220.1 | 107220 | 20 | 1 1/16-12 | 37 | 26.5 | 51 | 48 | 27 | 32 | 36 | 107220.4 |
| | | 107221.1 | 107221 | 25 | 1 5/16-12 | 42 | 30 | 53 | 54 | 33 | 41 | 46 | 107221.4 |
| | 250 | 107222.1 | 107222 | 30 | 1 5/8-12 | 49 | 35.5 | 59 | 62 | 41 | 50 | 50 | 107222.4 |
| | | 107223.1 | 107223 | 38 | 1 7/8-12 | 57 | 41 | 62 | 72 | 48 | 55 | 60 | 107223.4 |

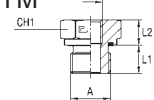
KOREK STOŻKOWY Z USZCZELNIENIEM TYPU O-RING BLANKING PLUG WITH O-RING



1073... Korpus (Only Body)

| Seria (Series) | Cisnienie (Bar) | Kod zamówienia kompletu (Ordering Complete)* | Ø Rury (Ø Tube) | D1 | L1 |
|----------------|-----------------|--|-----------------|----|----|
| L | 315 | 107304 | 6 | 6 | 17 |
| | | 107305 | 8 | 8 | 17 |
| | | 107306 | 10 | 10 | 20 |
| | | 107307 | 12 | 12 | 21 |
| | | 107308 | 15 | 15 | 21 |
| | | 107309 | 18 | 18 | 23 |
| | 160 | 107310 | 22 | 22 | 23 |
| | | 107311 | 28 | 28 | 25 |
| | | 107312 | 35 | 35 | 29 |
| | | 107313 | 42 | 42 | 30 |
| | | 107314 | 6 | 6 | 17 |
| | | 107315 | 8 | 8 | 17 |
| S | 630 | 107306 | 10 | 10 | 20 |
| | | 107307 | 12 | 12 | 21 |
| | | 107318 | 14 | 14 | 23 |
| | | 107319 | 16 | 16 | 24 |
| | | 107320 | 20 | 20 | 28 |
| | | 107321 | 25 | 25 | 31 |
| | 400 | 107322 | 30 | 30 | 34 |
| | | 107323 | 38 | 38 | 38 |

PRZYŁĄCZE REDUKCYJNE Z GWINTEM BSP Z USZCZELNIENIEM ELASTOMEROWYM MALE-FEMALE ADAPTER WITH ELASTOMER SEAL - THREAD BSP PARALLEL



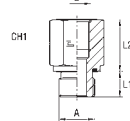
1074...

| Cisnienie (Bar) | Kod zamówienia kompletu (Ordering Complete)* | A | B | L1 | L2 | CH1 |
|-----------------|--|-------|-----|----|------|-----|
| 630 | 107401 | 3/8 | 1/8 | 12 | 10.5 | 22 |
| | 107402 | 1/2 | 1/8 | 14 | 10 | 27 |
| | 107403 | 1/2 | 1/4 | 14 | 10 | 27 |
| | 107404 | 3/4 | 1/4 | 16 | 10 | 32 |
| | 107405 | 3/4 | 3/8 | 16 | 10 | 32 |
| | 107406 | 1 | 1/4 | 18 | 11 | 41 |
| 400 | 107407 | 1 | 3/8 | 18 | 11 | 41 |
| | 107408 | 1 | 1/2 | 18 | 11 | 41 |
| | 107409 | 1 1/4 | 1/2 | 20 | 12 | 50 |
| | 107410 | 1 1/4 | 3/4 | 20 | 12 | 50 |
| | 107411 | 1 1/2 | 1/2 | 22 | 14 | 55 |
| | 107412 | 1 1/2 | 3/4 | 22 | 14 | 55 |
| 315 | 107413 | 1 1/2 | 1 | 22 | 14 | 55 |

Uwaga: inne rozmiary przyłącza dostępne na zapytanie.
Attention: other sizes available upon request.

PRZYŁĄCZE REDUKCYJNE Z GWINTEM BSP Z USZCZELNIENIEM ELASTOMEROWYM MALE-FEMALE ADAPTER WITH ELASTOMER SEAL - THREAD BSP PARALLEL

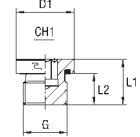
1075...



| Cisnienie (Bar) | Kod zamówienia kompletu (Ordering Complete)* | A | B | L1 | L2 | CH1 | |
|-----------------|--|--------|-------|-------|----|-----|----|
| 630 | 107501 | 1/8 | 1/4 | 8 | 23 | 19 | |
| | 107502 | 1/8 | 3/8 | 8 | 24 | 24 | |
| | 107503 | 1/4 | 1/8 | 12 | 16 | 19 | |
| | 107504 | 1/4 | 3/8 | 12 | 24 | 24 | |
| | 107505 | 1/4 | 1/2 | 12 | 28 | 30 | |
| | 107506 | 1/4 | 3/4 | 12 | 31 | 36 | |
| | 107507 | 3/8 | 1/4 | 12 | 24 | 22 | |
| | 107508 | 3/8 | 1/2 | 12 | 29 | 30 | |
| | 107509 | 3/8 | 3/4 | 12 | 32 | 36 | |
| | 400 | 107510 | 1/2 | 3/8 | 14 | 22 | 27 |
| | | 107511 | 1/2 | 3/4 | 14 | 32 | 36 |
| | | 107512 | 1/2 | 1 | 14 | 35 | 41 |
| 107513 | | 1/2 | 1 1/4 | 14 | 39 | 55 | |
| 107514 | | 3/4 | 1/2 | 16 | 26 | 32 | |
| 107515 | | 3/4 | 1 | 16 | 35 | 41 | |
| 315 | 107516 | 3/4 | 1 1/4 | 16 | 39 | 55 | |
| | 107517 | 3/4 | 1 1/2 | 16 | 41 | 60 | |
| | 400 | 107518 | 1 | 3/4 | 18 | 29 | 41 |
| | | 107519 | 1 | 1 1/4 | 18 | 38 | 55 |
| | | 107520 | 1 | 1 1/2 | 18 | 41 | 60 |
| | 400 | 107521 | 1 1/4 | 1 | 20 | 31 | 50 |
| 107522 | | 1 1/4 | 1 1/2 | 20 | 40 | 60 | |
| 107523 | | 1 1/2 | 1 1/4 | 22 | 46 | 50 | |

Uwaga: inne rozmiary przyłącza dostępne na zapytanie.
Attention: other sizes available upon request.

1076...



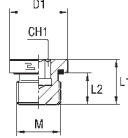
| Cisnienie (Bar) | Kod zamówienia kompletu (Ordering Complete)* | G | D1 | L1 | L2 | CH1 |
|-----------------|--|-------|----|------|----|-----|
| 400 | 107601 | 1/8 | 14 | 12 | 8 | 5 |
| | 107602 | 1/4 | 19 | 17 | 12 | 6 |
| | 107603 | 3/8 | 22 | 17 | 12 | 8 |
| | 107604 | 1/2 | 27 | 19 | 14 | 10 |
| | 107605 | 3/4 | 32 | 21 | 16 | 12 |
| | 107606 | 1 | 40 | 22.5 | 16 | 17 |
| 250 | 107607 | 1 1/4 | 50 | 22.5 | 16 | 22 |
| | 107608 | 1 1/2 | 55 | 22.5 | 16 | 24 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 10.. na 11.. np. 108601 na 118601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 10.. to 11.. ex. 108601 to 118601

KOREK Z GWINTEM METRYCZNYM Z USZCZELNIENIEM ELASTOMEROWYM I GNAZDEM IMBUSOWYM

CLOSURE PLUG WITH HEXAGON SOCKET HEAD WITH ELASTOMER SEAL - THREAD METRIC PARALLEL

1077...

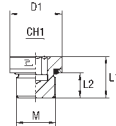


| Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) * | M | D1 | L1 | L2 | CH1 |
|-----------------|---|--------|----|------|----|-----|
| 400 | 107701 | 10x1 | 14 | 12 | 8 | 5 |
| | 107702 | 12x1.5 | 17 | 17 | 12 | 6 |
| | 107703 | 14x1.5 | 19 | 17 | 12 | 6 |
| | 107704 | 16x1.5 | 22 | 17 | 12 | 8 |
| | 107705 | 18x1.5 | 24 | 17 | 12 | 8 |
| | 107706 | 20x1.5 | 26 | 19 | 14 | 10 |
| | 107707 | 22x1.5 | 27 | 19 | 14 | 10 |
| | 107708 | 26x1.5 | 32 | 21 | 16 | 12 |
| | 107709 | 27x2 | 32 | 21 | 16 | 12 |
| | 107710 | 33x2 | 40 | 22.5 | 16 | 17 |
| 250 | 107711 | 42x2 | 50 | 22.5 | 16 | 22 |
| | 107712 | 48x2 | 55 | 22.5 | 16 | 24 |

KOREK Z GWINTEM METRYCZNYM Z USZCZELNIENIEM TYPU O-RING I GNAZDEM IMBUSOWYM

CLOSURE PLUG WITH HEXAGON SOCKET HEAD WITH O-RING SEAL - THREAD METRIC PARALLEL

1079...

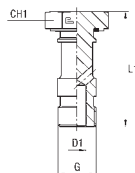


| Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) * | M | D1 | L1 | L2 | CH1 |
|-----------------|---|--------|----|------|------|-----|
| 315 | 107901 | 10x1 | 14 | 12 | 7.5 | 5 |
| | 107902 | 12x1.5 | 17 | 17 | 9.6 | 6 |
| | 107903 | 14x1.5 | 19 | 17 | 9.6 | 6 |
| | 107904 | 16x1.5 | 22 | 17 | 11.1 | 8 |
| | 107905 | 18x1.5 | 24 | 17 | 12.6 | 8 |
| | 107906 | 20x1.5 | 26 | 19 | 12.6 | 10 |
| | 107907 | 22x1.5 | 27 | 19 | 13.6 | 10 |
| | 107908 | 27x2 | 32 | 21 | 16.5 | 12 |
| 160 | 107909 | 33x2 | 40 | 22.5 | 16.5 | 17 |
| | 107910 | 42x2 | 50 | 22.5 | 17 | 22 |
| | 107911 | 48x2 | 55 | 22.5 | 19.5 | 24 |

ŚRUBA DO PRZYŁĄCZA TYPU "BANJO" Z GWINTEM BSP

HOLLOW SCREW FOR BANJOS - THREAD BSP PARALLEL

1081...

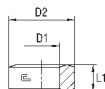


| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) * | G | D1 | L1 | CH1 |
|----------------|-----------------|---|-------|------|------|-----|
| L/S | - | 108101 | 1/8 | 4 | 32 | 17 |
| | | 108102 | 1/4 | 5 | 44 | 19 |
| | | 108103 | 3/8 | 8 | 50.5 | 24 |
| | | 108104 | 1/2 | 10 | 60.5 | 30 |
| | | 108105 | 3/4 | 14.5 | 70 | 36 |
| | | 108106 | 1 | 21 | 84.5 | 46 |
| | | 108107 | 1 1/4 | 26 | 100 | 55 |
| | | 108108 | 1 1/2 | 30 | 112 | 60 |

PIERŚCIEŃ USZCZELNIAJĄCY DO PRZYŁĄCZY MANOMETRÓW

SEALING WASHER FOR GAUGE COUPLINGS

1084...

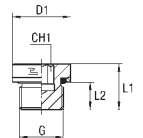


| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) * | D1 | D2 | L1 | Gwint BSP (Thread BSP) |
|----------------|-----------------|---|----|----|-----|------------------------|
| L/S | - | 108401 | 6 | 11 | 4.5 | 1/4 |
| | | 108402 | 9 | 8 | 5 | 1/2 |

KOREK Z GWINTEM BSP Z USZCZELNIENIEM TYPU O-RING I GNAZDEM IMBUSOWYM

CLOSURE PLUG WITH HEXAGON SOCKET HEAD WITH O-RING SEAL - THREAD BSP PARALLEL

1078...



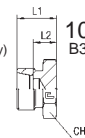
| Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) * | G | D1 | L1 | L2 | CH1 |
|-----------------|---|-------|----|------|------|-----|
| 315 | 107801 | 1/8 | 14 | 12 | 6.7 | 5 |
| | 107802 | 1/4 | 19 | 17 | 10.2 | 6 |
| | 107803 | 3/8 | 22 | 17 | 10.2 | 8 |
| | 107804 | 1/2 | 27 | 19 | 12.2 | 10 |
| | 107805 | 3/4 | 32 | 21 | 14.2 | 12 |
| | 107806 | 1 | 41 | 22.5 | 15.4 | 17 |
| 200 | 107807 | 1 1/4 | 50 | 22.5 | 17.4 | 22 |
| 160 | 107808 | 1 1/2 | 60 | 22.5 | 19.4 | 24 |

ZASŁEPKA RURY

BLANKING PLUG FOR TUBE ENDS

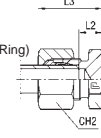
1080...1

Korpus (Only Body)



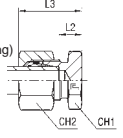
1080... B3

Pierścień (Ring)



1080...4

B4 Pierścień (Ring)

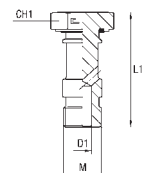


| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring) * | Kod zamówienia kompletu z "B4" (Ordering B4 Ring) * | Ø Rury (Ø Tube) | L1 | L2 | L3 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring) * |
|----------------|-----------------|---|---|-----------------|----|------|------|-----|-----|---|
| L | 315 | 108004.1 | 108004 | 6 | 14 | 7 | 21.5 | 12 | 14 | 108004.4 |
| | | 108005.1 | 108005 | 8 | 15 | 8 | 23 | 14 | 17 | 108005.4 |
| | | 108006.1 | 108006 | 10 | 16 | 9 | 24 | 17 | 19 | 108006.4 |
| | | 108007.1 | 108007 | 12 | 17 | 10 | 24.5 | 19 | 22 | 108007.4 |
| | | 108008.1 | 108008 | 15 | 18 | 11 | 26 | 24 | 27 | 108008.4 |
| | | 108009.1 | 108009 | 18 | 19 | 11.5 | 28 | 27 | 32 | 108009.4 |
| | 160 | 108010.1 | 108010 | 22 | 21 | 13.5 | 30 | 32 | 36 | 108010.4 |
| | | 108011.1 | 108011 | 28 | 22 | 14.5 | 31 | 41 | 41 | 108011.4 |
| | | 108012.1 | 108012 | 35 | 25 | 14.5 | 36 | 46 | 50 | 108012.4 |
| | | 108013.1 | 108013 | 42 | 27 | 16 | 39 | 55 | 60 | 108013.4 |
| | | 108014.1 | 108014 | 6 | 18 | 11 | 26 | 14 | 17 | 108014.4 |
| | | 108015.1 | 108015 | 8 | 20 | 13 | 28 | 17 | 19 | 108015.4 |
| S | 630 | 108016.1 | 108016 | 10 | 20 | 12.5 | 28.5 | 19 | 22 | 108016.4 |
| | | 108017.1 | 108017 | 12 | 22 | 14.5 | 30.5 | 22 | 24 | 108017.4 |
| | | 108018.1 | 108018 | 14 | 24 | 16 | 34 | 24 | 27 | 108018.4 |
| | | 108019.1 | 108019 | 16 | 24 | 15.5 | 34 | 27 | 30 | 108019.4 |
| | | 108020.1 | 108020 | 20 | 28 | 17.5 | 39 | 32 | 36 | 108020.4 |
| | | 108021.1 | 108021 | 25 | 32 | 20 | 44 | 41 | 46 | 108021.4 |
| | 400 | 108022.1 | 108022 | 30 | 34 | 20.5 | 47 | 46 | 50 | 108022.4 |
| | | 108023.1 | 108023 | 38 | 39 | 23 | 54 | 55 | 60 | 108023.4 |

ŚRUBA DO PRZYŁĄCZA TYPU "BANJO" Z GWINTEM METRYCZNYM

HOLLOW SCREW FOR BANJOS - THREAD METRIC PARALLEL

1082...

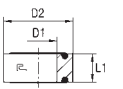


| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) * | M | D1 | L1 | CH1 |
|----------------|-----------------|---|--------|------|------|-----|
| L/S | - | 108201 | 8x1 | 3 | 32 | 14 |
| | | 108202 | 10x1 | 4 | 32 | 17 |
| | | 108203 | 12x1.5 | 4 | 44 | 19 |
| | | 108204 | 14x1.5 | 5 | 44 | 19 |
| | | 108205 | 16x1.5 | 8 | 50.5 | 24 |
| | | 108206 | 18x1.5 | 8 | 54 | 27 |
| | | 108207 | 20x1.5 | 10 | 59 | 30 |
| | | 108208 | 22x1.5 | 10 | 60.5 | 30 |
| | | 108209 | 26x1.5 | 14.5 | 70 | 36 |
| | | 108210 | 27x2 | 14.5 | 70 | 36 |
| | | 108211 | 33x2 | 21 | 84.5 | 46 |
| | | 108212 | 42x2 | 26 | 100 | 55 |
| | | 108213 | 48x2 | 30 | 112 | 60 |

PIERŚCIEŃ USZCZELNIAJĄCY DO PRZYŁĄCZY MANOMETRÓW

O-RING SEALING WASHER FOR GAUGE COUPLINGS

1085...



| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) * | D1 | D2 | L1 | Gwint BSP (Thread BSP) |
|----------------|-----------------|---|----|----|-----|------------------------|
| L/S | - | 108501 | 6 | 11 | 4.5 | 1/4 |
| | | 108502 | 9 | 8 | 5 | 1/2 |

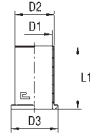
* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 10.. na 11.. np. 108601 na 118601.
 * Note: If you wish to order a fitting in stainless steel, please change the first two digit from 10.. to 11.. ex. 108601 to 118601

DIN 2353

TULEJA WZMACNIAJĄCA

PIPE INSERT

1086...



| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) * | Ø Rury (Ø Tube) | D1 | D2 | D3 | L1 |
|----------------|-----------------|---|-----------------|----|------|----|------|
| L/S | - | 108601 | 6 | 3 | 3,9 | 6 | 11 |
| | | 108602 | 8 | 5 | 5,9 | 8 | 14 |
| | | 108603 | 10 | 7 | 7,9 | 10 | 15 |
| | | 108604 | 12 | 9 | 9,9 | 12 | 16 |
| | | 108605 | 15 | 12 | 12,9 | 15 | 17 |
| | | 108606 | 18 | 14 | 14,9 | 18 | 20 |
| | | 108607 | 20 | 15 | 15,9 | 20 | 20 |
| | | 108608 | 22 | 16 | 17,9 | 22 | 20 |
| | | 108609 | 28 | 22 | 23,9 | 28 | 23,5 |
| | | 108610 | 30 | 24 | 25,9 | 30 | 23,5 |
| | | 108611 | 35 | 28 | 30,9 | 35 | 28,5 |

PRZYŁĄCZE PROSTE Z GWINTEM BSP I METRYCZNYM Z USZCZELNIENIEM TYPU O-RING

MALE STUD COUPLING WITH O-RING AND WASHER - THREAD BSP PARALLEL - THREAD METRIC PARALLEL

1088...1
Korpus (Only Body)

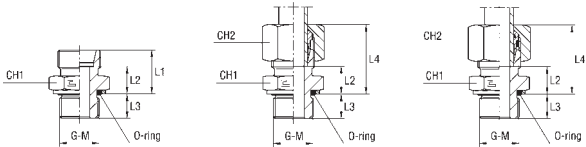
1088...
B3 Pierścieni (Ring)

1088...4
B4 Pierścieni (Ring)

1089...1
Korpus (Only Body)

1089...
B3 Pierścieni (Ring)

1089...4
B4 Pierścieni (Ring)

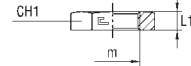


| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) * | Kod zamówienia kompletu z "B3" (Ordering B3 Ring) * | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring) * |
|----------------|-----------------|--|---|-----------------|--------|-------|-------|------|-------|----------|-----|---|
| LL | 100 | 108801.1 | 108801 | 4 | 1/8 | 13,3 | 9,3 | 6,7 | 19,8 | 14 | 10 | - |
| | | 108802.1 | 108802 | 6 | 1/8 | 13,3 | 7,8 | 6,7 | 19,8 | 14 | 12 | - |
| | | 108803.1 | 108803 | 8 | 1/8 | 14,3 | 9,8 | 6,7 | 20,8 | 14 | 14 | - |
| | | 108804.1 | 108804 | 6 | 1/8 | 15,3 | 8,3 | 6,7 | 22,8 | 14 | 14 | 108804.4 |
| | | 108805.1 | 108805 | 8 | 1/4 | 16,8 | 9,8 | 10,2 | 24,8 | 19 | 17 | 108805.4 |
| | | 108806.1 | 108806 | 10 | 1/4 | 17,8 | 10,8 | 10,2 | 25,8 | 19 | 19 | 108806.4 |
| | | 108807.1 | 108807 | 12 | 3/8 | 19,3 | 12,3 | 10,2 | 26,8 | 22 | 22 | 108807.4 |
| | | 108808.1 | 108808 | 15 | 1/2 | 20,8 | 13,8 | 12,2 | 28,8 | 27 | 27 | 108808.4 |
| | | 108809.1 | 108809 | 18 | 1/2 | 21,8 | 14,3 | 12,2 | 30,8 | 27 | 32 | 108809.4 |
| | | 108810.1 | 108810 | 22 | 3/4 | 23,8 | 16,3 | 14,2 | 32,8 | 36 | 36 | 108810.4 |
| | | 108811.1 | 108811 | 28 | 1 | 25,1 | 17,6 | 15,4 | 34,1 | 41 | 41 | 108811.4 |
| L | 315 | 108812.1 | 108812 | 35 | 1 1/4 | 28,1 | 17,6 | 17,4 | 39,1 | 50 | 50 | 108812.4 |
| | | 108813.1 | 108813 | 42 | 1 1/2 | 30,1 | 19,1 | 19,4 | 42,1 | 55 | 60 | 108813.4 |
| | | 108814.1 | 108814 | 6 | 1/4 | 19,8 | 12,8 | 10,2 | 27,8 | 19 | 17 | 108814.4 |
| | | 108815.1 | 108815 | 8 | 1/4 | 21,8 | 14,8 | 10,2 | 29,8 | 19 | 19 | 108815.4 |
| | | 108816.1 | 108816 | 10 | 3/8 | 22,3 | 14,8 | 10,2 | 30,8 | 22 | 22 | 108816.4 |
| | | 108817.1 | 108817 | 12 | 3/8 | 24,3 | 16,8 | 10,2 | 32,8 | 22 | 24 | 108817.4 |
| | | 108818.1 | 108818 | 14 | 1/2 | 26,8 | 18,8 | 12,2 | 36,8 | 27 | 27 | 108818.4 |
| | | 108819.1 | 108819 | 16 | 1/2 | 28,8 | 18,3 | 12,2 | 36,8 | 27 | 30 | 108819.4 |
| | | 108820.1 | 108820 | 20 | 3/4 | 30,8 | 20,3 | 14,2 | 41,8 | 36 | 36 | 108820.4 |
| | | 108821.1 | 108821 | 25 | 1 | 35,1 | 23,1 | 15,4 | 47,1 | 41 | 46 | 108821.4 |
| | | 108822.1 | 108822 | 30 | 1 1/4 | 37,1 | 23,6 | 17,4 | 50,1 | 50 | 50 | 108822.4 |
| 108823.1 | 108823 | 38 | 1 1/2 | 42,1 | 26,1 | 19,4 | 57,1 | 55 | 60 | 108823.4 | | |
| S | 250 | 108824.1 | 108824 | 48 | 2 | 52,1 | 30,1 | 21,4 | 62,1 | 60 | 60 | 108824.4 |
| | | 108825.1 | 108825 | 60 | 2 1/2 | 62,1 | 35,1 | 23,4 | 72,1 | 70 | 70 | 108825.4 |
| | | 108826.1 | 108826 | 80 | 3 | 72,1 | 40,1 | 25,4 | 82,1 | 80 | 80 | 108826.4 |
| | | 108827.1 | 108827 | 100 | 4 | 82,1 | 45,1 | 27,4 | 92,1 | 90 | 90 | 108827.4 |
| | | 108828.1 | 108828 | 120 | 5 | 92,1 | 50,1 | 29,4 | 102,1 | 100 | 100 | 108828.4 |
| | | 108829.1 | 108829 | 150 | 6 | 102,1 | 55,1 | 31,4 | 112,1 | 110 | 110 | 108829.4 |
| | | 108830.1 | 108830 | 200 | 8 | 122,1 | 65,1 | 35,4 | 132,1 | 130 | 130 | 108830.4 |
| | | 108831.1 | 108831 | 250 | 10 | 142,1 | 75,1 | 39,4 | 152,1 | 150 | 150 | 108831.4 |
| | | 108832.1 | 108832 | 300 | 12 | 162,1 | 85,1 | 43,4 | 172,1 | 170 | 170 | 108832.4 |
| | | 108833.1 | 108833 | 350 | 14 | 182,1 | 95,1 | 47,4 | 192,1 | 190 | 190 | 108833.4 |
| | | 108834.1 | 108834 | 400 | 16 | 202,1 | 105,1 | 51,4 | 212,1 | 210 | 210 | 108834.4 |
| LL | 100 | 108901.1 | 108901 | 4 | 10x1 | 13,5 | 9,5 | 7,5 | 20 | 14 | 10 | - |
| | | 108902.1 | 108902 | 6 | 10x1 | 13,5 | 8 | 7,5 | 20 | 14 | 12 | - |
| | | 108903.1 | 108903 | 8 | 10x1 | 14,5 | 9 | 7,5 | 21 | 14 | 14 | - |
| | | 108904.1 | 108904 | 6 | 10x1 | 15,5 | 8,5 | 7,5 | 23 | 14 | 14 | 108904.4 |
| | | 108905.1 | 108905 | 8 | 12x1,5 | 16,9 | 9,9 | 9,6 | 24,9 | 17 | 17 | 108905.4 |
| | | 108906.1 | 108906 | 10 | 14x1,5 | 17,9 | 10,9 | 9,6 | 25,9 | 19 | 19 | 108906.4 |
| | | 108907.1 | 108907 | 12 | 16x1,5 | 19,4 | 12,4 | 11,1 | 26,9 | 22 | 22 | 108907.4 |
| | | 108908.1 | 108908 | 15 | 18x1,5 | 20,4 | 13,4 | 12,6 | 28,3 | 24 | 27 | 108908.4 |
| | | 108909.1 | 108909 | 18 | 22x1,5 | 21,9 | 14,4 | 13,6 | 30,3 | 27 | 32 | 108909.4 |
| | | 108910.1 | 108910 | 22 | 27x2 | 24 | 16,5 | 16,5 | 33 | 32 | 36 | 108910.4 |
| | | 108911.1 | 108911 | 28 | 33x2 | 25 | 17,5 | 16,5 | 34 | 41 | 41 | 108911.4 |
| L | 315 | 108912.1 | 108912 | 35 | 42x2 | 28 | 17,5 | 17 | 39 | 50 | 50 | 108912.4 |
| | | 108913.1 | 108913 | 42 | 48x2 | 30 | 19 | 19,5 | 42 | 55 | 60 | 108913.4 |
| | | 108914.1 | 108914 | 6 | 12x1,5 | 19,9 | 12,9 | 9,6 | 27,9 | 17 | 17 | 108914.4 |
| | | 108915.1 | 108915 | 8 | 14x1,5 | 21,9 | 14,9 | 9,6 | 29,9 | 19 | 19 | 108915.4 |
| | | 108916.1 | 108916 | 10 | 16x1,5 | 22,4 | 14,9 | 11,1 | 30,9 | 22 | 22 | 108916.4 |
| | | 108917.1 | 108917 | 12 | 18x1,5 | 24,4 | 16,9 | 12,6 | 32,9 | 24 | 24 | 108917.4 |
| | | 108918.1 | 108918 | 14 | 20x1,5 | 26,9 | 18,9 | 12,6 | 36,9 | 27 | 27 | 108918.4 |
| | | 108919.1 | 108919 | 16 | 22x1,5 | 26,9 | 18,4 | 13,6 | 36,9 | 27 | 30 | 108919.4 |
| | | 108920.1 | 108920 | 20 | 27x2 | 31 | 20,5 | 16,5 | 42 | 32 | 36 | 108920.4 |
| | | 108921.1 | 108921 | 25 | 33x2 | 35 | 23 | 16,5 | 47 | 41 | 46 | 108921.4 |
| | | 108922.1 | 108922 | 30 | 42x2 | 37 | 23,5 | 17 | 50 | 50 | 50 | 108922.4 |
| 108923.1 | 108923 | 38 | 48x2 | 42 | 26 | 19,5 | 57 | 55 | 60 | 108923.4 | | |
| S | 250 | 108924.1 | 108924 | 48 | 48x2 | 42 | 26 | 19,5 | 57 | 55 | 60 | 108924.4 |
| | | 108925.1 | 108925 | 60 | 54x2 | 46 | 28 | 21,5 | 63 | 60 | 60 | 108925.4 |
| | | 108926.1 | 108926 | 80 | 60x2 | 50 | 30 | 23,5 | 71 | 70 | 70 | 108926.4 |
| | | 108927.1 | 108927 | 100 | 66x2 | 54 | 32 | 25,5 | 79 | 78 | 78 | 108927.4 |
| | | 108928.1 | 108928 | 120 | 72x2 | 58 | 34 | 27,5 | 87 | 86 | 86 | 108928.4 |
| | | 108929.1 | 108929 | 150 | 78x2 | 62 | 36 | 29,5 | 95 | 94 | 94 | 108929.4 |
| | | 108930.1 | 108930 | 200 | 90x2 | 74 | 42 | 35,5 | 111 | 110 | 110 | 108930.4 |
| | | 108931.1 | 108931 | 250 | 102x2 | 86 | 48 | 41,5 | 127 | 126 | 126 | 108931.4 |
| | | 108932.1 | 108932 | 300 | 114x2 | 98 | 54 | 47,5 | 143 | 142 | 142 | 108932.4 |
| | | 108933.1 | 108933 | 350 | 126x2 | 110 | 60 | 53,5 | 159 | 158 | 158 | 108933.4 |
| | | 108934.1 | 108934 | 400 | 138x2 | 122 | 66 | 59,5 | 175 | 174 | 174 | 108934.4 |

PRZECIWNĄKRĘTKA

HEXAGONAL NUT

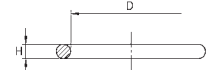
1087...



| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) * | m | L1 | CH1 | Ø Rury (Ø Tube) | Ø Rury (Ø Tube) |
|----------------|-----------------|---|--------|----|-----|-----------------|-----------------|
| L/S | - | 108705 | 14x1,5 | 6 | 17 | 6L | 6S |
| | | 108706 | 16x1,5 | 6 | 19 | 6L | 6S |
| | | 108707 | 18x1,5 | 6 | 22 | 10L | 8S |
| | | 108708 | 20x1,5 | 6 | 24 | 12L | 10S |
| | | 108709 | 22x1,5 | 7 | 27 | 12L | 12S |
| | | 108710 | 24x1,5 | 7 | 30 | 15L | 14S |
| | | 108711 | 26x1,5 | 7 | 32 | 15L | 16S |
| | | 108712 | 30x2 | 8 | 36 | 18L | - |
| | | 108713 | 36x2 | 9 | 46 | 28L | 20S |
| | | 108714 | 42x2 | 9 | 50 | 28L | 25S |
| | | 108715 | 45x2 | 9 | 55 | 35L | - |
| | | 108716 | 52x2 | 10 | 65 | 42L | 38S |

PIERŚCIEŃ USZCZELNIAJĄCY TYPU O-RING

O-RING



0301... NBR

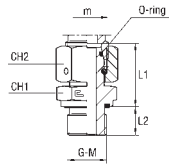
0302... VITON®

| Kod zamówienia (Ordering NBR) * | Kod zamówienia (Ordering VITON®) * | D | H | Kod zamówienia (Ordering NBR) * | Kod zamówienia (Ordering VITON®) * | D | H | Kod zamówienia (Ordering NBR) * | Kod zamówienia (Ordering VITON®) * | D | H |
|---------------------------------|------------------------------------|-------|------|---------------------------------|------------------------------------|-------|------|---------------------------------|------------------------------------|-------|------|
| 030101 | 030201 | 4 | 1 | 030124 | 030224 | 15 | 2 | 030147 | 030247 | 30 | 1 |
| 030102 | 030202 | 4 | 1,5 | 030125 | 030225 | 15,3 | 2,2 | 030148 | 030248 | 32 | 2,5 |
| 030103 | 030203 | 6 | 1 | 030126 | 030226 | 16 | 1 | 030149 | 030249 | 33,3 | 2,4 |
| 030104 | 030204 | 6 | 1,5 | 030127 | 030227 | 16,3 | 2,4 | 030150 | 030250 | 35 | 1 |
| 030105 | 030205 | 7,5 | 1,5 | 030128 | 030228 | 16,36 | 2,2 | 030151 | 030251 | 37,46 | 3 |
| 030106 | 030206 | 7,67 | 1,88 | 030129 | 030229 | 17,66 | 2,62 | 030152 | 030252 | 37,69 | 3,53 |
| 030107 | 030207 | 8 | 1 | 030130 | 030230 | 18 | 1 | 030153 | 030253 | 38 | 1 |
| 030108 | 030208 | 8,1 | 1,6 | 030131 | 030231 | 19,18 | 2,46 | 030154 | 030254 | 38 | 2,5 |
| 030109 | 030209 | 8,92 | 1,83 | 030132 | 030232 | 19,3 | 2,2 | 030155 | 030255 | 38,6 | 2,9 |
| 030110 | 030210 | 9 | 1,5 | 030133 | 030233 | 20 | 1 | 030156 | 030256 | 42 | 1 |
| 030111 | 030211 | 9,3 | 2,2 | 030134 | 030234 | 20 | 2 | 030157 | 030257 | 43,69 | 3 |
| 030112 | 030212 | 10 | 1 | 030135 | 030235 | 20,3 | 2,4 | 030158 | 030258 | 44,04 | 3,53 |
| 030113 | 030213 | 10 | 2 | 030136 | 030236 | 22 | 1 | 030159 | 030259 | 44,6 | 2,9 |
| 030114 | 030214 | 10,52 | 1,93 | 030137 | 030237 | | | | | | |

PRZYŁĄCZE PROSTE NAKRĘTNE Z GWINTEM BSP LUB METRYCZNYM Z USZCZELNIENIEM ELASTOMEROWYM

MALE STUD COUPLING WITH SWIVEL NUT AND ELASTOMER SEAL - THREAD BSP PARALLEL - THREAD METRIC PARALLEL

6005...
6006...



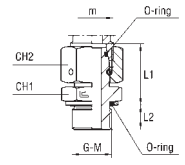
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) * | Ø Rury (Ø Tube) | m | G | L1 | L2 | CH1 | CH2 |
|----------------|-----------------|---|-----------------|--------|--------|------|----|-----|-----|
| L | 315 | 600504 | 6 | 12x1.5 | 1/8 | 24.5 | 8 | 14 | 14 |
| | | 600505 | 8 | 14x1.5 | 1/4 | 29.5 | 12 | 19 | 17 |
| | | 600506 | 10 | 16x1.5 | 1/4 | 27.5 | 12 | 19 | 19 |
| | | 600507 | 12 | 18x1.5 | 3/8 | 34 | 12 | 22 | 22 |
| | | 600508 | 15 | 22x1.5 | 1/2 | 32 | 14 | 27 | 27 |
| | | 600509 | 18 | 26x1.5 | 1/2 | 31.5 | 14 | 27 | 32 |
| | | 600510 | 22 | 30x2 | 3/4 | 32.5 | 16 | 32 | 36 |
| | | 600511 | 28 | 36x2 | 1 | 35 | 18 | 41 | 41 |
| | | 600512 | 35 | 45x2 | 1 1/4 | 42.5 | 20 | 50 | 50 |
| | | 600513 | 42 | 52x2 | 1 1/2 | 46.5 | 22 | 55 | 60 |
| S | 630 | 600514 | 6 | 14x1.5 | 1/4 | 27 | 12 | 19 | 17 |
| | | 600515 | 8 | 16x1.5 | 1/4 | 29.5 | 12 | 19 | 19 |
| | | 600516 | 10 | 18x1.5 | 3/8 | 32 | 12 | 22 | 22 |
| | | 600517 | 12 | 20x1.5 | 3/8 | 34 | 12 | 22 | 24 |
| | | 600518 | 14 | 22x1.5 | 1/2 | 36.5 | 14 | 27 | 27 |
| | | 600519 | 16 | 24x1.5 | 1/2 | 37 | 14 | 27 | 30 |
| | | 600520 | 20 | 30x2 | 3/4 | 43 | 16 | 32 | 36 |
| | | 600521 | 25 | 36x2 | 1 | 48 | 18 | 41 | 46 |
| | | 600522 | 30 | 42x2 | 1 1/4 | 51 | 20 | 50 | 50 |
| | | 600523 | 38 | 52x2 | 1 1/2 | 60 | 22 | 55 | 60 |
| M | | | | | | | | | |
| L | 315 | 600604 | 6 | 12x1.5 | 10x1 | 24.5 | 8 | 14 | 14 |
| | | 600605 | 8 | 14x1.5 | 12x1.5 | 26.5 | 12 | 17 | 17 |
| | | 600606 | 10 | 16x1.5 | 14x1.5 | 27.5 | 12 | 19 | 19 |
| | | 600607 | 12 | 18x1.5 | 16x1.5 | 30.5 | 12 | 22 | 22 |
| | | 600608 | 15 | 22x1.5 | 18x1.5 | 31.5 | 12 | 24 | 27 |
| | | 600609 | 18 | 26x1.5 | 22x1.5 | 31.5 | 14 | 27 | 32 |
| | | 600610 | 22 | 30x2 | 26x1.5 | 32.5 | 16 | 32 | 36 |
| | | 600611 | 28 | 36x2 | 33x2 | 35 | 18 | 41 | 41 |
| | | 600612 | 35 | 45x2 | 42x2 | 42.5 | 20 | 50 | 50 |
| | | 600613 | 42 | 52x2 | 48x2 | 46.5 | 22 | 55 | 60 |
| S | 630 | 600614 | 6 | 14x1.5 | 12x1.5 | 27 | 12 | 17 | 17 |
| | | 600615 | 8 | 16x1.5 | 14x1.5 | 29.5 | 12 | 19 | 19 |
| | | 600616 | 10 | 18x1.5 | 16x1.5 | 32 | 12 | 22 | 22 |
| | | 600617 | 12 | 20x1.5 | 18x1.5 | 34 | 12 | 24 | 24 |
| | | 600618 | 14 | 22x1.5 | 20x1.5 | 36.5 | 14 | 27 | 27 |
| | | 600619 | 16 | 24x1.5 | 22x1.5 | 37 | 14 | 27 | 30 |
| | | 600620 | 20 | 30x2 | 27x2 | 43 | 16 | 32 | 36 |
| | | 600621 | 25 | 36x2 | 33x2 | 48 | 18 | 41 | 46 |
| | | 600622 | 30 | 42x2 | 42x2 | 51 | 20 | 50 | 50 |
| | | 600623 | 38 | 52x2 | 48x2 | 60 | 22 | 55 | 60 |

Uwaga: inne rozmiary przyłącza dostępne na zapytanie.
Attention: other sizes available upon request.

PRZYŁĄCZE PROSTE NAKRĘTNE Z GWINTEM BSP LUB METRYCZNYM Z USZCZELNIENIEM TYPU O-RING

MALE STUD COUPLING WITH SWIVEL NUT O-RING AND WASHER - THREAD BSP PARALLEL - THREAD METRIC PARALLEL

6007...
6008...



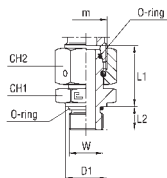
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) * | Ø Rury (Ø Tube) | m | G | L1 | L2 | CH1 | CH2 |
|----------------|-----------------|---|-----------------|--------|--------|------|------|-----|-----|
| L | 315 | 600704 | 6 | 12x1.5 | 1/8 | 25.8 | 6.7 | 14 | 14 |
| | | 600705 | 8 | 14x1.5 | 1/4 | 31.3 | 10.2 | 19 | 17 |
| | | 600706 | 10 | 16x1.5 | 1/4 | 29.3 | 10.2 | 19 | 19 |
| | | 600707 | 12 | 18x1.5 | 3/8 | 35.8 | 10.2 | 22 | 22 |
| | | 600708 | 15 | 22x1.5 | 1/2 | 33.8 | 12.2 | 27 | 27 |
| | | 600709 | 18 | 26x1.5 | 1/2 | 33.3 | 12.2 | 27 | 32 |
| | | 600710 | 22 | 30x2 | 3/4 | 34.3 | 14.2 | 36 | 36 |
| | | 600711 | 28 | 36x2 | 1 | 37.6 | 15.4 | 41 | 41 |
| | | 600712 | 35 | 45x2 | 1 1/4 | 45.1 | 17.4 | 50 | 50 |
| | | 600713 | 42 | 52x2 | 1 1/2 | 49.1 | 19.4 | 55 | 60 |
| S | 400 | 600714 | 6 | 14x1.5 | 1/4 | 28.8 | 10.2 | 19 | 17 |
| | | 600715 | 8 | 16x1.5 | 1/4 | 31.3 | 10.2 | 19 | 19 |
| | | 600716 | 10 | 18x1.5 | 3/8 | 33.8 | 10.2 | 22 | 22 |
| | | 600717 | 12 | 20x1.5 | 3/8 | 35.8 | 10.2 | 22 | 24 |
| | | 600718 | 14 | 22x1.5 | 1/2 | 38.3 | 12.2 | 27 | 27 |
| | | 600719 | 16 | 24x1.5 | 1/2 | 38.8 | 12.2 | 27 | 30 |
| | | 600720 | 20 | 30x2 | 3/4 | 44.8 | 14.2 | 36 | 36 |
| | | 600721 | 25 | 36x2 | 1 | 50.6 | 15.4 | 41 | 46 |
| | | 600722 | 30 | 42x2 | 1 1/4 | 53.6 | 17.4 | 50 | 50 |
| | | 600723 | 38 | 52x2 | 1 1/2 | 62.6 | 19.4 | 55 | 60 |
| M | | | | | | | | | |
| L | 315 | 600804 | 6 | 12x1.5 | 10x1 | 25 | 7.5 | 14 | 14 |
| | | 600805 | 8 | 14x1.5 | 12x1.5 | 28.9 | 9.6 | 17 | 17 |
| | | 600806 | 10 | 16x1.5 | 14x1.5 | 29.9 | 9.6 | 19 | 19 |
| | | 600807 | 12 | 18x1.5 | 16x1.5 | 31.4 | 11.1 | 22 | 22 |
| | | 600808 | 15 | 22x1.5 | 18x1.5 | 30.9 | 12.6 | 24 | 27 |
| | | 600809 | 18 | 26x1.5 | 22x1.5 | 31.9 | 13.6 | 27 | 32 |
| | | 600810 | 22 | 30x2 | 27x2 | 32 | 16.5 | 32 | 36 |
| | | 600811 | 28 | 36x2 | 33x2 | 36.5 | 16.5 | 41 | 41 |
| | | 600812 | 35 | 45x2 | 42x2 | 45.5 | 17 | 50 | 50 |
| | | 600813 | 42 | 52x2 | 48x2 | 48 | 19.5 | 55 | 60 |
| S | 400 | 600814 | 6 | 14x1.5 | 12x1.5 | 28.4 | 9.6 | 17 | 17 |
| | | 600815 | 8 | 16x1.5 | 14x1.5 | 30.9 | 9.6 | 19 | 19 |
| | | 600816 | 10 | 18x1.5 | 16x1.5 | 32.9 | 11.1 | 22 | 22 |
| | | 600817 | 12 | 20x1.5 | 18x1.5 | 34.4 | 12.6 | 24 | 24 |
| | | 600818 | 14 | 22x1.5 | 20x1.5 | 35.1 | 12.9 | 27 | 27 |
| | | 600819 | 16 | 24x1.5 | 22x1.5 | 36.6 | 13.4 | 27 | 30 |
| | | 600820 | 20 | 30x2 | 27x2 | 42.5 | 16.5 | 32 | 36 |
| | | 600821 | 25 | 36x2 | 33x2 | 46.5 | 16.5 | 41 | 46 |
| | | 600822 | 30 | 42x2 | 42x2 | 52 | 17 | 50 | 50 |
| | | 600823 | 38 | 52x2 | 48x2 | 62.5 | 19.5 | 55 | 60 |

Uwaga: inne rozmiary przyłącza dostępne na zapytanie.
Attention: other sizes available upon request.

PRZYŁĄCZE PROSTE NAKRĘTNE Z GWINTEM UNF/UN-2A Z USZCZELNIENIEM TYPU O-RING

MALE STUD COUPLING WITH SWIVEL NUT AND O-RING - THREAD UNF/UN-2A

6009...



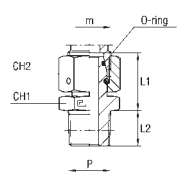
| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) * | Ø Rury (Ø Tube) | m | W | D1 | L1 | L2 | CH1 | CH2 |
|----------------|-----------------|---|-----------------|--------|----------|------|------|------|-----|-----|
| L | 315 | 600904 | 6 | 12x1.5 | 7/16-20 | 13.8 | 23.4 | 9.1 | 14 | 14 |
| | | 600905 | 8 | 14x1.5 | 7/16-20 | 13.8 | 32.4 | 9.1 | 14 | 17 |
| | | 600906 | 10 | 16x1.5 | 9/16-18 | 18.8 | 29.5 | 10 | 17 | 19 |
| | | 600907 | 12 | 18x1.5 | 3/4-16 | 21.8 | 34.9 | 11.1 | 22 | 22 |
| | | 600908 | 15 | 22x1.5 | 7/8-14 | 26.8 | 33.3 | 12.7 | 27 | 27 |
| | | 600909 | 18 | 26x1.5 | 7/8-14 | 26.8 | 32.8 | 12.7 | 27 | 32 |
| | | 600910 | 22 | 30x2 | 1 1/8-12 | 31.8 | 33.4 | 15.1 | 32 | 36 |
| | | 600911 | 25 | 36x2 | 1 5/8-12 | 40.8 | 37.9 | 15.1 | 41 | 41 |
| | | 600912 | 35 | 45x2 | 1 5/8-12 | 49.8 | 47.4 | 15.1 | 50 | 50 |
| | | 600913 | 42 | 52x2 | 1 7/8-12 | 54.8 | 53.4 | 15.1 | 55 | 60 |
| S | 630 | 600914 | 6 | 14x1.5 | 7/16-20 | 13.8 | 29.9 | 9.1 | 14 | 17 |
| | | 600915 | 8 | 16x1.5 | 9/16-18 | 18.8 | 31.5 | 10 | 17 | 19 |
| | | 600916 | 10 | 18x1.5 | 9/16-18 | 18.8 | 34 | 10 | 17 | 22 |
| | | 600917 | 12 | 20x1.5 | 3/4-16 | 21.8 | 34.9 | 11.1 | 22 | 24 |
| | | 600918 | 14 | 22x1.5 | 7/8-14 | 26.8 | 37.6 | 12.7 | 27 | 27 |
| | | 600919 | 16 | 24x1.5 | 7/8-14 | 26.8 | 38.3 | 12.7 | 27 | 30 |
| | | 600920 | 20 | 30x2 | 1 1/8-12 | 31.8 | 43.9 | 15.1 | 32 | 36 |
| | | 600921 | 25 | 36x2 | 1 5/8-12 | 40.8 | 50.9 | 15.1 | 41 | 46 |
| | | 600922 | 30 | 42x2 | 1 5/8-12 | 49.8 | 55.9 | 15.1 | 50 | 50 |
| | | 600923 | 38 | 52x2 | 1 7/8-12 | 54.8 | 66.9 | 15.1 | 55 | 60 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 10.. na 11.. np. 108601 na 118601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 10.. to 11.. ex. 108601 to 118601

PRZYŁĄCZE PROSTE NAKRĘTNE Z GWINTEM NPT

MALE STUD COUPLING WITH SWIVEL NUT - THREAD NPT

6010...

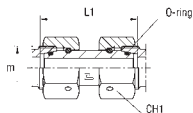


| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) * | Ø Rury (Ø Tube) | m | P | L1 | L2 | CH1 | CH2 |
|----------------|-----------------|---|-----------------|--------|-------|------|------|-----|-----|
| L | 315 | 601004 | 6 | 12x1.5 | 1/8 | 23 | 10 | 12 | 14 |
| | | 601005 | 8 | 14x1.5 | 1/4 | 27.5 | 15 | 14 | 17 |
| | | 601006 | 10 | 16x1.5 | 1/4 | 25.5 | 15 | 14 | 19 |
| | | 601007 | 12 | 18x1.5 | 3/8 | 31.5 | 15 | 19 | 22 |
| | | 601008 | 15 | 22x1.5 | 1/2 | 29 | 19.5 | 22 | 27 |
| | | 601009 | 18 | 26x1.5 | 1/2 | 28.5 | 19.5 | 24 | 32 |
| | | 601010 | 22 | 30x2 | 3/4 | 29.5 | 20 | 27 | 36 |
| | | 601011 | 28 | 36x2 | 1 | 32 | 25 | 36 | 41 |
| | | 601012 | 35 | 45x2 | 1 1/4 | 39.5 | 25.5 | 46 | 50 |
| | | 601013 | 42 | 52x2 | 1 1/2 | 43.5 | 26 | 50 | 60 |
| S | 630 | 601014 | 6 | 14x1.5 | 1/4 | 25 | 15 | 14 | 17 |
| | | 601015 | 8 | 16x1.5 | 1/4 | 27.5 | 15 | 14 | 19 |
| | | 601016 | 10 | 18x1.5 | 3/8 | 29.5 | 15 | 19 | 22 |
| | | 601017 | 12 | 20x1.5 | 3/8 | 31.5 | 15 | 19 | 24 |
| | | 601018 | 14 | 22x1.5 | 1/2 | 33.5 | 19.5 | 22 | 27 |
| | | 601019 | 16 | 24x1.5 | 1/2 | 34 | 19.5 | 22 | 30 |
| | | 601020 | 20 | 30x2 | 3/4 | 40 | 20 | 27 | 36 |
| | | 601021 | 25 | 36x2 | 1 | 45 | 25 | 36 | 46 |
| | | 601022 | 30 | 42x2 | 1 1/4 | 48 | 25.5 | 46 | 50 |
| | | 601023 | 38 | 52x2 | 1 1/2 | 57 | 26 | 50 | 60 |

DIN 2353

ZŁĄCZE PROSTE NAKRĘTNE STRAIGHT COUPLING WITH SWIVEL NUT

6035...

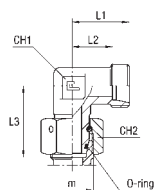


| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia (Ordering Code)* | Ø Rury (Ø Tube) | M | L1 | CH1 |
|----------------|-----------------|---------------------------------|-----------------|--------|----|-----|
| L | 315 | 603504 | 6 | 12x1,5 | 40 | 14 |
| | | 603505 | 8 | 14x1,5 | 40 | 17 |
| | | 603506 | 10 | 16x1,5 | 39 | 19 |
| | | 603507 | 12 | 18x1,5 | 39 | 22 |
| | | 603508 | 15 | 22x1,5 | 45 | 27 |
| | 160 | 603509 | 18 | 26x1,5 | 43 | 32 |
| | | 603510 | 22 | 30x2 | 48 | 36 |
| | | 603511 | 28 | 36x2 | 49 | 41 |
| | | 603512 | 35 | 45x2 | 60 | 50 |
| | | 603513 | 42 | 52x2 | 60 | 60 |
| S | 630 | 603514 | 6 | 14x1,5 | 37 | 17 |
| | | 603515 | 8 | 16x1,5 | 38 | 19 |
| | | 603516 | 10 | 18x1,5 | 44 | 22 |
| | | 603517 | 12 | 20x1,5 | 41 | 24 |
| | | 603518 | 14 | 22x1,5 | 44 | 27 |
| | 400 | 603519 | 16 | 24x1,5 | 51 | 30 |
| | | 603520 | 20 | 30x2 | 56 | 36 |
| | | 603521 | 25 | 36x2 | 60 | 46 |
| | | 603522 | 30 | 42x2 | 62 | 50 |
| | | 603523 | 38 | 52x2 | 70 | 60 |

ZŁĄCZE KOLANOWE NAKRĘTNE ADJUSTABLE MALE STUD ELBOW

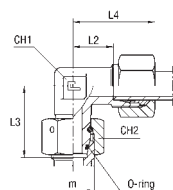
6042...1

Korpus (Only Body)



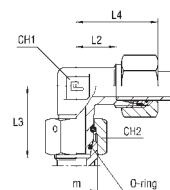
6042...

B3 Pierścień (Ring)



6042...4

B4 Pierścień (Ring)



| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body*) | Kod zamówienia pierścienia "B3" (Ordering B3 Ring*) | Ø Rury (Ø Tube) | m | L1 | L2 | L3 | L4 | L5 | L6 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring*) |
|----------------|-----------------|---|---|-----------------|--------|----|------|------|----|----|----|--|
| L | 315 | 604204.1 | 604204 | 6 | 12x1,5 | 19 | 12 | 26 | 27 | 12 | 14 | 604204.4 |
| | | 604205.1 | 604205 | 8 | 14x1,5 | 21 | 14 | 27,5 | 29 | 12 | 17 | 604205.4 |
| | | 604206.1 | 604206 | 10 | 16x1,5 | 22 | 15 | 29 | 30 | 14 | 19 | 604206.4 |
| | | 604207.1 | 604207 | 12 | 18x1,5 | 24 | 17 | 29,5 | 32 | 17 | 22 | 604207.4 |
| | | 604208.1 | 604208 | 15 | 22x1,5 | 28 | 21 | 32,5 | 36 | 19 | 27 | 604208.4 |
| | 160 | 604209.1 | 604209 | 18 | 26x1,5 | 31 | 23,5 | 35,5 | 40 | 24 | 32 | 604209.4 |
| | | 604210.1 | 604210 | 22 | 30x2 | 35 | 27,5 | 38,5 | 44 | 27 | 36 | 604210.4 |
| | | 604211.1 | 604211 | 28 | 36x2 | 38 | 30,5 | 41,5 | 47 | 36 | 41 | 604211.4 |
| | | 604212.1 | 604212 | 35 | 45x2 | 45 | 34,5 | 51,5 | 56 | 41 | 50 | 604212.4 |
| | | 604213.1 | 604213 | 42 | 52x2 | 51 | 40 | 56 | 63 | 50 | 60 | 604213.4 |
| S | 630 | 604214.1 | 604214 | 6 | 14x1,5 | 23 | 16 | 27 | 31 | 12 | 17 | 604214.4 |
| | | 604215.1 | 604215 | 8 | 16x1,5 | 24 | 17 | 27,5 | 32 | 14 | 19 | 604215.4 |
| | | 604216.1 | 604216 | 10 | 18x1,5 | 25 | 17,5 | 30 | 34 | 17 | 22 | 604216.4 |
| | | 604217.1 | 604217 | 12 | 20x1,5 | 29 | 21,5 | 31 | 38 | 17 | 24 | 604217.4 |
| | | 604218.1 | 604218 | 14 | 22x1,5 | 30 | 22 | 35 | 40 | 19 | 27 | 604218.4 |
| | 400 | 604219.1 | 604219 | 16 | 24x1,5 | 35 | 24,5 | 36,5 | 43 | 24 | 30 | 604219.4 |
| | | 604220.1 | 604220 | 20 | 30x2 | 37 | 26,5 | 44,5 | 48 | 27 | 36 | 604220.4 |
| | | 604221.1 | 604221 | 25 | 36x2 | 42 | 30 | 50 | 54 | 36 | 46 | 604221.4 |
| | | 604222.1 | 604222 | 30 | 42x2 | 49 | 35,5 | 55,5 | 62 | 41 | 50 | 604222.4 |
| | | 604223.1 | 604223 | 38 | 52x2 | 57 | 41 | 63 | 72 | 50 | 60 | 604223.4 |

PRZYŁĄCZE KOLANOWE NAKRĘTNE Z GWINTEM BSP LUB METRYCZNYM

ADJUSTABLE MALE STUD ELBOW WITH MALE STUD - THREAD BSP PARALLEL -
THREAD METRIC PARALLEL

6043...1

Korpus (Only Body)

6044...1

Korpus (Only Body)

6043...

B3 Pierścień (Ring)

6044...

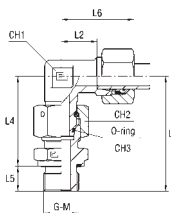
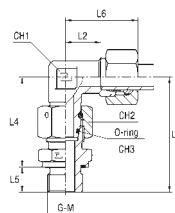
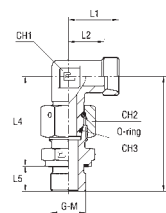
B3 Pierścień (Ring)

6043...4

B4 Pierścień (Ring)

6044...4

B4 Pierścień (Ring)



| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body*) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring*) | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | L5 | L6 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring*) |
|----------------|-----------------|---|--|-----------------|--------|----|------|------|------|----|----|-----|-----|-----|--|
| L | 315 | 604304.1 | 604304 | 6 | 1/8 | 19 | 12 | 42,5 | 34,5 | 8 | 27 | 12 | 14 | 14 | 604304.4 |
| | | 604305.1 | 604305 | 8 | 1/4 | 21 | 14 | 49 | 37 | 12 | 29 | 12 | 17 | 19 | 604305.4 |
| | | 604306.1 | 604306 | 10 | 1/4 | 22 | 15 | 51,5 | 39,5 | 12 | 30 | 14 | 19 | 19 | 604306.4 |
| | | 604307.1 | 604307 | 12 | 3/8 | 24 | 17 | 53,5 | 41,5 | 12 | 32 | 17 | 22 | 22 | 604307.4 |
| | | 604308.1 | 604308 | 15 | 1/2 | 28 | 21 | 60 | 46 | 14 | 36 | 19 | 27 | 27 | 604308.4 |
| | 160 | 604309.1 | 604309 | 18 | 1/2 | 31 | 23,5 | 63,5 | 49,5 | 14 | 40 | 24 | 32 | 27 | 604309.4 |
| | | 604310.1 | 604310 | 22 | 3/4 | 35 | 27,5 | 70,5 | 54,5 | 16 | 44 | 27 | 36 | 32 | 604310.4 |
| | | 604311.1 | 604311 | 28 | 1 | 38 | 30,5 | 77 | 59 | 18 | 47 | 36 | 41 | 41 | 604311.4 |
| | | 604312.1 | 604312 | 35 | 1 1/4 | 45 | 34,5 | 88,5 | 68,5 | 20 | 56 | 41 | 50 | 50 | 604312.4 |
| | | 604313.1 | 604313 | 42 | 1 1/2 | 51 | 40 | 97 | 75 | 22 | 63 | 50 | 60 | 55 | 604313.4 |
| S | 630 | 604314.1 | 604314 | 6 | 1/4 | 23 | 16 | 52 | 40 | 12 | 31 | 12 | 17 | 19 | 604314.4 |
| | | 604315.1 | 604315 | 8 | 1/4 | 24 | 17 | 54 | 42 | 12 | 32 | 14 | 19 | 19 | 604315.4 |
| | | 604316.1 | 604316 | 10 | 3/8 | 25 | 17,5 | 56,5 | 44,5 | 12 | 34 | 17 | 22 | 22 | 604316.4 |
| | | 604317.1 | 604317 | 12 | 3/8 | 29 | 21,5 | 59,5 | 47,5 | 12 | 38 | 17 | 24 | 24 | 604317.4 |
| | | 604318.1 | 604318 | 14 | 1/2 | 30 | 22 | 67,5 | 53,5 | 14 | 40 | 19 | 27 | 27 | 604318.4 |
| | 400 | 604319.1 | 604319 | 16 | 1/2 | 33 | 24,5 | 68,5 | 54,5 | 14 | 43 | 24 | 30 | 27 | 604319.4 |
| | | 604320.1 | 604320 | 20 | 3/4 | 37 | 26,5 | 80,5 | 64,5 | 16 | 48 | 27 | 36 | 32 | 604320.4 |
| | | 604321.1 | 604321 | 25 | 1 | 42 | 30 | 90,5 | 72,5 | 18 | 54 | 36 | 46 | 41 | 604321.4 |
| | | 604322.1 | 604322 | 30 | 1 1/4 | 49 | 35,5 | 98,5 | 78,5 | 20 | 62 | 41 | 50 | 50 | 604322.4 |
| | | 604323.1 | 604323 | 38 | 1 1/2 | 57 | 41 | 111 | 89 | 22 | 72 | 50 | 60 | 55 | 604323.4 |
| L | 315 | 604404.1 | 604404 | 6 | 10x1 | 19 | 12 | 42,5 | 34,5 | 8 | 27 | 12 | 14 | 14 | 604404.4 |
| | | 604405.1 | 604405 | 8 | 12x1,5 | 21 | 14 | 49 | 37 | 12 | 29 | 12 | 17 | 17 | 604405.4 |
| | | 604406.1 | 604406 | 10 | 14x1,5 | 22 | 15 | 51,5 | 39,5 | 12 | 30 | 14 | 19 | 19 | 604406.4 |
| | | 604407.1 | 604407 | 12 | 16x1,5 | 24 | 17 | 53,5 | 41,5 | 12 | 32 | 17 | 22 | 22 | 604407.4 |
| | | 604408.1 | 604408 | 15 | 18x1,5 | 28 | 21 | 60 | 45,5 | 14 | 36 | 19 | 27 | 24 | 604408.4 |
| | 160 | 604409.1 | 604409 | 18 | 22x1,5 | 31 | 23,5 | 63,5 | 49,5 | 14 | 40 | 24 | 32 | 27 | 604409.4 |
| | | 604410.1 | 604410 | 22 | 26x1,5 | 35 | 27,5 | 70,5 | 54,5 | 16 | 44 | 27 | 36 | 32 | 604410.4 |
| | | 604411.1 | 604411 | 28 | 33x2 | 38 | 30,5 | 77 | 59 | 18 | 47 | 36 | 41 | 41 | 604411.4 |
| | | 604412.1 | 604412 | 35 | 42x2 | 45 | 34,5 | 88,5 | 68,5 | 20 | 56 | 41 | 50 | 50 | 604412.4 |
| | | 604413.1 | 604413 | 42 | 48x2 | 51 | 40 | 97 | 75 | 22 | 63 | 50 | 60 | 55 | 604413.4 |
| S | 630 | 604414.1 | 604414 | 6 | 12x1,5 | 23 | 16 | 52 | 40 | 12 | 31 | 12 | 17 | 17 | 604414.4 |
| | | 604415.1 | 604415 | 8 | 14x1,5 | 24 | 17 | 54 | 42 | 12 | 32 | 14 | 19 | 19 | 604415.4 |
| | | 604416.1 | 604416 | 10 | 16x1,5 | 25 | 17,5 | 56,5 | 44,5 | 12 | 34 | 17 | 22 | 22 | 604416.4 |
| | | 604417.1 | 604417 | 12 | 18x1,5 | 29 | 21,5 | 59,5 | 47,5 | 12 | 38 | 17 | 24 | 24 | 604417.4 |
| | | 604418.1 | 604418 | 14 | 20x1,5 | 30 | 22 | 67,5 | 53,5 | 14 | 40 | 19 | 27 | 27 | 604418.4 |
| | 400 | 604419.1 | 604419 | 16 | 22x1,5 | 33 | 24,5 | 68,5 | 54,5 | 14 | 43 | 24 | 30 | 27 | 604419.4 |
| | | 604420.1 | 604420 | 20 | 27x2 | 37 | 26,5 | 80,5 | 64,5 | 16 | 48 | 27 | 36 | 32 | 604420.4 |
| | | 604421.1 | 604421 | 25 | 33x2 | 42 | 30 | 90,5 | 72,5 | 18 | 54 | 36 | 46 | 41 | 604421.4 |
| | | 604422.1 | 604422 | 30 | 42x2 | 49 | 35,5 | 98,5 | 78,5 | 20 | 62 | 41 | 50 | 50 | 604422.4 |
| | | 604423.1 | 604423 | 38 | 48x2 | 57 | 41 | 111 | 89 | 22 | 72 | 50 | 60 | 55 | 604423.4 |

ZŁĄCZE TRÓJNIKOWE NIESYMETRYCZNE NAKRĘTNE ADJUSTABLE MALE STUD BARREL TEE

6046...1

Korpus (Only Body)

6046...1

Korpus (Only Body)

6046...

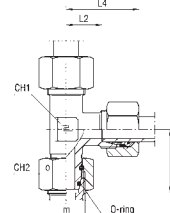
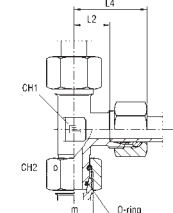
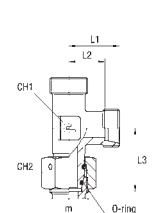
B3 Pierścień (Ring)

6046...4

B4 Pierścień (Ring)

6046...4

B4 Pierścień (Ring)



| Seria (Series) | Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body*) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring*) | Ø Rury (Ø Tube) | m | L1 | L2 | L3 | L4 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring*) |
|----------------|-----------------|---|--|-----------------|---|----|----|----|----|-----|-----|--|
|----------------|-----------------|---|--|-----------------|---|----|----|----|----|-----|-----|--|

PRZYŁĄCZE TRÓJNIKOWE NIESYMETRYCZNE NAKRĘTNE Z GWINTEM BSP LUB METRYCZNYM ADJUSTABLE MALE STUD BARREL TEE WITH MALE STUD - THREAD BSP PARALLEL - THREAD METRIC PARALLEL

6047...1
Korpus (Only Body)

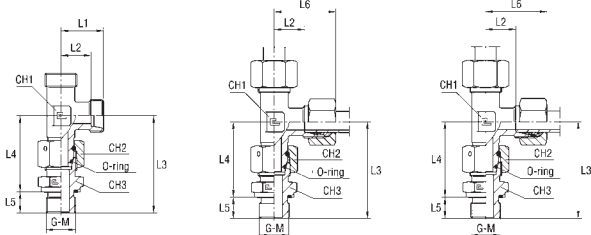
6048...1
Korpus (Only Body)

6047...3
B3 Pierścień (Ring)

6048...3
B3 Pierścień (Ring)

6047...4
B4 Pierścień (Ring)

6048...4
B4 Pierścień (Ring)



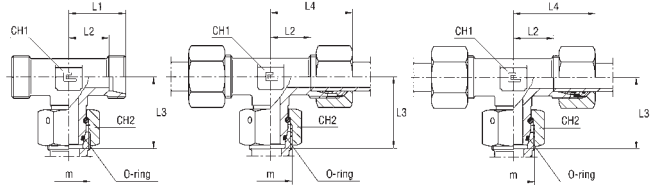
| Seria (Series) | Cisnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring) | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | L5 | L6 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring) |
|----------------|-----------------|--|---|-----------------|--------|------|-------|-------|------|----|----|-----|-----|----------|---|
| L | 315 | 604704.1 | 604704 | 6 | 1/8 | 19 | 12 | 61.5 | 34.5 | 8 | 27 | 12 | 14 | 14 | 604704.4 |
| | | 604705.1 | 604705 | 8 | 1/4 | 21 | 14 | 66.5 | 37 | 12 | 29 | 12 | 17 | 19 | 604705.4 |
| | | 604706.1 | 604706 | 10 | 1/4 | 22 | 15 | 70 | 39.5 | 12 | 30 | 14 | 19 | 19 | 604706.4 |
| | | 604707.1 | 604707 | 12 | 3/8 | 24 | 17 | 74 | 41.5 | 12 | 32 | 17 | 22 | 22 | 604707.4 |
| | | 604708.1 | 604708 | 15 | 1/2 | 28 | 21 | 82.5 | 46 | 14 | 36 | 19 | 27 | 27 | 604708.4 |
| | | 604709.1 | 604709 | 18 | 1/2 | 31 | 23.5 | 90 | 49.5 | 14 | 40 | 24 | 32 | 27 | 604709.4 |
| | 160 | 604710.1 | 604710 | 22 | 3/4 | 35 | 27.5 | 99 | 54.5 | 16 | 44 | 24 | 32 | 32 | 604710.4 |
| | | 604711.1 | 604711 | 28 | 1 | 38 | 30.5 | 106 | 59 | 18 | 47 | 36 | 41 | 41 | 604711.4 |
| | | 604712.1 | 604712 | 35 | 1 1/4 | 45 | 34.5 | 124.5 | 63.5 | 20 | 56 | 41 | 50 | 50 | 604712.4 |
| | | 604713.1 | 604713 | 42 | 1 1/2 | 51 | 40 | 138 | 75 | 22 | 63 | 50 | 60 | 55 | 604713.4 |
| | | 604714.1 | 604714 | 6 | 1/4 | 23 | 16 | 71 | 40 | 12 | 31 | 12 | 17 | 19 | 604714.4 |
| | | 604715.1 | 604715 | 8 | 1/4 | 24 | 17 | 74.5 | 42 | 12 | 32 | 14 | 19 | 19 | 604715.4 |
| S | 630 | 604716.1 | 604716 | 10 | 3/8 | 25 | 17.5 | 79 | 44.5 | 12 | 34 | 17 | 22 | 22 | 604716.4 |
| | | 604717.1 | 604717 | 12 | 3/8 | 29 | 21.5 | 86 | 47.5 | 12 | 38 | 17 | 24 | 22 | 604717.4 |
| | | 604718.1 | 604718 | 14 | 1/2 | 30 | 22 | 94 | 53.5 | 14 | 40 | 19 | 27 | 27 | 604718.4 |
| | 400 | 604719.1 | 604719 | 16 | 1/2 | 33 | 24.5 | 98 | 54.5 | 14 | 43 | 24 | 30 | 27 | 604719.4 |
| | | 604720.1 | 604720 | 20 | 3/4 | 37 | 26.5 | 113 | 64.5 | 16 | 48 | 27 | 36 | 32 | 604720.4 |
| | | 604721.1 | 604721 | 25 | 1 | 42 | 30 | 127 | 72.5 | 18 | 54 | 36 | 46 | 41 | 604721.4 |
| 315 | 604722.1 | 604722 | 30 | 1 1/4 | 49 | 35.5 | 140.5 | 78.5 | 20 | 62 | 41 | 50 | 50 | 604722.4 | |
| | 604723.1 | 604723 | 38 | 1 1/2 | 57 | 41 | 161 | 89 | 22 | 72 | 50 | 60 | 55 | 604723.4 | |
| M | | | | | | | | | | | | | | | |
| L | 315 | 604804.1 | 604804 | 6 | 10x1 | 8 | 34.5 | 61.5 | 34.5 | 8 | 27 | 12 | 14 | 14 | 604804.4 |
| | | 604805.1 | 604805 | 8 | 12x1.5 | 12 | 37 | 66.5 | 37 | 12 | 29 | 12 | 17 | 17 | 604805.4 |
| | | 604806.1 | 604806 | 10 | 14x1.5 | 12 | 39.5 | 70 | 39.5 | 12 | 30 | 14 | 19 | 19 | 604806.4 |
| | | 604807.1 | 604807 | 12 | 16x1.5 | 12 | 41.5 | 74 | 41.5 | 12 | 32 | 17 | 22 | 22 | 604807.4 |
| | | 604808.1 | 604808 | 15 | 18x1.5 | 14 | 45.5 | 82.5 | 45.5 | 14 | 36 | 19 | 27 | 24 | 604808.4 |
| | | 604809.1 | 604809 | 18 | 22x1.5 | 14 | 49.5 | 90 | 49.5 | 14 | 40 | 24 | 32 | 27 | 604809.4 |
| | 160 | 604810.1 | 604810 | 22 | 26x1.5 | 16 | 54.5 | 99 | 54.5 | 16 | 44 | 27 | 36 | 32 | 604810.4 |
| | | 604811.1 | 604811 | 28 | 33x2 | 18 | 59 | 106 | 59 | 18 | 47 | 36 | 41 | 41 | 604811.4 |
| | | 604812.1 | 604812 | 35 | 42x2 | 20 | 68.5 | 124.5 | 68.5 | 20 | 56 | 41 | 50 | 50 | 604812.4 |
| | | 604813.1 | 604813 | 42 | 48x2 | 22 | 75 | 138 | 75 | 22 | 63 | 50 | 60 | 55 | 604813.4 |
| | | 604814.1 | 604814 | 6 | 12x1.5 | 12 | 40 | 71 | 40 | 12 | 31 | 12 | 17 | 17 | 604814.4 |
| | | 604815.1 | 604815 | 8 | 14x1.5 | 12 | 42 | 74.5 | 42 | 12 | 32 | 14 | 19 | 19 | 604815.4 |
| S | 630 | 604816.1 | 604816 | 10 | 16x1.5 | 12 | 44.5 | 79 | 44.5 | 12 | 34 | 17 | 22 | 22 | 604816.4 |
| | | 604817.1 | 604817 | 12 | 18x1.5 | 12 | 47.5 | 86 | 47.5 | 12 | 38 | 17 | 24 | 24 | 604817.4 |
| | | 604818.1 | 604818 | 14 | 20x1.5 | 14 | 53.5 | 94 | 53.5 | 14 | 40 | 19 | 27 | 27 | 604818.4 |
| | 400 | 604819.1 | 604819 | 16 | 22x1.5 | 14 | 54.5 | 98 | 54.5 | 14 | 43 | 24 | 30 | 27 | 604819.4 |
| | | 604820.1 | 604820 | 20 | 27x2 | 16 | 64.5 | 113 | 64.5 | 16 | 48 | 27 | 36 | 32 | 604820.4 |
| | | 604821.1 | 604821 | 25 | 33x2 | 18 | 72.5 | 127 | 72.5 | 18 | 54 | 36 | 46 | 41 | 604821.4 |
| 315 | 604822.1 | 604822 | 30 | 42x2 | 20 | 78.5 | 140.5 | 78.5 | 20 | 62 | 41 | 50 | 50 | 604822.4 | |
| | 604823.1 | 604823 | 38 | 48x2 | 22 | 89 | 161 | 89 | 22 | 72 | 50 | 60 | 55 | 604823.4 | |

ZŁĄCZE TRÓJNIKOWE SYMETRYCZNE NAKRĘTNE Z GWINTEM BSP LUB METRYCZNYM ADJUSTABLE MALE STUD BRANCH TEE

6050...1
Korpus (Only Body)

6050...3
B3 Pierścień (Ring)

6050...4
B4 Pierścień (Ring)



| Seria (Series) | Cisnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring) | Ø Rury (Ø Tube) | m | L1 | L2 | L3 | L4 | CH1 | CH2 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring) |
|----------------|-----------------|--|---|-----------------|--------|------|------|------|----|-----|----------|---|
| L | 315 | 605004.1 | 605004 | 6 | 12x1.5 | 19 | 12 | 26 | 27 | 12 | 14 | 605004.4 |
| | | 605005.1 | 605005 | 8 | 14x1.5 | 21 | 14 | 27.5 | 29 | 12 | 17 | 605005.4 |
| | | 605006.1 | 605006 | 10 | 16x1.5 | 22 | 15 | 29 | 30 | 14 | 19 | 605006.4 |
| | | 605007.1 | 605007 | 12 | 18x1.5 | 24 | 17 | 29.5 | 32 | 17 | 22 | 605007.4 |
| | | 605008.1 | 605008 | 15 | 22x1.5 | 28 | 21 | 32.5 | 36 | 19 | 27 | 605008.4 |
| | | 605009.1 | 605009 | 18 | 26x1.5 | 31 | 23.5 | 35 | 40 | 24 | 32 | 605009.4 |
| | 160 | 605010.1 | 605010 | 22 | 30x2 | 30 | 27.5 | 38.5 | 44 | 27 | 36 | 605010.4 |
| | | 605011.1 | 605011 | 28 | 36x2 | 38 | 30.5 | 41.5 | 47 | 36 | 41 | 605011.4 |
| | | 605012.1 | 605012 | 35 | 45x2 | 45 | 34.5 | 51.5 | 56 | 41 | 50 | 605012.4 |
| | | 605013.1 | 605013 | 42 | 52x2 | 51 | 40 | 56 | 63 | 50 | 60 | 605013.4 |
| | | 605014.1 | 605014 | 6 | 14x1.5 | 23 | 16 | 27 | 31 | 12 | 17 | 605014.4 |
| | | 605015.1 | 605015 | 8 | 16x1.5 | 24 | 17 | 27.5 | 32 | 14 | 19 | 605015.4 |
| S | 630 | 605016.1 | 605016 | 10 | 18x1.5 | 25 | 17.5 | 30 | 14 | 17 | 22 | 605016.4 |
| | | 605017.1 | 605017 | 12 | 20x1.5 | 29 | 21.5 | 31 | 38 | 17 | 24 | 605017.4 |
| | | 605018.1 | 605018 | 14 | 22x1.5 | 30 | 22 | 35 | 40 | 19 | 27 | 605018.4 |
| | 400 | 605019.1 | 605019 | 16 | 24x1.5 | 33 | 24.5 | 36.5 | 43 | 24 | 30 | 605019.4 |
| | | 605020.1 | 605020 | 20 | 30x2 | 37 | 26.5 | 44.5 | 48 | 27 | 36 | 605020.4 |
| | | 605021.1 | 605021 | 25 | 36x2 | 42 | 30 | 50 | 54 | 36 | 46 | 605021.4 |
| 315 | 605022.1 | 605022 | 30 | 42x2 | 49 | 35.5 | 55.5 | 62 | 41 | 50 | 605022.4 | |
| | 605023.1 | 605023 | 38 | 52x2 | 57 | 41 | 63 | 72 | 50 | 60 | 605023.4 | |

PRZYŁĄCZE TRÓJNIKOWE SYMETRYCZNE NAKRĘTNE Z GWINTEM BSP LUB METRYCZNYM ADJUSTABLE MALE STUD BARREL TEE WITH MALE STUD - THREAD BSP PARALLEL - THREAD METRIC PARALLEL

6051...1
Korpus (Only Body)

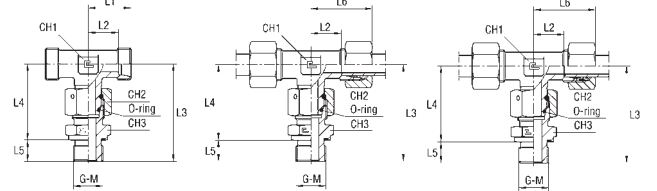
6051...3
B3 Pierścień (Ring)

6051...4
B4 Pierścień (Ring)

6052...1
Korpus (Only Body)

6052...3
B3 Pierścień (Ring)

6052...4
B4 Pierścień (Ring)



| Seria (Series) | Cisnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Kod zamówienia pierścienia "B3" (Ordering B3 Ring) | Ø Rury (Ø Tube) | G | L1 | L2 | L3 | L4 | L5 | L6 | CH1 | CH2 | CH3 | Kod zamówienia pierścienia "B4" (Ordering B4 Ring) |
|----------------|-----------------|--|--|-----------------|-------|----|------|------|------|----|----|-----|-----|-----|--|
| L | 315 | 605104.1 | 605104 | 6 | 1/8 | 19 | 12 | 42.5 | 34.5 | 9 | 27 | 12 | 14 | 14 | 605104.4 |
| | | 605105.1 | 605105 | 8 | 1/4 | 21 | 14 | 49 | 37 | 12 | 29 | 12 | 17 | 19 | 605105.4 |
| | | 605106.1 | 605106 | 10 | 1/4 | 22 | 15 | 51.5 | 39.5 | 12 | 30 | 14 | 19 | 19 | 605106.4 |
| | | 605107.1 | 605107 | 12 | 3/8 | 24 | 17 | 53.5 | 41.5 | 12 | 32 | 17 | 22 | 22 | 605107.4 |
| | | 605108.1 | 605108 | 15 | 1/2 | 28 | 21 | 60 | 46 | 14 | 36 | 19 | 27 | 27 | 605108.4 |
| | | 605109.1 | 605109 | 18 | 1/2 | 31 | 23.5 | 63.5 | 49.5 | 14 | 40 | 24 | 32 | 27 | 605109.4 |
| | 160 | 605110.1 | 605110 | 22 | 3/4 | 35 | 27.5 | 70.5 | 54.5 | 16 | 44 | 27 | 36 | 32 | 605110.4 |
| | | 605111.1 | 605111 | 28 | 1 | 38 | 30.5 | 77 | 59 | 18 | 47 | 36 | 41 | 41 | 605111.4 |
| | | 605112.1 | 605112 | 35 | 1 1/4 | 45 | 34.5 | 88.5 | 68.5 | 20 | 56 | 41 | 50 | 50 | 605112.4 |
| | | 605113.1 | 605113 | 42 | 1 1/2 | 51 | 40 | 97 | 75 | 22 | 63 | 50 | 60 | 55 | 605113.4 |
| | | 605114.1 | 605114 | 6 | 1/4 | 23 | 16 | 52 | 40 | 12 | 31 | 12 | 17 | 19 | 605114.4 |
| | | 605115.1 | 605115 | 8 | 1/4 | 24 | 17 | 54 | 42 | 12 | 32 | 14 | 19 | 19 | 605115.4 |
| S | 630 | 605116.1 | 605116 | 10 | 3/8 | 25 | 17.5 | 56.5 | 44.5 | 12 | 34 | 17 | 22 | 22 | 605116.4 |
| | | 605117.1 | 605117 | 12 | 3/8 | 29 | 21.5 | 59.5 | 47.5 | 12 | 38 | 17 | 24 | 22 | 605117.4 |
| | | 605118.1 | 605118 | 14 | 1/2 | 30 | 22 | 67.5 | 53.5 | 14 | 40 | 19 | 27 | 27 | 605118.4 |
| | 400 | 605119.1 | | | | | | | | | | | | | |

DIN 2353

ZŁĄCZE REDUKCYJNE NAKRĘTNE SERIA "L" i "S" REDUCING TUBE ADAPTER WITH SWIVEL NUT "L" AND "S" SERIES

6053...1 L
Korpus (Only Body)

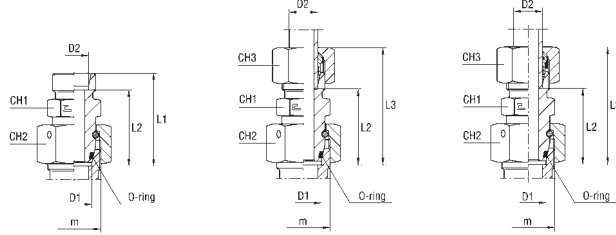
6054...1 S
Korpus (Only Body)

6053... L
B3 Pierścień (Ring)

6054... S
B3 Pierścień (Ring)

6053...4 L
B4 Pierścień (Ring)

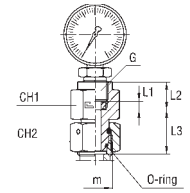
6054...4 S
B4 Pierścień (Ring)



| Seria (Series) | Cisnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Kod zamówienia kompletu z "B3" (Ordering B3 Ring) | D1 | D2 | m | L1 | L2 | L3 | CH1 | CH2 | CH3 | Kod zamówienia kompletu z "B4" (Ordering B4 Ring) | | |
|----------------|-----------------|--|---|----------|--------|--------|------|--------|------|------|------|-----|---|----|----------|
| L | 315 | 605301.1 | 605301 | 8 | 6 | 14x1.5 | 31 | 24 | 38.5 | 12 | 17 | 14 | 605301.4 | | |
| | | 605302.1 | 605302 | 10 | 6 | 16x1.5 | 32 | 25 | 39.5 | 14 | 19 | 14 | 605302.4 | | |
| | | 605303.1 | 605303 | 12 | 6 | 18x1.5 | 32 | 25 | 39.5 | 17 | 22 | 14 | 605303.4 | | |
| | | 605304.1 | 605304 | 15 | 6 | 22x1.5 | 36 | 29 | 43.5 | 19 | 27 | 14 | 605304.4 | | |
| | | 605305.1 | 605305 | 18 | 6 | 26x1.5 | 36.5 | 29.5 | 44 | 24 | 32 | 14 | 605305.4 | | |
| | | 605306.1 | 605306 | 22 | 6 | 30x2 | 37.5 | 30.5 | 45 | 27 | 36 | 14 | 605306.4 | | |
| | | 605307.1 | 605307 | 28 | 6 | 36x2 | 38.5 | 31.5 | 46 | 32 | 41 | 14 | 605307.4 | | |
| | | 605308.1 | 605308 | 35 | 6 | 45x2 | 44 | 37 | 51.5 | 41 | 50 | 14 | 605308.4 | | |
| | | 605309.1 | 605309 | 42 | 6 | 52x2 | 45 | 38 | 52.5 | 50 | 60 | 19 | 605309.4 | | |
| | | 605310.1 | 605310 | 10 | 8 | 16x1.5 | 32 | 25 | 40 | 14 | 19 | 17 | 605310.4 | | |
| L | 160 | 605311.1 | 605311 | 12 | 8 | 18x1.5 | 32 | 25 | 40 | 17 | 22 | 17 | 605311.4 | | |
| | | 605312.1 | 605312 | 15 | 8 | 22x1.5 | 36 | 29 | 44 | 19 | 27 | 17 | 605312.4 | | |
| | | 605313.1 | 605313 | 18 | 8 | 26x1.5 | 36.5 | 29.5 | 44.5 | 24 | 32 | 17 | 605313.4 | | |
| | | 605314.1 | 605314 | 22 | 8 | 30x2 | 37.5 | 30.5 | 45.5 | 27 | 36 | 17 | 605314.4 | | |
| | | 605315.1 | 605315 | 28 | 8 | 36x2 | 38.5 | 31.5 | 46.5 | 32 | 41 | 17 | 605315.4 | | |
| | | 605316.1 | 605316 | 35 | 8 | 45x2 | 44 | 37 | 52 | 41 | 50 | 17 | 605316.4 | | |
| | | 605317.1 | 605317 | 42 | 8 | 52x2 | 45 | 38 | 53 | 50 | 60 | 17 | 605317.4 | | |
| | | 605318.1 | 605318 | 12 | 10 | 18x1.5 | 33 | 26 | 41 | 17 | 22 | 19 | 605318.4 | | |
| | | 605319.1 | 605319 | 15 | 10 | 22x1.5 | 37 | 30 | 45 | 19 | 27 | 19 | 605319.4 | | |
| | | 605320.1 | 605320 | 18 | 10 | 26x1.5 | 37.5 | 30.5 | 45.5 | 24 | 32 | 19 | 605320.4 | | |
| L | 160 | 605321.1 | 605321 | 22 | 10 | 30x2 | 38.5 | 31.5 | 46.5 | 27 | 36 | 19 | 605321.4 | | |
| | | 605322.1 | 605322 | 28 | 10 | 36x2 | 39.5 | 32.5 | 47.5 | 32 | 41 | 19 | 605322.4 | | |
| | | 605323.1 | 605323 | 35 | 10 | 45x2 | 45 | 38 | 53 | 41 | 50 | 19 | 605323.4 | | |
| | | 605324.1 | 605324 | 42 | 10 | 52x2 | 46 | 39 | 54 | 50 | 60 | 19 | 605324.4 | | |
| | | 605325.1 | 605325 | 15 | 12 | 22x1.5 | 37 | 29 | 44.5 | 19 | 27 | 22 | 605325.4 | | |
| | | 605326.1 | 605326 | 18 | 12 | 26x1.5 | 37.5 | 30.5 | 45 | 24 | 32 | 22 | 605326.4 | | |
| | | 605327.1 | 605327 | 22 | 12 | 30x2 | 38.5 | 31.5 | 46 | 27 | 36 | 22 | 605327.4 | | |
| | | 605328.1 | 605328 | 28 | 12 | 36x2 | 39.5 | 32.5 | 47 | 32 | 41 | 22 | 605328.4 | | |
| | | 605329.1 | 605329 | 35 | 12 | 45x2 | 45 | 38 | 52.5 | 41 | 50 | 22 | 605329.4 | | |
| | | 605330.1 | 605330 | 42 | 12 | 52x2 | 46 | 39 | 53.5 | 50 | 60 | 22 | 605330.4 | | |
| L | 315 | 605331.1 | 605331 | 18 | 15 | 26x1.5 | 38.5 | 31.5 | 46.5 | 24 | 32 | 27 | 605331.4 | | |
| | | 605332.1 | 605332 | 22 | 15 | 30x2 | 38.5 | 31.5 | 46.5 | 27 | 36 | 27 | 605332.4 | | |
| | | 605333.1 | 605333 | 28 | 15 | 36x2 | 40.5 | 33.5 | 48.5 | 32 | 41 | 27 | 605333.4 | | |
| | | 605334.1 | 605334 | 35 | 15 | 45x2 | 46 | 39 | 54 | 41 | 50 | 27 | 605334.4 | | |
| | | 605335.1 | 605335 | 42 | 15 | 52x2 | 47 | 40 | 55 | 50 | 60 | 27 | 605335.4 | | |
| | | 605336.1 | 605336 | 22 | 18 | 30x2 | 39.5 | 32 | 48.5 | 27 | 36 | 32 | 605336.4 | | |
| | | 605337.1 | 605337 | 28 | 18 | 36x2 | 40.5 | 33 | 49.5 | 32 | 41 | 32 | 605337.4 | | |
| | | 605338.1 | 605338 | 35 | 18 | 45x2 | 46 | 38.5 | 55 | 41 | 50 | 32 | 605338.4 | | |
| | | 605339.1 | 605339 | 42 | 18 | 52x2 | 47 | 39.5 | 56 | 50 | 60 | 32 | 605339.4 | | |
| | | 605340.1 | 605340 | 22 | 22 | 36x2 | 42.5 | 35 | 61.5 | 32 | 41 | 36 | 605340.4 | | |
| L | 160 | 605341.1 | 605341 | 35 | 22 | 45x2 | 48 | 40.5 | 57 | 41 | 50 | 36 | 605341.4 | | |
| | | 605342.1 | 605342 | 42 | 22 | 52x2 | 49 | 41.5 | 58 | 50 | 60 | 36 | 605342.4 | | |
| | | 605343.1 | 605343 | 35 | 28 | 45x2 | 48 | 40.5 | 57 | 41 | 50 | 41 | 605343.4 | | |
| | | 605344.1 | 605344 | 42 | 28 | 52x2 | 49 | 41.5 | 58 | 50 | 60 | 41 | 605344.4 | | |
| | | 605345.1 | 605345 | 42 | 35 | 52x2 | 51 | 40.5 | 62 | 50 | 60 | 50 | 605345.4 | | |
| | | S | 630 | 605401.1 | 605401 | 8 | 6 | 16x1.5 | 36 | 29 | 44 | 14 | 19 | 17 | 605401.4 |
| | | | | 605402.1 | 605402 | 10 | 6 | 18x1.5 | 38.5 | 31.5 | 46.5 | 17 | 22 | 17 | 605402.4 |
| | | | | 605403.1 | 605403 | 12 | 6 | 20x1.5 | 38 | 31 | 46 | 17 | 24 | 17 | 605403.4 |
| | | | | 605404.1 | 605404 | 14 | 6 | 22x1.5 | 41 | 34 | 49 | 19 | 27 | 17 | 605404.4 |
| | | | | 605405.1 | 605405 | 16 | 6 | 24x1.5 | 45.5 | 38.5 | 53.5 | 22 | 30 | 17 | 605405.4 |
| 605406.1 | 605406 | | | 20 | 6 | 30x2 | 48 | 41 | 56 | 27 | 36 | 17 | 605406.4 | | |
| 605407.1 | 605407 | | | 25 | 6 | 36x2 | 52.5 | 45.5 | 60.5 | 32 | 46 | 17 | 605407.4 | | |
| 605408.1 | 605408 | | | 30 | 6 | 42x2 | 57 | 50 | 65 | 41 | 50 | 17 | 605408.4 | | |
| 605409.1 | 605409 | | | 35 | 6 | 48x2 | 61 | 52 | 69 | 50 | 60 | 17 | 605409.4 | | |
| 605410.1 | 605410 | | | 10 | 8 | 18x1.5 | 38 | 31 | 46 | 17 | 22 | 19 | 605410.4 | | |
| S | 315 | 605411.1 | 605411 | 12 | 8 | 20x1.5 | 38 | 31 | 46 | 17 | 24 | 19 | 605411.4 | | |
| | | 605412.1 | 605412 | 14 | 8 | 22x1.5 | 41 | 34 | 49 | 19 | 27 | 19 | 605412.4 | | |
| | | 605413.1 | 605413 | 16 | 8 | 24x1.5 | 45.5 | 38.5 | 53.5 | 22 | 30 | 19 | 605413.4 | | |
| | | 605414.1 | 605414 | 20 | 8 | 30x2 | 48 | 41 | 56 | 27 | 36 | 19 | 605414.4 | | |
| | | 605415.1 | 605415 | 25 | 8 | 36x2 | 52.5 | 45.5 | 60.5 | 32 | 46 | 19 | 605415.4 | | |
| | | 605416.1 | 605416 | 30 | 8 | 42x2 | 57 | 50 | 65 | 41 | 50 | 19 | 605416.4 | | |
| | | 605417.1 | 605417 | 35 | 8 | 48x2 | 59 | 52 | 67 | 50 | 60 | 19 | 605417.4 | | |
| | | 605418.1 | 605418 | 12 | 10 | 20x1.5 | 38 | 30.5 | 46.5 | 19 | 24 | 22 | 605418.4 | | |
| | | 605419.1 | 605419 | 14 | 10 | 22x1.5 | 41 | 33.5 | 49.5 | 19 | 27 | 22 | 605419.4 | | |
| | | 605420.1 | 605420 | 16 | 10 | 24x1.5 | 45.5 | 38 | 54 | 22 | 30 | 22 | 605420.4 | | |
| S | 160 | 605421.1 | 605421 | 20 | 10 | 30x2 | 48 | 40.5 | 56.5 | 27 | 36 | 22 | 605421.4 | | |
| | | 605422.1 | 605422 | 25 | 10 | 36x2 | 52.5 | 45 | 61 | 32 | 46 | 22 | 605422.4 | | |
| | | 605423.1 | 605423 | 30 | 10 | 42x2 | 57 | 49.5 | 65.5 | 41 | 50 | 22 | 605423.4 | | |
| | | 605424.1 | 605424 | 35 | 10 | 48x2 | 59 | 51.5 | 67.5 | 50 | 60 | 22 | 605424.4 | | |
| | | 605425.1 | 605425 | 12 | 12 | 22x1.5 | 43 | 35 | 51.5 | 22 | 27 | 24 | 605425.4 | | |
| | | 605426.1 | 605426 | 16 | 12 | 24x1.5 | 45.5 | 38 | 54 | 22 | 30 | 24 | 605426.4 | | |
| | | 605427.1 | 605427 | 20 | 12 | 30x2 | 48 | 40.5 | 56.5 | 27 | 36 | 24 | 605427.4 | | |
| | | 605428.1 | 605428 | 25 | 12 | 36x2 | 52.5 | 45 | 61 | 32 | 46 | 24 | 605428.4 | | |
| | | 605429.1 | 605429 | 30 | 12 | 42x2 | 57 | 49.5 | 65.5 | 41 | 50 | 24 | 605429.4 | | |
| | | 605430.1 | 605430 | 38 | 12 | 52x2 | 59 | 51.5 | 67.5 | 50 | 60 | 24 | 605430.4 | | |
| S | 250 | 605431.1 | 605431 | 18 | 14 | 24x1.5 | 47.5 | 39.5 | 57.5 | 24 | 30 | 27 | 605431.4 | | |
| | | 605432.1 | 605432 | 20 | 14 | 26x1.5 | 49 | 42 | 60 | 27 | 36 | 27 | 605432.4 | | |
| | | 605433.1 | 605433 | 25 | 14 | 32x2 | 54.5 | 46.5 | 64.5 | 32 | 46 | 27 | 605433.4 | | |
| | | 605434.1 | 605434 | 30 | 14 | 38x2 | 59 | 51 | 69 | 41 | 50 | 27 | 605434.4 | | |
| | | 605435.1 | 605435 | 38 | 14 | 48x2 | 61 | 53 | 71 | 50 | 60 | 27 | 605435.4 | | |
| | | 605436.1 | 605436 | 20 | 16 | 30x2 | 50 | 41.5 | 60 | 27 | 36 | 30 | 605436.4 | | |
| | | 605437.1 | 605437 | 25 | 16 | 36x2 | 54.5 | 46 | 64.5 | 32 | 46 | 30 | 605437.4 | | |
| | | 605438.1 | 605438 | 30 | 16 | 42x2 | 59 | 50.5 | 69 | 41 | 50 | 30 | 605438.4 | | |
| | | 605439.1 | 605439 | 38 | 16 | 52x2 | 61 | 52.5 | 71 | 50 | 60 | 30 | 605439.4 | | |
| | | 605440.1 | 605440 | 20 | 18 | 36x2 | 56.5 | 46 | 67.5 | 32 | 46 | 36 | 605440.4 | | |
| S | 160 | 605441.1 | 605441 | 30 | 20 | 42x2 | 61 | 50.5 | 72 | 41 | 50 | 36 | 605441.4 | | |
| | | 605442.1 | 605442 | 38 | 20 | 52x2 | 63 | 52.5 | 74 | 50 | 60 | 36 | 605442.4 | | |
| | | 605443.1 | 605443 | 30 | 25 | 42x2 | 63 | 51 | 75 | 41 | 50 | 46 | 605443.4 | | |
| | | 605444.1 | 605444 | 38 | 25 | 52x2 | 65 | 53 | 77 | 50 | 60 | 46 | 605444.4 | | |
| | | 605445.1 | 605445 | 38 | 30 | 52x2 | 67 | 53.5 | 80 | 50 | 60 | 50 | 605445.4 | | |

PRZYŁĄCZE MANOMETRU NAKRĘTNE Z GWINTEM BSP GAUGE COUPLING WITH SWIVEL NUT THREAD BSP PARALLEL

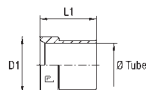
6060... Komplet (Complete)
z pierścieniem uszczelniającym typu o-ring
(With o-ring ferrule)



| Seria (Series) | Cisnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) | Ø Rury (Ø Tube) | G | M | L1 | L2 | L3 | CH1 | CH2 |
|----------------|-----------------|---|-----------------|---|---|----|----|----|-----|-----|
|----------------|-----------------|---|-----------------|---|---|----|----|----|-----|-----|

TULEJA POŚREDNIA SLEEVE

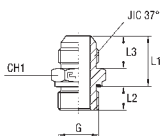
2001...



| Ciśnienie (Bar) | Kod zamówienia tulei (Ordering Sleeve) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | D1 | L1 |
|-----------------|--|---------------------|---------------------|------|------|
| 450 | 200101 | 6 | 1/4 | 9,7 | 10,4 |
| | 200102 | 8 | 5/16* | 11,3 | 11,2 |
| | 200103 | 10 | 3/8 | 12,7 | 12,7 |
| 350 | 200104 | 12 | 1/2 | 17,3 | 14,2 |
| | 200105 | 16 | 5/8* | 20,2 | 16,8 |
| | 200106 | 20 | 3/4 | 24,6 | 17,3 |
| 290 | 200107 | 25 | 1 | 31 | 19,8 |
| 240 | 200108 | 32 | 1 1/4 | 38,9 | 23,1 |
| | 200109 | 38 | 1 1/2* | 45,3 | 28,4 |
| 350 | 200110 | 14 | | 20,2 | 16,8 |
| | 200111 | 15 | | 20,2 | 16,8 |
| | 200112 | 18 | | 24,6 | 17,3 |
| 240 | 200113 | 30 | | 38,9 | 23,1 |

KORPUS PRZYŁĄCZA PROSTEGO Z GWINTEM BSP Z USZCZELNIENIEM ELASTOMEROWYM MALE STUD COUPLING WITH ELASTOMER SEAL - THREAD BSP PARALLEL

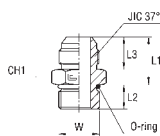
2003...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | L3 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|-------|-------|------|------|-----------|-----------|
| 350 | 200301.3 | 6 | 1/4 | 1/8 | 22,5 | 8 | 14 | 14 | 7/16-20 |
| | 200302.3 | 8 | 5/16 | 1/8 | 22,5 | 8 | 14 | 14 | 1/2-20 |
| | 200303.3 | 10 | 3/8 | 1/4 | 22,5 | 12 | 14,1 | 19 | 9/16-18 |
| | 200304.3 | 12 | 1/2 | 3/8 | 26,5 | 12 | 16,7 | 22 | 3/4-16 |
| | 200305.3 | 14-15-16 | 5/8 | 1/2 | 31 | 14 | 19,3 | 27 | 7/8-14 |
| | 200306.3 | 18-20 | 3/4 | 3/4 | 35 | 16 | 21,9 | 32 | 1 1/16-12 |
| 290 | 200307.3 | 25 | 1 | 37,5 | 18 | 23,1 | 41 | 1 5/16-12 | |
| 240 | 200308.3 | 30-32 | 1 1/4 | 1 1/4 | 41 | 20 | 24,3 | 50 | 1 5/8-12 |
| | 200309.3 | 38 | 1 1/2 | 1 1/2 | 45 | 22 | 27,5 | 55 | 1 7/8-12 |
| 350 | 200310.3 | 6 | 1/4 | 1/4 | 22,5 | 12 | 14 | 19 | 7/16-20 |
| | 200311.3 | 8 | 1/4 | 3/8 | 24 | 12 | 14 | 22 | 7/16-20 |
| | 200312.3 | 6 | 1/4 | 1/2 | 25,5 | 14 | 14 | 27 | 7/16-20 |
| | 200313.3 | 8 | 5/16 | 1/4 | 22,5 | 12 | 14 | 19 | 1/2-20 |
| | 200314.3 | 8 | 5/16 | 3/8 | 24 | 12 | 14 | 22 | 1/2-20 |
| | 200315.3 | 10 | 3/8 | 1/8 | 22,5 | 8 | 14,1 | 17 | 9/16-18 |
| | 200316.3 | 10 | 3/8 | 3/8 | 24 | 12 | 14,1 | 22 | 9/16-18 |
| | 200317.3 | 10 | 3/8 | 1/2 | 26 | 14 | 14,1 | 27 | 9/16-18 |
| | 200318.3 | 12 | 1/2 | 1/4 | 26 | 12 | 16,7 | 22 | 3/4-16 |
| | 200319.3 | 12 | 1/2 | 1/2 | 28,5 | 14 | 16,7 | 27 | 3/4-16 |
| | 200320.3 | 12 | 1/2 | 3/4 | 30 | 16 | 16,7 | 32 | 3/4-16 |
| | 200321.3 | 14-15-16 | 5/8 | 3/8 | 30,5 | 12 | 19,3 | 24 | 7/8-14 |
| | 200322.3 | 14-15-16 | 5/8 | 3/4 | 32,5 | 16 | 19,3 | 32 | 7/8-14 |
| | 200323.3 | 18-20 | 3/4 | 3/8 | 34,5 | 12 | 21,9 | 30 | 1 1/16-12 |
| | 200324.3 | 18-20 | 3/4 | 1/2 | 35 | 14 | 21,9 | 30 | 1 1/16-12 |
| | 290 | 200325.3 | 18-20 | 3/4 | 36,5 | 18 | 21,9 | 41 | 1 1/8-12 |
| | 240 | 200326.3 | 25 | 1 | 37,5 | 16 | 23,1 | 36 | 1 5/16-12 |
| | | 200327.3 | 25 | 1 | 1 1/4 | 40 | 20 | 23,1 | 50 |
| 240 | 200328.3 | 30-32 | 1 1/4 | 1 | 41 | 18 | 24,3 | 46 | 1 5/8-12 |
| | 200329.3 | 30-32 | 1 1/4 | 1 1/2 | 42 | 22 | 24,3 | 55 | 1 5/8-12 |
| 240 | 200330.3 | 38 | 1 1/2 | 1 1/4 | 44 | 20 | 27,5 | 50 | 1 7/8-12 |

KORPUS PRZYŁĄCZA PROSTEGO Z GWINTEM UNF/UN-2A Z USZCZELNIENIEM TYPU O-RING MALE STUD COUPLING WITH O-RING - THREAD UNF/UN-2A

2005...3

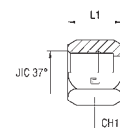


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | W | L1 | L2 | L3 | CH1 | JIC 37° | |
|-----------------|--|---------------------|---------------------|-----------|-----------|------|------|------|-----------|-----------|
| 400 | 200501.3 | 6 | 1/4 | 7/16-20 | 21,9 | 9,1 | 14 | 14 | 7/16-20 | |
| | 200502.3 | 8 | 5/16 | 1/2-20 | 21,9 | 9,1 | 14 | 17 | 1/2-20 | |
| | 200503.3 | 10 | 3/8 | 9/16-18 | 23 | 10 | 14,1 | 17 | 9/16-18 | |
| 350 | 200504.3 | 12 | 1/2 | 3/4-16 | 26,4 | 11,1 | 16,7 | 22 | 3/4-16 | |
| | 200505.3 | 14-15-16 | 5/8 | 7/8-14 | 30,3 | 12,7 | 19,3 | 27 | 7/8-14 | |
| | 200506.3 | 18-20 | 3/4 | 1 1/16-12 | 34,9 | 15,1 | 21,9 | 32 | 1 1/16-12 | |
| 290 | 200507.3 | 25 | 1 | 1 5/16-12 | 36,4 | 15,1 | 23,1 | 41 | 1 5/16-12 | |
| 240 | 200508.3 | 30-32 | 1 1/4 | 1 5/8-12 | 39,9 | 15,1 | 24,3 | 50 | 1 5/8-12 | |
| 400 | 200509.3 | 38 | 1 1/2 | 1 7/8-12 | 44,9 | 15,1 | 27,5 | 55 | 1 7/8-12 | |
| | 200510.3 | 6 | 1/4 | 1/2-20 | 21,9 | 9,1 | 14 | 17 | 7/16-20 | |
| 350 | 200511.3 | 8 | 1/4 | 9/16-18 | 23 | 10 | 14 | 17 | 7/16-20 | |
| | 200512.3 | 6 | 1/4 | 3/4-16 | 23,9 | 11,1 | 14 | 22 | 7/16-20 | |
| | 200513.3 | 8 | 5/16 | 9/16-18 | 23 | 10 | 14 | 17 | 1/2-20 | |
| | 200514.3 | 10 | 3/8 | 7/16-20 | 22,9 | 9,1 | 14,1 | 17 | 9/16-18 | |
| | 200515.3 | 10 | 3/8 | 1/2-20 | 22,9 | 9,1 | 14,1 | 17 | 9/16-18 | |
| | 200516.3 | 10 | 3/8 | 3/4-16 | 23,9 | 11,1 | 14,1 | 22 | 9/16-18 | |
| | 200517.3 | 10 | 3/8 | 7/8-14 | 25,3 | 12,7 | 14,1 | 27 | 9/16-18 | |
| | 200518.3 | 12 | 1/2 | 9/16-18 | 26,5 | 10 | 16,7 | 22 | 3/4-16 | |
| | 200519.3 | 12 | 1/2 | 7/8-14 | 27,8 | 12,7 | 16,7 | 27 | 3/4-16 | |
| | 200520.3 | 12 | 1/2 | 1 1/16-12 | 29,9 | 15,1 | 16,7 | 32 | 3/4-16 | |
| | 200521.3 | 14-15-16 | 5/8 | 3/4-16 | 30,4 | 11,1 | 19,3 | 24 | 7/8-14 | |
| | 200522.3 | 14-15-16 | 5/8 | 1 1/16-12 | 32,4 | 15,1 | 19,3 | 32 | 7/8-14 | |
| | 200523.3 | 18-20 | 3/4 | 3/4-16 | 33,9 | 11,1 | 21,9 | 30 | 1 1/16-12 | |
| | 200524.3 | 18-20 | 3/4 | 7/8-14 | 33,8 | 12,7 | 21,9 | 30 | 1 1/16-12 | |
| | 200525.3 | 18-20 | 3/4 | 1 5/8-12 | 35,4 | 15,1 | 21,9 | 41 | 1 1/8-12 | |
| | 290 | 200526.3 | 25 | 1 | 7/8-14 | 36,3 | 12,7 | 23,1 | 36 | 1 5/16-12 |
| | 240 | 200527.3 | 25 | 1 | 1 1/16-12 | 36,4 | 15,1 | 23,1 | 36 | 1 5/16-12 |
| | | 200528.3 | 25 | 1 | 1 5/8-12 | 38,9 | 15,1 | 23,1 | 50 | 1 5/16-12 |
| 240 | 200529.3 | 30-32 | 1 1/4 | 1 5/16-12 | 38,9 | 15,1 | 24,3 | 46 | 1 5/8-12 | |
| | 200530.3 | 38 | 1 1/2 | 1 5/8-12 | 42,9 | 15,1 | 27,5 | 50 | 1 7/8-12 | |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 20.. na 21.. np. 208601 na 218601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 20.. to 21.. ex. 208601 to 218601

NAKRĘTKA TIGHTNING NUT

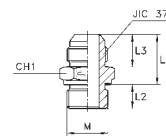
2002...



| Ciśnienie (Bar) | Kod zamówienia nakrętki (Ordering Sleeve) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | JIC 37° | L1 | CH1 |
|-----------------|---|---------------------|---------------------|-----------|-----------|------|
| 450 | 200201 | 6 | 1/4* | 7/16-20 | 15,5 | 14 |
| | 200202 | 8 | 5/16* | 1/2-20 | 17 | 17 |
| | 200203 | 10 | 3/8* | 9/16-18 | 18,3 | 19 |
| 350 | 200204 | 12 | 1/2* | 3/4-16 | 21,3 | 22 |
| | 200205 | 14-15-16 | 5/8* | 7/8-14 | 24,6 | 27 |
| | 200206 | 18-20 | 3/4* | 1 1/16-12 | 25,9 | 32 |
| | 290 | 200207 | 25 | 1* | 1 5/16-12 | 28,4 |
| 240 | 200208 | 30-32 | 1 1/4* | 1 5/8-12 | 31 | 50 |
| | 200209 | 38 | 1 1/2* | 1 7/8-12 | 35,8 | 60 |

KORPUS PRZYŁĄCZA PROSTEGO Z GWINTEM METRYCZNYM Z USZCZELNIENIEM ELASTOMEROWYM MALE STUD COUPLING WITH ELASTOMER SEAL - THREAD METRIC PARALLEL

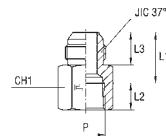
2004...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | M | L1 | L2 | L3 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|--------|------|------|------|------|-----------|
| 350 | 200401.3 | 6 | 1/4 | 10x1 | 21 | 8 | 14 | 14 | 7/16-20 |
| | 200402.3 | 8 | 5/16 | 12x1,5 | 21 | 12 | 14 | 17 | 1/2-20 |
| | 200403.3 | 10 | 3/8 | 14x1,5 | 21 | 12 | 14,1 | 19 | 9/16-18 |
| | 200404.3 | 12 | 1/2 | 16x1,5 | 24 | 12 | 16,7 | 22 | 3/4-16 |
| | 200405.3 | 14-15-16 | 5/8 | 22x1,5 | 29,5 | 14 | 19,3 | 27 | 7/8-14 |
| | 200406.3 | 18-20 | 3/4 | 27x2 | 32,5 | 16 | 21,9 | 32 | 1 1/16-12 |
| 290 | 200407.3 | 25 | 1 | 33x2 | 34,5 | 18 | 23,1 | 41 | 1 5/16-12 |
| 240 | 200408.3 | 30-32 | 1 1/4 | 42x2 | 38 | 20 | 24,3 | 50 | 1 5/8-12 |
| | 200409.3 | 38 | 1 1/2 | 48x2 | 41,5 | 22 | 27,5 | 55 | 1 7/8-12 |
| 350 | 200410.3 | 6 | 1/4 | 12x1,5 | 21 | 12 | 14 | 17 | 7/16-20 |
| | 200411.3 | 8 | 5/16 | 10x1 | 21 | 8 | 14 | 14 | 1/2-20 |
| | 200412.3 | 8 | 5/16 | 14x1,5 | 21 | 12 | 14 | 19 | 1/2-20 |
| | 200413.3 | 10 | 3/8 | 16x1,5 | 21,5 | 12 | 14,1 | 22 | 9/16-18 |
| | 200414.3 | 12 | 1/2 | 14x1,5 | 24 | 12 | 16,7 | 19 | 3/4-16 |
| | 200415.3 | 12 | 1/2 | 18x1,5 | 25,5 | 12 | 16,7 | 24 | 3/4-16 |
| | 200416.3 | 14-15-16 | 5/8 | 18x1,5 | 28 | 12 | 19,3 | 24 | 7/8-14 |
| | 200417.3 | 14-15-16 | 5/8 | 20x1,5 | 29 | 14 | 19,3 | 27 | 7/8-14 |
| | 200418.3 | 18-20 | 3/4 | 22x1,5 | 32,5 | 14 | 21,9 | 30 | 1 1/16-12 |
| | 290 | 200419.3 | 25 | 1 | 27x2 | 34,5 | 16 | 23,1 | 36 |

KORPUS PRZYŁĄCZA PROSTEGO Z GWINTEM WEWNĘTRZNYM BSP FEMALE STUD COUPLING - THREAD BSP PARALLEL

2006...3



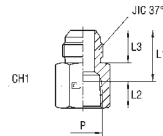
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | L3 | CH1 | JIC 37° | |
|-----------------|--|---------------------|---------------------|-------|-------|------|------|------|-----------|----------|
| 350 | 200601.3 | 6 | 1/4 | 1/8 | 20 | 10 | 14 | 14 | 7/16-20 | |
| | 200602.3 | 8 | 5/16 | 1/8 | 20 | 10 | 14 | 14 | 1/2-20 | |
| | 200603.3 | 10 | 3/8 | 1/4 | 21 | 14 | 14,1 | 19 | 9/16-18 | |
| | 200604.3 | 12 | 1/2 | 3/8 | 25 | 14 | 16,7 | 22 | 3/4-16 | |
| | 200605.3 | 14-15-16 | 5/8 | 1/2 | 28,5 | 17 | 19,3 | 30 | 7/8-14 | |
| | 200606.3 | 18-20 | 3/4 | 3/4 | 32 | 19 | 21,9 | 36 | 1 1/16-12 | |
| 290 | 200607.3 | 25 | 1 | 1 | 32,5 | 21,5 | 23,1 | 41 | 1 5/16-12 | |
| 240 | 200608.3 | 30-32 | 1 1/4 | 1 1/4 | 37 | 23,5 | 24,3 | 50 | 1 5/8-12 | |
| | 200609.3 | 38 | 1 1/2 | 1 1/2 | 40 | 25,5 | 27,5 | 60 | 1 7/8-12 | |
| 350 | 200610.3 | 6 | 1/4 | 1/4 | 21 | 14 | 14 | 19 | 7/16-20 | |
| | 200611.3 | 8 | 5/16 | 1/4 | 21 | 14 | 14 | 19 | 1/2-20 | |
| | 200612.3 | 10 | 3/8 | 3/8 | 22 | 14 | 14,1 | 22 | 9/16-18 | |
| | 200613.3 | 10 | 3/8 | 1/2 | 23,5 | 17 | 14,1 | 30 | 9/16-18 | |
| | 200614.3 | 12 | 1/2 | 1/4 | 25 | 14 | 16,7 | 22 | 3/4-16 | |
| | 200615.3 | 12 | 1/2 | 1/2 | 26 | 17 | 16,7 | 30 | 3/4-16 | |
| | 200616.3 | 18-20 | 3/4 | 1/2 | 31 | 17 | 21,9 | 30 | 1 1/16-12 | |
| | 240 | 200617.3 | 30-32 | 1 1/4 | 1 | 34 | 21,5 | 24,3 | 46 | 1 5/8-12 |
| | | 200618.3 | 38 | 1 1/2 | 1 1/4 | 40,5 | 23,5 | 27,5 | 50 | 1 7/8-12 |

JIC 37°

KORPUS PRZYŁĄCZA PROSTEGO Z GWINTEM WEWNĘTRZNYM NPT

FEMALE STUD COUPLING - THREAD NPT

2007...3

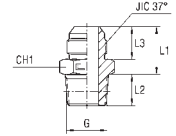


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | P | L1 | L2 | L3 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|-------|------|------|------|-----|-----------|
| 350 | 200701.3 | 6 | 1/4 | 1/8 | 20,5 | 9,5 | 14 | 14 | 7/16-20 |
| | 200702.3 | 8 | 5/16 | 1/8 | 20,5 | 9,5 | 14 | 14 | 1/2-20 |
| | 200703.3 | 10 | 3/8 | 1/4 | 21,5 | 14 | 14,1 | 19 | 9/16-18 |
| | 200704.3 | 12 | 1/2 | 3/8 | 25 | 14,5 | 16,7 | 22 | 3/4-16 |
| | 200705.3 | 14-15-16 | 5/8 | 1/2 | 29 | 19 | 19,3 | 30 | 7/8-14 |
| 290 | 200706.3 | 18-20 | 3/4 | 3/4 | 32,5 | 19,5 | 21,9 | 36 | 1 1/16-12 |
| | 200707.3 | 25 | 1 | 1 | 36 | 23,5 | 23,1 | 41 | 1 5/8-12 |
| 240 | 200708.3 | 30-32 | 1 1/4 | 1 1/4 | 39,5 | 24 | 24,3 | 50 | 1 5/8-12 |
| | 200709.3 | 38 | 1 1/2 | 1 1/2 | 42,5 | 24 | 27,5 | 60 | 1 7/8-12 |
| 350 | 200710.3 | 6 | 1/4 | 1/4 | 21,5 | 14 | 14 | 19 | 7/16-20 |
| | 200711.3 | 8 | 5/16 | 1/4 | 21,5 | 14 | 14 | 19 | 1/2-20 |
| | 200712.3 | 10 | 3/8 | 3/8 | 22,5 | 14,5 | 14,1 | 22 | 9/16-18 |
| | 200713.3 | 12 | 1/2 | 1/4 | 25,5 | 14 | 16,7 | 22 | 3/4-16 |
| | 200714.3 | 12 | 1/2 | 1/2 | 26,5 | 19 | 16,7 | 30 | 3/4-16 |
| | 200715.3 | 18-20 | 3/4 | 1/2 | 32 | 19 | 21,9 | 30 | 1 1/16-12 |

KORPUS PRZYŁĄCZA Z GWINTEM STOŻKOWYM BSPT

MALE STUD COUPLING - THREAD BSP TAPER (KEG)

2008...3

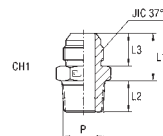


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | L3 | CH1 | JIC 37° | |
|-----------------|--|---------------------|---------------------|-------|------|------|------|------|-----------|-----------|
| 350 | 200801.3 | 6 | 1/4 | 1/8 | 21 | 10 | 14 | 14 | 7/16-20 | |
| | 200802.3 | 8 | 5/16 | 1/8 | 21 | 10 | 14 | 14 | 1/2-20 | |
| | 200803.3 | 10 | 3/8 | 1/4 | 22 | 14,5 | 14,1 | 17 | 9/16-18 | |
| | 200804.3 | 12 | 1/2 | 3/8 | 24,5 | 14,5 | 16,7 | 22 | 3/4-16 | |
| | 200805.3 | 14-15-16 | 5/8 | 1/2 | 29 | 19 | 19,6 | 24 | 7/8-14 | |
| 290 | 200806.3 | 18-20 | 3/4 | 3/4 | 33,5 | 19 | 21,9 | 30 | 1 1/16-12 | |
| | 200807.3 | 25 | 1 | 1 | 34,5 | 24 | 23,1 | 36 | 1 5/8-12 | |
| 240 | 200808.3 | 30-32 | 1 1/4 | 1 1/4 | 37 | 25 | 24,3 | 46 | 1 5/8-12 | |
| | 200809.3 | 38 | 1 1/2 | 1 1/2 | 42 | 26 | 27,5 | 50 | 1 7/8-12 | |
| 350 | 200810.3 | 6 | 1/4 | 1/4 | 21 | 14,5 | 14 | 14 | 7/16-20 | |
| | 200811.3 | 8 | 5/16 | 1/4 | 21 | 14,5 | 14 | 14 | 1/2-20 | |
| | 200812.3 | 10 | 3/8 | 1/8 | 22 | 10 | 14,1 | 17 | 9/16-18 | |
| | 200813.3 | 10 | 3/8 | 3/8 | 22 | 14,5 | 14,1 | 17 | 9/16-18 | |
| | 200814.3 | 10 | 3/8 | 1/2 | 22 | 19 | 14,1 | 22 | 9/16-18 | |
| | 200815.3 | 12 | 1/2 | 1/4 | 24,5 | 14,5 | 16,7 | 22 | 3/4-16 | |
| | 200816.3 | 12 | 1/2 | 1/2 | 24,5 | 19 | 16,7 | 22 | 3/4-16 | |
| | 200817.3 | 12 | 1/2 | 3/4 | 27 | 19 | 16,7 | 27 | 3/4-16 | |
| | 200818.3 | 14-15-16 | 5/8 | 3/8 | 29 | 14,5 | 19,3 | 24 | 7/8-14 | |
| | 200819.3 | 14-15-16 | 5/8 | 3/4 | 29,5 | 19 | 19,3 | 27 | 7/8-14 | |
| | 200820.3 | 18-20 | 3/4 | 1/2 | 33,5 | 19 | 21,9 | 30 | 1 1/16-12 | |
| | 290 | 200821.3 | 18-20 | 3/4 | 1 | 33,5 | 24 | 21,9 | 36 | 1 1/16-12 |
| | | 200822.3 | 25 | 1 | 3/4 | 34,5 | 19 | 23,1 | 36 | 1 5/8-12 |
| 240 | 200823.3 | 30-32 | 1 1/4 | 1 | 37,5 | 24 | 24,3 | 46 | 1 5/8-12 | |
| | 200824.3 | 38 | 1 1/2 | 1 1/4 | 42,5 | 25 | 27,5 | 50 | 1 7/8-12 | |

KORPUS PRZYŁĄCZA PROSTEGO Z GWINTEM NPT

MALE STUD COUPLING - THREAD NPT

2009...3

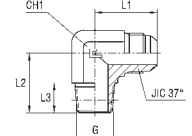


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | P | L1 | L2 | L3 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|-------|------|------|------|-----|-----------|
| 350 | 200901.3 | 6 | 1/4 | 1/8 | 21 | 10 | 14 | 14 | 7/16-20 |
| | 200902.3 | 8 | 5/16 | 1/8 | 21 | 10 | 14 | 14 | 1/2-20 |
| | 200903.3 | 10 | 3/8 | 1/4 | 22 | 14,5 | 14,1 | 17 | 9/16-18 |
| | 200904.3 | 12 | 1/2 | 3/8 | 24,5 | 14,5 | 16,7 | 22 | 3/4-16 |
| | 200905.3 | 14-15-16 | 5/8 | 1/2 | 29 | 19 | 19,6 | 24 | 7/8-14 |
| 290 | 200906.3 | 18-20 | 3/4 | 3/4 | 33,5 | 19 | 21,9 | 30 | 1 1/16-12 |
| | 200907.3 | 25 | 1 | 1 | 34,5 | 24 | 23,1 | 36 | 1 5/8-12 |
| 240 | 200908.3 | 30-32 | 1 1/4 | 1 1/4 | 37 | 25 | 24,3 | 46 | 1 5/8-12 |
| | 200909.3 | 38 | 1 1/2 | 1 1/2 | 42 | 26 | 27,5 | 50 | 1 7/8-12 |
| 350 | 200910.3 | 6 | 1/4 | 1/4 | 21 | 14,5 | 14 | 14 | 7/16-20 |
| | 200911.3 | 6 | 1/4 | 3/8 | 22 | 14,5 | 14 | 17 | 7/16-20 |
| | 200912.3 | 6 | 1/4 | 1/2 | 22 | 19 | 14 | 22 | 7/16-20 |
| | 200913.3 | 8 | 5/16 | 1/4 | 21 | 14,5 | 14 | 14 | 1/2-20 |
| | 200914.3 | 10 | 3/8 | 1/8 | 22 | 10 | 14,1 | 17 | 9/16-18 |
| | 200915.3 | 10 | 3/8 | 3/8 | 22 | 14,5 | 14,1 | 17 | 9/16-18 |
| | 200916.3 | 10 | 3/8 | 1/2 | 22 | 19 | 14,1 | 22 | 9/16-18 |
| | 200917.3 | 12 | 1/2 | 1/4 | 24,5 | 14,5 | 16,7 | 22 | 3/4-16 |
| | 200918.3 | 12 | 1/2 | 1/2 | 24,5 | 19 | 16,7 | 22 | 3/4-16 |
| | 200919.3 | 12 | 1/2 | 3/4 | 27 | 19 | 16,7 | 27 | 3/4-16 |
| | 200920.3 | 14-15-16 | 5/8 | 3/8 | 29 | 14,5 | 19,3 | 24 | 7/8-14 |
| | 200921.3 | 14-15-16 | 5/8 | 3/4 | 29,5 | 19 | 19,3 | 27 | 7/8-14 |
| | 200922.3 | 18-20 | 3/4 | 1/2 | 33,5 | 19 | 21,9 | 30 | 1 1/16-12 |
| 290 | 200923.3 | 18-20 | 3/4 | 1 | 33,5 | 24 | 21,9 | 36 | 1 1/16-12 |
| | 200924.3 | 25 | 1 | 3/4 | 34,5 | 19 | 23,1 | 36 | 1 5/8-12 |
| 240 | 200925.3 | 30-32 | 1 1/4 | 1 | 37 | 24 | 24,3 | 46 | 1 5/8-12 |
| | 200926.3 | 38 | 1 1/2 | 1 1/4 | 42,5 | 25 | 27,5 | 50 | 1 7/8-12 |

KORPUS PRZYŁĄCZA KOLANOWEGO Z GWINTEM STOŻKOWYM BSPT

MALE STUD ELBOW - THREAD BSP TAPER (KEG)

2010...3

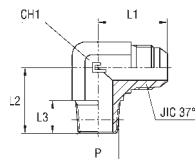


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | L3 | CH1 | JIC 37° | |
|-----------------|--|---------------------|---------------------|-------|------|------|------|-----|-----------|-----------|
| 350 | 201001.3 | 6 | 1/4 | 1/8 | 23 | 20 | 10 | 11 | 7/16-20 | |
| | 201002.3 | 8 | 5/16 | 1/8 | 24 | 20 | 10 | 14 | 1/2-20 | |
| | 201003.3 | 10 | 3/8 | 1/4 | 27,5 | 28 | 14,5 | 14 | 9/16-18 | |
| | 201004.3 | 12 | 1/2 | 3/8 | 32 | 31 | 14,5 | 19 | 3/4-16 | |
| | 201005.3 | 14-15-16 | 5/8 | 1/2 | 37 | 37,5 | 19 | 22 | 7/8-14 | |
| 290 | 201006.3 | 18-20 | 3/4 | 3/4 | 42 | 40 | 19 | 27 | 1 1/16-12 | |
| | 201007.3 | 25 | 1 | 1 | 46 | 50 | 24 | 33 | 1 5/8-12 | |
| 240 | 201008.3 | 30-32 | 1 1/4 | 1 1/4 | 53 | 60 | 25 | 41 | 1 5/8-12 | |
| | 201009.3 | 38 | 1 1/2 | 1 1/2 | 59 | 67 | 26 | 48 | 1 7/8-12 | |
| 350 | 201010.3 | 6 | 1/4 | 1/4 | 24 | 28 | 14,5 | 14 | 7/16-20 | |
| | 201011.3 | 8 | 5/16 | 1/4 | 24 | 28 | 14,5 | 14 | 1/2-20 | |
| | 201012.3 | 10 | 3/8 | 1/8 | 27,5 | 20 | 10 | 14 | 9/16-18 | |
| | 201013.3 | 10 | 3/8 | 3/8 | 29,5 | 31 | 14,5 | 19 | 9/16-18 | |
| | 201014.3 | 10 | 3/8 | 1/2 | 31,5 | 37,5 | 19 | 22 | 9/16-18 | |
| | 201015.3 | 12 | 1/2 | 1/4 | 32 | 31 | 14,5 | 19 | 3/4-16 | |
| | 201016.3 | 12 | 1/2 | 1/2 | 34 | 37,5 | 19 | 22 | 3/4-16 | |
| | 201017.3 | 12 | 1/2 | 3/4 | 36 | 40 | 19 | 27 | 3/4-16 | |
| | 201018.3 | 14-15-16 | 5/8 | 3/8 | 37 | 31 | 14,5 | 22 | 7/8-14 | |
| | 201019.3 | 14-15-16 | 5/8 | 3/4 | 39 | 40 | 19 | 27 | 7/8-14 | |
| | 201020.3 | 18-20 | 3/4 | 1/2 | 42 | 37,5 | 19 | 27 | 1 1/16-12 | |
| | 290 | 201021.3 | 18-20 | 3/4 | 1 | 45 | 50 | 24 | 33 | 1 1/16-12 |
| | | 201022.3 | 25 | 1 | 3/4 | 46 | 40 | 19 | 33 | 1 5/8-12 |
| 240 | 201023.3 | 30-32 | 1 1/4 | 1 | 53 | 51 | 24 | 41 | 1 5/8-12 | |

KORPUS PRZYŁĄCZA KOLANOWEGO Z GWINTEM NPT

MALE STUD ELBOW - THREAD NPT

2011...3

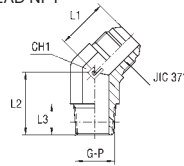


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | P | L1 | L2 | L3 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|-------|------|------|------|-----|-----------|
| 350 | 201101.3 | 6 | 1/4 | 1/8 | 23 | 20 | 10 | 11 | 7/16-20 |
| | 201102.3 | 8 | 5/16 | 1/8 | 24 | 20 | 10 | 14 | 1/2-20 |
| | 201103.3 | 10 | 3/8 | 1/4 | 27,5 | 28 | 14,5 | 14 | 9/16-18 |
| | 201104.3 | 12 | 1/2 | 3/8 | 32 | 31 | 14,5 | 19 | 3/4-16 |
| | 201105.3 | 14-15-16 | 5/8 | 1/2 | 37 | 37,5 | 19 | 22 | 7/8-14 |
| 290 | 201106.3 | 18-20 | 3/4 | 3/4 | 42 | 40 | 19 | 27 | 1 1/16-12 |
| | 201107.3 | 25 | 1 | 1 | 46 | 50 | 24 | 33 | 1 5/8-12 |
| 240 | 201108.3 | 30-32 | 1 1/4 | 1 1/4 | 53 | 60 | 25 | 41 | 1 5/8-12 |
| | 201109.3 | 38 | 1 1/2 | 1 1/2 | 59 | 67 | 26 | 48 | 1 7/8-12 |
| 350 | 201110.3 | 6 | 1/4 | 1/4 | 24 | 28 | 14,5 | 14 | 7/16-20 |
| | 201111.3 | 6 | 1/4 | 3/8 | 29 | 31 | 14,5 | 19 | 7/16-20 |
| | 201112.3 | 6 | 1/4 | 1/2 | 31 | 37,5 | 19 | 22 | 7/16-20 |
| | 201113.3 | 8 | 5/16 | 1/4 | 24 | 28 | 14,5 | 14 | 1/2-20 |
| | 201114.3 | 10 | 3/8 | 1/8 | 27,5 | 20 | 10 | 14 | 9/16-18 |
| | 201115.3 | 10 | 3/8 | 3/8 | 29,5 | 31 | 14,5 | 19 | 9/16-18 |
| | 201116.3 | 10 | 3/8 | 1/2 | 31,5 | 37,5 | 19 | 22 | 9/16-18 |
| | 201117.3 | 12 | 1/2 | 1/4 | 32 | 31 | 14,5 | 19 | 3/4-16 |
| | 201118.3 | 12 | 1/2 | 1/2 | 34 | | | | |

KORPUS PRZYŁĄCZA KOLANOWEGO 45° Z GWINTEM STOŻKOWYM BSPT LUB NPT

MALE STUD ELBOW 45° - THREAD BSP TAPER (KEG) - THREAD NPT

2012...3
2013...3

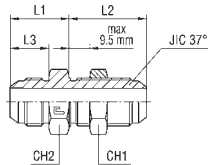


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | L3 | CH1 | JIC 37° | |
|-----------------|--|---------------------|---------------------|-------|-------|------|------|-----|----------|----------|
| 350 | 201201.3 | 6 | 1/4 | 1/8 | 19,5 | 16,5 | 10 | 11 | 7/16-20 | |
| | 201202.3 | 8 | 5/16 | 1/8 | 20 | 16,5 | 10 | 14 | 1/2-20 | |
| | 201203.3 | 10 | 3/8 | 1/4 | 21,5 | 22 | 14,5 | 14 | 9/16-18 | |
| | 201204.3 | 12 | 1/2 | 3/8 | 25,5 | 24 | 14,5 | 19 | 3/4-16 | |
| | 201205.3 | 14-15-16 | 5/8 | 1/2 | 29 | 29,5 | 19 | 22 | 7/8-14 | |
| | 201206.3 | 18-20 | 3/4 | 3/4 | 33 | 30,5 | 19 | 27 | 1 1/8-12 | |
| | 290 | 201207.3 | 25 | 1 | 1 | 38 | 38 | 24 | 33 | 1 5/8-12 |
| | 240 | 201208.3 | 30-32 | 1 1/4 | 1 1/4 | 40 | 42 | 25 | 41 | 1 5/8-12 |
| | 201209.3 | 38 | 1 1/2 | 1 1/2 | 46 | 45 | 26 | 48 | 1 7/8-12 | |
| | 201210.3 | 6 | 1/4 | 1/4 | 20 | 22 | 14,5 | 14 | 7/16-20 | |
| 350 | 201211.3 | 8 | 5/16 | 1/4 | 20 | 22 | 14,5 | 14 | 1/2-20 | |
| | 201212.3 | 10 | 3/8 | 1/8 | 21,5 | 16,5 | 10 | 14 | 9/16-18 | |
| | 201213.3 | 12 | 1/2 | 3/8 | 25,5 | 24 | 14,5 | 19 | 3/4-16 | |
| | 201214.3 | 14-15-16 | 5/8 | 1/2 | 29,5 | 29,5 | 19 | 22 | 7/8-14 | |
| | 201215.3 | 18-20 | 3/4 | 3/4 | 33 | 30,5 | 19 | 27 | 1 1/8-12 | |
| | 201216.3 | 25 | 1 | 1 | 38 | 38 | 24 | 33 | 1 5/8-12 | |
| | 201217.3 | 30-32 | 1 1/4 | 1 1/4 | 40 | 42 | 25 | 41 | 1 5/8-12 | |
| | 201218.3 | 38 | 1 1/2 | 1 1/2 | 46 | 45 | 26 | 48 | 1 7/8-12 | |
| | 201219.3 | 6 | 1/4 | 1/4 | 20 | 22 | 14,5 | 14 | 7/16-20 | |
| | 201220.3 | 8 | 5/16 | 1/4 | 20 | 22 | 14,5 | 14 | 1/2-20 | |
| 350 | 201221.3 | 10 | 3/8 | 1/8 | 21,5 | 16,5 | 10 | 14 | 9/16-18 | |
| | 201222.3 | 12 | 1/2 | 3/8 | 25,5 | 24 | 14,5 | 19 | 3/4-16 | |
| | 201223.3 | 14-15-16 | 5/8 | 1/2 | 29,5 | 29,5 | 19 | 22 | 7/8-14 | |
| | 201224.3 | 18-20 | 3/4 | 3/4 | 33 | 30,5 | 19 | 27 | 1 1/8-12 | |
| | 201225.3 | 25 | 1 | 1 | 38 | 38 | 24 | 33 | 1 5/8-12 | |
| | 201226.3 | 30-32 | 1 1/4 | 1 1/4 | 40 | 42 | 25 | 41 | 1 5/8-12 | |
| | 201227.3 | 38 | 1 1/2 | 1 1/2 | 46 | 45 | 26 | 48 | 1 7/8-12 | |
| | 201228.3 | 6 | 1/4 | 1/4 | 20 | 22 | 14,5 | 14 | 7/16-20 | |
| | 201229.3 | 8 | 5/16 | 1/4 | 20 | 22 | 14,5 | 14 | 1/2-20 | |
| | 201230.3 | 10 | 3/8 | 1/8 | 21,5 | 16,5 | 10 | 14 | 9/16-18 | |
| 350 | 201231.3 | 12 | 1/2 | 3/8 | 25,5 | 24 | 14,5 | 19 | 3/4-16 | |
| | 201232.3 | 14-15-16 | 5/8 | 1/2 | 29,5 | 29,5 | 19 | 22 | 7/8-14 | |
| | 201233.3 | 18-20 | 3/4 | 3/4 | 33 | 30,5 | 19 | 27 | 1 1/8-12 | |
| | 201234.3 | 25 | 1 | 1 | 38 | 38 | 24 | 33 | 1 5/8-12 | |
| | 201235.3 | 30-32 | 1 1/4 | 1 1/4 | 40 | 42 | 25 | 41 | 1 5/8-12 | |
| | 201236.3 | 38 | 1 1/2 | 1 1/2 | 46 | 45 | 26 | 48 | 1 7/8-12 | |
| | 201237.3 | 6 | 1/4 | 1/4 | 20 | 22 | 14,5 | 14 | 7/16-20 | |
| | 201238.3 | 8 | 5/16 | 1/4 | 20 | 22 | 14,5 | 14 | 1/2-20 | |
| | 201239.3 | 10 | 3/8 | 1/8 | 21,5 | 16,5 | 10 | 14 | 9/16-18 | |
| | 201240.3 | 12 | 1/2 | 3/8 | 25,5 | 24 | 14,5 | 19 | 3/4-16 | |
| 350 | 201241.3 | 14-15-16 | 5/8 | 1/2 | 29,5 | 29,5 | 19 | 22 | 7/8-14 | |
| | 201242.3 | 18-20 | 3/4 | 3/4 | 33 | 30,5 | 19 | 27 | 1 1/8-12 | |
| | 201243.3 | 25 | 1 | 1 | 38 | 38 | 24 | 33 | 1 5/8-12 | |
| | 201244.3 | 30-32 | 1 1/4 | 1 1/4 | 40 | 42 | 25 | 41 | 1 5/8-12 | |
| | 201245.3 | 38 | 1 1/2 | 1 1/2 | 46 | 45 | 26 | 48 | 1 7/8-12 | |
| | 201246.3 | 6 | 1/4 | 1/4 | 20 | 22 | 14,5 | 14 | 7/16-20 | |
| | 201247.3 | 8 | 5/16 | 1/4 | 20 | 22 | 14,5 | 14 | 1/2-20 | |
| | 201248.3 | 10 | 3/8 | 1/8 | 21,5 | 16,5 | 10 | 14 | 9/16-18 | |
| | 201249.3 | 12 | 1/2 | 3/8 | 25,5 | 24 | 14,5 | 19 | 3/4-16 | |
| | 201250.3 | 14-15-16 | 5/8 | 1/2 | 29,5 | 29,5 | 19 | 22 | 7/8-14 | |
| 350 | 201251.3 | 18-20 | 3/4 | 3/4 | 33 | 30,5 | 19 | 27 | 1 1/8-12 | |
| | 201252.3 | 25 | 1 | 1 | 38 | 38 | 24 | 33 | 1 5/8-12 | |
| | 201253.3 | 30-32 | 1 1/4 | 1 1/4 | 40 | 42 | 25 | 41 | 1 5/8-12 | |
| | 201254.3 | 38 | 1 1/2 | 1 1/2 | 46 | 45 | 26 | 48 | 1 7/8-12 | |
| | 201255.3 | 6 | 1/4 | 1/4 | 20 | 22 | 14,5 | 14 | 7/16-20 | |
| | 201256.3 | 8 | 5/16 | 1/4 | 20 | 22 | 14,5 | 14 | 1/2-20 | |
| | 201257.3 | 10 | 3/8 | 1/8 | 21,5 | 16,5 | 10 | 14 | 9/16-18 | |
| | 201258.3 | 12 | 1/2 | 3/8 | 25,5 | 24 | 14,5 | 19 | 3/4-16 | |
| | 201259.3 | 14-15-16 | 5/8 | 1/2 | 29,5 | 29,5 | 19 | 22 | 7/8-14 | |
| | 201260.3 | 18-20 | 3/4 | 3/4 | 33 | 30,5 | 19 | 27 | 1 1/8-12 | |
| 350 | 201261.3 | 25 | 1 | 1 | 38 | 38 | 24 | 33 | 1 5/8-12 | |
| | 201262.3 | 30-32 | 1 1/4 | 1 1/4 | 40 | 42 | 25 | 41 | 1 5/8-12 | |
| | 201263.3 | 38 | 1 1/2 | 1 1/2 | 46 | 45 | 26 | 48 | 1 7/8-12 | |
| | 201264.3 | 6 | 1/4 | 1/4 | 20 | 22 | 14,5 | 14 | 7/16-20 | |
| | 201265.3 | 8 | 5/16 | 1/4 | 20 | 22 | 14,5 | 14 | 1/2-20 | |
| | 201266.3 | 10 | 3/8 | 1/8 | 21,5 | 16,5 | 10 | 14 | 9/16-18 | |
| | 201267.3 | 12 | 1/2 | 3/8 | 25,5 | 24 | 14,5 | 19 | 3/4-16 | |
| | 201268.3 | 14-15-16 | 5/8 | 1/2 | 29,5 | 29,5 | 19 | 22 | 7/8-14 | |
| | 201269.3 | 18-20 | 3/4 | 3/4 | 33 | 30,5 | 19 | 27 | 1 1/8-12 | |
| | 201270.3 | 25 | 1 | 1 | 38 | 38 | 24 | 33 | 1 5/8-12 | |
| 350 | 201271.3 | 30-32 | 1 1/4 | 1 1/4 | 40 | 42 | 25 | 41 | 1 5/8-12 | |
| | 201272.3 | 38 | 1 1/2 | 1 1/2 | 46 | 45 | 26 | 48 | 1 7/8-12 | |
| | 201273.3 | 6 | 1/4 | 1/4 | 20 | 22 | 14,5 | 14 | 7/16-20 | |
| | 201274.3 | 8 | 5/16 | 1/4 | 20 | 22 | 14,5 | 14 | 1/2-20 | |
| | 201275.3 | 10 | 3/8 | 1/8 | 21,5 | 16,5 | 10 | 14 | 9/16-18 | |
| | 201276.3 | 12 | 1/2 | 3/8 | 25,5 | 24 | 14,5 | 19 | 3/4-16 | |
| | 201277.3 | 14-15-16 | 5/8 | 1/2 | 29,5 | 29,5 | 19 | 22 | 7/8-14 | |
| | 201278.3 | 18-20 | 3/4 | 3/4 | 33 | 30,5 | 19 | 27 | 1 1/8-12 | |
| | 201279.3 | 25 | 1 | 1 | 38 | 38 | 24 | 33 | 1 5/8-12 | |
| | 201280.3 | 30-32 | 1 1/4 | 1 1/4 | 40 | 42 | 25 | 41 | 1 5/8-12 | |
| 350 | 201281.3 | 38 | 1 1/2 | 1 1/2 | 46 | 45 | 26 | 48 | 1 7/8-12 | |
| | 201282.3 | 6 | 1/4 | 1/4 | 20 | 22 | 14,5 | 14 | 7/16-20 | |
| | 201283.3 | 8 | 5/16 | 1/4 | 20 | 22 | 14,5 | 14 | 1/2-20 | |
| | 201284.3 | 10 | 3/8 | 1/8 | 21,5 | 16,5 | 10 | 14 | 9/16-18 | |
| | 201285.3 | 12 | 1/2 | 3/8 | 25,5 | 24 | 14,5 | 19 | 3/4-16 | |
| | 201286.3 | 14-15-16 | 5/8 | 1/2 | 29,5 | 29,5 | 19 | 22 | 7/8-14 | |
| | 201287.3 | 18-20 | 3/4 | 3/4 | 33 | 30,5 | 19 | 27 | 1 1/8-12 | |
| | 201288.3 | 25 | 1 | 1 | 38 | 38 | 24 | 33 | 1 5/8-12 | |
| | 201289.3 | 30-32 | 1 1/4 | 1 1/4 | 40 | 42 | 25 | 41 | 1 5/8-12 | |
| | 201290.3 | 38 | 1 1/2 | 1 1/2 | 46 | 45 | 26 | 48 | 1 7/8-12 | |
| 350 | 201291.3 | 6 | 1/4 | 1/4 | 20 | 22 | 14,5 | 14 | 7/16-20 | |
| | 201292.3 | 8 | 5/16 | 1/4 | 20 | 22 | 14,5 | 14 | 1/2-20 | |
| | 201293.3 | 10 | 3/8 | 1/8 | 21,5 | 16,5 | 10 | 14 | 9/16-18 | |
| | 201294.3 | 12 | 1/2 | 3/8 | 25,5 | 24 | 14,5 | 19 | 3/4-16 | |
| | 201295.3 | 14-15-16 | 5/8 | 1/2 | 29,5 | 29,5 | 19 | 22 | 7/8-14 | |
| | 201296.3 | 18-20 | 3/4 | 3/4 | 33 | 30,5 | 19 | 27 | 1 1/8-12 | |
| | 201297.3 | 25 | 1 | 1 | 38 | 38 | 24 | 33 | 1 5/8-12 | |
| | 201298.3 | 30-32 | 1 1/4 | 1 1/4 | 40 | 42 | 25 | 41 | 1 5/8-12 | |
| | 201299.3 | 38 | 1 1/2 | 1 1/2 | 46 | 45 | 26 | 48 | 1 7/8-12 | |
| | 201300.3 | 6 | 1/4 | 1/4 | 20 | 22 | 14,5 | 14 | 7/16-20 | |
| 350 | 201301.3 | 8 | 5/16 | 1/4 | 20 | 22 | 14,5 | 14 | 1/2-20 | |
| | 201302.3 | 10 | 3/8 | 1/8 | 21,5 | 16,5 | 10 | 14 | 9/16-18 | |
| | 201303.3 | 12 | 1/2 | 3/8 | 25,5 | 24 | 14,5 | 19 | 3/4-16 | |
| | 201304.3 | 14-15-16 | 5/8 | 1/2 | 29,5 | 29,5 | 19 | 22 | 7/8-14 | |
| | 201305.3 | 18-20 | 3/4 | 3/4 | 33 | 30,5 | 19 | 27 | 1 1/8-12 | |
| | 201306.3 | 25 | 1 | 1 | 38 | 38 | 24 | 33 | 1 5/8-12 | |
| | 201307.3 | 30-32 | 1 1/4 | 1 1/4 | 40 | 42 | 25 | 41 | 1 5/8-12 | |
| | 201308.3 | 38 | 1 1/2 | 1 1/2 | 46 | 45 | 26 | 48 | 1 7/8-12 | |
| | 201309.3 | 6 | 1/4 | 1/4 | 20 | 22 | 14,5 | 14 | 7/16-20 | |
| | 201310.3 | 8 | 5/16 | 1/4 | 20 | 22 | 14,5 | 14 | 1/2-20 | |
| 350 | 201311.3 | 10 | 3/8 | 1/8 | 21,5 | 16,5 | 10 | 14 | 9/16-18 | |
| | 201312.3 | 12 | 1/2 | 3/8 | 25,5 | 24 | 14,5 | 19 | 3/4-16 | |
| | 201313.3 | 14-15-16 | 5/8 | 1/2 | 29,5 | 29,5 | 19 | 22 | 7/8-14 | |
| | 201314.3 | 18-20 | 3/4 | 3/4 | 33 | 30,5 | 19 | 27 | 1 1/8-12 | |
| | 201315.3 | 25 | 1 | 1 | 38 | 38 | 24 | 33 | 1 5/8-12 | |
| | 201316.3 | 30-32 | 1 1/4 | 1 1/4 | 40 | 42 | 25 | 41 | 1 5/8-12 | |
| | 201317.3 | 38 | 1 1/2 | 1 1/2 | 46 | 45 | 26 | 48 | 1 7/8-12 | |
| | 201318.3 | 6 | 1/4 | 1/4 | 20 | 22 | 14,5 | 14 | 7/16-20 | |
| | 201319.3 | 8 | 5/16 | 1/4 | 20 | 22 | 14,5 | 14 | 1/2-20 | |
| | 201320.3 | 10 | 3/8 | 1/8 | 21,5 | 16,5 | 10 | 14 | 9/16-18 | |
| 350 | 201321.3 | 12 | 1/2 | 3/8 | 25,5 | 24 | 14,5 | 19 | 3/4-16 | |
| | 201322.3 | 14-15-16 | 5/8 | 1/2 | 29,5 | 29,5 | 19 | 22 | 7/8-14 | |
| | 201323.3 | 18-20 | 3/4 | 3/4 | 33 | 30,5 | 19 | 27 | 1 1/8-12 | |
| | 201324.3 | 25 | 1 | 1 | 38 | 38 | 24 | 33 | 1 5/8-12 | |
| | 201325.3 | 30-32 | 1 1/4 | 1 1/4 | 40 | 42 | 25 | 41 | 1 5/8-12 | |
| | 201326.3 | 38 | 1 1/2 | 1 1/2 | 46 | 45 | 26 | 48 | 1 7/8-12 | |
| | 201327.3 | 6 | 1/4 | 1/4 | 20 | 22 | 14,5 | 14 | 7/16-20 | |
| | 201328.3 | 8 | 5/16 | 1/4 | 20 | 22 | 14,5 | 14 | 1/2-20 | |
| | 201329.3 | 10 | 3/8 | 1/8 | 21,5 | 16,5 | 10 | 14 | 9/16-18 | |
| | 201330.3 | 12 | 1/2 | 3/8 | 25,5 | 24 | 14,5 | 19 | 3/4-16 | |
| 350 | 201331.3 | 14-15-16 | 5/8 | 1/2 | 29,5 | 29,5 | 19 | 22 | 7/8-14 | |
| | 201332.3 | 18-20 | 3/4 | 3/4 | 33 | 30,5 | 19 | 27 | 1 1/8-12 | |
| | 201333.3 | 25 | 1 | 1 | 38 | 38 | 24 | 33 | 1 5/8-12 | |
| | 201334.3 | 30-32 | 1 1/4 | 1 1/4 | 40 | 42 | 25 | 41 | 1 5/8-12 | |
| | 201335.3 | 38 | 1 1/2 | 1 1/2 | 46 | 45 | 26 | 48 | 1 7/8-12 | |
| | 201336.3 | 6 | 1/4 | 1/4 | 20 | 22 | 14,5 | 14 | 7/16-20 | |
| | 201337.3 | 8 | 5/16 | 1/4 | 20 | 22 | 14,5 | 14 | 1/2-20 | |
| | 201338.3 | 10 | 3/8 | 1/8 | 21,5 | 16,5 | 10 | 14 | 9/16-18 | |
| | 201339.3 | 12 | 1/2 | 3/8 | 25,5 | 24 | 14,5 | 19 | 3/4-16 | |
| | | | | | | | | | | |

JIC 37°

KORPUS ZŁĄCZA GRODZIOWEGO SKRĘCANEGO BULKHEAD CONNECTION

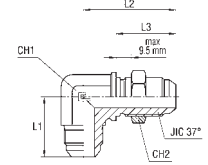
2020...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | L2 | L3 | CH1 | CH2 | JIC 37° |
|-----------------|--|---------------------|---------------------|------|------|------|-----|-----|----------|
| 450 | 202001.3 | 6 | 1/4 | 21 | 31,5 | 14 | 17 | 17 | 7/16-20 |
| | 202002.3 | 8 | 5/16 | 21 | 31,5 | 14 | 19 | 19 | 1/2-20 |
| | 202003.3 | 10 | 3/8 | 22 | 33,5 | 14,1 | 22 | 22 | 9/16-18 |
| 350 | 202004.3 | 12 | 1/2 | 24,4 | 36,6 | 16,7 | 24 | 24 | 3/4-16 |
| | 202005.3 | 14-15-16 | 5/8 | 28,4 | 41,1 | 19,3 | 30 | 30 | 7/8-14 |
| | 202006.3 | 18-20 | 3/4 | 33,1 | 45,4 | 21,9 | 36 | 36 | 1 1/8-12 |
| 290 | 202007.3 | 25 | 1 | 34,6 | 45,4 | 23,1 | 41 | 41 | 1 5/8-12 |
| 240 | 202008.3 | 30-32 | 1 1/4 | 37,3 | 46,7 | 24,3 | 50 | 50 | 1 5/8-12 |
| | 202009.3 | 38 | 1 1/2 | 42,5 | 47 | 27,5 | 55 | 55 | 1 7/8-12 |

KORPUS ZŁĄCZA GRODZIOWEGO KOLANOWEGO SKRĘCANEGO BULKHEAD ELBOW

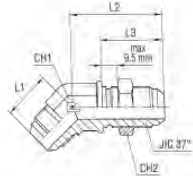
2021...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | L2 | L3 | CH1 | CH2 | JIC 37° |
|-----------------|--|---------------------|---------------------|------|------|------|-----|-----|----------|
| 450 | 202101.3 | 6 | 1/4 | 24,5 | 40,5 | 28,3 | 11 | 17 | 7/16-20 |
| | 202102.3 | 8 | 5/16 | 27 | 43,5 | 28,3 | 14 | 19 | 1/2-20 |
| | 202103.3 | 10 | 3/8 | 27,5 | 46 | 30,1 | 14 | 22 | 9/16-18 |
| 350 | 202104.3 | 12 | 1/2 | 34,5 | 53,5 | 35 | 19 | 24 | 3/4-16 |
| | 202105.3 | 14-15-16 | 5/8 | 39,5 | 60,5 | 38,5 | 22 | 30 | 7/8-14 |
| | 202106.3 | 18-20 | 3/4 | 45 | 68 | 42,8 | 27 | 36 | 1 1/8-12 |
| 290 | 202107.3 | 25 | 1 | 49,5 | 71 | 42,8 | 33 | 41 | 1 5/8-12 |
| 240 | 202108.3 | 30-32 | 1 1/4 | 55 | 79 | 44,1 | 41 | 50 | 1 5/8-12 |
| | 202109.3 | 38 | 1 1/2 | 59,5 | 87 | 44,3 | 48 | 55 | 1 7/8-12 |

KORPUS ZŁĄCZA GRODZIOWEGO KOLANOWEGO 45° SKRĘCANEGO 45° BULKHEAD ELBOW

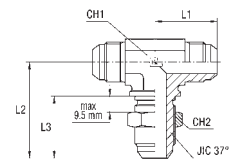
2022...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | L2 | L3 | CH1 | CH2 | JIC 37° |
|-----------------|--|---------------------|---------------------|------|------|------|-----|-----|----------|
| 450 | 202201.3 | 6 | 1/4 | 19,5 | 39 | 28,3 | 11 | 17 | 7/16-20 |
| | 202202.3 | 8 | 5/16 | 20 | 41 | 28,3 | 14 | 19 | 1/2-20 |
| | 202203.3 | 10 | 3/8 | 21,5 | 43 | 30,1 | 14 | 22 | 9/16-18 |
| 350 | 202204.3 | 12 | 1/2 | 25,5 | 49,5 | 35 | 19 | 24 | 3/4-16 |
| | 202205.3 | 14-15-16 | 5/8 | 29 | 55 | 38,5 | 22 | 30 | 7/8-14 |
| | 202206.3 | 18-20 | 3/4 | 33 | 62 | 42,8 | 27 | 36 | 1 1/8-12 |
| 290 | 202207.3 | 25 | 1 | 38 | 65 | 42,8 | 33 | 41 | 1 5/8-12 |
| 240 | 202208.3 | 30-32 | 1 1/4 | 40 | 67 | 44,1 | 41 | 50 | 1 5/8-12 |
| | 202209.3 | 38 | 1 1/2 | 46 | 68 | 44,3 | 48 | 55 | 1 7/8-12 |

KORPUS ZŁĄCZA GRODZIOWEGO TRÓJNIKOWEGO SKRĘCANEGO BULKHEAD BRANCH TEE

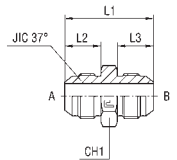
2023...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | L2 | L3 | CH1 | CH2 | JIC 37° |
|-----------------|--|---------------------|---------------------|------|------|------|-----|-----|----------|
| 450 | 202301.3 | 6 | 1/4 | 24,5 | 40,5 | 28,3 | 11 | 17 | 7/16-20 |
| | 202302.3 | 8 | 5/16 | 27 | 43,5 | 28,3 | 14 | 19 | 1/2-20 |
| | 202303.3 | 10 | 3/8 | 27,5 | 46 | 30,1 | 14 | 22 | 9/16-18 |
| 350 | 202304.3 | 12 | 1/2 | 34,5 | 53,5 | 35 | 19 | 24 | 3/4-16 |
| | 202305.3 | 14-15-16 | 5/8 | 39,5 | 60,5 | 38,5 | 22 | 30 | 7/8-14 |
| | 202306.3 | 18-20 | 3/4 | 45 | 68 | 42,8 | 27 | 36 | 1 1/8-12 |
| 290 | 202307.3 | 25 | 1 | 49,5 | 71 | 42,8 | 33 | 41 | 1 5/8-12 |
| 240 | 202308.3 | 30-32 | 1 1/4 | 55 | 79 | 44,1 | 41 | 50 | 1 5/8-12 |
| | 202309.3 | 38 | 1 1/2 | 59,5 | 87 | 44,3 | 48 | 55 | 1 7/8-12 |

KORPUS ZŁĄCZA PROSTEGO STRAIGHT COUPLING

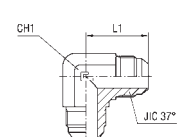
2024...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury A ^W (Ø Tube A ^W) | Ø Rury B ^W (Ø Tube B ^W) | Ø Rury A ^V (Ø Tube A ^V) | Ø Rury B ^V (Ø Tube B ^V) | L1 | L2 | L3 | CH1 | JIC 37° A | JIC 37° B |
|-----------------|--|--|--|--|--|------|------|------|-----|-----------|-----------|
| 450 | 202401.3 | 6 | 1/4 | 6 | 1/4 | 35 | 14 | 14 | 12 | 7/16-20 | 7/16-20 |
| | 202402.3 | 8 | 5/16 | 8 | 5/16 | 35 | 14 | 14 | 14 | 1/2-20 | 1/2-20 |
| | 202403.3 | 10 | 3/8 | 10 | 3/8 | 36 | 14,1 | 14,1 | 17 | 9/16-18 | 9/16-18 |
| 350 | 202404.3 | 12 | 1/2 | 12 | 1/2 | 41 | 16,7 | 16,7 | 22 | 3/4-16 | 3/4-16 |
| | 202405.3 | 14-15-16 | 5/8 | 14-15-16 | 5/8 | 48 | 19,3 | 19,3 | 24 | 7/8-14 | 7/8-14 |
| | 202406.3 | 18-20 | 3/4 | 18-20 | 3/4 | 55 | 21,9 | 21,9 | 30 | 1 1/8-12 | 1 1/8-12 |
| 290 | 202407.3 | 25 | 1 | 25 | 1 | 57 | 23,1 | 23,1 | 36 | 1 5/8-12 | 1 5/8-12 |
| 240 | 202408.3 | 30-32 | 1 1/4 | 30-32 | 1 1/4 | 61,5 | 24,3 | 24,3 | 46 | 1 5/8-12 | 1 5/8-12 |
| | 202409.3 | 38 | 1 1/2 | 38 | 1 1/2 | 70 | 27,5 | 27,5 | 50 | 1 7/8-12 | 1 7/8-12 |
| 350 | 202410.3 | 10 | 3/8 | 10 | 3/8 | 36 | 14,1 | 14 | 17 | 9/16-18 | 7/16-20 |
| | 202411.3 | 12 | 1/2 | 12 | 1/2 | 38,5 | 16,7 | 14,1 | 22 | 3/4-16 | 9/16-18 |
| | 202412.3 | 14-15-16 | 5/8 | 14-15-16 | 5/8 | 45,5 | 19,3 | 16,7 | 24 | 7/8-14 | 3/4-16 |
| | 202413.3 | 18-20 | 3/4 | 18-20 | 3/4 | 50 | 21,9 | 16,7 | 30 | 1 1/8-12 | 3/4-16 |
| | 202414.3 | 18-20 | 3/4 | 14-15-16 | 5/8 | 52,5 | 21,9 | 19,3 | 30 | 1 1/8-12 | 7/8-14 |
| | 202415.3 | 25 | 1 | 18-20 | 3/4 | 56 | 23,1 | 21,9 | 36 | 1 5/8-12 | 1 1/8-12 |

KORPUS ZŁĄCZA KOLANOWEGO EQUAL ELBOW

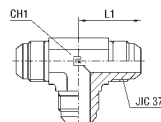
2025...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|------|-----|----------|
| 450 | 202501.3 | 6 | 1/4 | 23 | 11 | 7/16-20 |
| | 202502.3 | 8 | 5/16 | 24 | 14 | 1/2-20 |
| | 202503.3 | 10 | 3/8 | 27,5 | 14 | 9/16-18 |
| 350 | 202504.3 | 12 | 1/2 | 32 | 19 | 3/4-16 |
| | 202505.3 | 14-15-16 | 5/8 | 37 | 22 | 7/8-14 |
| | 202506.3 | 18-20 | 3/4 | 42 | 27 | 1 1/8-12 |
| 290 | 202507.3 | 25 | 1 | 46 | 33 | 1 5/8-12 |
| 240 | 202508.3 | 30-32 | 1 1/4 | 53 | 41 | 1 5/8-12 |
| | 202509.3 | 38 | 1 1/2 | 59 | 48 | 1 7/8-12 |

KORPUS ZŁĄCZA TRÓJNIKOWEGO EQUAL TEE

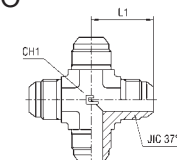
2026...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|------|-----|----------|
| 450 | 202601.3 | 6 | 1/4 | 23 | 11 | 7/16-20 |
| | 202602.3 | 8 | 5/16 | 24 | 14 | 1/2-20 |
| | 202603.3 | 10 | 3/8 | 27,5 | 14 | 9/16-18 |
| 350 | 202604.3 | 12 | 1/2 | 32 | 19 | 3/4-16 |
| | 202605.3 | 14-15-16 | 5/8 | 37 | 22 | 7/8-14 |
| | 202606.3 | 18-20 | 3/4 | 42 | 27 | 1 1/8-12 |
| 290 | 202607.3 | 25 | 1 | 46 | 33 | 1 5/8-12 |
| 240 | 202608.3 | 30-32 | 1 1/4 | 53 | 41 | 1 5/8-12 |
| | 202609.3 | 38 | 1 1/2 | 59 | 48 | 1 7/8-12 |

KORPUS ZŁĄCZA CZWÓRNIKOWEGO EQUAL CROSS

2027...3



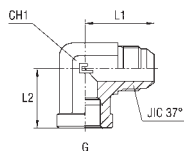
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|------|-----|----------|
| 450 | 202701.3 | 6 | 1/4 | 23 | 11 | 7/16-20 |
| | 202702.3 | 8 | 5/16 | 24 | 14 | 1/2-20 |
| | 202703.3 | 10 | 3/8 | 27,5 | 14 | 9/16-18 |
| 350 | 202704.3 | 12 | 1/2 | 32 | 19 | 3/4-16 |
| | 202705.3 | 14-15-16 | 5/8 | 37 | 22 | 7/8-14 |
| | 202706.3 | 18-20 | 3/4 | 42 | 27 | 1 1/8-12 |
| 290 | 202707.3 | 25 | 1 | 46 | 33 | 1 5/8-12 |
| 240 | 202708.3 | 30-32 | 1 1/4 | 53 | 41 | 1 5/8-12 |
| | 202709.3 | 38 | 1 1/2 | 59 | 48 | 1 7/8-12 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 20.. na 21.. np. 208601 na 218601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 20.. to 21.. ex. 208601 to 218601

KORPUS PRZYŁĄCZA KOLANOWEGO Z GWINTEM WEWNĘTRZNYM BSP

FEMALE STUD ELBOW - THREAD BSP PARALLEL

2028...3

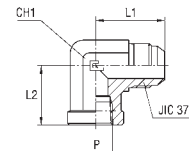


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|-------|------|------|-----|-----------|
| 350 | 202801.3 | 6 | 1/4 | 1/8 | 27.5 | 17 | 14 | 7/16-20 |
| | 202802.3 | 8 | 5/16 | 1/8 | 27.5 | 17 | 14 | 1/2-20 |
| | 202803.3 | 10 | 3/8 | 1/4 | 31 | 22.5 | 19 | 9/16-18 |
| | 202804.3 | 12 | 1/2 | 3/8 | 36 | 26 | 22 | 3/4-16 |
| | 202805.3 | 14-15-16 | 5/8 | 1/2 | 42 | 31 | 27 | 7/8-14 |
| 290 | 202806.3 | 18-20 | 3/4 | 3/4 | 48 | 34.5 | 33 | 1 1/16-12 |
| | 202807.3 | 25 | 1 | 1 | 55 | 41 | 41 | 1 5/8-12 |
| 240 | 202808.3 | 30-32 | 1 1/4 | 1 1/4 | 59 | 43 | 48 | 1 5/8-12 |
| | 202809.3 | 38 | 1 1/2 | 1 1/2 | 73 | 53 | 65 | 1 7/8-12 |
| 350 | 202810.3 | 6 | 1/4 | 1/4 | 29 | 22.5 | 19 | 7/16-20 |
| | 202811.3 | 8 | 5/16 | 1/4 | 29 | 22.5 | 19 | 1/2-20 |
| | 202812.3 | 10 | 3/8 | 1/8 | 27.5 | 17 | 14 | 9/16-18 |
| | 202813.3 | 10 | 3/8 | 3/8 | 31.5 | 26 | 22 | 9/16-18 |
| | 202814.3 | 12 | 1/2 | 1/4 | 32 | 22.5 | 19 | 3/4-16 |
| 240 | 202815.3 | 12 | 1/2 | 1/2 | 36 | 31 | 27 | 3/4-16 |
| | 202816.3 | 18-20 | 3/4 | 1/2 | 42 | 31 | 27 | 1 1/16-12 |
| | 202817.3 | 30-32 | 1 1/4 | 1 | 55 | 41 | 41 | 1 5/8-12 |
| | 202818.3 | 38 | 1 1/2 | 1 1/4 | 59 | 43 | 48 | 1 7/8-12 |

KORPUS PRZYŁĄCZA KOLANOWEGO Z GWINTEM WEWNĘTRZNYM NPT

FEMALE STUD ELBOW - THREAD NPT

2029...3

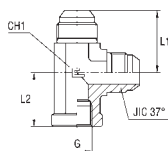


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | P | L1 | L2 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|-------|------|------|-----|-----------|
| 350 | 202901.3 | 6 | 1/4 | 1/8 | 27.5 | 17 | 14 | 7/16-20 |
| | 202902.3 | 8 | 5/16 | 1/8 | 27.5 | 17 | 14 | 1/2-20 |
| | 202903.3 | 10 | 3/8 | 1/4 | 31 | 22.5 | 19 | 9/16-18 |
| | 202904.3 | 12 | 1/2 | 3/8 | 36 | 26 | 22 | 3/4-16 |
| | 202905.3 | 14-15-16 | 5/8 | 1/2 | 42 | 31 | 27 | 7/8-14 |
| 290 | 202906.3 | 18-20 | 3/4 | 3/4 | 48 | 34.5 | 33 | 1 1/16-12 |
| | 202907.3 | 25 | 1 | 1 | 55 | 41 | 41 | 1 5/8-12 |
| 240 | 202908.3 | 30-32 | 1 1/4 | 1 1/4 | 59 | 43 | 48 | 1 5/8-12 |
| | 202909.3 | 38 | 1 1/2 | 1 1/2 | 73 | 53 | 65 | 1 7/8-12 |
| 350 | 202910.3 | 6 | 1/4 | 1/4 | 29 | 22.5 | 19 | 7/16-20 |
| | 202911.3 | 8 | 5/16 | 1/4 | 29 | 22.5 | 19 | 1/2-20 |
| | 202912.3 | 10 | 3/8 | 1/8 | 27.5 | 17 | 14 | 9/16-18 |
| | 202913.3 | 10 | 3/8 | 3/8 | 31.5 | 26 | 22 | 9/16-18 |
| | 202914.3 | 12 | 1/2 | 1/4 | 32 | 22.5 | 19 | 3/4-16 |
| 240 | 202915.3 | 12 | 1/2 | 1/2 | 36 | 31 | 27 | 3/4-16 |
| | 202916.3 | 18-20 | 3/4 | 1/2 | 42 | 31 | 27 | 1 1/16-12 |

KORPUS PRZYŁĄCZA TRÓJNIKOWEGO NIESYMETRYCZNEGO Z GWINTEM WEWNĘTRZNYM BSP

FEMALE STUD BARREL TEE - THREAD BSP PARALLEL

2030...3

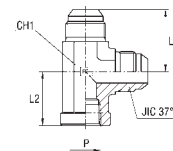


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|-------|------|------|-----|-----------|
| 350 | 203001.3 | 6 | 1/4 | 1/8 | 27.5 | 17 | 14 | 7/16-20 |
| | 203002.3 | 8 | 5/16 | 1/8 | 27.5 | 17 | 14 | 1/2-20 |
| | 203003.3 | 10 | 3/8 | 1/4 | 31 | 22.5 | 19 | 9/16-18 |
| | 203004.3 | 12 | 1/2 | 3/8 | 36 | 26 | 22 | 3/4-16 |
| | 203005.3 | 14-15-16 | 5/8 | 1/2 | 42 | 31 | 27 | 7/8-14 |
| 290 | 203006.3 | 18-20 | 3/4 | 3/4 | 48 | 34.5 | 33 | 1 1/16-12 |
| | 203007.3 | 25 | 1 | 1 | 55 | 41 | 41 | 1 5/8-12 |
| 240 | 203008.3 | 30-32 | 1 1/4 | 1 1/4 | 59 | 43 | 48 | 1 5/8-12 |
| | 203009.3 | 38 | 1 1/2 | 1 1/2 | 73 | 53 | 65 | 1 7/8-12 |
| 350 | 203010.3 | 6 | 1/4 | 1/4 | 29 | 22.5 | 19 | 7/16-20 |
| | 203011.3 | 8 | 5/16 | 1/4 | 29 | 22.5 | 19 | 1/2-20 |
| | 203012.3 | 10 | 3/8 | 1/8 | 27.5 | 17 | 14 | 9/16-18 |
| | 203013.3 | 10 | 3/8 | 3/8 | 31.5 | 26 | 22 | 9/16-18 |
| | 203014.3 | 12 | 1/2 | 1/4 | 32 | 22.5 | 19 | 3/4-16 |
| 240 | 203015.3 | 12 | 1/2 | 1/2 | 36 | 31 | 27 | 3/4-16 |
| | 203016.3 | 18-20 | 3/4 | 1/2 | 42 | 31 | 27 | 1 1/16-12 |
| | 203017.3 | 30-32 | 1 1/4 | 1 | 55 | 41 | 41 | 1 5/8-12 |
| | 203018.3 | 38 | 1 1/2 | 1 1/4 | 59 | 43 | 48 | 1 7/8-12 |

KORPUS PRZYŁĄCZA TRÓJNIKOWEGO NIESYMETRYCZNEGO Z GWINTEM WEWNĘTRZNYM NPT

FEMALE STUD BARREL TEE - THREAD NPT

2031...3

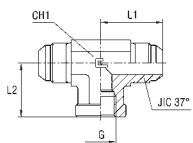


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | P | L1 | L2 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|-------|------|------|-----|-----------|
| 350 | 203101.3 | 6 | 1/4 | 1/8 | 27.5 | 17 | 14 | 7/16-20 |
| | 203102.3 | 8 | 5/16 | 1/8 | 27.5 | 17 | 14 | 1/2-20 |
| | 203103.3 | 10 | 3/8 | 1/4 | 31 | 22.5 | 19 | 9/16-18 |
| | 203104.3 | 12 | 1/2 | 3/8 | 36 | 26 | 22 | 3/4-16 |
| | 203105.3 | 14-15-16 | 5/8 | 1/2 | 42 | 31 | 27 | 7/8-14 |
| 290 | 203106.3 | 18-20 | 3/4 | 3/4 | 48 | 34.5 | 33 | 1 1/16-12 |
| | 203107.3 | 25 | 1 | 1 | 55 | 41 | 41 | 1 5/8-12 |
| 240 | 203108.3 | 30-32 | 1 1/4 | 1 1/4 | 59 | 43 | 48 | 1 5/8-12 |
| | 203109.3 | 38 | 1 1/2 | 1 1/2 | 73 | 53 | 65 | 1 7/8-12 |
| 350 | 203110.3 | 6 | 1/4 | 1/4 | 29 | 22.5 | 19 | 7/16-20 |
| | 203111.3 | 8 | 5/16 | 1/4 | 29 | 22.5 | 19 | 1/2-20 |
| | 203112.3 | 10 | 3/8 | 1/8 | 27.5 | 17 | 14 | 9/16-18 |
| | 203113.3 | 10 | 3/8 | 3/8 | 31.5 | 26 | 22 | 9/16-18 |
| | 203114.3 | 12 | 1/2 | 1/4 | 32 | 22.5 | 19 | 3/4-16 |
| 240 | 203115.3 | 12 | 1/2 | 1/2 | 36 | 31 | 27 | 3/4-16 |
| | 203116.3 | 18-20 | 3/4 | 1/2 | 42 | 31 | 27 | 1 1/16-12 |

KORPUS PRZYŁĄCZA TRÓJNIKOWEGO SYMETRYCZNEGO Z GWINTEM WEWNĘTRZNYM BSP

FEMALE STUD BRANCH TEE - THREAD BSP PARALLEL

2032...3

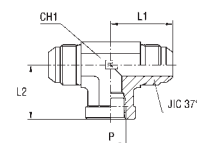


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|-------|------|------|-----|-----------|
| 350 | 203201.3 | 6 | 1/4 | 1/8 | 27.5 | 17 | 14 | 7/16-20 |
| | 203202.3 | 8 | 5/16 | 1/8 | 27.5 | 17 | 14 | 1/2-20 |
| | 203203.3 | 10 | 3/8 | 1/4 | 31 | 22.5 | 19 | 9/16-18 |
| | 203204.3 | 12 | 1/2 | 3/8 | 36 | 26 | 22 | 3/4-16 |
| | 203205.3 | 14-15-16 | 5/8 | 1/2 | 42 | 31 | 27 | 7/8-14 |
| 290 | 203206.3 | 18-20 | 3/4 | 3/4 | 48 | 34.5 | 33 | 1 1/16-12 |
| | 203207.3 | 25 | 1 | 1 | 55 | 41 | 41 | 1 5/8-12 |
| 240 | 203208.3 | 30-32 | 1 1/4 | 1 1/4 | 59 | 43 | 48 | 1 5/8-12 |
| | 203209.3 | 38 | 1 1/2 | 1 1/2 | 73 | 53 | 65 | 1 7/8-12 |
| 350 | 203210.3 | 6 | 1/4 | 1/4 | 29 | 22.5 | 19 | 7/16-20 |
| | 203211.3 | 8 | 5/16 | 1/4 | 29 | 22.5 | 19 | 1/2-20 |
| | 203212.3 | 10 | 3/8 | 1/8 | 27.5 | 17 | 14 | 9/16-18 |
| | 203213.3 | 10 | 3/8 | 3/8 | 31.5 | 26 | 22 | 9/16-18 |
| | 203214.3 | 12 | 1/2 | 1/4 | 32 | 22.5 | 19 | 3/4-16 |
| 240 | 203215.3 | 12 | 1/2 | 1/2 | 36 | 31 | 27 | 3/4-16 |
| | 203216.3 | 18-20 | 3/4 | 1/2 | 42 | 31 | 27 | 1 1/16-12 |
| | 203217.3 | 30-32 | 1 1/4 | 1 | 55 | 41 | 41 | 1 5/8-12 |
| | 203218.3 | 38 | 1 1/2 | 1 1/4 | 59 | 43 | 48 | 1 7/8-12 |

KORPUS PRZYŁĄCZA TRÓJNIKOWEGO SYMETRYCZNEGO Z GWINTEM WEWNĘTRZNYM NPT

FEMALE STUD BRANCH TEE - THREAD NPT PARALLEL

2033...3



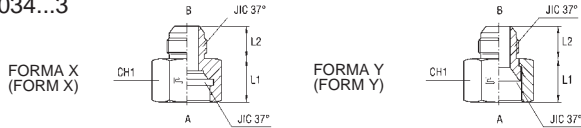
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | P | L1 | L2 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|-------|------|------|-----|-----------|
| 350 | 203301.3 | 6 | 1/4 | 1/8 | 27.5 | 17 | 14 | 7/16-20 |
| | 203302.3 | 8 | 5/16 | 1/8 | 27.5 | 17 | 14 | 1/2-20 |
| | 203303.3 | 10 | 3/8 | 1/4 | 31 | 22.5 | 19 | 9/16-18 |
| | 203304.3 | 12 | 1/2 | 3/8 | 36 | 26 | 22 | 3/4-16 |
| | 203305.3 | 14-15-16 | 5/8 | 1/2 | 42 | 31 | 27 | 7/8-14 |
| 290 | 203306.3 | 18-20 | 3/4 | 3/4 | 48 | 34.5 | 33 | 1 1/16-12 |
| | 203307.3 | 25 | 1 | 1 | 55 | 41 | 41 | 1 5/8-12 |
| 240 | 203308.3 | 30-32 | 1 1/4 | 1 1/4 | 59 | 43 | 48 | 1 5/8-12 |
| | 203309.3 | 38 | 1 1/2 | 1 1/2 | 73 | 53 | 65 | 1 7/8-12 |
| 350 | 203310.3 | 6 | 1/4 | 1/4 | 29 | 22.5 | 19 | 7/16-20 |
| | 203311.3 | 8 | 5/16 | 1/4 | 29 | 22.5 | 19 | 1/2-20 |
| | 203312.3 | 10 | 3/8 | 1/8 | 27.5 | 17 | 14 | 9/16-18 |
| | 203313.3 | 10 | 3/8 | 3/8 | 31.5 | 26 | 22 | 9/16-18 |
| | 203314.3 | 12 | 1/2 | 1/4 | 32 | 22.5 | 19 | 3/4-16 |
| 240 | 203315.3 | 12 | 1/2 | 1/2 | 36 | 31 | 27 | 3/4-16 |
| | 203316.3 | 18-20 | 3/4 | 1/2 | 42 | 31 | 27 | 1 1/16-12 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 20.. na 21.. np. 208601 na 218601.
 * Note: If you wish to order a fitting in stainless steel, please change the first two digit from 20.. to 21.. ex. 208601 to 218601

JIC 37°

KORPUS ZŁĄCZA REDUKCYJNEGO NAKRĘTNEGO STRAIGHT INTERMEDIATE REDUCTION

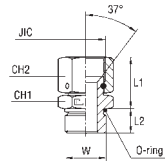
2034...3



| Cisnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury A ¹ (Ø Tube A ¹) | Ø Rury B ² (Ø Tube B ²) | Ø Rury A ³ (Ø Tube A ³) | Ø Rury B ⁴ (Ø Tube B ⁴) | FORMA (FORM) | L1 | L2 | CH1 | JIC 37° A | JIC 37° B |
|-----------------|--|--|--|--|--|--------------|------|------|-----|-----------|-----------|
| 450 | 203401.3 | 8 | 6 | 5/16 | 1/4 | X | 17,5 | 14 | 17 | 1/2-20 | 7/16-20 |
| | 203402.3 | 10 | 6 | 3/8 | 1/4 | Y | 19 | 14 | 19 | 9/16-18 | 7/16-20 |
| 350 | 203403.3 | 12 | 6 | 1/2 | 1/4 | Y | 21,9 | 14 | 22 | 3/4-16 | 7/16-20 |
| | 203404.3 | 14-15-16 | 6 | 5/8 | 1/4 | Y | 25,2 | 14 | 27 | 7/8-14 | 7/16-20 |
| 290 | 203405.3 | 18-20 | 6 | 3/4 | 1/4 | Y | 26,4 | 14 | 32 | 1 1/8-12 | 7/16-20 |
| | 203406.3 | 25 | 6 | 1 | 1/4 | Y | 29,3 | 14 | 41 | 1 5/8-12 | 7/16-20 |
| 240 | 203407.3 | 30-32 | 6 | 1 1/4 | 1/4 | Y | 31,8 | 14 | 50 | 1 5/8-12 | 7/16-20 |
| | 203408.3 | 38 | 6 | 1 1/2 | 1/4 | Y | 36,4 | 14 | 60 | 1 7/8-12 | 7/16-20 |
| 350 | 203409.3 | 10 | 8 | 3/8 | 5/16 | X | 17,5 | 14 | 19 | 9/16-18 | 1/2-20 |
| | 203410.3 | 12 | 8 | 1/2 | 5/16 | Y | 21,9 | 14 | 22 | 3/4-16 | 1/2-20 |
| 290 | 203411.3 | 14-15-16 | 8 | 5/8 | 5/16 | Y | 25,2 | 14 | 27 | 7/8-14 | 1/2-20 |
| | 203412.3 | 18-20 | 8 | 3/4 | 5/16 | Y | 26,4 | 14 | 32 | 1 1/8-12 | 1/2-20 |
| 240 | 203413.3 | 25 | 8 | 1 | 5/16 | Y | 29,3 | 14 | 41 | 1 5/8-12 | 1/2-20 |
| | 203414.3 | 30-32 | 8 | 1 1/4 | 5/16 | Y | 31,8 | 14 | 50 | 1 5/8-12 | 1/2-20 |
| 350 | 203415.3 | 38 | 8 | 1 1/2 | 5/16 | Y | 36,4 | 14 | 60 | 1 7/8-12 | 1/2-20 |
| | 203416.3 | 12 | 10 | 1/2 | 3/8 | Y | 21,8 | 14,1 | 22 | 3/4-16 | 9/16-18 |
| 290 | 203417.3 | 14-15-16 | 10 | 5/8 | 3/8 | Y | 25,1 | 14,1 | 27 | 7/8-14 | 9/16-18 |
| | 203418.3 | 18-20 | 10 | 3/4 | 3/8 | Y | 26,3 | 14,1 | 32 | 1 1/8-12 | 9/16-18 |
| 240 | 203419.3 | 25 | 10 | 1 | 3/8 | Y | 29,2 | 14,1 | 41 | 1 5/8-12 | 9/16-18 |
| | 203420.3 | 30-32 | 10 | 1 1/4 | 3/8 | Y | 31,7 | 14,1 | 50 | 1 5/8-12 | 9/16-18 |
| 350 | 203421.3 | 38 | 10 | 1 1/2 | 3/8 | Y | 36,3 | 14,1 | 60 | 1 7/8-12 | 9/16-18 |
| | 203422.3 | 14-15-16 | 12 | 5/8 | 1/2 | X | 24,3 | 16,7 | 27 | 7/8-14 | 3/4-16 |
| 290 | 203423.3 | 18-20 | 12 | 3/4 | 1/2 | Y | 26,2 | 16,7 | 32 | 1 1/8-12 | 3/4-16 |
| | 203424.3 | 25 | 12 | 1 | 1/2 | Y | 28,6 | 16,7 | 41 | 1 5/8-12 | 3/4-16 |
| 240 | 203425.3 | 30-32 | 12 | 1 1/4 | 1/2 | Y | 31,6 | 16,7 | 50 | 1 5/8-12 | 3/4-16 |
| | 203426.3 | 38 | 12 | 1 1/2 | 1/2 | Y | 36,2 | 16,7 | 60 | 1 7/8-12 | 3/4-16 |
| 350 | 203427.3 | 18-20 | 14-15-16 | 3/4 | 5/8 | X | 27,2 | 19,3 | 32 | 1 1/8-12 | 7/8-14 |
| | 203428.3 | 25 | 14-15-16 | 1 | 5/8 | Y | 24,5 | 19,3 | 41 | 1 5/8-12 | 7/8-14 |
| 240 | 203429.3 | 30-32 | 14-15-16 | 1 1/4 | 5/8 | Y | 31,5 | 19,3 | 50 | 1 5/8-12 | 7/8-14 |
| | 203430.3 | 38 | 14-15-16 | 1 1/2 | 5/8 | Y | 36,1 | 19,3 | 60 | 1 7/8-12 | 7/8-14 |
| 290 | 203431.3 | 25 | 18-20 | 1 | 3/4 | Y | 28,9 | 21,9 | 41 | 1 5/8-12 | 1 1/8-12 |
| | 203432.3 | 30-32 | 18-20 | 1 1/4 | 3/4 | Y | 31,4 | 21,9 | 50 | 1 5/8-12 | 1 1/8-12 |
| 240 | 203433.3 | 38 | 18-20 | 1 1/2 | 3/4 | Y | 36,5 | 21,9 | 60 | 1 7/8-12 | 1 1/8-12 |
| | 203434.3 | 30-32 | 25 | 1 1/4 | 1 | Y | 31,7 | 23,1 | 50 | 1 5/8-12 | 1 5/8-12 |
| 290 | 203435.3 | 38 | 25 | 1 1/2 | 1 | Y | 36,3 | 23,1 | 60 | 1 7/8-12 | 1 5/8-12 |
| | 203436.3 | 38 | 30-32 | 1 1/2 | 1 1/4 | Y | 36,2 | 24,3 | 60 | 1 7/8-12 | 1 5/8-12 |

PRZYŁĄCZE PROSTE NAKRĘTNE Z GWINTEM UNF/UN-2A Z USZCZELNIENIEM TYPU O-RING MALE STUD COUPLING WITH SWIVEL NUT WITH O-RING SEAL - THREAD UNF/UN-2A

2037...3

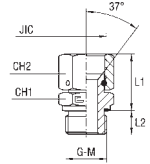


| Cisnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) | JIC 37° | W | L1 | L2 | CH1 | CH2 |
|-----------------|---|----------|----------|------|------|-----|-----|
| 350 | 203701 | 7/16-20 | 7/16-20 | 25,4 | 9,1 | 14 | 14 |
| | 203702 | 1/2-20 | 1/2-20 | 26,9 | 9,1 | 17 | 17 |
| | 203703 | 9/16-18 | 9/16-18 | 28,8 | 10 | 17 | 19 |
| | 203704 | 3/4-16 | 3/4-16 | 32 | 11,1 | 22 | 22 |
| | 203705 | 7/8-14 | 7/8-14 | 37,4 | 12,7 | 27 | 27 |
| 290 | 203706 | 1 1/8-12 | 1 1/8-12 | 39,1 | 15,1 | 32 | 32 |
| | 203707 | 1 5/8-12 | 1 5/8-12 | 43,3 | 15,1 | 41 | 41 |
| 240 | 203708 | 1 5/8-12 | 1 5/8-12 | 45,7 | 15,1 | 50 | 50 |
| | 203709 | 1 7/8-12 | 1 7/8-12 | 54,7 | 15,1 | 55 | 60 |
| 350 | 203710 | 7/16-20 | 1/2-20 | 25,4 | 9,1 | 17 | 17 |
| | 203711 | 7/16-20 | 9/16-18 | 26,5 | 10 | 17 | 19 |
| | 203712 | 9/16-18 | 3/4-16 | 29,7 | 11,1 | 22 | 19 |
| | 203713 | 3/4-16 | 7/8-14 | 33,4 | 12,7 | 27 | 22 |
| | 203714 | 3/4-16 | 1 1/8-12 | 35 | 15,1 | 32 | 22 |
| | 203715 | 7/8-14 | 3/4-16 | 36 | 11,1 | 22 | 27 |
| | 203716 | 7/8-14 | 1 1/8-12 | 39 | 15,1 | 32 | 27 |
| | 203717 | 1 1/8-12 | 3/4-16 | 37,6 | 11,1 | 27 | 19 |
| | 203718 | 1 1/8-12 | 7/8-14 | 37,5 | 12,7 | 27 | 22 |
| | 203719 | 1 1/8-12 | 1 5/8-12 | 39,6 | 15,1 | 41 | 41 |
| 290 | 203720 | 1 5/8-12 | 1 1/8-12 | 42,8 | 15,1 | 32 | 32 |
| | 203721 | 1 5/8-12 | 1 5/8-12 | 45,3 | 15,1 | 50 | 50 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmniejszyć pierwsze dwie cyfry w kodzie zamówienia z 20.. na 21.. np. 208601 na 218601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 20.. to 21.. ex. 208601 to 218601

PRZYŁĄCZE PROSTE NAKRĘTNE Z GWINTEM BSP LUB METRYCZNYM Z USZCZELNIENIEM ELASTOMEROWYM MALE STUD COUPLING WITH SWIVEL NUT AND ELASTOMER SEAL - THREAD BSP PARALLEL - THREAD METRIC PARALLEL

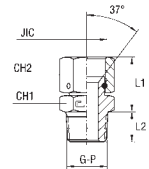
2035...
2036...



| Cisnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) | JIC 37° | G | L1 | L2 | CH1 | CH2 | |
|-----------------|---|----------|----------|--------|------|-----|-----|----|
| 350 | 203501 | 7/16-20 | 1/8 | 26 | 8 | 14 | 14 | |
| | 203502 | 1/2-20 | 1/8 | 27,5 | 8 | 14 | 17 | |
| | 203503 | 9/16-18 | 1/4 | 27,8 | 12 | 19 | 19 | |
| | 203504 | 3/4-16 | 3/8 | 32,1 | 12 | 22 | 22 | |
| | 203505 | 7/8-14 | 1/2 | 37,6 | 14 | 27 | 27 | |
| | 203506 | 1 1/8-12 | 3/4 | 39,2 | 16 | 32 | 32 | |
| | 203507 | 1 5/8-12 | 1 | 44,4 | 18 | 41 | 41 | |
| | 290 | 203508 | 1 5/8-12 | 1 1/4 | 47,3 | 20 | 50 | 50 |
| | | 203509 | 1 7/8-12 | 1 1/2 | 54,8 | 22 | 55 | 60 |
| | 350 | 203510 | 7/16-20 | 1/4 | 25,5 | 12 | 19 | 14 |
| 203511 | | 7/16-20 | 3/8 | 27,5 | 12 | 22 | 14 | |
| 203512 | | 1/2-20 | 1/4 | 27 | 12 | 19 | 17 | |
| 203513 | | 1/2-20 | 3/8 | 29 | 12 | 22 | 17 | |
| 203514 | | 9/16-18 | 3/8 | 29,8 | 12 | 22 | 19 | |
| 203515 | | 9/16-18 | 1/2 | 31,3 | 14 | 27 | 19 | |
| 203516 | | 3/4-16 | 1/4 | 30,1 | 12 | 19 | 22 | |
| 203517 | | 3/4-16 | 1/2 | 33,6 | 14 | 27 | 22 | |
| 203518 | | 7/8-14 | 3/8 | 36,1 | 12 | 22 | 27 | |
| 203519 | | 7/8-14 | 3/4 | 39,1 | 16 | 32 | 27 | |
| 290 | 203520 | 1 1/8-12 | 1/2 | 37,7 | 14 | 27 | 32 | |
| | 203521 | 1 1/8-12 | 1 | 40,7 | 18 | 41 | 32 | |
| 240 | 203522 | 1 5/8-12 | 3/4 | 42,9 | 16 | 32 | 41 | |
| | 203523 | 1 5/8-12 | 1 1/4 | 46,9 | 20 | 50 | 41 | |
| 350 | 203524 | 1 5/8-12 | 1 | 44,8 | 18 | 41 | 50 | |
| | 203525 | 1 7/8-12 | 1 1/4 | 54,3 | 20 | 50 | 50 | |
| | M | | | | | | | |
| | 350 | 203601 | 7/16-20 | 10x1 | 24,5 | 8 | 14 | 14 |
| | | 203602 | 1/2-20 | 12x1,5 | 26 | 8 | 17 | 17 |
| | | 203603 | 9/16-18 | 14x1,5 | 26,8 | 12 | 19 | 19 |
| | | 203604 | 3/4-16 | 16x1,5 | 29,6 | 12 | 22 | 22 |
| | | 203605 | 7/8-14 | 22x1,5 | 36,1 | 14 | 27 | 27 |
| | | 203606 | 1 1/8-12 | 27x2 | 36,7 | 16 | 32 | 32 |
| | | 203607 | 1 5/8-12 | 33x2 | 41,4 | 18 | 41 | 41 |
| 203608 | | 1 5/8-12 | 42x2 | 43,8 | 20 | 50 | 50 | |
| 203609 | | 1 7/8-12 | 48x2 | 51,3 | 22 | 55 | 60 | |
| 350 | | 203610 | 7/16-20 | 12x1,5 | 24,5 | 8 | 17 | 14 |
| | 203611 | 1/2-20 | 10x1 | 26 | 8 | 14 | 17 | |
| | 203612 | 1/2-20 | 14x1,5 | 26 | 12 | 19 | 17 | |
| | 203613 | 9/16-18 | 16x1,5 | 27,3 | 12 | 22 | 19 | |
| | 203614 | 3/4-16 | 18x1,5 | 30,6 | 12 | 24 | 22 | |
| | 203615 | 7/8-14 | 18x1,5 | 34,6 | 12 | 24 | 27 | |
| | 203616 | 7/8-14 | 20x1,5 | 35,6 | 14 | 27 | 27 | |
| | 203617 | 1 1/8-12 | 22x1,5 | 36,2 | 14 | 27 | 32 | |
| | 290 | 203618 | 1 5/8-12 | 27x2 | 40,4 | 16 | 32 | 41 |

PRZYŁĄCZE PROSTE NAKRĘTNE Z GWINTEM STOŻKOWYM BSPT LUB NPT MALE STUD COUPLING WITH SWIVEL NUT - THREAD BSP TAPER (KEG) - THREAD NPT

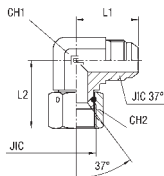
2038...
2039...



| Cisnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) | JIC 37° | G | L1 | L2 | CH1 | CH2 | |
|-----------------|---|----------|----------|-------|------|------|-----|----|
| 350 | 203801 | 7/16-20 | 1/8 | 24,5 | 10 | 12 | 14 | |
| | 203802 | 1/2-20 | 1/8 | 26 | 10 | 12 | 17 | |
| | 203803 | 9/16-18 | 1/4 | 26,8 | 14,5 | 14 | 19 | |
| | 203804 | 3/4-16 | 3/8 | 30,1 | 14,5 | 19 | 22 | |
| | 203805 | 7/8-14 | 1/2 | 34,1 | 19 | 22 | 27 | |
| | 203806 | 1 1/8-12 | 3/4 | 37,2 | 19 | 27 | 32 | |
| | 290 | 203807 | 1 5/8-12 | 1 | 41,4 | 24 | 36 | 41 |
| | | 203808 | 1 5/8-12 | 1 1/4 | 42,8 | 25 | 46 | 50 |
| | 240 | 203809 | 1 7/8-12 | 1 1/2 | 51,8 | 26 | 50 | 60 |
| | | 203810 | 7/16-20 | 1/4 | 24,5 | 14,5 | 14 | 14 |
| 350 | 203811 | 1/2-20 | 1/4 | 26 | 14,5 | 14 | 17 | |
| | 203812 | 9/16-18 | 3/8 | 27,8 | 14,5 | 17 | 19 | |
| | 203813 | 3/4-16 | 1/4 | 30,1 | 14,5 | 19 | 22 | |
| | 203814 | 3/4-16 | 1/2 | 33,1 | 19 | 22 | 27 | |
| | 203815 | 7/8-14 | 3/8 | 34,1 | 14,5 | 22 | 27 | |
| | 203816 | 7/8-14 | 3/4 | 37,1 | 19 | 27 | 27 | |
| | 203817 | 1 1/8-12 | 1/2 | 37,2 | 19 | 27 | 32 | |
| | 290 | 203818 | 1 1/8-12 | 1 | 37,7 | 24 | 36 | 41 |
| | | 203819 | 1 5/8-12 | 3/4 | 40,9 | 19 | 32 | 41 |
| | P | | | | | | | |
| 350 | 203901 | 7/16-20 | 1/8 | 24,5 | 10 | 12 | 14 | |
| | 203902 | 1/2-20 | 1/8 | 26 | 10 | 12 | 17 | |
| | 203903 | 9/16-18 | 1/4 | 26,8 | 14,5 | 14 | 19 | |
| | 203904 | 3/4-16 | 3/8 | 30,1 | 14,5 | 19 | 22 | |
| | 203905 | 7/8-14 | 1/2 | 34,1 | 19 | 22 | 27 | |
| | 203906 | 1 1/8-12 | 3/4 | 37,2 | 19 | 27 | 32 | |
| | 290 | 203907 | 1 5/8-12 | 1 | 41,4 | 24 | 36 | 41 |
| | | 203908 | 1 5/8-12 | 1 1/4 | 42,8 | 25 | 46 | 50 |
| | 240 | 203909 | 1 7/8-12 | 1 1/2 | 51,8 | 26 | | |

KORPUS ZŁĄCZA KOLANOWEGO NAKRĘTNEGO ADJUSTABLE ELBOW WITH SWIVEL NUT

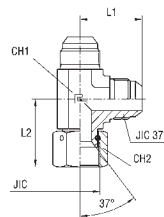
2040...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | JIC 37° | L1 | L2 | CH1 | CH2 |
|-----------------|--|---------------------|---------------------|----------|------|------|-----|-----|
| 450 | 204001.3 | 6 | 1/4 | 7/16-20 | 23 | 26,5 | 11 | 14 |
| | 204002.3 | 8 | 5/16 | 1/2-20 | 24 | 27 | 14 | 17 |
| | 204003.3 | 10 | 3/8 | 9/16-18 | 27,5 | 31,3 | 14 | 19 |
| 350 | 204004.3 | 12 | 1/2 | 3/4-16 | 32 | 35,6 | 19 | 22 |
| | 204005.3 | 14-15-16 | 5/8 | 7/8-14 | 37 | 41,6 | 22 | 27 |
| | 204006.3 | 18-20 | 3/4 | 1 1/8-12 | 42 | 44,2 | 27 | 32 |
| 290 | 204007.3 | 25 | 1 | 1 5/8-12 | 46 | 51,4 | 33 | 41 |
| | 204008.3 | 30-32 | 1 1/4 | 1 5/8-12 | 53 | 58,8 | 41 | 50 |
| 240 | 204009.3 | 38 | 1 1/2 | 1 7/8-12 | 59 | 66,3 | 48 | 60 |

KORPUS ZŁĄCZA TRÓJNIKOWEGO NIESYMETRYCZNEGO NAKRĘTNEGO ADJUSTABLE BARREL TEE WITH SWIVEL NUT

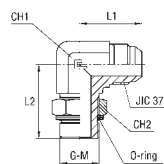
2042...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | JIC 37° | L1 | L2 | CH1 | CH2 |
|-----------------|--|---------------------|---------------------|----------|------|------|-----|-----|
| 450 | 204201.3 | 6 | 1/4 | 7/16-20 | 23 | 26,5 | 11 | 14 |
| | 204202.3 | 8 | 5/16 | 1/2-20 | 24 | 27 | 14 | 17 |
| | 204203.3 | 10 | 3/8 | 9/16-18 | 27,5 | 31,3 | 14 | 19 |
| 350 | 204204.3 | 12 | 1/2 | 3/4-16 | 32 | 35,6 | 19 | 22 |
| | 204205.3 | 14-15-16 | 5/8 | 7/8-14 | 37 | 41,6 | 22 | 27 |
| | 204206.3 | 18-20 | 3/4 | 1 1/8-12 | 42 | 44,2 | 27 | 32 |
| 290 | 204207.3 | 25 | 1 | 1 5/8-12 | 46 | 51,4 | 33 | 41 |
| | 204208.3 | 30-32 | 1 1/4 | 1 5/8-12 | 53 | 58,8 | 41 | 50 |
| 240 | 204209.3 | 38 | 1 1/2 | 1 7/8-12 | 59 | 66,3 | 48 | 60 |

KORPUS PRZYŁĄCZA KOLANOWEGO NASTAWNEGO Z GWINTEM BSP LUB METRYCZNYM ADJUSTABLE MALE STUD ELBOW WITH O-RING AND WASHER - THREAD BSP PARALLEL - THREAD METRIC PARALLEL

2044...3
2045...3

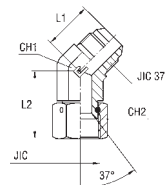


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | CH2 | JIC 37° |
|-----------------|--|---------------------|---------------------|--------|------|------|-----|-----|----------|
| 350 | 204401.3 | 6 | 1/4 | 1/8 | 23 | 26 | 11 | 14 | 7/16-20 |
| | 204402.3 | 8 | 5/16 | 1/4 | 24 | 32 | 14 | 19 | 1/2-20 |
| 315 | 204403.3 | 10 | 3/8 | 1/4 | 27,5 | 32 | 14 | 19 | 9/16-18 |
| | 204404.3 | 12 | 1/2 | 3/8 | 32 | 37 | 19 | 22 | 3/4-16 |
| 250 | 204405.3 | 14-15-16 | 5/8 | 1/2 | 37 | 43 | 22 | 27 | 7/8-14 |
| | 204406.3 | 18-20 | 3/4 | 3/4 | 42 | 49 | 27 | 36 | 1 1/8-12 |
| 200 | 204407.3 | 25 | 1 | 1 | 46 | 52 | 33 | 41 | 1 5/8-12 |
| | 204408.3 | 30-32 | 1 1/4 | 1 1/4 | 53 | 58 | 41 | 50 | 1 5/8-12 |
| 160 | 204409.3 | 38 | 1 1/2 | 1 1/2 | 59 | 60 | 48 | 55 | 1 7/8-12 |
| | 204410.3 | 8 | 1/4 | 1/4 | 24 | 32 | 14 | 19 | 7/16-20 |
| 250 | 204411.3 | 6 | 1/4 | 3/8 | 29 | 37 | 19 | 22 | 7/16-20 |
| | 204412.3 | 6 | 1/4 | 1/2 | 31 | 43 | 22 | 27 | 7/16-20 |
| 350 | 204413.3 | 8 | 5/16 | 1/8 | 24 | 30 | 14 | 14 | 1/2-20 |
| | 204414.3 | 8 | 5/16 | 3/8 | 29 | 37 | 19 | 22 | 1/2-20 |
| 250 | 204415.3 | 10 | 3/8 | 3/8 | 29,5 | 37 | 19 | 22 | 9/16-18 |
| | 204416.3 | 10 | 3/8 | 1/2 | 31,5 | 43 | 22 | 27 | 9/16-18 |
| 315 | 204417.3 | 12 | 1/2 | 1/4 | 32 | 37 | 19 | 19 | 3/4-16 |
| | 204418.3 | 12 | 1/2 | 1/2 | 34 | 43 | 22 | 27 | 3/4-16 |
| 250 | 204419.3 | 12 | 1/2 | 3/4 | 36 | 49 | 27 | 36 | 3/4-16 |
| | 204420.3 | 14-15-16 | 5/8 | 3/8 | 37 | 37,5 | 22 | 22 | 7/8-14 |
| 200 | 204421.3 | 14-15-16 | 5/8 | 3/4 | 39 | 49 | 27 | 36 | 7/8-14 |
| | 204422.3 | 18-20 | 3/4 | 1/2 | 42 | 47 | 27 | 27 | 1 1/8-12 |
| 250 | 204423.3 | 18-20 | 3/4 | 1 | 45 | 52 | 33 | 41 | 1 1/8-12 |
| | 204424.3 | 25 | 1 | 3/4 | 46 | 50 | 33 | 36 | 1 5/8-12 |
| 200 | 204425.3 | 10 | 3/8 | 1 | 52 | 58 | 41 | 50 | 1 5/8-12 |
| | 204426.3 | 30-32 | 1 1/4 | 1 | 53 | 58 | 41 | 41 | 1 5/8-12 |
| 200 | 204427.3 | 38 | 1 1/2 | 1 1/4 | 59 | 60 | 48 | 50 | 1 7/8-12 |
| | | | | M | | | | | |
| 350 | 204501.3 | 6 | 1/4 | 10x1 | 23 | 27 | 11 | 14 | 7/16-20 |
| | 204502.3 | 8 | 5/16 | 12x1,5 | 24 | 31 | 14 | 17 | 1/2-20 |
| 315 | 204503.3 | 10 | 3/8 | 14x1,5 | 27,5 | 33 | 14 | 19 | 9/16-18 |
| | 204504.3 | 12 | 1/2 | 16x1,5 | 32 | 38 | 19 | 22 | 3/4-16 |
| 250 | 204505.3 | 14-15-16 | 5/8 | 22x1,5 | 37 | 43 | 19 | 22 | 7/8-14 |
| | 204506.3 | 18-20 | 3/4 | 27x2 | 42 | 50,5 | 27 | 32 | 1 1/8-12 |
| 200 | 204507.3 | 25 | 1 | 33x2 | 46 | 52,5 | 33 | 41 | 1 5/8-12 |
| | 204508.3 | 30-32 | 1 1/4 | 42x2 | 53 | 58 | 41 | 50 | 1 5/8-12 |
| 160 | 204509.3 | 38 | 1 1/2 | 48x2 | 59 | 63 | 48 | 55 | 1 7/8-12 |
| | 204510.3 | 6 | 1/4 | 12x1,5 | 24 | 31 | 14 | 17 | 7/16-20 |
| 350 | 204511.3 | 8 | 5/16 | 10x1 | 24 | 28 | 14 | 14 | 1/2-20 |
| | 204512.3 | 8 | 5/16 | 14x1,5 | 24 | 33 | 14 | 19 | 1/2-20 |
| 315 | 204513.3 | 10 | 3/8 | 16x1,5 | 29,5 | 38 | 19 | 22 | 9/16-18 |
| | 204514.3 | 12 | 1/2 | 18x1,5 | 32 | 38 | 19 | 24 | 3/4-16 |
| 250 | 204515.3 | 14-15-16 | 5/8 | 18x1,5 | 37 | 40 | 22 | 24 | 7/8-14 |
| | 204516.3 | 14-15-16 | 5/8 | 20x1,5 | 37 | 42 | 22 | 27 | 7/8-14 |
| 200 | 204517.3 | 18-20 | 3/4 | 22x1,5 | 42 | 46 | 27 | 27 | 1 1/8-12 |
| | 204518.3 | 25 | 1 | 27x2 | 46 | 52,5 | 33 | 32 | 1 5/8-12 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 20.. na 21.. np. 208601 na 218601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 20.. to 21.. ex. 208601 to 218601

KORPUS ZŁĄCZA KOLANOWEGO NAKRĘTNEGO 45° ADJUSTABLE 45° ELBOW WITH SWIVEL NUT

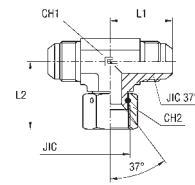
2041...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | JIC 37° | L1 | L2 | CH1 | CH2 |
|-----------------|--|---------------------|---------------------|----------|------|------|-----|-----|
| 450 | 204101.3 | 6 | 1/4 | 7/16-20 | 19,5 | 24,5 | 11 | 14 |
| | 204102.3 | 8 | 5/16 | 1/2-20 | 20 | 25,5 | 14 | 17 |
| | 204103.3 | 10 | 3/8 | 9/16-18 | 21,5 | 27,3 | 14 | 19 |
| 350 | 204104.3 | 12 | 1/2 | 3/4-16 | 25,5 | 33,1 | 19 | 22 |
| | 204105.3 | 14-15-16 | 5/8 | 7/8-14 | 29 | 36,6 | 22 | 27 |
| | 204106.3 | 18-20 | 3/4 | 1 1/8-12 | 33 | 37,2 | 27 | 32 |
| 290 | 204107.3 | 25 | 1 | 1 5/8-12 | 38 | 45,4 | 33 | 41 |
| | 204108.3 | 30-32 | 1 1/4 | 1 5/8-12 | 40 | 51,3 | 41 | 50 |
| 240 | 204109.3 | 38 | 1 1/2 | 1 7/8-12 | 45 | 57,8 | 48 | 60 |

KORPUS ZŁĄCZA TRÓJNIKOWEGO SYMETRYCZNEGO NAKRĘTNEGO ADJUSTABLE BRANCH TEE WITH SWIVEL NUT

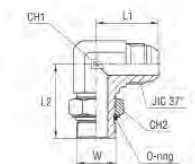
2043...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | JIC 37° | L1 | L2 | CH1 | CH2 |
|-----------------|--|---------------------|---------------------|----------|------|------|-----|-----|
| 450 | 204301.3 | 6 | 1/4 | 7/16-20 | 23 | 26,5 | 11 | 14 |
| | 204302.3 | 8 | 5/16 | 1/2-20 | 24 | 27 | 14 | 17 |
| | 204303.3 | 10 | 3/8 | 9/16-18 | 27,5 | 31,3 | 14 | 19 |
| 350 | 204304.3 | 12 | 1/2 | 3/4-16 | 32 | 35,6 | 19 | 22 |
| | 204305.3 | 14-15-16 | 5/8 | 7/8-14 | 37 | 41,6 | 22 | 27 |
| | 204306.3 | 18-20 | 3/4 | 1 1/8-12 | 42 | 44,2 | 27 | 32 |
| 290 | 204307.3 | 25 | 1 | 1 5/8-12 | 46 | 51,4 | 33 | 41 |
| | 204308.3 | 30-32 | 1 1/4 | 1 5/8-12 | 53 | 58,8 | 41 | 50 |
| 240 | 204309.3 | 38 | 1 1/2 | 1 7/8-12 | 59 | 66,3 | 48 | 60 |

KORPUS PRZYŁĄCZA KOLANOWEGO NASTAWNEGO Z GWINTEM UNF/UN-2A ADJUSTABLE MALE STUD ELBOW - THREAD UNF/UN-2A

2046...3

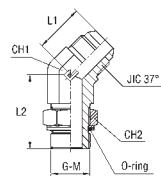


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | W | L1 | L2 | CH1 | CH2 | JIC 37° |
|-----------------|--|---------------------|---------------------|----------|------|------|-----|-----|----------|
| 400 | 204601.3 | 6 | 1/4 | 7/16-20 | 23 | 27 | 11 | 14 | 7/16-20 |
| | 204602.3 | 8 | 5/16 | 1/2-20 | 24 | 29 | 14 | 17 | 1/2-20 |
| 350 | 204603.3 | 10 | 3/8 | 9/16-18 | 27,5 | 32 | 14 | 17 | 9/16-18 |
| | 204604.3 | 12 | 1/2 | 3/4-16 | 32 | 37 | 19 | 22 | 3/4-16 |
| 250 | 204605.3 | 14-15-16 | 5/8 | 7/8-14 | 37 | 43 | 22 | 27 | 7/8-14 |
| | 204606.3 | 18-20 | 3/4 | 1 1/8-12 | 42 | 49,5 | 27 | 32 | 1 1/8-12 |
| 290 | 204607.3 | 25 | 1 | 1 5/8-12 | 46 | 52 | 33 | 41 | 1 5/8-12 |
| | 204608.3 | 30-32 | 1 1/4 | 1 5/8-12 | 53 | 58 | 41 | 50 | 1 5/8-12 |
| 240 | 204609.3 | 38 | 1 1/2 | 1 7/8-12 | 59 | 60 | 48 | 55 | 1 7/8-12 |
| | 204610.3 | 6 | 1/4 | 1/2-20 | 24 | 29 | 14 | 17 | 7/16-20 |
| 400 | 204611.3 | 6 | 1/4 | 9/16-18 | 24 | 32 | 14 | 17 | 7/16-20 |
| | 204612.3 | 8 | 5/16 | 9/16-18 | 24 | 32 | 14 | 17 | 1/2-20 |
| 350 | 204613.3 | 10 | 3/8 | 7/16-20 | 27,5 | 28 | 14 | 14 | 9/16-18 |
| | 204614.3 | 10 | 3/8 | 1/2-20 | 27,5 | 29 | 14 | 17 | 9/16-18 |
| 250 | 204615.3 | 10 | 3/8 | 3/4-16 | 29,5 | 37 | 19 | 22 | 9/16-18 |
| | 204616.3 | 10 | 3/8 | 7/8-14 | 31,5 | 43 | 22 | 27 | 9/16-18 |
| 315 | 204617.3 | 12 | 1/2 | 9/16-18 | 32 | 36,5 | 19 | 17 | 3/4-16 |
| | 204618.3 | 12 | 1/2 | 7/8-14 | 34 | 43 | 22 | 27 | 3/4-16 |
| 250 | 204619.3 | 12 | 1/2 | 1 1/8-12 | 36 | 49,5 | 27 | 32 | 3/4-16 |
| | 204620.3 | 14-15-16 | 5/8 | 3/4-16 | 37 | 39,5 | 22 | 22 | 7/8-14 |
| 200 | 204621.3 | 14-15-16 | 5/8 | 1 1/8-12 | 39 | | | | |

JIC 37°

KORPUS PRZYŁĄCZA KOLANOWEGO 45° NASTAWNEGO Z GWINTEM BSP LUB METRYCZNYM 45° ADJUSTABLE MALE STUD ELBOW WITH O-RING AND WASHER - THREAD BSP - THREAD METRIC PARALLEL

2047...3
2048...3

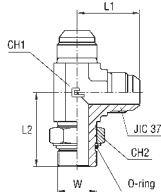


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | CH2 | JIC 37° |
|-----------------|--|---------------------|---------------------|--------|------|------|-----|-----|----------|
| 350 | 204701.3 | 6 | 1/4 | 1/8 | 19,5 | 26 | 11 | 14 | 7/16-20 |
| 315 | 204702.3 | 8 | 5/16 | 1/4 | 20 | 29 | 14 | 19 | 1/2-20 |
| | 204703.3 | 10 | 3/8 | 1/4 | 21,5 | 29 | 14 | 19 | 9/16-18 |
| 250 | 204704.3 | 12 | 1/2 | 3/8 | 25,5 | 33 | 19 | 22 | 3/4-16 |
| | 204705.3 | 14-15-16 | 5/8 | 1/2 | 29 | 38,5 | 22 | 27 | 7/8-14 |
| 200 | 204706.3 | 18-20 | 3/4 | 3/4 | 33 | 44 | 27 | 36 | 1 1/8-12 |
| | 204707.3 | 25 | 1 | 1 | 38 | 47 | 33 | 41 | 1 5/8-12 |
| 160 | 204708.3 | 30-32 | 1 1/4 | 1 1/4 | 40 | 48 | 41 | 50 | 1 5/8-12 |
| | 204709.3 | 38 | 1 1/2 | 1 1/2 | 46 | 48 | 48 | 55 | 1 7/8-12 |
| 315 | 204710.3 | 6 | 1/4 | 1/4 | 20 | 29 | 14 | 19 | 7/16-20 |
| | 204711.3 | 6 | 1/4 | 3/8 | 22,5 | 33 | 19 | 22 | 7/16-20 |
| 250 | 204712.3 | 6 | 1/4 | 1/2 | 23 | 38,5 | 22 | 27 | 7/16-20 |
| | 204713.3 | 8 | 5/16 | 1/8 | 20 | 24 | 14 | 14 | 1/2-20 |
| 250 | 204714.3 | 8 | 5/16 | 3/8 | 22,5 | 33 | 19 | 22 | 1/2-20 |
| | 204715.3 | 10 | 3/8 | 3/8 | 23 | 33 | 19 | 22 | 9/16-18 |
| 315 | 204716.3 | 10 | 3/8 | 1/2 | 23,5 | 38,5 | 22 | 27 | 9/16-18 |
| | 204717.3 | 12 | 1/2 | 1/4 | 25,5 | 32,5 | 19 | 19 | 3/4-16 |
| 250 | 204718.3 | 12 | 1/2 | 1/2 | 26 | 38,5 | 22 | 27 | 3/4-16 |
| | 204719.3 | 12 | 1/2 | 3/4 | 27 | 44 | 27 | 36 | 3/4-16 |
| 200 | 204720.3 | 14-15-16 | 5/8 | 3/8 | 29 | 33 | 22 | 22 | 7/8-14 |
| | 204721.3 | 14-15-16 | 5/8 | 3/4 | 30 | 44 | 27 | 36 | 7/8-14 |
| 250 | 204722.3 | 18-20 | 3/4 | 1/2 | 33 | 43 | 27 | 27 | 1 1/8-12 |
| | 204723.3 | 18-20 | 3/4 | 1 | 37 | 47 | 33 | 41 | 1 1/8-12 |
| 200 | 204724.3 | 25 | 1 | 3/4 | 38 | 45 | 33 | 36 | 1 5/8-12 |
| | 204725.3 | 25 | 1 | 1 1/4 | 39 | 48 | 41 | 50 | 1 5/8-12 |
| 250 | 204726.3 | 30-32 | 1 1/4 | 1 | 40 | 48 | 41 | 41 | 1 5/8-12 |
| | 204727.3 | 38 | 1 1/2 | 1 1/4 | 46 | 48 | 48 | 50 | 1 7/8-12 |
| M | | | | | | | | | |
| 350 | 204801.3 | 6 | 1/4 | 10x1 | 19,5 | 27 | 11 | 14 | 7/16-20 |
| 315 | 204802.3 | 8 | 5/16 | 12x1,5 | 20 | 27 | 14 | 17 | 1/2-20 |
| | 204803.3 | 10 | 3/8 | 14x1,5 | 21,5 | 28 | 14 | 19 | 9/16-18 |
| 250 | 204804.3 | 12 | 1/2 | 16x1,5 | 25,5 | 33 | 19 | 22 | 3/4-16 |
| | 204805.3 | 14-15-16 | 5/8 | 22x1,5 | 29 | 38 | 22 | 27 | 7/8-14 |
| 200 | 204806.3 | 18-20 | 3/4 | 27x2 | 33 | 46 | 27 | 32 | 1 1/8-12 |
| | 204807.3 | 25 | 1 | 33x2 | 38 | 46 | 33 | 41 | 1 5/8-12 |
| 160 | 204808.3 | 30-32 | 1 1/4 | 42x2 | 40 | 48 | 41 | 50 | 1 5/8-12 |
| | 204809.3 | 38 | 1 1/2 | 48x2 | 46 | 50 | 48 | 55 | 1 7/8-12 |
| 315 | 204810.3 | 6 | 1/4 | 12x1,5 | 20 | 27 | 14 | 17 | 7/16-20 |
| | 204811.3 | 8 | 5/16 | 10x1 | 20 | 24 | 14 | 14 | 1/2-20 |
| 350 | 204812.3 | 8 | 5/16 | 14x1,5 | 20 | 28 | 14 | 19 | 1/2-20 |
| | 204813.3 | 10 | 3/8 | 16x1,5 | 23 | 33 | 19 | 22 | 9/16-18 |
| 250 | 204814.3 | 12 | 1/2 | 18x1,5 | 25,5 | 33 | 19 | 24 | 3/4-16 |
| | 204815.3 | 14-15-16 | 5/8 | 18x1,5 | 29 | 34,5 | 22 | 24 | 7/8-14 |
| 200 | 204816.3 | 14-15-16 | 5/8 | 20x1,5 | 29 | 38 | 22 | 27 | 7/8-14 |
| | 204817.3 | 18-20 | 3/4 | 22x1,5 | 33 | 41,5 | 27 | 27 | 1 1/8-12 |
| 250 | 204818.3 | 25 | 1 | 27x2 | 38 | 46 | 33 | 32 | 1 5/8-12 |

KORPUS PRZYŁĄCZA TRÓJNIKOWEGO NIESYMETRYCZNEGO NASTAWNEGO Z GWINTEM UNF/UN-2A

ADJUSTABLE MALE STUD BARREL - TEE THREAD UNF/UN-2A

2052...3

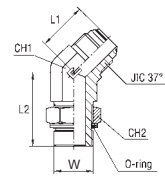


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | W | L1 | L2 | CH1 | CH2 | JIC 37° |
|-----------------|--|---------------------|---------------------|----------|------|------|-----|-----|----------|
| 400 | 205201.3 | 6 | 1/4 | 7/16-20 | 23 | 27 | 11 | 14 | 7/16-20 |
| | 205202.3 | 8 | 5/16 | 1/2-20 | 24 | 29 | 14 | 17 | 1/2-20 |
| 350 | 205203.3 | 10 | 3/8 | 9/16-18 | 27,5 | 32 | 14 | 17 | 9/16-18 |
| | 205204.3 | 12 | 1/2 | 3/4-16 | 32 | 37 | 19 | 22 | 3/4-16 |
| 290 | 205205.3 | 14-15-16 | 5/8 | 7/8-14 | 37 | 43 | 22 | 27 | 7/8-14 |
| | 205206.3 | 18-20 | 3/4 | 1 1/8-12 | 42 | 49,5 | 27 | 32 | 1 1/8-12 |
| 240 | 205207.3 | 25 | 1 | 1 5/8-12 | 46 | 52 | 33 | 41 | 1 5/8-12 |
| | 205208.3 | 30-32 | 1 1/4 | 1 5/8-12 | 53 | 58 | 41 | 50 | 1 5/8-12 |
| 400 | 205209.3 | 38 | 1 1/2 | 1 7/8-12 | 59 | 60 | 48 | 55 | 1 7/8-12 |
| | 205210.3 | 6 | 1/4 | 1/2-20 | 24 | 29 | 14 | 17 | 7/16-20 |
| 350 | 205211.3 | 6 | 1/4 | 9/16-18 | 24 | 32 | 14 | 17 | 7/16-20 |
| | 205212.3 | 10 | 3/8 | 3/4-16 | 29,5 | 37 | 19 | 22 | 9/16-18 |
| 250 | 205213.3 | 12 | 1/2 | 7/8-14 | 34 | 43 | 22 | 27 | 3/4-16 |
| | 205214.3 | 12 | 1/2 | 1 1/8-12 | 36 | 49,5 | 27 | 32 | 3/4-16 |
| 290 | 205215.3 | 14-15-16 | 5/8 | 3/4-16 | 37 | 39,5 | 22 | 22 | 7/8-14 |
| | 205216.3 | 14-15-16 | 5/8 | 1 1/8-12 | 39 | 49,5 | 27 | 32 | 7/8-14 |
| 240 | 205217.3 | 18-20 | 3/4 | 3/4-16 | 42 | 41,5 | 27 | 22 | 1 1/8-12 |
| | 205218.3 | 18-20 | 3/4 | 7/8-14 | 42 | 47 | 27 | 27 | 1 1/8-12 |
| 290 | 205219.3 | 18-20 | 3/4 | 1 5/8-12 | 45 | 52 | 33 | 41 | 1 1/8-12 |
| | 205220.3 | 25 | 1 | 1 1/8-12 | 46 | 49,5 | 33 | 32 | 1 5/8-12 |
| 240 | 205221.3 | 25 | 1 | 1 5/8-12 | 52 | 58 | 41 | 50 | 1 5/8-12 |

KORPUS PRZYŁĄCZA KOLANOWEGO 45° NASTAWNEGO Z GWINTEM UNF/UN-2A

45° ADJUSTABLE MALE STUD ELBOW - THREAD UNF/UN-2A

2049...3

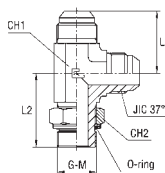


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | W | L1 | L2 | CH1 | CH2 | JIC 37° |
|-----------------|--|---------------------|---------------------|----------|------|------|-----|-----|----------|
| 400 | 204901.3 | 6 | 1/4 | 7/16-20 | 19,5 | 26,5 | 11 | 14 | 7/16-20 |
| | 204902.3 | 8 | 5/16 | 1/2-20 | 20 | 26,5 | 14 | 17 | 1/2-20 |
| 350 | 204903.3 | 10 | 3/8 | 9/16-18 | 21,5 | 29 | 14 | 17 | 9/16-18 |
| | 204904.3 | 12 | 1/2 | 3/4-16 | 25,5 | 33 | 19 | 22 | 3/4-16 |
| 290 | 204905.3 | 14-15-16 | 5/8 | 7/8-14 | 29 | 39 | 22 | 27 | 7/8-14 |
| | 204906.3 | 18-20 | 3/4 | 1 1/8-12 | 33 | 44 | 27 | 32 | 1 1/8-12 |
| 240 | 204907.3 | 25 | 1 | 1 5/8-12 | 38 | 47 | 33 | 41 | 1 5/8-12 |
| | 204908.3 | 30-32 | 1 1/4 | 1 5/8-12 | 40 | 48 | 41 | 50 | 1 5/8-12 |
| 400 | 204909.3 | 38 | 1 1/2 | 1 7/8-12 | 46 | 48,5 | 48 | 55 | 1 7/8-12 |
| | 204910.3 | 6 | 1/4 | 1/2-20 | 20 | 26,5 | 14 | 17 | 7/16-20 |
| 350 | 204911.3 | 6 | 1/4 | 3/4-16 | 23 | 33 | 19 | 22 | 9/16-18 |
| | 204912.3 | 12 | 1/2 | 7/8-14 | 26 | 39 | 22 | 27 | 3/4-16 |
| 290 | 204913.3 | 14-15-16 | 5/8 | 3/4-16 | 29 | 35,5 | 22 | 22 | 7/8-14 |
| | 204914.3 | 18-20 | 3/4 | 3/4-16 | 33 | 36 | 27 | 22 | 1 1/8-12 |
| 240 | 204915.3 | 18-20 | 3/4 | 7/8-14 | 33 | 39 | 27 | 27 | 1 1/8-12 |
| | 204916.3 | 18-20 | 3/4 | 1 5/8-12 | 37 | 47 | 33 | 41 | 1 1/8-12 |
| 290 | 204917.3 | 25 | 1 | 1 1/8-12 | 38 | 46,5 | 33 | 32 | 1 5/8-12 |
| | 204918.3 | 25 | 1 | 1 5/8-12 | 39 | 48 | 41 | 50 | 1 5/8-12 |

KORPUS PRZYŁĄCZA TRÓJNIKOWEGO NIESYMETRYCZNEGO NASTAWNEGO Z GWINTEM BSP LUB METRYCZNYM

ADJUSTABLE MALE STUD BARREL TEE WITH O-RING AND WASHER - THREAD BSP PARALLEL - THREAD METRIC PARALLEL

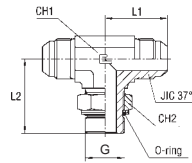
2050...3
2051...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | CH2 | JIC 37° |
|-----------------|--|---------------------|---------------------|--------|------|------|-----|-----|----------|
| 350 | 205001.3 | 6 | 1/4 | 1/8 | 23 | 26 | 11 | 14 | 7/16-20 |
| 315 | 205002.3 | 8 | 5/16 | 1/4 | 24 | 32 | 14 | 19 | 1/2-20 |
| | 205003.3 | 10 | 3/8 | 1/4 | 27,5 | 32 | 14 | 19 | 9/16-18 |
| 250 | 205004.3 | 12 | 1/2 | 3/8 | 32 | 37 | 19 | 22 | 3/4-16 |
| | 205005.3 | 14-15-16 | 5/8 | 1/2 | 37 | 43 | 22 | 27 | 7/8-14 |
| 200 | 205006.3 | 18-20 | 3/4 | 3/4 | 42 | 49 | 27 | 36 | 1 1/8-12 |
| | 205007.3 | 25 | 1 | 1 | 46 | 52 | 33 | 41 | 1 5/8-12 |
| 160 | 205008.3 | 30-32 | 1 1/4 | 1 1/4 | 53 | 58 | 41 | 50 | 1 5/8-12 |
| | 205009.3 | 38 | 1 1/2 | 1 1/2 | 59 | 60 | 48 | 55 | 1 7/8-12 |
| 315 | 205010.3 | 6 | 1/4 | 1/4 | 24 | 32 | 14 | 19 | 7/16-20 |
| | 205011.3 | 6 | 1/4 | 3/8 | 29 | 37 | 19 | 22 | 7/16-20 |
| 250 | 205012.3 | 6 | 1/4 | 1/2 | 31 | 43 | 22 | 27 | 7/16-20 |
| | 205013.3 | 8 | 5/16 | 1/8 | 24 | 30 | 14 | 14 | 1/2-20 |
| 250 | 205014.3 | 8 | 5/16 | 3/8 | 29 | 37 | 19 | 22 | 1/2-20 |
| | 205015.3 | 10 | 3/8 | 3/8 | 29,5 | 37 | 19 | 22 | 9/16-18 |
| 315 | 205016.3 | 10 | 3/8 | 1/2 | 31,5 | 43 | 22 | 27 | 9/16-18 |
| | 205017.3 | 12 | 1/2 | 1/4 | 32 | 37 | 19 | 19 | 3/4-16 |
| 250 | 205018.3 | 12 | 1/2 | 1/2 | 34 | 43 | 22 | 27 | 3/4-16 |
| | 205019.3 | 12 | 1/2 | 3/4 | 36 | 49 | 27 | 36 | 3/4-16 |
| 200 | 205020.3 | 14-15-16 | 5/8 | 3/8 | 37 | 37,5 | 22 | 22 | 7/8-14 |
| | 205021.3 | 14-15-16 | 5/8 | 3/4 | 39 | 49 | 27 | 36 | 7/8-14 |
| 200 | 205022.3 | 18-20 | 3/4 | 1/2 | 42 | 47 | 27 | 27 | 1 1/8-12 |
| | 205023.3 | 18-20 | 3/4 | 1 | 45 | 52 | 33 | 41 | 1 1/8-12 |
| 250 | 205024.3 | 25 | 1 | 3/4 | 46 | 50 | 33 | 36 | 1 5/8-12 |
| | 205025.3 | 25 | 1 | 1 1/4 | 52 | 58 | 41 | 50 | 1 5/8-12 |
| 200 | 205026.3 | 30-32 | 1 1/4 | 1 | 53 | 58 | 41 | 41 | 1 5/8-12 |
| | 205027.3 | 38 | 1 1/2 | 1 1/4 | 59 | 60 | 48 | 50 | 1 7/8-12 |
| M | | | | | | | | | |
| 350 | 205101.3 | 6 | 1/4 | 10x1 | 23 | 27 | 11 | 14 | 7/16-20 |
| 315 | 205102.3 | 8 | 5/16 | 12x1,5 | 24 | 31 | 14 | 17 | 1/2-20 |
| | 205103.3 | 10 | 3/8 | 14x1,5 | 27,5 | 33 | 14 | 19 | 9/16-18 |
| 250 | 205104.3 | 12 | 1/2 | 16x1,5 | 32 | 38 | 19 | 22 | 3/4-16 |
| | 205105.3 | 14-15-16 | 5/8 | 22x1,5 | 37 | 42 | 22 | 27 | 7/8-14 |
| 200 | 205106.3 | 18-20 | 3/4 | 27x2 | 42 | 50,5 | 27 | 32 | 1 1/8-12 |
| | 205107.3 | 25 | 1 | 33x2 | | | | | |

KORPUS PRZYŁĄCZA TRÓJNIKOWEGO SYMETRYCZNEGO NASTAWNEGO Z GWIEMT BSP ADJUSTABLE MALE STUD BRANCH TEE WITH O-RING AND WASHER - THREAD BSP PARALLEL

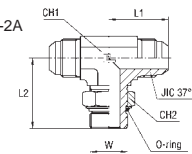
2053...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | CH2 | JIC 37° |
|-----------------|--|---------------------|---------------------|-------|------|------|-----|-----|----------|
| 350 | 205301.3 | 6 | 1/4 | 1/8 | 23 | 26 | 11 | 14 | 7/16-20 |
| | 205302.3 | 8 | 5/16 | 1/4 | 24 | 32 | 14 | 19 | 1/2-20 |
| | 205303.3 | 10 | 3/8 | 1/4 | 27,5 | 32 | 14 | 19 | 9/16-18 |
| 315 | 205304.3 | 12 | 1/2 | 3/8 | 32 | 37 | 19 | 22 | 3/4-16 |
| | 205305.3 | 14-15-16 | 5/8 | 1/2 | 37 | 43 | 22 | 27 | 7/8-14 |
| | 205306.3 | 18-20 | 3/4 | 3/4 | 42 | 49 | 27 | 36 | 1 1/8-12 |
| 250 | 205307.3 | 25 | 1 | 1 | 46 | 52 | 33 | 41 | 1 5/8-12 |
| | 205308.3 | 30-32 | 1 1/4 | 1 1/4 | 53 | 58 | 41 | 50 | 1 5/8-12 |
| | 205309.3 | 38 | 1 1/2 | 1 1/2 | 59 | 60 | 48 | 55 | 1 7/8-12 |
| 160 | 205310.3 | 6 | 1/4 | 1/4 | 24 | 32 | 14 | 19 | 7/16-20 |
| | 205311.3 | 6 | 1/4 | 3/8 | 29 | 37 | 19 | 22 | 7/16-20 |
| | 205312.3 | 6 | 1/4 | 1/2 | 31 | 43 | 22 | 27 | 7/16-20 |
| 350 | 205313.3 | 8 | 5/16 | 1/8 | 24 | 30 | 14 | 14 | 1/2-20 |
| | 205314.3 | 8 | 5/16 | 3/8 | 29 | 37 | 19 | 22 | 1/2-20 |
| | 205315.3 | 10 | 3/8 | 3/8 | 29,5 | 37 | 19 | 22 | 9/16-18 |
| 315 | 205316.3 | 10 | 3/8 | 1/2 | 31,5 | 43 | 22 | 27 | 9/16-18 |
| | 205317.3 | 12 | 1/2 | 1/4 | 32 | 37 | 19 | 19 | 3/4-16 |
| | 205318.3 | 12 | 1/2 | 1/2 | 34 | 43 | 22 | 27 | 3/4-16 |
| 250 | 205319.3 | 12 | 1/2 | 3/4 | 36 | 49 | 27 | 36 | 3/4-16 |
| | 205320.3 | 14-15-16 | 5/8 | 3/8 | 37 | 37,5 | 22 | 22 | 7/8-14 |
| | 205321.3 | 14-19 | 5/8 | 3/4 | 39 | 49 | 27 | 36 | 7/8-14 |
| 200 | 205322.3 | 18-20 | 3/4 | 1/2 | 42 | 47 | 27 | 27 | 1 1/8-12 |
| | 205323.3 | 18-20 | 3/4 | 1 | 45 | 52 | 33 | 41 | 1 1/8-12 |
| | 205324.3 | 25 | 1 | 3/4 | 46 | 50 | 33 | 36 | 1 5/8-12 |
| 250 | 205325.3 | 25 | 1 | 1 1/4 | 52 | 58 | 41 | 50 | 1 5/8-12 |
| | 205326.3 | 30-32 | 1 1/4 | 1 | 53 | 58 | 41 | 41 | 1 5/8-12 |
| | 205327.3 | 38 | 1 1/2 | 1 1/4 | 59 | 60 | 48 | 50 | 1 7/8-12 |

KORPUS PRZYŁĄCZA TRÓJNIKOWEGO SYMETRYCZNEGO NASTAWNEGO Z GWIEMT UNF/UN-2A ADJUSTABLE MALE STUD BRANCH TEE - THREAD UNF/UN-2A

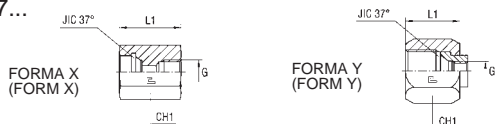
2055...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | W | L1 | L2 | CH1 | CH2 | JIC 37° |
|-----------------|--|---------------------|---------------------|----------|------|------|-----|-----|----------|
| 400 | 205501.3 | 6 | 1/4 | 7/16-20 | 23 | 27 | 11 | 14 | 7/16-20 |
| | 205502.3 | 8 | 5/16 | 1/2-20 | 24 | 29 | 14 | 17 | 1/2-20 |
| | 205503.3 | 10 | 3/8 | 9/16-18 | 27,5 | 32 | 14 | 17 | 9/16-18 |
| 350 | 205504.3 | 12 | 1/2 | 3/4-16 | 32 | 37 | 19 | 22 | 3/4-16 |
| | 205505.3 | 14-15-16 | 5/8 | 7/8-14 | 37 | 43 | 22 | 27 | 7/8-14 |
| | 205506.3 | 18-20 | 3/4 | 1 1/8-12 | 42 | 49,5 | 27 | 32 | 1 1/8-12 |
| 290 | 205507.3 | 25 | 1 | 1 5/8-12 | 46 | 52 | 33 | 41 | 1 5/8-12 |
| | 205508.3 | 30-32 | 1 1/4 | 1 5/8-12 | 53 | 58 | 41 | 50 | 1 5/8-12 |
| | 205509.3 | 38 | 1 1/2 | 1 7/8-12 | 59 | 60 | 48 | 55 | 1 7/8-12 |
| 400 | 205510.3 | 6 | 1/4 | 1/2-20 | 24 | 29 | 14 | 17 | 7/16-20 |
| | 205511.3 | 6 | 1/4 | 9/16-18 | 24 | 32 | 14 | 17 | 7/16-20 |
| | 205512.3 | 10 | 3/8 | 3/4-16 | 29,5 | 37 | 19 | 22 | 9/16-18 |
| 350 | 205513.3 | 12 | 1/2 | 7/8-14 | 34 | 43 | 22 | 27 | 3/4-16 |
| | 205514.3 | 12 | 1/2 | 1 1/8-12 | 36 | 49,5 | 27 | 32 | 3/4-16 |
| | 205515.3 | 14-15-16 | 5/8 | 3/4-16 | 37 | 39,5 | 22 | 22 | 7/8-14 |
| 350 | 205516.3 | 14-15-16 | 5/8 | 1 1/8-12 | 39 | 49,5 | 27 | 32 | 7/8-14 |
| | 205517.3 | 18-20 | 3/4 | 3/4-16 | 42 | 41,5 | 27 | 22 | 1 1/8-12 |
| | 205518.3 | 18-20 | 3/4 | 7/8-14 | 42 | 47 | 27 | 27 | 1 1/8-12 |
| 290 | 205519.3 | 18-20 | 3/4 | 1 5/8-12 | 45 | 52 | 33 | 41 | 1 1/8-12 |
| | 205520.3 | 25 | 1 | 1 1/8-12 | 46 | 49,5 | 33 | 32 | 1 5/8-12 |
| | 205521.3 | 25 | 1 | 1 5/8-12 | 52 | 58 | 41 | 50 | 1 5/8-12 |

PRZYŁĄCZE MANOMETRU Z GWIEMT BSP GAUGE COUPLING THREAD BSP PARALLEL

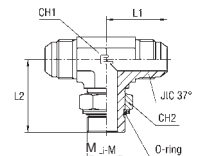
2057...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | FORMA (FORM) | L1 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|-----|--------------|------|-----|----------|
| 350 | 205701 | 6 | 1/4 | 1/4 | X | 29 | 19 | 7/16-20 |
| | 205702 | 8 | 5/16 | 1/4 | X | 29 | 19 | 1/2-20 |
| | 205703 | 10 | 3/8 | 1/4 | X | 29 | 19 | 9/16-18 |
| | 205704 | 12 | 1/2 | 1/4 | X | 32 | 22 | 3/4-16 |
| | 205705 | 14-15-16 | 5/8 | 1/4 | Y | 24,6 | 27 | 7/8-14 |
| | 205706 | 18-20 | 3/4 | 1/4 | Y | 25,9 | 32 | 1 1/8-12 |
| 290 | 205707 | 25 | 1 | 1/4 | Y | 28,4 | 41 | 1 5/8-12 |
| | 205708 | 30-32 | 1 1/4 | 1/4 | Y | 31 | 50 | 1 5/8-12 |
| 240 | 205709 | 38 | 1 1/2 | 1/4 | Y | 35,8 | 60 | 1 7/8-12 |

KORPUS PRZYŁĄCZA TRÓJNIKOWEGO SYMETRYCZNEGO NASTAWNEGO Z GWIEMT METRYCZNYM ADJUSTABLE MALE STUD BRANCH TEE WITH O-RING AND WASHER - THREAD METRIC PARALLEL

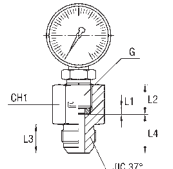
2054...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | M | L1 | L2 | CH1 | CH2 | JIC 37° |
|-----------------|--|---------------------|---------------------|--------|------|------|-----|-----|----------|
| 350 | 205401.3 | 6 | 1/4 | 10x1 | 23 | 27 | 11 | 14 | 7/16-20 |
| | 205402.3 | 8 | 5/16 | 12x1,5 | 24 | 31 | 14 | 17 | 1/2-20 |
| | 205403.3 | 10 | 3/8 | 14x1,5 | 27,5 | 33 | 14 | 19 | 9/16-18 |
| 250 | 205404.3 | 12 | 1/2 | 16x1,5 | 32 | 38 | 19 | 22 | 3/4-16 |
| | 205405.3 | 14-15-16 | 5/8 | 22x1,5 | 37 | 42 | 22 | 27 | 7/8-14 |
| | 205406.3 | 18-20 | 3/4 | 27x2 | 42 | 50,5 | 27 | 32 | 1 1/8-12 |
| 200 | 205407.3 | 25 | 1 | 33x2 | 46 | 52,5 | 33 | 41 | 1 5/8-12 |
| | 205408.3 | 30-32 | 1 1/4 | 42x2 | 53 | 58 | 41 | 50 | 1 5/8-12 |
| | 160 | 205409.3 | 38 | 1 1/2 | 48x2 | 59 | 63 | 48 | 55 |
| 315 | 205410.3 | 6 | 1/4 | 12x1,5 | 24 | 31 | 14 | 17 | 7/16-20 |
| | 205411.3 | 8 | 5/16 | 10x1 | 24 | 28 | 14 | 14 | 1/2-20 |
| | 205412.3 | 8 | 5/16 | 14x1,5 | 24 | 33 | 14 | 19 | 1/2-20 |
| 315 | 205413.3 | 10 | 3/8 | 16x1,5 | 29,5 | 38 | 19 | 22 | 9/16-18 |
| | 205414.3 | 12 | 1/2 | 18x1,5 | 32 | 38 | 19 | 24 | 3/4-16 |
| | 205415.3 | 14-15-16 | 5/8 | 18x1,5 | 37 | 40 | 22 | 24 | 7/8-14 |
| 250 | 205416.3 | 14-15-16 | 5/8 | 20x1,5 | 37 | 42 | 22 | 27 | 7/8-14 |
| | 205417.3 | 18-20 | 3/4 | 22x1,5 | 42 | 46 | 27 | 27 | 1 1/8-12 |
| | 205418.3 | 25 | 1 | 27x2 | 46 | 52,5 | 33 | 32 | 1 5/8-12 |

KORPUS PRZYŁĄCZA MANOMETRU Z GWIEMT BSP GAUGE COUPLING THREAD BSP PARALLEL

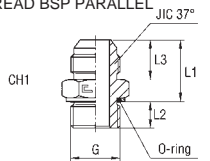
2056...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | L3 | L4 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|-----|-----|------|------|------|-----|---------|
| 400 | 205601.3 | 6 | 1/4 | 1/4 | 4,5 | 14,5 | 14 | 18,5 | 19 | 7/16-20 |
| | 205602.3 | 8 | 5/16 | 1/4 | 4,5 | 14,5 | 14 | 18,5 | 19 | 1/2-20 |
| | 205603.3 | 10 | 3/8 | 1/4 | 4,5 | 14,5 | 14,1 | 18,5 | 19 | 9/16-18 |
| 350 | 205604.3 | 12 | 1/2 | 1/4 | 4,5 | 14,5 | 16,7 | 21,5 | 22 | 3/4-16 |
| | 205605.3 | 6 | 1/4 | 1/2 | 5 | 20 | 14 | 20 | 27 | 7/16-20 |
| | 205606.3 | 8 | 5/16 | 1/2 | 5 | 20 | 14 | 20 | 27 | 1/2-20 |
| 290 | 205607.3 | 10 | 3/8 | 1/2 | 5 | 20 | 14,1 | 20 | 27 | 9/16-18 |
| | 205608.3 | 12 | 1/2 | 1/2 | 5 | 20 | 16,7 | 23 | 27 | 3/4-16 |

KORPUS PRZYŁĄCZA PROSTEGO Z GWIEMT BSP Z USZCZELNIENIEM TYPU O-RING MALE STUD COUPLING WITH O-RING AND WASHER - THREAD BSP PARALLEL

2058...3



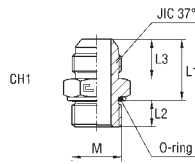
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | L3 | CH1 | JIC 37° | |
|-----------------|--|---------------------|---------------------|-------|------|------|------|------|----------|----------|
| 350 | 205801.3 | 6 | 1/4 | 1/8 | 22,3 | 6,7 | 14 | 14 | 7/16-20 | |
| | 205802.3 | 8 | 5/16 | 1/8 | 22,3 | 6,7 | 14 | 14 | 1/2-20 | |
| | 205803.3 | 10 | 3/8 | 1/4 | 22,8 | 10,2 | 14,1 | 19 | 9/16-18 | |
| | 205804.3 | 12 | 1/2 | 3/8 | 26,3 | 10,2 | 16,7 | 22 | 3/4-16 | |
| | 315 | 205805.3 | 14-15-16 | 5/8 | 1/2 | 31,3 | 12,2 | 19,3 | 27 | 7/8-14 |
| | | 205806.3 | 18-20 | 3/4 | 3/4 | 34,8 | 14,2 | 21,9 | 36 | 1 1/8-12 |
| 280 | 205807.3 | 25 | 1 | 1 | 37,6 | 15,4 | 23,1 | 41 | 1 5/8-12 | |
| | 205808.3 | 30-32 | 1 1/4 | 1 1/4 | 41,1 | 17,4 | 24,5 | 50 | 1 5/8-12 | |
| | 205809.3 | 38 | 1 1/2 | 1 1/2 | 45,1 | 19,4 | 27,5 | 55 | 1 7/8-12 | |
| 350 | 205810.3 | 6 | 1/4 | 1/4 | 22,8 | 10,2 | 14 | 19 | 7/16-20 | |
| | 205811.3 | 6 | 1/4 | 3/8 | 23,8 | 10,2 | 14 | 22 | 7/16-20 | |
| | 315 | 205812.3 | 6 | 1/4 | 1/2 | 25,8 | 12,2 | 14 | 27 | 7/16-20 |
| 350 | 205813.3 | 8 | 5/16 | 1/4 | 22,8 | 10,2 | 14 | 19 | 1/2-20 | |
| | 205814.3 | 8 | 5/16 | 3/8 | 23,8 | 10,2 | 14 | 22 | 1/2-20 | |
| | 205815.3 | 10 | 3/8 | 1/8 | 22,3 | 6,7 | 14,1 | 17 | 9/16-18 | |
| 315 | 205816.3 | 10 | 3/8 | 3/8 | 23,8 | 10,2 | 14,1 | 22 | 9/16-18 | |
| | 205817.3 | 10 | 3/8 | 1/2 | 26,3 | 12,2 | 14,1 | 27 | 9/16-18 | |
| | 350 | 205818.3 | 12 | 1/2 | 1/4 | 23,8 | 10,2 | 16,7 | 22 | 3/4-16 |
| 315 | 205819.3 | 12 | 1/2 | 1/2 | 28,8 | 12,2 | 16,7 | 27 | 3/4-16 | |
| | 205820.3 | 12 | 1/2 | 3/4 | 29,8 | 14,2 | 16,7 | 36 | 3/4-16 | |
| | 350 | 205821.3 | 14-15-16 | 5/8 | 3/8 | 30,3 | 10,2 | 19,3 | 24 | 7/8-14 |
| 315 | 205822.3 | 14-15-16 | 5/8 | 3/4 | 32,3 | 14,2 | 19,3 | 36 | 7/8-14 | |
| | 350 | 205823.3 | 18-20 | 3/4 | 3/8 | 33,8 | 10,2 | 21,9 | 30 | 1 1/8-12 |
| | 315 | 205824.3 | 18-20 | 3/4 | 1/2 | 33,8 | 12,2 | 21,9 | 30 | 1 1/8-12 |
| 280 | 205825.3 | 18-20 | 3/4 | 1 | 36,6 | 15,4 | 21,9 | 41 | 1 1/8-12 | |
| | 290 | 205826.3 | 25 | 1 | 3/4 | 35,8 | 14,2 | 23,1 | 36 | 1 5/8-12 |
| | 205827.3 | 25 | 1 | 1 1/4 | 39,6 | 17,4 | 23,1 | 50 | 1 5/8-12 | |
| 240 | 205828.3 | 30-32 | 1 1/4 | 1 | 40,1 | 15,4 | 24,3 | 46 | 1 5/8-12 | |
| | 205829.3 | 30-32 | 1 1/4 | 1 1/2 | 42,1 | 19,4 | 24,3 | 55 | 1 5/8-12 | |
| | 205830.3 | 38 | 1 1/2 | 1 1/4 | 44,1 | 17,4 | 27,5 | 50 | 1 7/8-12 | |

* Info:

JIC 37°

KORPUS PRZYŁĄCZA Z GWINTEM METRYCZNYM MALE STUD COUPLING AND WASHER THREAD METRIC PARALLEL

2059...3

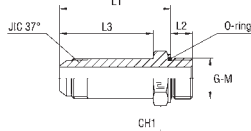


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | M | L1 | L2 | L3 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|--------|------|------|------|-----|-----------|
| 350 | 205901.3 | 6 | 1/4 | 10x1 | 22,5 | 7,5 | 14 | 14 | 7/16-20 |
| | 205902.3 | 8 | 5/16 | 12x1,5 | 22,4 | 9,6 | 14 | 17 | 1/2-20 |
| | 205903.3 | 10 | 3/8 | 14x1,5 | 22,4 | 9,6 | 14,1 | 19 | 9/16-18 |
| 315 | 205904.3 | 12 | 1/2 | 16x1,5 | 26,4 | 11,1 | 16,7 | 22 | 3/4-16 |
| | 205905.3 | 14-15-16 | 5/8 | 22x1,5 | 30,9 | 13,6 | 19,3 | 27 | 7/8-14 |
| 280 | 205906.3 | 18-20 | 3/4 | 27x2 | 34,5 | 16,5 | 21,9 | 32 | 1 1/16-12 |
| | 205907.3 | 25 | 1 | 33x2 | 36,5 | 16,5 | 23,1 | 41 | 1 5/16-12 |
| 240 | 205908.3 | 30-32 | 1 1/4 | 42x2 | 40,5 | 17 | 24,3 | 50 | 1 5/8-12 |
| | 205909.3 | 38 | 1 1/2 | 48x2 | 44 | 19,5 | 27,5 | 55 | 1 7/8-12 |
| 350 | 205910.3 | 6 | 1/4 | 12x1,5 | 22,4 | 9,6 | 14 | 17 | 7/16-20 |
| | 205911.3 | 8 | 5/16 | 10x1 | 22,5 | 7,5 | 14 | 14 | 1/2-20 |
| | 205912.3 | 8 | 5/16 | 14x1,5 | 22,4 | 9,6 | 14 | 19 | 1/2-20 |
| | 205913.3 | 10 | 3/8 | 16x1,5 | 23,9 | 11,1 | 14,1 | 22 | 9/16-18 |
| | 205914.3 | 12 | 1/2 | 14x1,5 | 26,4 | 9,6 | 16,7 | 22 | 3/4-16 |
| | 205915.3 | 12 | 1/2 | 18x1,5 | 26,9 | 12,6 | 16,7 | 24 | 3/4-16 |
| | 205916.3 | 14-15-16 | 5/8 | 18x1,5 | 29,9 | 12,6 | 19,3 | 24 | 7/8-14 |
| 315 | 205917.3 | 14-15-16 | 5/8 | 20x1,5 | 29,9 | 12,6 | 19,3 | 27 | 7/8-14 |
| | 205918.3 | 18-20 | 3/4 | 22x1,5 | 33,4 | 13,6 | 21,9 | 27 | 1 1/16-12 |
| 280 | 205919.3 | 25 | 1 | 27x2 | 35,5 | 16,5 | 23,1 | 36 | 1 5/16-12 |

KORPUS PRZYŁĄCZA PROSTEGO WYDŁUŻONEGO Z GWINTEM BSP LUB METRYCZNYM

LONG MALE STUD STRAIGHT COUPLING WITH O-RING AND WASHER - THREAD BSP PARALLEL - THREAD METRIC PARALLEL

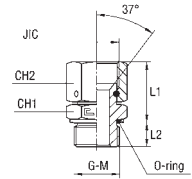
2062...3
2063...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | CH2 | JIC 37° | |
|-----------------|--|---------------------|---------------------|--------|-------|------|------|-----|-----------|-----------|
| 350 | 206201.3 | 6 | 1/4 | 1/8 | 43,3 | 6,7 | 35 | 14 | 7/16-20 | |
| | 206202.3 | 8 | 5/16 | 1/8 | 45,3 | 6,7 | 37 | 14 | 1/2-20 | |
| | 206203.3 | 10 | 3/8 | 1/4 | 47,8 | 10,2 | 39 | 19 | 9/16-18 | |
| 315 | 206204.3 | 12 | 1/2 | 3/8 | 57,8 | 10,2 | 48 | 22 | 3/4-16 | |
| | 206205.3 | 14-15-16 | 5/8 | 1/2 | 64,8 | 12,2 | 53 | 27 | 7/8-14 | |
| 280 | 206206.3 | 18-20 | 3/4 | 3/4 | 75,8 | 14,2 | 63 | 36 | 1 1/16-12 | |
| | 206207.3 | 25 | 1 | 1 | 86,6 | 15,4 | 72 | 41 | 1 5/16-12 | |
| 240 | 206208.3 | 30-32 | 1 1/4 | 1 1/4 | 104,6 | 17,4 | 88 | 50 | 1 5/8-12 | |
| | 206209.3 | 38 | 1 1/2 | 1 1/2 | 115,6 | 19,4 | 98 | 55 | 1 7/8-12 | |
| 350 | 206210.3 | 6 | 1/4 | 1/4 | 43,8 | 10,2 | 35 | 19 | 7/16-20 | |
| | 206211.3 | 8 | 5/16 | 1/4 | 45,8 | 10,2 | 37 | 19 | 1/2-20 | |
| | 206212.3 | 8 | 5/16 | 3/8 | 46,8 | 10,2 | 37 | 22 | 1/2-20 | |
| | 206213.3 | 10 | 3/8 | 3/8 | 48,8 | 10,2 | 39 | 22 | 9/16-18 | |
| | 315 | 206214.3 | 10 | 3/8 | 1/2 | 50,8 | 12,2 | 39 | 27 | 9/16-18 |
| | 350 | 206215.3 | 12 | 1/2 | 1/4 | 57,8 | 10,2 | 48 | 22 | 3/4-16 |
| | 315 | 206216.3 | 12 | 1/2 | 1/2 | 59,8 | 12,2 | 48 | 27 | 3/4-16 |
| 350 | 206217.3 | 14-15-16 | 5/8 | 3/8 | 63,8 | 10,2 | 53 | 24 | 7/8-14 | |
| | 206218.3 | 14-15-16 | 5/8 | 3/4 | 65,8 | 14,2 | 53 | 36 | 7/8-14 | |
| 315 | 206219.3 | 18-20 | 3/4 | 1/2 | 74,8 | 12,2 | 63 | 30 | 1 1/16-12 | |
| | 280 | 206220.3 | 18-20 | 3/4 | 1 | 77,6 | 15,4 | 63 | 41 | 1 1/16-12 |
| 290 | 206221.3 | 25 | 1 | 3/4 | 84,8 | 14,2 | 72 | 36 | 1 5/16-12 | |
| | 206222.3 | 25 | 1 | 1 1/4 | 88,6 | 17,4 | 72 | 50 | 1 5/16-12 | |
| 240 | 206223.3 | 30-32 | 1 1/4 | 1 | 103,6 | 15,4 | 88 | 46 | 1 5/8-12 | |
| | 206224.3 | 38 | 1 1/2 | 1 1/4 | 114,6 | 17,4 | 98 | 50 | 1 7/8-12 | |
| 350 | 206301.3 | 6 | 1/4 | 10x1 | 43,5 | 7,5 | 35 | 14 | 7/16-20 | |
| | 206302.3 | 8 | 5/16 | 12x1,5 | 45,4 | 9,6 | 37 | 17 | 1/2-20 | |
| | 206303.3 | 10 | 3/8 | 14x1,5 | 47,4 | 9,6 | 39 | 19 | 9/16-18 | |
| | 206304.3 | 12 | 1/2 | 16x1,5 | 57,9 | 11,1 | 48 | 22 | 3/4-16 | |
| 315 | 206305.3 | 14-15-16 | 5/8 | 22x1,5 | 64,4 | 13,6 | 53 | 27 | 7/8-14 | |
| | 206306.3 | 18-20 | 3/4 | 27x2 | 75,5 | 16,5 | 63 | 32 | 1 1/16-12 | |
| 280 | 206307.3 | 25 | 1 | 33x2 | 85,5 | 16,5 | 72 | 41 | 1 5/16-12 | |
| | 206308.3 | 30-32 | 1 1/4 | 42x2 | 104 | 17 | 88 | 50 | 1 5/8-12 | |
| 240 | 206309.3 | 38 | 1 1/2 | 48x2 | 114,5 | 19,5 | 98 | 55 | 1 7/8-12 | |
| | 206310.3 | 8 | 5/16 | 10x1 | 45,5 | 7,5 | 37 | 14 | 1/2-20 | |
| 350 | 206311.3 | 8 | 5/16 | 14x1,5 | 45,4 | 9,6 | 37 | 19 | 1/2-20 | |
| | 206312.3 | 10 | 3/8 | 16x1,5 | 48,9 | 11,1 | 39 | 22 | 9/16-18 | |
| | 206313.3 | 12 | 1/2 | 18x1,5 | 58,4 | 12,6 | 48 | 24 | 3/4-16 | |
| | 206314.3 | 14-15-16 | 5/8 | 18x1,5 | 63,4 | 12,6 | 53 | 24 | 7/8-14 | |
| 315 | 206315.3 | 14-15-16 | 5/8 | 20x1,5 | 63,4 | 12,6 | 53 | 27 | 7/8-14 | |
| | 206316.3 | 18-20 | 3/4 | 22x1,5 | 74,4 | 13,6 | 63 | 27 | 1 1/16-12 | |
| 280 | 206317.3 | 25 | 1 | 27x2 | 84,5 | 16,5 | 72 | 36 | 1 5/16-12 | |

PRZYŁĄCZE PROSTE NAKRETNE Z GWINTEM BSP LUB METRYCZNYM Z USZCZELNIENIEM TYPU O-RING MALE STUD COUPLING WITH SWIVEL NUT WITH O-RING AND WASHER THREAD BSP - THREAD METRIC PARALLEL

2060...
2061...

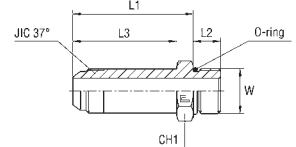


| Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Body) | JIC 37° | G | L1 | L2 | CH1 | CH2 |
|-----------------|---|-----------|--------|------|------|-----|-----|
| 350 | 206001 | 7/16-20 | 1/8 | 25,8 | 6,7 | 14 | 14 |
| | 206002 | 1/2-20 | 1/8 | 27,3 | 6,7 | 14 | 17 |
| | 206003 | 9/16-18 | 1/4 | 28,6 | 10,2 | 19 | 19 |
| | 206004 | 3/4-16 | 3/8 | 31,9 | 10,2 | 22 | 22 |
| 315 | 206005 | 7/8-14 | 1/2 | 37,9 | 12,2 | 27 | 27 |
| | 206006 | 1 1/16-12 | 3/4 | 39 | 14,2 | 36 | 3 |
| 280 | 206007 | 1 5/16-12 | 1 | 44,5 | 15,4 | 41 | 41 |
| | 206008 | 1 5/8-12 | 1 1/4 | 46,9 | 17,4 | 50 | 50 |
| 240 | 206009 | 1 7/8-12 | 1 1/2 | 54,9 | 19,4 | 55 | 60 |
| | 206010 | 7/16-20 | 1/4 | 28,3 | 10,2 | 19 | 14 |
| | 206011 | 7/16-20 | 3/8 | 27,3 | 10,2 | 22 | 14 |
| | 206012 | 1/2-20 | 1/4 | 27,8 | 10,2 | 19 | 17 |
| 350 | 206013 | 1/2-20 | 3/8 | 28,8 | 10,2 | 22 | 17 |
| | 206014 | 9/16-18 | 3/8 | 29,6 | 10,2 | 22 | 19 |
| | 206015 | 9/16-18 | 1/2 | 32,1 | 12,2 | 27 | 19 |
| | 206016 | 3/4-16 | 1/4 | 30,9 | 10,2 | 19 | 22 |
| 315 | 206017 | 3/4-16 | 1/2 | 34,4 | 12,2 | 27 | 22 |
| | 206018 | 7/8-14 | 3/8 | 35,9 | 10,2 | 22 | 27 |
| | 206019 | 7/8-14 | 3/4 | 38,9 | 14,2 | 36 | 27 |
| | 206020 | 1 1/16-12 | 1/2 | 38 | 12,2 | 27 | 32 |
| 280 | 206021 | 1 1/16-12 | 1 | 40,8 | 15,4 | 41 | 32 |
| | 206022 | 1 5/16-12 | 3/4 | 42,7 | 14,2 | 36 | 41 |
| | 206023 | 1 5/8-12 | 1 1/4 | 46,5 | 17,4 | 50 | 41 |
| | 206024 | 1 5/8-12 | 1 | 44,9 | 15,4 | 41 | 50 |
| 240 | 206025 | 1 7/8-12 | 1 1/4 | 53,9 | 17,4 | 50 | 60 |
| | M | | | | | | |
| 350 | 206101 | 7/16-20 | 10x1 | 26 | 7,5 | 14 | 14 |
| | 206102 | 1/2-20 | 12x1,5 | 27,4 | 9,6 | 17 | 17 |
| | 206103 | 9/16-18 | 14x1,5 | 28,2 | 9,6 | 19 | 19 |
| | 206104 | 3/4-16 | 16x1,5 | 32,5 | 11,1 | 22 | 22 |
| 315 | 206105 | 7/8-14 | 22x1,5 | 37,5 | 13,6 | 27 | 27 |
| | 206106 | 1 1/16-12 | 27x2 | 38,7 | 16,5 | 32 | 32 |
| 280 | 206107 | 1 5/16-12 | 33x2 | 43,4 | 16,5 | 41 | 41 |
| | 206108 | 1 5/8-12 | 42x2 | 40,3 | 17 | 50 | 50 |
| 240 | 206109 | 1 7/8-12 | 48x2 | 53,8 | 19,5 | 55 | 60 |
| | 206110 | 7/16-20 | 12x1,5 | 25,9 | 9,6 | 17 | 14 |
| | 203111 | 1/2-20 | 10x1 | 27,5 | 7,5 | 14 | 17 |
| | 206112 | 1/2-20 | 14x1,5 | 27,4 | 9,6 | 19 | 17 |
| 350 | 206113 | 9/16-18 | 16x1,5 | 29,7 | 11,1 | 22 | 19 |
| | 206114 | 3/4-16 | 18x1,5 | 32,5 | 12,6 | 24 | 22 |
| | 206115 | 7/8-14 | 18x1,5 | 36,5 | 12,6 | 24 | 27 |
| | 206116 | 7/8-14 | 20x1,5 | 37,5 | 12,6 | 27 | 27 |
| 315 | 206117 | 1 1/16-12 | 22x1,5 | 37,6 | 13,6 | 27 | 32 |
| | 206118 | 1 5/16-12 | 27x2 | 42,4 | 16,5 | 32 | 41 |

KORPUS PRZYŁĄCZA PROSTEGO WYDŁUŻONEGO Z GWINTEM UNF/UN-2A

LONG MALE STUD STRAIGHT COUPLING - THREAD UNF/UN-2A

2064...3



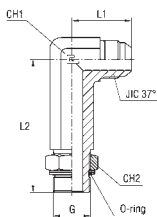
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | W | L1 | L2 | L3 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|-----------|-------|------|----|-----|-----------|
| 400 | 206401.3 | 6 | 1/4 | 7/16-20 | 42,9 | 9,1 | 35 | 14 | 7/16-20 |
| | 206402.3 | 8 | 5/16 | 1/2-20 | 44,9 | 9,1 | 37 | 17 | 1/2-20 |
| 350 | 206403.3 | 10 | 3/8 | 9/16-18 | 48 | 10 | 39 | 17 | 9/16-18 |
| | 206404.3 | 12 | 1/2 | 3/4-16 | 57,9 | 11,1 | 48 | 22 | 3/4-16 |
| | 206405.3 | 14-15-16 | 5/8 | 7/8-14 | 66,3 | 12,7 | 53 | 27 | 7/8-14 |
| 290 | 206406.3 | 18-20 | 3/4 | 1 1/16-12 | 75,9 | 15,1 | 63 | 32 | 1 1/16-12 |
| | 206407.3 | 25 | 1 | 1 5/16-12 | 85,4 | 15,1 | 72 | 41 | 1 5/16-12 |
| 240 | 206408.3 | 30-32 | 1 1/4 | 1 5/8-12 | 103,9 | 15,1 | 88 | 50 | 1 5/8-12 |
| | 206409.3 | 38 | 1 1/2 | 1 7/8-12 | 114,9 | 15,1 | 98 | 55 | 1 7/8-12 |
| 400 | 206410.3 | 6 | 1/4 | 1/2-20 | 42,9 | 9,1 | 35 | 17 | 7/16-20 |
| | 206411.3 | 6 | 1/4 | 9/16-18 | 43 | 10 | 35 | 17 | 7/16-20 |
| | 206412.3 | 10 | 3/8 | 3/4-16 | 48,9 | 11,1 | 39 | 22 | 9/16-18 |
| | 206413.3 | 12 | 1/2 | 7/8-14 | 59,3 | 12,7 | 48 | 27 | 3/4-16 |
| 350 | 206414.3 | 12 | 1/2 | 1 1/16-12 | 60,9 | 15,1 | 48 | 32 | 3/4-16 |
| | 206415.3 | 14-15-16 | 5/8 | 3/4-16 | 63,9 | 11,1 | 48 | 24 | 7/8-14 |
| | 206416.3 | 14-15-16 | 5/8 | 1 1/16-12 | 65,9 | 15,1 | 53 | 32 | 7/8-14 |
| | 206417.3 | 18-20 | 3/4 | 3/4-16 | 74,9 | 11,1 | 53 | 30 | 1 1/16-12 |
| 290 | 206418.3 | 18-20 | 3/4 | 7/8-14 | 75,3 | 12,7 | 63 | 30 | 1 1/16-12 |
| | 206419.3 | 18-20 | 3/4 | 1 5/16-12 | 76,9 | 15,1 | 63 | 41 | 1 1/16-12 |
| 240 | 206420.3 | 25 | 1 | 1 1/16-12 | 84,9 | 15,1 | 72 | 36 | 1 5/16-12 |
| | 206421.3 | 25 | 1 | 1 5/8-12 | 87,9 | 15,1 | 72 | 50 | 1 5/16-12 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cy

KORPUS PRZYŁĄCZA KOLANOWEGO WYDŁUŻONEGO NASTAWNEGO Z GWINTEM BSP Z USZCZELNIENIEM TYPU O-RING

LONG MALE STUD ELBOW COUPLING WITH O-RING AND WASHER - THREAD BSP PARALLEL

2065...3

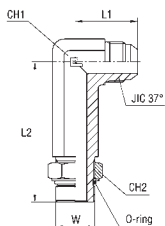


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | CH2 | JIC 37° |
|-----------------|--|---------------------|---------------------|-------|------|------|-----|-----|-----------|
| 350 | 206501.3 | 6 | 1/4 | 1/8 | 23 | 46 | 11 | 14 | 7/16-20 |
| 315 | 206502.3 | 8 | 5/16 | 1/4 | 24 | 56.5 | 14 | 19 | 1/2-20 |
| | 206503.3 | 10 | 3/8 | 1/4 | 27.5 | 56.5 | 14 | 19 | 9/16-18 |
| | 206504.3 | 12 | 1/2 | 3/8 | 32 | 67 | 19 | 22 | 3/4-16 |
| 250 | 206505.3 | 14-15-16 | 5/8 | 1/2 | 37 | 78 | 22 | 27 | 7/8-14 |
| | 206506.3 | 18-20 | 3/4 | 3/4 | 42 | 92 | 27 | 36 | 1 1/16-12 |
| | 206507.3 | 25 | 1 | 1 | 46 | 105 | 33 | 41 | 1 5/16-12 |
| 200 | 206508.3 | 30-32 | 1 1/4 | 1 1/4 | 53 | 124 | 41 | 50 | 1 5/8-12 |
| 160 | 206509.3 | 38 | 1 1/2 | 1 1/2 | 59 | 135 | 48 | 55 | 1 7/8-12 |
| 315 | 206510.3 | 8 | 1/4 | 1/4 | 24 | 56.5 | 14 | 19 | 7/16-20 |
| 250 | 206511.3 | 6 | 1/4 | 3/8 | 29 | 67 | 19 | 22 | 7/16-20 |
| | 206512.3 | 6 | 1/4 | 1/2 | 31 | 78 | 22 | 27 | 7/16-20 |
| 350 | 206513.3 | 8 | 5/16 | 1/8 | 24 | 49.5 | 14 | 14 | 1/2-20 |
| | 206514.3 | 8 | 5/16 | 3/8 | 29 | 67 | 19 | 22 | 1/2-20 |
| 250 | 206515.3 | 10 | 3/8 | 3/8 | 29.5 | 67 | 19 | 22 | 9/16-18 |
| | 206516.3 | 10 | 3/8 | 1/2 | 31.5 | 78 | 22 | 27 | 9/16-18 |
| 315 | 206517.3 | 12 | 1/2 | 1/4 | 32 | 66.5 | 19 | 19 | 3/4-16 |
| | 206518.3 | 12 | 1/2 | 1/2 | 34 | 78 | 22 | 27 | 3/4-16 |
| | 206519.3 | 12 | 1/2 | 3/4 | 36 | 92 | 27 | 36 | 3/4-16 |
| 250 | 206520.3 | 14-15-16 | 5/8 | 3/8 | 37 | 74.5 | 22 | 22 | 7/8-14 |
| | 206521.3 | 14-15-16 | 5/8 | 3/4 | 39 | 92 | 27 | 36 | 7/8-14 |
| | 206522.3 | 18-20 | 3/4 | 1/2 | 42 | 88 | 27 | 27 | 1 1/16-12 |
| 200 | 206523.3 | 18-20 | 3/4 | 1 | 45 | 105 | 33 | 41 | 1 1/16-12 |
| 250 | 206524.3 | 25 | 1 | 3/4 | 46 | 104 | 33 | 36 | 1 5/8-12 |
| | 206525.3 | 25 | 1 | 1 1/4 | 52 | 124 | 41 | 50 | 1 5/8-12 |
| 200 | 206526.3 | 30-32 | 1 1/4 | 1 | 53 | 124 | 41 | 41 | 1 5/8-12 |
| | 206527.3 | 38 | 1 1/2 | 1 1/4 | 59 | 135 | 48 | 50 | 1 7/8-12 |

KORPUS PRZYŁĄCZA KOLANOWEGO WYDŁUŻONEGO NASTAWNEGO Z GWINTEM UNF / UN-2A

LONG MALE STUD ELBOW COUPLING - THREAD UNF/UN-2A

2067...3

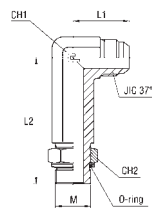


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | W | L1 | L2 | CH1 | CH2 | JIC 37° |
|-----------------|--|---------------------|---------------------|-----------|------|------|-----|-----|-----------|
| 400 | 206701.3 | 6 | 1/4 | 7/16-20 | 23 | 46 | 11 | 14 | 7/16-20 |
| | 206702.3 | 8 | 5/16 | 1/2-20 | 24 | 49.5 | 14 | 17 | 1/2-20 |
| | 206703.3 | 10 | 3/8 | 9/16-18 | 27.5 | 56.5 | 14 | 17 | 9/16-18 |
| 350 | 206704.3 | 12 | 1/2 | 3/4-16 | 32 | 67 | 19 | 22 | 3/4-16 |
| | 206705.3 | 14-15-16 | 5/8 | 7/8-14 | 37 | 78 | 22 | 27 | 7/8-14 |
| | 206706.3 | 18-20 | 3/4 | 1 1/16-12 | 42 | 92 | 27 | 32 | 1 1/16-12 |
| 290 | 206707.3 | 25 | 1 | 1 5/8-12 | 46 | 105 | 33 | 41 | 1 5/8-12 |
| 240 | 206708.3 | 30-32 | 1 1/4 | 1 5/8-12 | 53 | 124 | 41 | 50 | 1 5/8-12 |
| | 206709.3 | 38 | 1 1/2 | 1 7/8-12 | 59 | 135 | 48 | 55 | 1 7/8-12 |
| 400 | 206710.3 | 6 | 1/4 | 1/2-20 | 24 | 49.5 | 14 | 17 | 7/16-20 |
| | 206711.3 | 6 | 1/4 | 9/16-18 | 24 | 56.5 | 14 | 17 | 7/16-20 |
| | 206712.3 | 10 | 3/8 | 3/4-16 | 29.5 | 67 | 19 | 22 | 9/16-18 |
| | 206713.3 | 12 | 1/2 | 7/8-14 | 34 | 78 | 22 | 27 | 3/4-16 |
| | 206714.3 | 12 | 1/2 | 1 1/16-12 | 36 | 92 | 27 | 32 | 3/4-16 |
| | 206715.3 | 14-15-16 | 5/8 | 3/4-16 | 37 | 74.5 | 22 | 22 | 7/8-14 |
| | 206716.3 | 14-15-16 | 5/8 | 1 1/16-12 | 39 | 92 | 27 | 32 | 7/8-14 |
| | 206717.3 | 18-20 | 3/4 | 3/4-16 | 42 | 84.5 | 27 | 22 | 1 1/16-12 |
| | 206718.3 | 18-20 | 3/4 | 7/8-14 | 42 | 88 | 27 | 27 | 1 1/16-12 |
| | 206719.3 | 18-20 | 3/4 | 1 5/16-12 | 45 | 105 | 33 | 41 | 1 1/16-12 |
| 290 | 206720.3 | 25 | 1 | 1 1/16-12 | 46 | 105 | 33 | 32 | 1 5/8-12 |
| 240 | 206721.3 | 25 | 1 | 1 5/8-12 | 52 | 124 | 41 | 50 | 1 5/8-12 |

KORPUS PRZYŁĄCZA KOLANOWEGO WYDŁUŻONEGO NASTAWNEGO Z GWINTEM METRYCZNYM Z USZCZELNIENIEM TYPU O-RING

LONG MALE STUD ELBOW COUPLING WITH O-RING AND WASHER - THREAD METRIC PARALLEL

2066...3

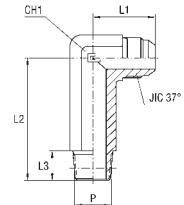


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | M | L1 | L2 | L3 | CH2 | JIC 37° |
|-----------------|--|---------------------|---------------------|--------|------|------|----|-----|-----------|
| 350 | 206601.3 | 6 | 1/4 | 10x1 | 23 | 46 | 11 | 14 | 7/16-20 |
| 315 | 206602.3 | 8 | 5/16 | 12x1.5 | 24 | 53.5 | 14 | 17 | 1/2-20 |
| | 206603.3 | 10 | 3/8 | 14x1.5 | 27.5 | 56 | 14 | 19 | 9/16-18 |
| | 206604.3 | 12 | 1/2 | 16x1.5 | 32 | 67 | 19 | 22 | 3/4-16 |
| 250 | 206605.3 | 14-15-16 | 5/8 | 22x1.5 | 37 | 78 | 22 | 27 | 7/8-14 |
| | 206606.3 | 18-20 | 3/4 | 27x2 | 42 | 95 | 27 | 32 | 1 1/16-12 |
| | 206607.3 | 25 | 1 | 33x2 | 46 | 105 | 33 | 41 | 1 5/16-12 |
| 200 | 206608.3 | 30-32 | 1 1/4 | 42x2 | 53 | 124 | 41 | 50 | 1 5/8-12 |
| 160 | 206609.3 | 38 | 1 1/2 | 48x2 | 59 | 137 | 48 | 55 | 1 7/8-12 |
| 315 | 206610.3 | 6 | 1/4 | 12x1.5 | 24 | 53.5 | 14 | 17 | 7/16-20 |
| 350 | 206611.3 | 8 | 5/16 | 10x1 | 24 | 49.5 | 14 | 14 | 1/2-20 |
| | 206612.3 | 8 | 5/16 | 14x1.5 | 24 | 56 | 14 | 19 | 1/2-20 |
| | 206613.3 | 10 | 3/8 | 16x1.5 | 29.5 | 67 | 19 | 22 | 9/16-18 |
| | 206614.3 | 12 | 1/2 | 18x1.5 | 32 | 67 | 22 | 24 | 3/4-16 |
| | 206615.3 | 14-15-16 | 5/8 | 18x1.5 | 37 | 75.5 | 22 | 24 | 7/8-14 |
| | 206616.3 | 14-15-16 | 5/8 | 20x1.5 | 37 | 78 | 22 | 27 | 7/8-14 |
| | 206617.3 | 20 | 3/4 | 22x1.5 | 42 | 88 | 27 | 27 | 1 1/16-12 |
| | 206618.3 | 25 | 1 | 27x2 | 46 | 105 | 33 | 32 | 1 5/16-12 |

KORPUS PRZYŁĄCZA KOLANOWEGO WYDŁUŻONEGO Z GWINTEM NPT

LONG MALE STUD ELBOW COUPLING - THREAD NPT

2068...3

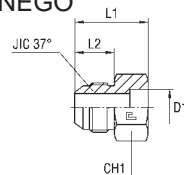


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | P | L1 | L2 | L3 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|-------|------|------|------|-----|-----------|
| 350 | 206801.3 | 6 | 1/4 | 1/8 | 23 | 39.5 | 10 | 11 | 7/16-20 |
| | 206802.3 | 8 | 5/16 | 1/8 | 24 | 41.5 | 10 | 14 | 1/2-20 |
| | 206803.3 | 10 | 3/8 | 1/4 | 27.5 | 52.5 | 14.5 | 14 | 9/16-18 |
| | 206804.3 | 12 | 1/2 | 3/8 | 32 | 61 | 14.5 | 19 | 3/4-16 |
| | 206805.3 | 14-15-16 | 5/8 | 1/2 | 37 | 73 | 19 | 22 | 7/8-14 |
| | 206806.3 | 18-20 | 3/4 | 3/4 | 42 | 82.5 | 19 | 27 | 1 1/16-12 |
| 290 | 206807.3 | 25 | 1 | 1 | 46 | 103 | 24 | 33 | 1 5/8-12 |
| 240 | 206808.3 | 30-32 | 1 1/4 | 1 1/4 | 53 | 127 | 25 | 41 | 1 5/8-12 |
| | 206809.3 | 38 | 1 1/2 | 1 1/2 | 59 | 141 | 26 | 48 | 1 7/8-12 |
| | 206810.3 | 6 | 1/4 | 1/4 | 24 | 52.5 | 14.5 | 14 | 7/16-20 |
| | 206811.3 | 8 | 5/16 | 1/4 | 24 | 52.5 | 14.5 | 14 | 1/2-20 |
| | 206812.3 | 10 | 3/8 | 1/8 | 27.5 | 48.5 | 10 | 14 | 9/16-18 |
| | 206813.3 | 10 | 3/8 | 3/8 | 29.5 | 61 | 14.5 | 19 | 9/16-18 |
| | 206814.3 | 10 | 3/8 | 1/2 | 31.5 | 73 | 19 | 27 | 9/16-18 |
| | 206815.3 | 12 | 1/2 | 1/4 | 32 | 61 | 14.5 | 19 | 3/4-16 |
| | 206816.3 | 12 | 1/2 | 1/2 | 34 | 73 | 19 | 22 | 3/4-16 |
| | 206817.3 | 12 | 1/2 | 3/4 | 36 | 82.5 | 19 | 27 | 3/4-16 |
| | 206818.3 | 14-15-16 | 5/8 | 3/8 | 37 | 68.5 | 14.5 | 22 | 7/8-14 |
| | 206819.3 | 14-15-16 | 5/8 | 3/4 | 39 | 82.5 | 19 | 27 | 7/8-14 |
| | 206820.3 | 18-20 | 3/4 | 1/2 | 42 | 82.5 | 19 | 27 | 1 1/16-12 |
| 290 | 206821.3 | 25 | 1 | 3/4 | 46 | 98 | 19 | 33 | 1 5/8-12 |
| 240 | 206822.3 | 30-32 | 1 1/4 | 1 | 53 | 127 | 24 | 41 | 1 5/8-12 |

ZŁĄCZE DO SPAWANIA WEWNĘTRZNEGO

FEMALE STRAIGHT WELDING COUPLING

2069...3



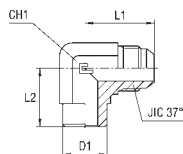
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | D1 | L1 | L2 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|----|------|------|-----|-----------|
| 450 | 206901.3 | 6 | 1/4 | 6 | 26 | 14 | 12 | 7/16-20 |
| | 206902.3 | 8 | 5/16 | 10 | 26 | 14 | 14 | 1/2-20 |
| | 206903.3 | 10 | 3/8 | 10 | 27.5 | 14.1 | 17 | 9/16-18 |
| 350 | 206904.3 | 12 | 1/2 | 12 | 29 | 16.7 | 22 | 3/4-16 |
| | 206905.3 | 14-15-16 | 5/8 | 16 | 31.5 | 19.3 | 24 | 7/8-14 |
| | 206906.3 | 18-20 | 3/4 | 20 | 40 | 21.9 | 30 | 1 1/16-12 |
| 290 | 206907.3 | 25 | 1 | 25 | 42 | 23.1 | 36 | 1 5/8-12 |
| 240 | 206908.3 | 30-32 | 1 1/4 | 32 | 45 | 24.3 | 46 | 1 5/8-12 |
| | 206909.3 | 38 | 1 1/2 | 38 | 50 | 27.5 | 50 | 1 7/8-12 |
| | 206910.3 | 10 | 3/8 | 12 | 27.5 | 14.1 | 17 | 9/16-18 |
| | 206911.3 | 12 | 1/2 | 16 | 29 | 16.7 | 22 | 3/4-16 |
| | 206912.3 | 12 | 1/2 | 18 | 29 | 16.7 | 22 | 3/4-16 |
| | 206913.3 | 14-15-16 | 5/8 | 18 | 31.5 | 19.3 | 24 | 7/8-14 |
| | 206914.3 | 14-15-16 | 5/8 | 22 | 36.5 | 19.3 | 27 | 7/8-14 |
| | 206915.3 | 18-20 | 3/4 | 18 | 40 | 21.9 | 30 | 1 1/16-12 |
| | 206916.3 | 18-20 | 3/4 | 25 | 40 | 21.9 | 36 | 1 1/16-12 |
| | 206917.3 | 25 | 1 | 27 | 42 | 23.1 | 36 | 1 5/8-12 |
| 290 | 206918.3 | 25 | 1 | 32 | 42.5 | 23.1 | 41 | 1 5/8-12 |
| 240 | 206919.3 | 30-32 | 1 1/4 | 38 | 45 | 24.3 | 50 | 1 5/8-12 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 20.. na 21.. np. 208601 na 218601.
 * Note: If you wish to order a fitting in stainless steel, please change the first two digit from 20.. to 21.. ex. 208601 to 218601

JIC 37°

KORPUS ZŁĄCZA KOLANOWEGO DO SPAWANIA MALE WELDING ELBOW

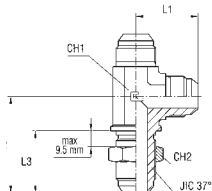
2070...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) * | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | D1 | L1 | L2 | CH1 | JIC 37° |
|-----------------|--|---------------------|---------------------|----|------|------|-----|-----------|
| 450 | 207001.3 | 6 | 1/4 | 15 | 31 | 22,5 | 14 | 7/16-20 |
| | 207002.3 | 8 | 5/16 | 15 | 31 | 22,5 | 14 | 1/2-20 |
| | 207003.3 | 10 | 3/8 | 15 | 31 | 22,5 | 14 | 9/16-18 |
| 350 | 207004.3 | 12 | 1/2 | 20 | 36 | 26 | 19 | 3/4-16 |
| | 207005.3 | 14-15-16 | 5/8 | 23 | 41,5 | 31 | 22 | 7/8-14 |
| | 207006.3 | 18-20 | 3/4 | 28 | 48 | 34,5 | 27 | 1 1/16-12 |
| 290 | 207007.3 | 25 | 1 | 35 | 52 | 41 | 33 | 1 5/8-12 |
| 240 | 207008.3 | 30-32 | 1 1/4 | 42 | 59 | 43 | 41 | 1 5/8-12 |
| 450 | 207009.3 | 38 | 1 1/2 | 50 | 66 | 53 | 48 | 1 7/8-12 |
| | 207010.3 | 8 | 5/16 | 16 | 27 | 16 | 14 | 1/2-20 |
| | 207011.3 | 10 | 3/8 | 16 | 27 | 16 | 14 | 9/16-18 |
| | 207012.3 | 10 | 3/8 | 22 | 29 | 18 | 19 | 9/16-18 |
| | 207013.3 | 12 | 1/2 | 22 | 31,5 | 18 | 19 | 3/4-16 |
| | 207014.3 | 12 | 1/2 | 18 | 34 | 20 | 22 | 3/4-16 |
| | 207015.3 | 14-15-16 | 5/8 | 22 | 36,5 | 20 | 22 | 7/8-14 |
| | 207016.3 | 14-15-16 | 5/8 | 27 | 40 | 23 | 27 | 7/8-14 |

KORPUS ZŁĄCZA TRÓJNIKOWEGO NIESYMETRYCZNEGO GRODZIOWEGO BULKHEAD BARREL TEE

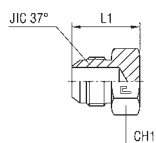
2072...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) * | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | L2 | L3 | CH1 | CH2 | JIC 37° |
|-----------------|--|---------------------|---------------------|------|------|------|-----|-----|-----------|
| 450 | 207201.3 | 6 | 1/4 | 24,5 | 40,5 | 28,3 | 11 | 17 | 7/16-20 |
| | 207202.3 | 8 | 5/16 | 27 | 43,5 | 28,3 | 14 | 19 | 1/2-20 |
| | 207203.3 | 10 | 3/8 | 27,5 | 46 | 30,1 | 14 | 22 | 9/16-18 |
| 350 | 207204.3 | 12 | 1/2 | 34,5 | 53,5 | 35 | 19 | 24 | 3/4-16 |
| | 207205.3 | 14-15-16 | 5/8 | 39,5 | 60,5 | 38,5 | 22 | 30 | 7/8-14 |
| | 207206.3 | 18-20 | 3/4 | 45 | 68 | 42,8 | 27 | 36 | 1 1/16-12 |
| 290 | 207207.3 | 25 | 1 | 49,5 | 71 | 42,8 | 33 | 41 | 1 5/8-12 |
| 240 | 207208.3 | 30-32 | 1 1/4 | 55 | 79 | 44,1 | 41 | 50 | 1 5/8-12 |
| | 207209.3 | 38 | 1 1/2 | 59,5 | 87 | 44,3 | 48 | 55 | 1 7/8-12 |

KOREK TUBE PLUG

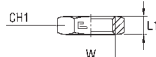
2074...3



| Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) * | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | CH1 | JIC 37° |
|-----------------|---|---------------------|---------------------|------|-----|-----------|
| 450 | 207401.3 | 6 | 1/4 | 20,5 | 12 | 7/16-20 |
| | 207402.3 | 8 | 5/16 | 20,5 | 14 | 1/2-20 |
| | 207403.3 | 10 | 3/8 | 21,5 | 17 | 9/16-18 |
| 350 | 207404.3 | 12 | 1/2 | 24 | 22 | 3/4-16 |
| | 207405.3 | 14-15-16 | 5/8 | 28 | 24 | 7/8-14 |
| | 207406.3 | 18-20 | 3/4 | 32 | 30 | 1 1/16-12 |
| 290 | 207407.3 | 25 | 1 | 34 | 36 | 1 5/8-12 |
| 240 | 207408.3 | 30-32 | 1 1/4 | 37 | 46 | 1 5/8-12 |
| | 207409.3 | 38 | 1 1/2 | 42 | 50 | 1 7/8-12 |

PRZECIWNĄKRĘTKA Z GWINTEM UNF/UN-2B HEXAGONAL NUT - THREAD UNF/UN-2A

2076...

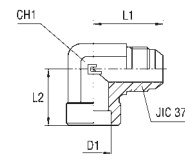


| Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) * | W | L1 | CH1 |
|-----------------|---|-----------|------|-----|
| 450 | 207601 | 7/16-20 | 7,1 | 17 |
| | 207602 | 1/2-20 | 7,1 | 19 |
| | 207603 | 9/16-18 | 7,1 | 22 |
| 350 | 207604 | 3/4-16 | 7,9 | 24 |
| | 207605 | 7/8-14 | 9,1 | 30 |
| | 207606 | 1 1/16-12 | 10,4 | 36 |
| 290 | 207607 | 1 5/8-12 | 10,4 | 41 |
| 240 | 207608 | 1 5/8-12 | 10,4 | 50 |
| | 207609 | 1 7/8-12 | 10,4 | 55 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 20.. na 21.. np. 208601 na 218601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 20.. to 21.. ex. 208601 to 218601

KORPUS ZŁĄCZA KOLANOWEGO DO SPAWANIA WENĘTRZNEGO FEMALE WELDING ELBOW

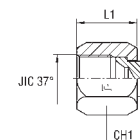
2071...3



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) * | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | D1 | L1 | L2 | CH1 | JIC 37° | |
|-----------------|--|---------------------|---------------------|-------|------|----|-----|-----------|----------|
| 450 | 207101.3 | 6 | 1/4 | 6 | 23 | 10 | 11 | 7/16-20 | |
| | 207102.3 | 8 | 5/16 | 10 | 27 | 16 | 14 | 1/2-20 | |
| | 207103.3 | 10 | 3/8 | 10 | 27,5 | 16 | 14 | 9/16-18 | |
| 350 | 207104.3 | 12 | 1/2 | 12 | 32 | 18 | 19 | 3/4-16 | |
| | 207105.3 | 14-15-16 | 5/8 | 16 | 37 | 20 | 22 | 7/8-14 | |
| | 207106.3 | 18-20 | 3/4 | 20 | 42 | 23 | 27 | 1 1/16-12 | |
| 290 | 207107.3 | 25 | 1 | 25 | 46 | 26 | 33 | 1 5/8-12 | |
| 240 | 207108.3 | 30-32 | 1 1/4 | 32 | 53 | 33 | 41 | 1 5/8-12 | |
| | 207109.3 | 38 | 1 1/2 | 38 | 59 | 35 | 48 | 1 7/8-12 | |
| 350 | 207110.3 | 10 | 3/8 | 12 | 29,5 | 18 | 19 | 9/16-18 | |
| | 207111.3 | 12 | 1/2 | 16 | 34 | 20 | 22 | 3/4-16 | |
| | 207112.3 | 14-15-16 | 5/8 | 14 | 37 | 20 | 22 | 7/8-14 | |
| | 207113.3 | 14-15-16 | 5/8 | 18 | 40 | 23 | 27 | 7/8-14 | |
| | 207114.3 | 14-15-16 | 5/8 | 22 | 40 | 23 | 27 | 7/8-14 | |
| | 207115.3 | 18-20 | 3/4 | 18 | 42 | 23 | 27 | 1 1/16-12 | |
| | 207116.3 | 18-20 | 3/4 | 25 | 46 | 26 | 33 | 1 1/16-12 | |
| | 290 | 207117.3 | 25 | 1 | 32 | 51 | 33 | 41 | 1 5/8-12 |
| | 240 | 207118.3 | 30-32 | 1 1/4 | 30 | 53 | 33 | 41 | 1 5/8-12 |
| | | 207119.3 | 30-32 | 1 1/2 | 38 | 56 | 35 | 48 | 1 5/8-12 |

ZASŁEPKA FEMALE PLUG

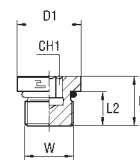
2073...



| Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) * | W | L1 | CH1 |
|-----------------|---|-----------|------|-----|
| 450 | 207301 | 7/16-20 | 15,5 | 14 |
| | 207302 | 1/2-20 | 17 | 17 |
| | 207303 | 9/16-18 | 18,3 | 19 |
| 350 | 207304 | 3/4-16 | 21,3 | 22 |
| | 207305 | 7/8-14 | 24,6 | 27 |
| | 207306 | 1 1/16-12 | 25,9 | 32 |
| 290 | 207307 | 1 5/8-12 | 28,4 | 41 |
| 240 | 207308 | 1 5/8-12 | 31 | 50 |
| | 207309 | 1 7/8-12 | 35,8 | 60 |

KOREK Z GNIAZDEM IMBUSOWYM Z GWINTEM UNF/UN-2A CLOSURE PLUG WITH HEXAGON SOCKET HEAD - THREAD UNF/UN-2A

2075...

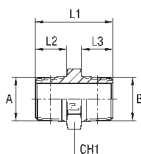


| Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Complete) * | W | D1 | L1 | L2 | CH1 |
|-----------------|---|-----------|------|------|------|-------|
| 450 | 207501 | 7/16-20 | 14 | 12 | 9,1 | 4,78 |
| | 207502 | 1/2-20 | 16 | 12 | 9,1 | 4,78 |
| | 207503 | 9/16-18 | 17,5 | 12,7 | 10 | 6,35 |
| 350 | 207504 | 3/4-16 | 22 | 14,8 | 11,1 | 7,95 |
| | 207505 | 7/8-14 | 25,5 | 16,5 | 12,7 | 9,52 |
| | 207506 | 1 1/16-12 | 32 | 19,5 | 15,1 | 14,3 |
| 290 | 207507 | 1 5/8-12 | 38 | 19,5 | 15,1 | 15,88 |
| 240 | 207508 | 1 5/8-12 | 48 | 19,5 | 15,1 | 19,05 |
| | 207509 | 1 7/8-12 | 54 | 19,5 | 15,1 | 19,05 |

ZŁĄCZE PROSTE Z GWINTEM ZEWNĘTRZNYM STÓŻKOWYM BSPT

MALE STRAIGHT ADAPTER - THREAD BSPT TAPER (KEG)

3001...

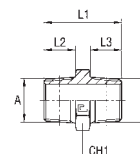


| Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Body)* | A | B | L1 | L2 | L3 | CH1 |
|-----------------|--|-------|-------|------|------|------|-----|
| 350 | 300101 | 1/8 | 1/8 | 25 | 10 | 10 | 12 |
| | 300102 | 1/8 | 1/4 | 30,5 | 10 | 14,5 | 14 |
| | 300103 | 1/4 | 1/4 | 35 | 14,5 | 14,5 | 14 |
| 250 | 300104 | 1/4 | 3/8 | 35 | 14,5 | 14,5 | 17 |
| | 300105 | 3/8 | 3/8 | 35 | 14,5 | 14,5 | 17 |
| | 300106 | 3/8 | 1/2 | 40,5 | 14,5 | 19 | 22 |
| 225 | 300107 | 1/2 | 1/2 | 45 | 19 | 19 | 22 |
| | 300108 | 1/2 | 3/4 | 47 | 19 | 19 | 27 |
| | 300109 | 3/4 | 3/4 | 47 | 19 | 19 | 27 |
| 200 | 300110 | 3/4 | 1 | 53 | 19 | 24 | 36 |
| | 300111 | 1 | 1 | 58 | 24 | 24 | 36 |
| | 300112 | 1 1/4 | 1 1/4 | 62 | 25 | 25 | 46 |
| 160 | 300113 | 1 1/2 | 1 1/2 | 66 | 26 | 26 | 50 |
| | 300114 | 2 | 2 | 69 | 26 | 26 | 65 |
| | 300115 | 3/8 | 1/8 | 30,5 | 14,5 | 10 | 17 |
| 250 | 300116 | 1/2 | 1/4 | 40,5 | 19 | 14,5 | 22 |
| 225 | 300117 | 3/4 | 1/4 | 42,5 | 19 | 14,5 | 27 |
| 200 | 300118 | 1 1/4 | 1 | 61 | 25 | 24 | 46 |

ZŁĄCZE PROSTE Z GWINTEM ZEWNĘTRZNYM NPT

MALE STRAIGHT ADAPTER - THREAD NPT

3002...

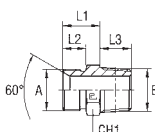


| Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Body)* | A | B | L1 | L2 | L3 | CH1 |
|-----------------|--|-------|-------|------|------|------|-----|
| 350 | 300201 | 1/8 | 1/8 | 26 | 10 | 10 | 12 |
| | 300202 | 1/8 | 1/4 | 30,5 | 10 | 14,5 | 14 |
| | 300203 | 1/4 | 1/4 | 35 | 14,5 | 14,5 | 14 |
| 250 | 300204 | 1/4 | 3/8 | 35 | 14,5 | 14,5 | 17 |
| | 300205 | 3/8 | 3/8 | 35 | 14,5 | 14,5 | 17 |
| | 300206 | 3/8 | 1/2 | 40,5 | 14,5 | 19 | 22 |
| 225 | 300207 | 1/2 | 1/2 | 45 | 19 | 19 | 22 |
| | 300208 | 1/2 | 3/4 | 47 | 19 | 19 | 27 |
| | 300209 | 3/4 | 3/4 | 47 | 19 | 19 | 27 |
| 200 | 300210 | 3/4 | 1 | 53 | 19 | 24 | 36 |
| | 300211 | 1 | 1 | 58 | 24 | 24 | 36 |
| | 300212 | 1 1/4 | 1 1/4 | 62 | 25 | 25 | 46 |
| 160 | 300213 | 1 1/2 | 1 1/2 | 66 | 26 | 26 | 50 |
| | 300214 | 2 | 2 | 69 | 26 | 26 | 65 |
| | 300215 | 3/8 | 1/8 | 30,5 | 14,5 | 10 | 17 |
| 250 | 300216 | 1/2 | 1/4 | 40,5 | 19 | 14,5 | 22 |
| 225 | 300217 | 3/4 | 1/4 | 42,5 | 19 | 14,5 | 27 |
| 200 | 300218 | 1 1/4 | 1 | 61 | 25 | 24 | 46 |

PRZYŁĄCZE PROSTE Z GWINTEM ZEWNĘTRZNYM BSP / STÓŻKOWYM BSPT

MALE STUD STRAIGHT ADAPTER - THREAD BSP PARALLEL / BSP TAPER (KEG)

3003...

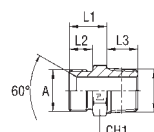


| Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Body)* | A | B | L1 | L2 | L3 | CH1 |
|-----------------|--|-------|-------|----|----|------|-----|
| 350 | 300301 | 1/8 | 1/8 | 13 | 8 | 10 | 12 |
| | 300302 | 1/8 | 1/4 | 14 | 8 | 14,5 | 14 |
| | 300303 | 1/4 | 1/4 | 17 | 11 | 14,5 | 14 |
| 250 | 300304 | 1/4 | 3/8 | 17 | 11 | 14,5 | 17 |
| | 300305 | 3/8 | 3/8 | 18 | 12 | 14,5 | 17 |
| | 300306 | 3/8 | 1/2 | 19 | 12 | 19 | 22 |
| 225 | 300307 | 1/2 | 1/2 | 21 | 14 | 19 | 22 |
| | 300308 | 1/2 | 3/4 | 23 | 14 | 19 | 27 |
| | 300309 | 3/4 | 3/4 | 25 | 16 | 19 | 27 |
| 200 | 300310 | 3/4 | 1 | 26 | 16 | 24 | 36 |
| | 300311 | 1 | 1 | 29 | 19 | 24 | 36 |
| | 300312 | 1 | 1 1/4 | 31 | 19 | 25 | 46 |
| 160 | 300313 | 1 1/4 | 1 1/4 | 32 | 20 | 25 | 46 |
| | 300314 | 1 1/4 | 1 1/2 | 34 | 20 | 26 | 50 |
| | 300315 | 1 1/2 | 1 1/2 | 37 | 23 | 26 | 50 |
| 100 | 300316 | 2 | 2 | 42 | 25 | 26 | 65 |
| 350 | 300317 | 1/4 | 1/8 | 17 | 11 | 10 | 14 |
| 250 | 300318 | 3/8 | 1/4 | 18 | 12 | 14,5 | 17 |
| 225 | 300319 | 1/2 | 3/8 | 21 | 14 | 14,5 | 22 |
| 200 | 300320 | 3/4 | 1/2 | 25 | 16 | 19 | 27 |
| 160 | 300321 | 1 | 3/4 | 29 | 19 | 19 | 36 |

PRZYŁĄCZE PROSTE Z GWINTEM ZEWNĘTRZNYM BSP / NPT

MALE STUD STRAIGHT ADAPTER - THREAD BSP PARALLEL / NPT

3004...

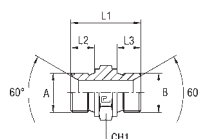


| Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Body)* | A | B | L1 | L2 | L3 | CH1 |
|-----------------|--|-------|-------|----|----|------|-----|
| 350 | 300401 | 1/8 | 1/8 | 13 | 8 | 10 | 12 |
| | 300402 | 1/8 | 1/4 | 14 | 8 | 14,5 | 14 |
| | 300403 | 1/4 | 1/4 | 17 | 11 | 14,5 | 14 |
| 250 | 300404 | 1/4 | 3/8 | 17 | 11 | 14,5 | 17 |
| | 300405 | 3/8 | 3/8 | 18 | 12 | 14,5 | 17 |
| | 300406 | 3/8 | 1/2 | 19 | 12 | 19 | 22 |
| 225 | 300407 | 1/2 | 1/2 | 21 | 14 | 19 | 22 |
| | 300408 | 1/2 | 3/4 | 23 | 14 | 19 | 27 |
| | 300409 | 3/4 | 3/4 | 25 | 16 | 19 | 27 |
| 200 | 300410 | 3/4 | 1 | 26 | 16 | 24 | 36 |
| | 300411 | 1 | 1 | 29 | 19 | 24 | 36 |
| | 300412 | 1 | 1 1/4 | 31 | 19 | 25 | 46 |
| 160 | 300413 | 1 1/4 | 1 1/4 | 32 | 20 | 25 | 46 |
| | 300414 | 1 1/4 | 1 1/2 | 34 | 20 | 26 | 50 |
| | 300415 | 1 1/2 | 1 1/2 | 37 | 23 | 26 | 50 |
| 100 | 300416 | 2 | 2 | 42 | 25 | 26 | 65 |
| 350 | 300417 | 1/4 | 1/8 | 17 | 11 | 10 | 14 |
| 250 | 300418 | 3/8 | 1/4 | 18 | 12 | 14,5 | 17 |
| 225 | 300419 | 1/2 | 3/8 | 21 | 14 | 14,5 | 22 |
| 200 | 300420 | 3/4 | 1/2 | 25 | 16 | 19 | 27 |
| 160 | 300421 | 1 | 3/4 | 29 | 19 | 19 | 36 |

ZŁĄCZE PROSTE Z GWINTEM ZEWNĘTRZNYM BSP

MALE STRAIGHT ADAPTER - THREAD BSP PARALLEL

3005...

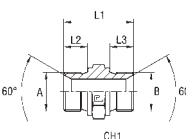


| Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Body)* | A | B | L1 | L2 | L3 | CH1 |
|-----------------|--|--------|-------|------|----|----|-----|
| 400 | 300501 | 1/8 | 1/8 | 24 | 8 | 8 | 14 |
| | 300502 | 1/8 | 1/4 | 28,5 | 8 | 11 | 19 |
| | 300503 | 1/8 | 3/8 | 30 | 8 | 12 | 22 |
| | 300504 | 1/4 | 1/4 | 32 | 11 | 11 | 19 |
| | 300505 | 1/4 | 3/8 | 33,5 | 11 | 12 | 22 |
| 350 | 300506 | 1/4 | 1/2 | 37 | 11 | 14 | 27 |
| 315 | 300507 | 1/4 | 3/4 | 41 | 11 | 16 | 32 |
| 400 | 300508 | 3/8 | 3/8 | 35 | 12 | 12 | 22 |
| 350 | 300509 | 3/8 | 1/2 | 38,5 | 12 | 14 | 27 |
| 315 | 300510 | 3/8 | 3/4 | 42,5 | 12 | 16 | 32 |
| 350 | 300511 | 1/2 | 1/2 | 41 | 14 | 14 | 27 |
| | 300512 | 1/2 | 5/8 | 43 | 14 | 16 | 30 |
| | 315 | 300513 | 1/2 | 3/4 | 45 | 14 | 16 |
| 250 | 300514 | 1/2 | 1 | 49 | 14 | 19 | 41 |
| 200 | 300515 | 1/2 | 1 1/4 | 52 | 14 | 20 | 50 |
| 350 | 300516 | 5/8 | 5/8 | 45 | 16 | 16 | 30 |
| 315 | 300517 | 5/8 | 3/4 | 47 | 16 | 16 | 32 |
| | 300518 | 3/4 | 3/4 | 47 | 16 | 16 | 32 |
| | 250 | 300519 | 3/4 | 1 | 51 | 16 | 19 |
| 200 | 300520 | 3/4 | 1 1/4 | 54 | 16 | 20 | 50 |
| 160 | 300521 | 3/4 | 1 1/2 | 59 | 16 | 23 | 55 |
| 250 | 300522 | 1 | 1 | 54 | 19 | 19 | 41 |
| 200 | 300523 | 1 | 1 1/4 | 57 | 19 | 20 | 50 |
| 100 | 300524 | 1 | 1 1/2 | 62 | 19 | 23 | 55 |
| 125 | 300525 | 1 | 2 | 67,5 | 19 | 25 | 70 |
| 200 | 300526 | 1 1/4 | 1 1/4 | 58 | 20 | 20 | 50 |
| 160 | 300527 | 1 1/4 | 1 1/2 | 63 | 20 | 23 | 55 |
| 125 | 300528 | 1 1/4 | 2 | 68,5 | 20 | 25 | 70 |
| 160 | 300529 | 1 1/2 | 1 1/2 | 66 | 23 | 23 | 55 |
| 125 | 300530 | 1 1/2 | 2 | 71,5 | 23 | 25 | 70 |
| | 300531 | 2 | 2 | 74 | 25 | 25 | 70 |
| | 300532 | 1/8 | 1/2 | 33,5 | 8 | 14 | 27 |
| 350 | 300533 | 1/4 | 5/8 | 39 | 11 | 16 | 30 |
| 250 | 300534 | 1/4 | 1 | 45 | 11 | 19 | 41 |
| 350 | 300535 | 3/8 | 5/8 | 40,5 | 12 | 16 | 30 |
| 250 | 300536 | 3/8 | 1 | 46,5 | 12 | 19 | 41 |
| 160 | 300537 | 1/2 | 1 1/2 | 57 | 14 | 23 | 55 |
| 250 | 300538 | 5/8 | 1 | 51 | 16 | 19 | 41 |
| 200 | 300539 | 5/8 | 1 1/4 | 54 | 16 | 20 | 50 |

ZŁĄCZE PROSTE Z GWINTEM ZEWNĘTRZNYM METRYCZNYM

MALE STRAIGHT ADAPTER - THREAD METRIC PARALLEL

3006...



| Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Body)* | A | B | L1 | L2 | L3 | CH1 |
|-----------------|--|--------|--------|--------|----|----|-----|
| 400 | 300601 | 10x1 | 10x1 | 24 | 8 | 8 | 14 |
| | 300602 | 12x1,5 | 12x1,5 | 34 | 12 | 12 | 17 |
| | 300603 | 12x1,5 | 14x1,5 | 34 | 12 | 12 | 19 |
| | 300604 | 14x1,5 | 14x1,5 | 34 | 12 | 12 | 19 |
| | 300605 | 14x1,5 | 16x1,5 | 34 | 12 | 12 | 22 |
| | 300606 | 14x1,5 | 18x1,5 | 35,5 | 12 | 12 | 24 |
| | 350 | 300607 | 14x1,5 | 22x1,5 | 38 | 12 | 14 |
| 400 | 300608 | 16x1,5 | 16x1,5 | 34 | 12 | 12 | 22 |
| | 300609 | 16x1,5 | 18x1,5 | 35,5 | 12 | 12 | 24 |
| | 300610 | 16x1,5 | 20x1,5 | 37,5 | 12 | 14 | 27 |
| 350 | 300611 | 16x1,5 | 22x1,5 | 38 | 12 | 14 | 27 |
| | 300612 | 18x1,5 | 18x1,5 | 36 | 12 | 12 | 24 |
| | 300613 | 18x1,5 | 20x1,5 | 38 | 12 | 14 | 27 |
| 350 | 300614 | 20x1,5 | 20x1,5 | 40,5 | 14 | 14 | 27 |
| | 300615 | 20x1,5 | 22x1,5 | 41 | 14 | 14 | 27 |
| | 300616 | 22x1,5 | 22x1,5 | 41 | 14 | 14 | 27 |
| 315 | 300617 | 26x1,5 | 26x1,5 | 45 | 14 | 16 | 32 |
| | 300618 | 26x1,5 | 28x1,5 | 47 | 16 | 16 | 32 |
| | 300619 | 26x1,5 | 30x1,5 | 48 | 16 | 16 | 36 |
| 250 | 300620 | 30x1,5 | 30x1,5 | 48 | 16 | 16 | 36 |
| | 300621 | 30x1,5 | 38x1,5 | 50 | 16 | 16 | 46 |
| 200 | 300622 | 38x1,5 | 38x1,5 | 50 | 16 | 16 | 46 |
| | 300623 | 38x1,5 | 45x1,5 | 52 | 16 | 16 | 55 |
| 160 | 300624 | 45x1,5 | 45x1,5 | 52 | 16 | 16 | 55 |

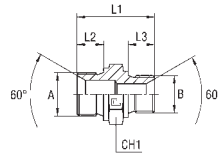
* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 30.. na 31.. np. 308601 na 318601.
 * Note: If you wish to order a fitting in stainless steel, please change the first two digit from 30.. to 31.. ex. 308601 to 318601

ZŁĄCZE PROSTE Z GWINTEM ZEWNĘTRZNYM BSP / METRYCZNYM

MALE STRAIGHT ADAPTER - THREAD BSP PARALLEL / METRIC PARALLEL

3007...



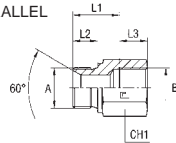
| Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Body)* | A | B | L1 | L2 | L3 | CH1 |
|-----------------|--|-------|--------|------|----|----|-----|
| 400 | 300701 | 1/8 | 10x1 | 24 | 8 | 8 | 14 |
| | 300702 | 1/8 | 14x1,5 | 29,5 | 8 | 12 | 19 |
| | 300703 | 1/4 | 10x1 | 28,5 | 11 | 8 | 19 |
| | 300704 | 1/4 | 12x1,5 | 33 | 11 | 12 | 19 |
| | 300705 | 1/4 | 14x1,5 | 33 | 11 | 12 | 19 |
| | 300706 | 3/8 | 10x1 | 30 | 12 | 8 | 22 |
| | 300707 | 3/8 | 12x1,5 | 34,5 | 12 | 12 | 22 |
| | 300708 | 3/8 | 14x1,5 | 34,5 | 12 | 12 | 22 |
| | 300709 | 3/8 | 16x1,5 | 34,5 | 12 | 12 | 22 |
| | 300710 | 3/8 | 18x1,5 | 36 | 12 | 12 | 24 |
| 350 | 300711 | 3/8 | 22x1,5 | 39,5 | 12 | 14 | 27 |
| | 300712 | 1/2 | 14x1,5 | 38 | 14 | 12 | 27 |
| | 300713 | 1/2 | 16x1,5 | 38 | 14 | 12 | 27 |
| | 300714 | 1/2 | 18x1,5 | 38,5 | 14 | 12 | 27 |
| | 300715 | 1/2 | 20x1,5 | 40,5 | 14 | 14 | 27 |
| | 300716 | 1/2 | 22x1,5 | 41 | 14 | 14 | 27 |
| | 300717 | 5/8 | 18x1,5 | 40,5 | 16 | 12 | 30 |
| | 300718 | 5/8 | 20x1,5 | 42,5 | 16 | 14 | 30 |
| | 300719 | 5/8 | 22x1,5 | 43 | 16 | 14 | 30 |
| | 300720 | 3/4 | 18x1,5 | 42,5 | 16 | 12 | 32 |
| 315 | 300721 | 3/4 | 20x1,5 | 44,5 | 16 | 14 | 32 |
| | 300722 | 3/4 | 22x1,5 | 45 | 16 | 14 | 32 |
| | 300723 | 3/4 | 26x1,5 | 47 | 16 | 16 | 32 |
| | 300724 | 3/4 | 30x1,5 | 48 | 16 | 16 | 36 |
| 250 | 300725 | 1 | 26x1,5 | 51 | 19 | 16 | 41 |
| | 300726 | 1 | 30x1,5 | 51 | 19 | 16 | 41 |
| | 300727 | 1 | 38x1,5 | 53 | 19 | 16 | 46 |
| 200 | 300728 | 1 1/4 | 30x1,5 | 54 | 20 | 16 | 50 |
| | 300729 | 1 1/4 | 38x1,5 | 54 | 20 | 16 | 50 |
| 160 | 300730 | 1 1/2 | 38x1,5 | 59 | 23 | 16 | 55 |
| | 300731 | 1 1/2 | 45x1,5 | 59 | 23 | 16 | 55 |
| 125 | 300732 | 2 | 45x1,5 | 64,5 | 25 | 16 | 70 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

ZŁĄCZE PROSTE Z GWINTEM ZEWNĘTRZNYM I WĘWNĘTRZNYM METRYCZNYM

MALE FEMALE STRAIGHT ADAPTER - THREAD METRIC PARALLEL

3009...



| Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Body)* | A | B | L1 | L2 | L3 | CH1 | |
|-----------------|--|--------|--------|--------|----|------|-----|----|
| 350 | 300901 | 10x1 | 10x1 | 18 | 8 | 10 | 14 | |
| | 300902 | 10x1 | 10x1 | 28 | 8 | 10 | 14 | |
| | 300903 | 12x1,5 | 12x1,5 | 15,5 | 12 | 14,5 | 17 | |
| | 300904 | 12x1,5 | 12x1,5 | 25,5 | 12 | 14,5 | 17 | |
| | 300905 | 14x1,5 | 14x1,5 | 18,5 | 12 | 14,5 | 19 | |
| | 300906 | 14x1,5 | 14x1,5 | 28,5 | 12 | 14,5 | 19 | |
| | 300907 | 16x1,5 | 16x1,5 | 20,5 | 12 | 14,5 | 22 | |
| | 300908 | 16x1,5 | 16x1,5 | 30,5 | 12 | 14,5 | 22 | |
| | 300909 | 18x1,5 | 18x1,5 | 20,5 | 12 | 14,5 | 24 | |
| | 300910 | 18x1,5 | 18x1,5 | 35,5 | 12 | 14,5 | 24 | |
| | 300911 | 20x1,5 | 20x1,5 | 20,5 | 14 | 16,5 | 27 | |
| | 300912 | 20x1,5 | 20x1,5 | 33,5 | 14 | 16,5 | 27 | |
| | 300913 | 22x1,5 | 22x1,5 | 23,5 | 14 | 16,5 | 27 | |
| | 300914 | 22x1,5 | 22x1,5 | 33,5 | 14 | 16,5 | 27 | |
| | 300915 | 26x1,5 | 26x1,5 | 26,5 | 16 | 18,5 | 32 | |
| | 300916 | 26x1,5 | 26x1,5 | 41,5 | 16 | 18,5 | 32 | |
| | 250 | 300917 | 30x1,5 | 30x1,5 | 36 | 16 | 19 | 36 |
| | | 300918 | 30x1,5 | 30x1,5 | 66 | 16 | 19 | 36 |

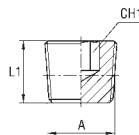
* Dla systemu uszczelnień z wykorzystaniem miedzianych uszczelnień proszę zapoznać się z parametrem "Ciśnienie" w elemencie oznaczonym numerem 3001...
* For copper washer sealing systems refer to items 3001... pressure rates

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

KOREK Z GWINTEM NPT Z GNAZDEM IMBUSOWYM

PLUG WITH HEXAGON SOCKET HEAD - THREAD NPT

3011...



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|-------|------|-------|
| 350 | 301101 | 1/8 | 7,4 | 4,78 |
| | 301102 | 1/4 | 11,3 | 6,35 |
| | 301103 | 3/8 | 11,3 | 7,95 |
| 250 | 301104 | 1/2 | 15 | 9,52 |
| 200 | 301105 | 3/4 | 15,3 | 14,3 |
| | 301106 | 1 | 19 | 15,88 |
| 160 | 301107 | 1 1/4 | 20,3 | 19,05 |
| | 301108 | 1 1/2 | 21 | 25,4 |

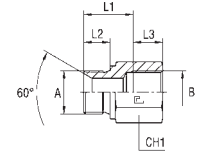
* Dla systemu uszczelnień z wykorzystaniem miedzianych uszczelnień proszę zapoznać się z parametrem "Ciśnienie" w elemencie oznaczonym numerem 3001...
* For copper washer sealing systems refer to items 3001... pressure rates

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 30.. na 31.. np. 308601 na 318601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 30.. to 31.. ex. 308601 to 318601

ZŁĄCZE PROSTE Z GWINTEM ZEWNĘTRZNYM I WĘWNĘTRZNYM BSP

MALE FEMALE STRAIGHT ADAPTER - THREAD BSP PARALLEL

3008...

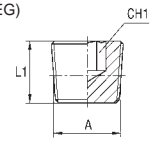


| Ciśnienie (Bar) | Kod zamówienia kompletu (Ordering Body)* | A | B | L1 | L2 | L3 | CH1 |
|-----------------|--|-----|-----|------|----|------|-----|
| 350 | 300801 | 1/8 | 1/8 | 18 | 8 | 10 | 14 |
| | 300802 | 1/8 | 1/8 | 28 | 8 | 10 | 14 |
| | 300803 | 1/8 | 1/8 | 38 | 8 | 10 | 14 |
| | 300804 | 1/4 | 1/4 | 18 | 11 | 14 | 19 |
| | 300805 | 1/4 | 1/4 | 27 | 11 | 14 | 19 |
| | 300806 | 1/4 | 1/4 | 40 | 11 | 14 | 19 |
| | 300807 | 1/4 | 1/4 | 45 | 11 | 14 | 19 |
| | 300808 | 3/8 | 3/8 | 18 | 12 | 14 | 22 |
| | 300809 | 3/8 | 3/8 | 31 | 12 | 14 | 22 |
| | 300810 | 3/8 | 3/8 | 36 | 12 | 14 | 22 |
| | 300811 | 3/8 | 3/8 | 43 | 12 | 14 | 22 |
| | 300812 | 1/2 | 1/2 | 20 | 14 | 17 | 27 |
| | 300813 | 1/2 | 1/2 | 23 | 14 | 17 | 27 |
| | 300814 | 1/2 | 1/2 | 33 | 14 | 17 | 27 |
| | 300815 | 1/2 | 1/2 | 43 | 14 | 17 | 27 |
| | 300816 | 1/2 | 1/2 | 63 | 14 | 17 | 27 |
| 315 | 300817 | 3/4 | 3/4 | 29 | 16 | 19 | 36 |
| | 300818 | 3/4 | 3/4 | 37 | 16 | 19 | 36 |
| | 300819 | 3/4 | 3/4 | 54 | 16 | 19 | 36 |
| 250 | 300820 | 1 | 1 | 32,5 | 19 | 21,5 | 41 |
| | 300821 | 1 | 1 | 62,5 | 19 | 21,5 | 41 |

KOREK Z GWINTEM STOŻKOWYM BSPT Z GNAZDEM IMBUSOWYM

PLUG WITH HEXAGON SOCKET HEAD - THREAD BSP TAPER (KEG)

3010...

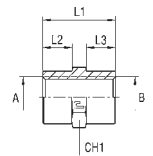


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|-------|----|-----|
| 350 | 301001 | 1/8 | 8 | 5 |
| | 301002 | 1/4 | 10 | 7 |
| | 301003 | 3/8 | 10 | 8 |
| 250 | 301004 | 1/2 | 10 | 10 |
| 200 | 301005 | 3/4 | 12 | 12 |
| | 301006 | 1 | 12 | 17 |
| 160 | 301007 | 1 1/4 | 18 | 22 |
| | 301008 | 1 1/2 | 20 | 24 |

ŁĄCZNIK PROSTY Z GWINTEM WĘWNĘTRZNYM BSP

FEMALE STRAIGHT ADAPTER - THREAD BSP PARALLEL

3012...

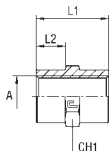


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | L3 | CH1 |
|-----------------|---|-------|-------|----|----|----|-----|
| 350 | 301201 | 1/8 | 1/8 | 20 | 7 | 7 | 14 |
| | 301202 | 1/4 | 1/4 | 30 | 12 | 12 | 19 |
| | 301203 | 3/8 | 3/8 | 30 | 12 | 12 | 24 |
| 225 | 301204 | 1/2 | 1/2 | 38 | 15 | 15 | 27 |
| | 301205 | 3/4 | 3/4 | 40 | 15 | 15 | 36 |
| | 301206 | 1 | 1 | 48 | 19 | 19 | 41 |
| 160 | 301207 | 1 1/4 | 1 1/4 | 50 | 19 | 19 | 55 |
| | 301208 | 1 1/2 | 1 1/2 | 50 | 18 | 18 | 60 |
| 350 | 301209 | 1/8 | 1/4 | 25 | 7 | 12 | 19 |
| | 301210 | 1/8 | 3/8 | 25 | 7 | 12 | 24 |
| 250 | 301211 | 1/4 | 3/8 | 30 | 12 | 12 | 24 |
| | 301212 | 1/4 | 1/2 | 35 | 12 | 15 | 27 |
| 200 | 301213 | 1/4 | 3/4 | 37 | 12 | 15 | 36 |
| | 301214 | 3/8 | 1/2 | 35 | 12 | 15 | 27 |
| 200 | 301215 | 1/2 | 3/4 | 40 | 15 | 15 | 36 |

ŁĄCZNIK PROSTY Z GWINTEM WEWNĘTRZNYM METRYCZNYM

FEMALE STRAIGHT ADAPTER - THREAD METRIC PARALLEL

3013...



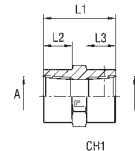
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | L2 | CH1 |
|-----------------|---|--------|----|----|-----|
| 350 | 301301 | 10x1 | 20 | 7 | 14 |
| | 301302 | 14x1.5 | 30 | 12 | 19 |
| 250 | 301303 | 16x1.5 | 30 | 12 | 24 |
| | 301304 | 22x1.5 | 38 | 15 | 27 |
| 200 | 301305 | 27x2 | 40 | 15 | 36 |
| | 301306 | 33x2 | 48 | 19 | 41 |
| 160 | 301307 | 42x2 | 50 | 19 | 55 |
| | 301308 | 48x2 | 50 | 18 | 60 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

ŁĄCZNIK PROSTY Z GWINTEM WEWNĘTRZNYM STÓŻKOWYM BSPT

FEMALE STRAIGHT ADAPTER - THREAD BSP TAPER (KEG)

3014...



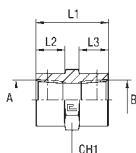
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | L3 | CH1 |
|-----------------|---|-------|-------|----|----|----|-----|
| 350 | 301401 | 1/8 | 1/8 | 20 | 7 | 7 | 14 |
| | 301402 | 1/4 | 1/4 | 30 | 12 | 12 | 19 |
| 250 | 301403 | 3/8 | 3/8 | 30 | 12 | 12 | 24 |
| | 301404 | 1/2 | 1/2 | 38 | 15 | 15 | 27 |
| 200 | 301405 | 3/4 | 3/4 | 40 | 15 | 15 | 36 |
| | 301406 | 1 | 1 | 48 | 19 | 19 | 41 |
| 160 | 301407 | 1 1/4 | 1 1/4 | 60 | 24 | 24 | 50 |
| | 301408 | 1 1/2 | 1 1/2 | 60 | 23 | 23 | 60 |
| 350 | 301409 | 1/8 | 1/4 | 25 | 7 | 12 | 19 |
| | 301410 | 1/8 | 3/8 | 25 | 7 | 12 | 24 |
| 250 | 301411 | 1/4 | 3/8 | 30 | 12 | 12 | 24 |
| | 301412 | 1/4 | 1/2 | 35 | 12 | 15 | 27 |
| 200 | 301413 | 1/4 | 3/4 | 37 | 12 | 15 | 36 |
| | 301414 | 3/8 | 1/2 | 35 | 12 | 15 | 27 |
| 200 | 301415 | 1/2 | 3/4 | 40 | 15 | 15 | 36 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

ŁĄCZNIK PROSTY Z GWINTEM WEWNĘTRZNYM NPT

FEMALE STRAIGHT ADAPTER - THREAD NPT

3015...



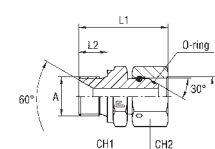
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | L3 | CH1 |
|-----------------|---|-------|-------|----|----|----|-----|
| 350 | 301501 | 1/8 | 1/8 | 20 | 7 | 7 | 14 |
| | 301502 | 1/4 | 1/4 | 30 | 12 | 12 | 19 |
| 250 | 301503 | 3/8 | 3/8 | 30 | 12 | 12 | 24 |
| | 301504 | 1/2 | 1/2 | 38 | 15 | 15 | 27 |
| 200 | 301505 | 3/4 | 3/4 | 40 | 15 | 15 | 36 |
| | 301506 | 1 | 1 | 48 | 19 | 19 | 41 |
| 160 | 301507 | 1 1/4 | 1 1/4 | 60 | 24 | 24 | 50 |
| | 301508 | 1 1/2 | 1 1/2 | 60 | 23 | 23 | 60 |
| 350 | 301509 | 1/8 | 1/4 | 25 | 7 | 12 | 19 |
| | 301510 | 1/8 | 3/8 | 25 | 7 | 12 | 24 |
| 250 | 301511 | 1/4 | 3/8 | 30 | 12 | 12 | 24 |
| | 301512 | 1/4 | 1/2 | 35 | 12 | 15 | 27 |
| 200 | 301513 | 1/4 | 3/4 | 37 | 12 | 15 | 36 |
| | 301514 | 3/8 | 1/2 | 35 | 12 | 15 | 27 |
| 200 | 301515 | 1/2 | 3/4 | 40 | 15 | 15 | 36 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

ZŁĄCZE PROSTE NAKRĘTNE Z GWINTEM BSP

STRAIGHT ADAPTER WITH SWIVEL NUT - THREAD BSP PARALLEL

3016...



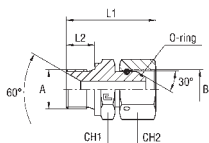
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|-------|-------|------|----|-----|-----|
| 400 | 301601 | 1/8 | 1/8 | 28 | 8 | 14 | 14 |
| | 301602 | 1/4 | 1/4 | 36 | 11 | 19 | 19 |
| | 301603 | 3/8 | 3/8 | 39 | 12 | 22 | 22 |
| 350 | 301604 | 1/2 | 1/2 | 45 | 14 | 27 | 27 |
| | 301605 | 5/8 | 5/8 | 51 | 16 | 30 | 30 |
| 315 | 301606 | 3/4 | 3/4 | 53 | 16 | 32 | 32 |
| 250 | 301607 | 1 | 1 | 63.5 | 19 | 41 | 41 |
| 200 | 301608 | 1 1/4 | 1 1/4 | 67 | 20 | 50 | 50 |
| 160 | 301609 | 1 1/2 | 1 1/2 | 77.5 | 23 | 55 | 55 |
| 125 | 301610 | 2 | 2 | 87 | 25 | 70 | 70 |
| 400 | 301611 | 1/4 | 3/8 | 37 | 11 | 19 | 22 |
| | 301612 | 3/8 | 1/4 | 38 | 12 | 22 | 19 |
| 350 | 301613 | 3/8 | 1/2 | 42 | 12 | 22 | 27 |
| | 301614 | 1/2 | 1/4 | 41 | 14 | 27 | 19 |
| | 301615 | 1/2 | 3/8 | 42 | 14 | 27 | 22 |
| 315 | 301616 | 1/2 | 3/4 | 49 | 14 | 27 | 32 |
| | 301617 | 3/4 | 1/2 | 49 | 16 | 32 | 27 |
| 250 | 301618 | 1 | 3/4 | 57 | 19 | 41 | 32 |

* Dla systemu uszczelnień z wykorzystaniem miedzianych uszczelnień proszę zapoznać się z parametrem "Ciśnienie" w elemencie oznaczonym numerem 3001...
* For copper washer sealing systems refer to items 3001... pressure rates

ZŁĄCZE PROSTE NAKRĘTNE Z GWINTEM METRYCZNYM

STRAIGHT ADAPTER WITH SWIVEL NUT - THREAD METRIC PARALLEL

3017...



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|--------|--------|------|----|-----|-----|
| 400 | 301701 | 12x1.5 | 12x1.5 | 35 | 12 | 17 | 17 |
| | 301702 | 14x1.5 | 14x1.5 | 37 | 12 | 19 | 19 |
| | 301703 | 16x1.5 | 16x1.5 | 38 | 12 | 22 | 22 |
| | 301704 | 18x1.5 | 18x1.5 | 41 | 12 | 24 | 24 |
| 350 | 301705 | 20x1.5 | 20x1.5 | 46 | 14 | 27 | 27 |
| | 301706 | 22x1.5 | 22x1.5 | 47 | 14 | 27 | 27 |
| 315 | 301707 | 26x1.5 | 26x1.5 | 53.5 | 16 | 32 | 32 |
| 250 | 301708 | 30x1.5 | 30x1.5 | 66.5 | 16 | 36 | 36 |

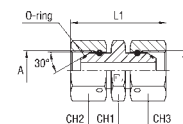
* Dla systemu uszczelnień z wykorzystaniem miedzianych uszczelnień proszę zapoznać się z parametrem "Ciśnienie" w elemencie oznaczonym numerem 3001...
* For copper washer sealing systems refer to items 3001... pressure rates

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

ZŁĄCZE PROSTE OBUSTRONNIE NAKRĘTNE Z GWINTEM BSP

STRAIGHT ADAPTER WITH DOUBLE SWIVEL NUT - THREAD BSP PARALLEL

3018...



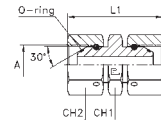
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | CH1 | CH2 | CH3 |
|-----------------|---|-------|-------|------|-----|-----|-----|
| 400 | 301801 | 1/8 | 1/8 | 31.5 | 14 | 14 | 14 |
| | 301802 | 1/4 | 1/4 | 40.5 | 19 | 19 | 19 |
| | 301803 | 3/8 | 3/8 | 42.5 | 22 | 22 | 22 |
| 350 | 301804 | 1/2 | 1/2 | 49.5 | 27 | 27 | 27 |
| | 301805 | 5/8 | 5/8 | 55 | 30 | 30 | 30 |
| 315 | 301806 | 3/4 | 3/4 | 59 | 32 | 32 | 32 |
| 250 | 301807 | 1 | 1 | 73 | 41 | 41 | 41 |
| 200 | 301808 | 1 1/4 | 1 1/4 | 76 | 50 | 50 | 50 |
| 160 | 301809 | 1 1/2 | 1 1/2 | 89 | 55 | 55 | 55 |
| 125 | 301810 | 2 | 2 | 99 | 70 | 70 | 70 |
| 400 | 301811 | 1/4 | 3/8 | 41.5 | 22 | 19 | 22 |
| | 301812 | 1/4 | 1/2 | 45.5 | 27 | 19 | 27 |
| 350 | 301813 | 3/8 | 1/2 | 46 | 27 | 22 | 27 |
| | 301814 | 1/2 | 3/4 | 55 | 32 | 27 | 32 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 30.. na 31.. np. 308601 na 318601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 30.. to 31.. ex. 308601 to 318601

ZŁĄCZE PROSTE OBUSTRONNIE NAKRĘTNE Z GWINTEM METRYCZNYM

STRAIGHT ADAPTER WITH DOUBLE SWIVEL NUT - THREAD METRIC PARALLEL

3019...



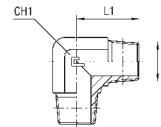
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 | CH2 |
|-----------------|---|--------|------|-----|-----|
| 400 | 301901 | 12x1,5 | 36 | 17 | 17 |
| | 301902 | 14x1,5 | 40,5 | 19 | 19 |
| | 301903 | 16x1,5 | 42 | 22 | 22 |
| | 301904 | 18x1,5 | 45 | 24 | 24 |
| 350 | 301905 | 20x1,5 | 51,5 | 27 | 27 |
| | 301906 | 22x1,5 | 53 | 27 | 27 |
| 315 | 301907 | 26x1,5 | 59,5 | 32 | 32 |
| 250 | 301908 | 30x1,5 | 64 | 36 | 36 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE KOLANOWE Z GWINTEM NPT

MALE 90° ADAPTER - THREAD NPT

3021...



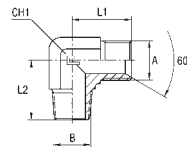
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|-------|------|-----|
| 350 | 302101 | 1/8 | 20 | 11 |
| | 302102 | 1/4 | 28 | 14 |
| 250 | 302103 | 3/8 | 31 | 19 |
| 225 | 302104 | 1/2 | 37,5 | 22 |
| 200 | 302105 | 3/4 | 40 | 27 |
| 160 | 302106 | 1 | 50 | 33 |
| | 302107 | 1 1/4 | 60 | 41 |
| 100 | 302108 | 1 1/2 | 67 | 48 |
| | 302109 | 2 | 76 | 65 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE KOLANOWE Z GWINTEM BSP / NPT

MALE STUD 90° ADAPTER - THREAD BSP PARALLEL / NPT

3023...



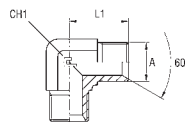
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 |
|-----------------|---|-------|-------|----|------|-----|
| 350 | 302301 | 1/8 | 1/8 | 21 | 20 | 11 |
| | 302302 | 1/4 | 1/4 | 26 | 28 | 14 |
| 250 | 302303 | 3/8 | 3/8 | 29 | 31 | 19 |
| 225 | 302304 | 1/2 | 1/2 | 34 | 37,5 | 22 |
| 200 | 302305 | 5/8 | 1/2 | 38 | 40 | 27 |
| | 302306 | 3/4 | 3/4 | 41 | 40 | 27 |
| 160 | 302307 | 1 | 1 | 45 | 50 | 33 |
| | 302308 | 1 1/4 | 1 1/4 | 52 | 60 | 41 |
| 100 | 302309 | 1 1/2 | 1 1/2 | 59 | 67 | 48 |
| | 302310 | 2 | 2 | 78 | 76 | 65 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

ZŁĄCZE KOLANOWE Z GWINTEM METRYCZNYM

MALE 90° UNION ELBOW ADAPTER - THREAD METRIC PARALLEL

3025...



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|--------|----|-----|
| 400 | 302501 | 10x1 | 21 | 11 |
| | 302502 | 12x1,5 | 21 | 11 |
| | 302503 | 14x1,5 | 26 | 14 |
| | 302504 | 16x1,5 | 29 | 19 |
| | 302505 | 18x1,5 | 29 | 19 |
| 350 | 302506 | 20x1,5 | 34 | 22 |
| | 302507 | 22x1,5 | 34 | 22 |
| 315 | 302508 | 26x1,5 | 41 | 27 |
| 250 | 302509 | 30x1,5 | 45 | 33 |

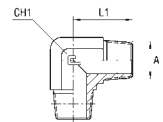
* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 30.. na 31.. np. 308601 na 318601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 30.. to 31.. ex. 308601 to 318601

PRZYŁĄCZE KOLANOWE Z GWINTEM STOŻKOWYM BSPT

MALE 90° ADAPTER - THREAD BSP TAPER (KEG)

3020...

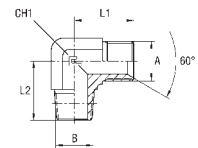


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|-------|------|-----|
| 350 | 302001 | 1/8 | 20 | 11 |
| | 302002 | 1/4 | 28 | 14 |
| 250 | 302003 | 3/8 | 31 | 19 |
| 225 | 302004 | 1/2 | 37,5 | 22 |
| 200 | 302005 | 3/4 | 40 | 27 |
| 160 | 302006 | 1 | 50 | 33 |
| | 302007 | 1 1/4 | 60 | 41 |
| 100 | 302008 | 1 1/2 | 67 | 48 |
| | 302009 | 2 | 76 | 65 |

PRZYŁĄCZE KOLANOWE Z GWINTEM BSP / STOŻKOWYM BSPT

MALE STUD 90° ADAPTER - THREAD BSP PARALLEL / BSP TAPER (KEG)

3022...

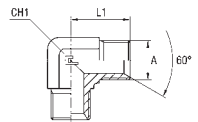


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 |
|-----------------|---|-------|-------|----|------|-----|
| 350 | 302201 | 1/8 | 1/8 | 21 | 20 | 11 |
| | 302202 | 1/4 | 1/4 | 26 | 28 | 14 |
| 250 | 302203 | 3/8 | 3/8 | 29 | 31 | 19 |
| 225 | 302204 | 1/2 | 1/2 | 34 | 37,5 | 22 |
| 200 | 302205 | 5/8 | 1/2 | 38 | 40 | 27 |
| | 302206 | 3/4 | 3/4 | 41 | 40 | 27 |
| 160 | 302207 | 1 | 1 | 45 | 50 | 33 |
| | 302208 | 1 1/4 | 1 1/4 | 52 | 60 | 41 |
| 100 | 302209 | 1 1/2 | 1 1/2 | 59 | 67 | 48 |
| | 302210 | 2 | 2 | 78 | 76 | 65 |

ZŁĄCZE KOLANOWE Z GWINTEM BSP

MALE STUD 90° UNION ELBOW ADAPTER - THREAD BSP PARALLEL

3024...

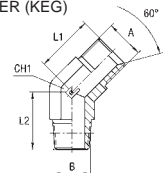


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|-------|----|-----|
| 400 | 302401 | 1/8 | 21 | 11 |
| | 302402 | 1/4 | 26 | 14 |
| | 302403 | 3/8 | 29 | 19 |
| 350 | 302404 | 1/2 | 34 | 22 |
| | 302405 | 5/8 | 38 | 27 |
| 315 | 302406 | 3/4 | 41 | 27 |
| 250 | 302407 | 1 | 45 | 33 |
| 200 | 302408 | 1 1/4 | 52 | 41 |
| 160 | 302409 | 1 1/2 | 59 | 48 |
| 125 | 302410 | 2 | 78 | 65 |

PRZYŁĄCZE KOLANOWE 45° Z GWINTEM BSP / STOŻKOWYM BSPT

MALE STUD 45° ADAPTER - THREAD BSP PARALLEL / BSP TAPER (KEG)

3026...

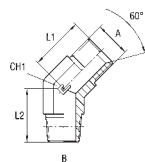


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 |
|-----------------|---|-------|-------|------|------|-----|
| 350 | 302601 | 1/8 | 1/8 | 20,5 | 16,5 | 11 |
| | 302602 | 1/4 | 1/4 | 21 | 22 | 14 |
| | 302603 | 3/8 | 3/8 | 23,5 | 24 | 19 |
| 250 | 302604 | 1/2 | 1/2 | 26 | 29,5 | 22 |
| 200 | 302605 | 5/8 | 1/2 | 29 | 30,5 | 27 |
| | 302606 | 3/4 | 3/4 | 32 | 30,5 | 27 |
| 160 | 302607 | 1 | 1 | 37 | 38 | 33 |
| | 302608 | 1 1/4 | 1 1/4 | 39 | 42 | 41 |
| 100 | 302609 | 1 1/2 | 1 1/2 | 46 | 45 | 48 |
| | 302610 | 2 | 2 | 57 | 54 | 65 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE KOLANOWE 45° Z GWINTEM BSP / NPT
 MALE STUD 45° ADAPTER - THREAD BSP PARALLEL / NPT

3027...

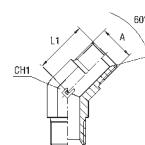


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 |
|-----------------|---|-------|-------|------|------|-----|
| 350 | 302701 | 1/8 | 1/8 | 20,5 | 16,5 | 11 |
| | 302702 | 1/4 | 1/4 | 21 | 22 | 14 |
| 250 | 302703 | 3/8 | 3/8 | 23,5 | 24 | 19 |
| 225 | 302704 | 1/2 | 1/2 | 26 | 29,5 | 22 |
| 200 | 302705 | 5/8 | 1/2 | 29 | 30,5 | 27 |
| | 302706 | 3/4 | 3/4 | 32 | 30,5 | 27 |
| 160 | 302707 | 1 | 1 | 37 | 38 | 33 |
| | 302708 | 1 1/4 | 1 1/4 | 39 | 42 | 41 |
| | 302709 | 1 1/2 | 1 1/2 | 46 | 45 | 48 |
| 100 | 302710 | 2 | 2 | 57 | 54 | 65 |

* Elementy dostępne wyłącznie na zamówienie
 (Articles available on request only)

ZŁĄCZE KOLANOWE 45° Z GWINTEM METRYCZNYM
 MALE 45° UNION ELBOW ADAPTER - THREAD METRIC PARALLEL

3029...



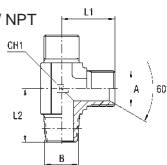
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|--------|----|-----|
| 400 | 302901 | 12x1,5 | 18 | 11 |
| | 302902 | 14x1,5 | 21 | 14 |
| | 302903 | 16x1,5 | 25 | 19 |
| | 302904 | 18x1,5 | 28 | 19 |
| 350 | 302905 | 20x1,5 | 30 | 22 |
| | 302906 | 22x1,5 | 30 | 22 |
| 315 | 302907 | 26x1,5 | 33 | 27 |
| 250 | 302908 | 30x1,5 | 37 | 33 |

* Elementy dostępne wyłącznie na zamówienie
 (Articles available on request only)

PRZYŁĄCZE TRÓJNIKOWE NIESYMETRYCZNE Z GWINTEM BSP/ NPT

MALE STUD BARREL TEE ADAPTER - THREAD BSP PARALLEL / NPT

3031...



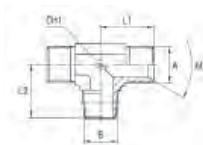
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 |
|-----------------|---|-------|-------|----|------|-----|
| 350 | 303101 | 1/8 | 1/8 | 21 | 20 | 11 |
| | 303102 | 1/4 | 1/4 | 26 | 28 | 14 |
| 250 | 303103 | 3/8 | 3/8 | 29 | 31 | 19 |
| 225 | 303104 | 1/2 | 1/2 | 34 | 37,5 | 22 |
| 200 | 303105 | 5/8 | 1/2 | 38 | 40 | 27 |
| | 303106 | 3/4 | 3/4 | 41 | 40 | 27 |
| 160 | 303107 | 1 | 1 | 45 | 50 | 33 |
| | 303108 | 1 1/4 | 1 1/4 | 52 | 60 | 41 |
| | 303109 | 1 1/2 | 1 1/2 | 59 | 67 | 48 |
| 100 | 303110 | 2 | 2 | 78 | 76 | 65 |

* Elementy dostępne wyłącznie na zamówienie
 (Articles available on request only)

PRZYŁĄCZE TRÓJNIKOWE SYMETRYCZNE Z GWINTEM BSP / NPT

MALE STUD BRANCH TEE ADAPTER - THREAD BSP PARALLEL / NPT

3033...

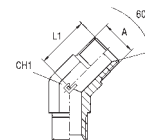


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 |
|-----------------|---|-------|-------|----|------|-----|
| 350 | 303301 | 1/8 | 1/8 | 21 | 20 | 11 |
| | 303302 | 1/4 | 1/4 | 26 | 28 | 14 |
| 250 | 303303 | 3/8 | 3/8 | 29 | 31 | 19 |
| 225 | 303304 | 1/2 | 1/2 | 34 | 37,5 | 22 |
| 200 | 303305 | 5/8 | 1/2 | 38 | 40 | 27 |
| | 303306 | 3/4 | 3/4 | 41 | 40 | 27 |
| 160 | 303307 | 1 | 1 | 45 | 50 | 33 |
| | 303308 | 1 1/4 | 1 1/4 | 52 | 60 | 41 |
| | 303309 | 1 1/2 | 1 1/2 | 59 | 67 | 48 |
| 100 | 303310 | 2 | 2 | 78 | 76 | 65 |

* Elementy dostępne wyłącznie na zamówienie
 (Articles available on request only)

ZŁĄCZE KOLANOWE 45° Z GWINTEM BSP
 MALE 45° UNION ELBOW ADAPTER - THREAD BSP PARALLEL

3028...



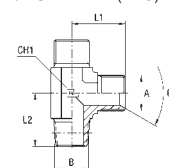
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|-------|------|-----|
| 400 | 302801 | 1/8 | 20,5 | 11 |
| | 302802 | 1/4 | 21 | 14 |
| | 302803 | 3/8 | 23,5 | 19 |
| 350 | 302804 | 1/2 | 26 | 22 |
| | 302805 | 5/8 | 29 | 27 |
| 315 | 302806 | 3/4 | 32 | 27 |
| 250 | 302807 | 1 | 37 | 33 |
| 200 | 302808 | 1 1/4 | 39 | 41 |
| 160 | 302809 | 1 1/2 | 46 | 48 |
| 125 | 302810 | 2 | 57 | 65 |

* Elementy dostępne wyłącznie na zamówienie
 (Articles available on request only)

PRZYŁĄCZE TRÓJNIKOWE NIESYMETRYCZNE Z GWINTEM BSP / STOŻKOWYM BSP

MALE STUD BARREL TEE ADAPTER - THREAD BSP PARALLEL / BSP TAPER (KEG)

3030...



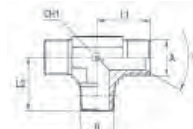
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 |
|-----------------|---|-------|-------|----|------|-----|
| 350 | 303001 | 1/8 | 1/8 | 21 | 20 | 11 |
| | 303002 | 1/4 | 1/4 | 26 | 28 | 14 |
| 250 | 303003 | 3/8 | 3/8 | 29 | 31 | 19 |
| 225 | 303004 | 1/2 | 1/2 | 34 | 37,5 | 22 |
| 200 | 303005 | 5/8 | 1/2 | 38 | 40 | 27 |
| | 303006 | 3/4 | 3/4 | 41 | 40 | 27 |
| 160 | 303007 | 1 | 1 | 45 | 50 | 33 |
| | 303008 | 1 1/4 | 1 1/4 | 52 | 60 | 41 |
| | 303009 | 1 1/2 | 1 1/2 | 59 | 67 | 48 |
| 100 | 303010 | 2 | 2 | 78 | 76 | 65 |

* Elementy dostępne wyłącznie na zamówienie
 (Articles available on request only)

PRZYŁĄCZE TRÓJNIKOWE SYMETRYCZNE Z GWINTEM BSP / STOŻKOWYM BSP

MALE STUD BRANCH TEE ADAPTER - THREAD BSP PARALLEL / BSP TAPER (KEG)

3032...



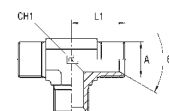
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 |
|-----------------|---|-------|-------|----|------|-----|
| 350 | 303201 | 1/8 | 1/8 | 21 | 20 | 11 |
| | 303202 | 1/4 | 1/4 | 26 | 28 | 14 |
| 250 | 303203 | 3/8 | 3/8 | 29 | 31 | 19 |
| 225 | 303204 | 1/2 | 1/2 | 34 | 37,5 | 22 |
| 200 | 303205 | 5/8 | 1/2 | 38 | 40 | 27 |
| | 303206 | 3/4 | 3/4 | 41 | 40 | 27 |
| 160 | 303207 | 1 | 1 | 45 | 50 | 33 |
| | 303208 | 1 1/4 | 1 1/4 | 52 | 60 | 41 |
| | 303209 | 1 1/2 | 1 1/2 | 59 | 67 | 48 |
| 100 | 303210 | 2 | 2 | 78 | 76 | 65 |

* Elementy dostępne wyłącznie na zamówienie
 (Articles available on request only)

ZŁĄCZE TRÓJNIKOWE Z GWINTEM BSP

MALE EQUAL TEE ADAPTER - THREAD BSP PARALLEL

3034...

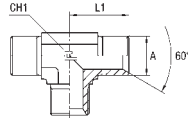


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|-------|----|-----|
| 400 | 303401 | 1/8 | 21 | 11 |
| | 303402 | 1/4 | 26 | 14 |
| | 303403 | 3/8 | 29 | 19 |
| 350 | 303404 | 1/2 | 34 | 22 |
| | 303405 | 5/8 | 38 | 27 |
| 315 | 303406 | 3/4 | 41 | 27 |
| 250 | 303407 | 1 | 45 | 33 |
| 200 | 303408 | 1 1/4 | 52 | 41 |
| 160 | 303409 | 1 1/2 | 59 | 48 |
| 125 | 303410 | 2 | 78 | 65 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 30.. na 31.. np. 308601 na 318601.
 * Note: If you wish to order a fitting in stainless steel, please change the first two digit from 30.. to 31.. ex. 308601 to 318601

ZŁĄCZE TRÓJNIKOWE Z GWINTEM METRYCZNYM MALE EQUAL TEE ADAPTER - THREAD METRIC PARALLEL

3035...

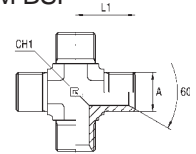


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|--------|----|-----|
| 400 | 303501 | 10x1 | 21 | 11 |
| | 303502 | 12x1,5 | 21 | 11 |
| | 303503 | 14x1,5 | 26 | 14 |
| | 303504 | 16x1,5 | 29 | 19 |
| | 303505 | 18x1,5 | 29 | 19 |
| 350 | 303506 | 20x1,5 | 34 | 22 |
| | 303507 | 22x1,5 | 34 | 22 |
| 315 | 303508 | 26x1,5 | 41 | 27 |
| 250 | 303509 | 30x1,5 | 45 | 33 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

ZŁĄCZE CZWÓRNIKOWE Z GWINTEM BSP MALE EQUAL CROSS ADAPTER - THREAD BSP PARALLEL

3036...

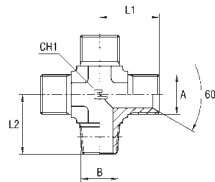


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|-------|----|-----|
| 400 | 303601 | 1/8 | 21 | 11 |
| | 303602 | 1/4 | 26 | 14 |
| | 303603 | 3/8 | 29 | 19 |
| 350 | 303604 | 1/2 | 34 | 22 |
| | 303605 | 5/8 | 38 | 27 |
| 315 | 303606 | 3/4 | 41 | 27 |
| 250 | 303607 | 1 | 45 | 33 |
| 200 | 303608 | 1 1/4 | 52 | 41 |
| 160 | 303609 | 1 1/2 | 59 | 48 |
| 125 | 303610 | 2 | 78 | 65 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE CZWÓRNIKOWE Z GWINTEM BSP / NPT MALE STUD EQUAL CROSS ADAPTER - THREAD BSP PARALLEL / NPT

3037...



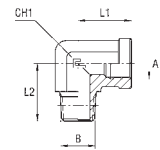
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 |
|-----------------|---|-------|-------|----|------|-----|
| 350 | 303701 | 1/8 | 1/8 | 21 | 20 | 11 |
| | 303702 | 1/4 | 1/4 | 26 | 28 | 14 |
| 250 | 303703 | 3/8 | 3/8 | 29 | 31 | 19 |
| | 303704 | 1/2 | 1/2 | 34 | 37,5 | 22 |
| 200 | 303705 | 5/8 | 1/2 | 38 | 40 | 27 |
| | 303706 | 3/4 | 3/4 | 41 | 40 | 27 |
| 160 | 303707 | 1 | 1 | 45 | 50 | 33 |
| | 303708 | 1 1/4 | 1 1/4 | 52 | 60 | 41 |
| | 303709 | 1 1/2 | 1 1/2 | 59 | 67 | 48 |
| 100 | 303710 | 2 | 2 | 78 | 76 | 65 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE KOLANOWEGO Z GWINTEM WEWNĘTRZNYM I ZEWNĘTRZNYM BSP / STOŻKOWYM BSPT

MALE / FEMALE STUD 90° ADAPTER - THREAD BSP PARALLEL / BSP TAPER (KEG)

3038...

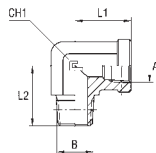


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 |
|-----------------|---|-------|-------|------|------|-----|
| 350 | 303801 | 1/8 | 1/8 | 17 | 20 | 14 |
| | 303802 | 1/4 | 1/4 | 22,5 | 28 | 19 |
| 250 | 303803 | 3/8 | 3/8 | 26 | 31 | 22 |
| 225 | 303804 | 1/2 | 1/2 | 31 | 37,5 | 27 |
| 200 | 303805 | 3/4 | 3/4 | 34,5 | 40 | 33 |
| | 303806 | 1 | 1 | 41 | 50 | 41 |
| 160 | 303807 | 1 1/4 | 1 1/4 | 43 | 60 | 48 |
| | 303808 | 1 1/2 | 1 1/2 | 53 | 67 | 65 |
| | 303809 | 2 | 2 | 61 | 76 | 71 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE KOLANOWE Z GWINTEM WEWNĘTRZNYM I ZEWNĘTRZNYM NPT MALE / FEMALE STUD 90° ADAPTER - THREAD NPT

3039...



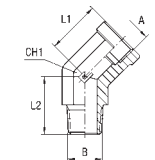
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 |
|-----------------|---|-------|-------|------|------|-----|
| 350 | 303901 | 1/8 | 1/8 | 17 | 20 | 14 |
| | 303902 | 1/4 | 1/4 | 22,5 | 28 | 19 |
| 250 | 303903 | 3/8 | 3/8 | 26 | 31 | 22 |
| 225 | 303904 | 1/2 | 1/2 | 31 | 37,5 | 27 |
| 200 | 303905 | 3/4 | 3/4 | 34,5 | 40 | 33 |
| | 303906 | 1 | 1 | 41 | 50 | 41 |
| 160 | 303907 | 1 1/4 | 1 1/4 | 43 | 60 | 48 |
| | 303908 | 1 1/2 | 1 1/2 | 53 | 67 | 65 |
| | 303909 | 2 | 2 | 61 | 76 | 71 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE KOLANOWE 45° Z GWINTEM WEWNĘTRZNYM I ZEWNĘTRZNYM BSP / STOŻKOWYM BSP

MALE / FEMALE STUD 45° ADAPTER - THREAD BSP PARALLEL / BSP TAPER (KEG)

3040...

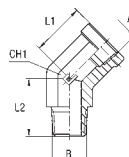


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 |
|-----------------|---|-------|-------|------|------|-----|
| 350 | 304001 | 1/8 | 1/8 | 15,5 | 18 | 14 |
| | 304002 | 1/4 | 1/4 | 21 | 26,5 | 19 |
| 250 | 304003 | 3/8 | 3/8 | 22 | 27 | 22 |
| 225 | 304004 | 1/2 | 1/2 | 26 | 34 | 27 |
| 200 | 304005 | 3/4 | 3/4 | 29,5 | 35 | 33 |
| | 304006 | 1 | 1 | 33 | 44 | 41 |
| 160 | 304007 | 1 1/4 | 1 1/4 | 39 | 45,5 | 48 |
| | 304008 | 1 1/2 | 1 1/2 | 43 | 53 | 65 |
| | 304009 | 2 | 2 | 55 | 57 | 71 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE KOLANOWE 45° Z GWINTEM WEWNĘTRZNYM I ZEWNĘTRZNYM NPT MALE / FEMALE STUD 45° ADAPTER - THREAD NPT

3041...



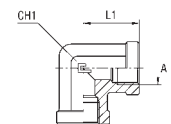
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 |
|-----------------|---|-------|-------|------|------|-----|
| 350 | 304101 | 1/8 | 1/8 | 13 | 18 | 14 |
| | 304102 | 1/4 | 1/4 | 18 | 26,5 | 19 |
| 250 | 304103 | 3/8 | 3/8 | 19,5 | 27 | 22 |
| 225 | 304104 | 1/2 | 1/2 | 24,5 | 25 | 27 |
| 200 | 304105 | 3/4 | 3/4 | 26 | 35 | 33 |
| | 304106 | 1 | 1 | 31 | 44 | 41 |
| 160 | 304107 | 1 1/4 | 1 1/4 | 37 | 45,5 | 48 |
| | 304108 | 1 1/2 | 1 1/2 | 43 | 53 | 65 |
| | 304109 | 2 | 2 | 55 | 57 | 71 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

ŁĄCZNIK KOLANOWY Z GWINTEM WEWNĘTRZNYM BSP

FEMALE 90° ADAPTER - THREAD BSP PARALLEL

3042...



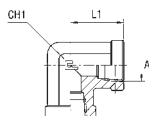
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|-------|------|-----|
| 350 | 304201 | 1/8 | 17 | 14 |
| | 304202 | 1/4 | 22,5 | 19 |
| 250 | 304203 | 3/8 | 26 | 22 |
| 225 | 304204 | 1/2 | 31 | 27 |
| 200 | 304205 | 3/4 | 34,5 | 33 |
| | 304206 | 1 | 41 | 41 |
| 160 | 304207 | 1 1/4 | 43 | 48 |
| | 304208 | 1 1/2 | 53 | 65 |
| | 304209 | 2 | 61 | 71 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 30.. na 31.. np. 308601 na 318601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 30.. to 31.. ex. 308601 to 318601

ŁĄCZNIK KOLANOWY Z GWINTEM WĘWNĘTRZNYM NPT

FEMALE 90° ADAPTER - THREAD NPT

3043...



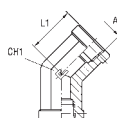
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|-------|------|-----|
| 350 | 304301 | 1/8 | 17 | 14 |
| | 304302 | 1/4 | 22,5 | 19 |
| 250 | 304303 | 3/8 | 26 | 22 |
| 225 | 304304 | 1/2 | 31 | 27 |
| 200 | 304305 | 3/4 | 34,5 | 33 |
| 160 | 304306 | 1 | 41 | 41 |
| | 304307 | 1 1/4 | 43 | 48 |
| | 304308 | 1 1/2 | 53 | 65 |
| 100 | 304309 | 2 | 61 | 71 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

ŁĄCZNIK KOLANOWY 45° Z GWINTEM WĘWNĘTRZNYM NPT

FEMALE 45° ADAPTER - THREAD NPT

3045...



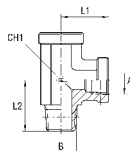
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|-------|------|-----|
| 350 | 304501 | 1/8 | 13 | 14 |
| | 304502 | 1/4 | 18 | 19 |
| 250 | 304503 | 3/8 | 19,5 | 22 |
| 225 | 304504 | 1/2 | 24,5 | 27 |
| 200 | 304505 | 3/4 | 26 | 33 |
| 160 | 304506 | 1 | 31 | 41 |
| | 304507 | 1 1/4 | 37 | 48 |
| | 304508 | 1 1/2 | 43 | 65 |
| 100 | 304509 | 2 | 55 | 71 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE TRÓJNIKOWE NIESYMETRYCZNE Z GWINTEM WĘWNĘTRZNYM I ZEWNĘTRZNYM NPT

MALE / FEMALE STUD BARREL TEE ADAPTER - THREAD NPT

3047...



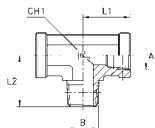
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 |
|-----------------|---|-------|-------|------|------|-----|
| 350 | 304701 | 1/8 | 1/8 | 17 | 20 | 14 |
| | 304702 | 1/4 | 1/4 | 22,5 | 28 | 19 |
| 250 | 304703 | 3/8 | 3/8 | 26 | 31 | 22 |
| 225 | 304704 | 1/2 | 1/2 | 31 | 37,5 | 27 |
| 200 | 304705 | 3/4 | 3/4 | 34,5 | 40 | 33 |
| 160 | 304706 | 1 | 1 | 41 | 50 | 41 |
| | 304707 | 1 1/4 | 1 1/4 | 43 | 60 | 48 |
| | 304708 | 1 1/2 | 1 1/2 | 53 | 67 | 65 |
| 100 | 304709 | 2 | 2 | 61 | 76 | 71 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE TRÓJNIKOWE SYMETRYCZNE Z GWINTEM WĘWNĘTRZNYM I ZEWNĘTRZNYM NPT

MALE / FEMALE STUD BRANCH TEE ADAPTER - THREAD NPT

3049...



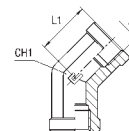
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | L2 | CH1 | CH1 |
|-----------------|---|-------|-------|------|------|-----|
| 350 | 304901 | 1/8 | 1/8 | 17 | 20 | 14 |
| | 304902 | 1/4 | 1/4 | 22,5 | 28 | 19 |
| 250 | 304903 | 3/8 | 3/8 | 26 | 31 | 22 |
| 225 | 304904 | 1/2 | 1/2 | 31 | 37,5 | 27 |
| 200 | 304905 | 3/4 | 3/4 | 34,5 | 40 | 33 |
| 160 | 304906 | 1 | 1 | 41 | 50 | 41 |
| | 304907 | 1 1/4 | 1 1/4 | 43 | 60 | 48 |
| | 304908 | 1 1/2 | 1 1/2 | 53 | 67 | 65 |
| 100 | 304909 | 2 | 2 | 61 | 76 | 71 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

ŁĄCZNIK KOLANOWY 45° Z GWINTEM WĘWNĘTRZNYM BSP

FEMALE 45° ADAPTER - THREAD BSP PARALLEL

3044...



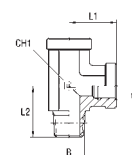
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|-------|------|-----|
| 350 | 304401 | 1/8 | 15,5 | 14 |
| | 304402 | 1/4 | 21 | 19 |
| 250 | 304403 | 3/8 | 22 | 22 |
| 225 | 304404 | 1/2 | 26 | 27 |
| 200 | 304405 | 3/4 | 29,5 | 33 |
| 160 | 304406 | 1 | 33 | 41 |
| | 304407 | 1 1/4 | 39 | 48 |
| | 304408 | 1 1/2 | 43 | 65 |
| 100 | 304409 | 2 | 55 | 71 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE TRÓJNIKOWE NIESYMETRYCZNE Z GWINTEM WĘWNĘTRZNYM I ZEWNĘTRZNYM BSP / STOŻKOWYM BSPT

MALE / FEMALE STUD BARREL TEE ADAPTER - THREAD BSP PARALLEL / BSP TAPER (KEG)

3046...



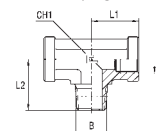
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | L2 | CH1 | CH1 |
|-----------------|---|-------|-------|------|------|-----|
| 350 | 304601 | 1/8 | 1/8 | 17 | 20 | 14 |
| | 304602 | 1/4 | 1/4 | 22,5 | 28 | 19 |
| 250 | 304603 | 3/8 | 3/8 | 26 | 31 | 22 |
| 225 | 304604 | 1/2 | 1/2 | 31 | 37,5 | 27 |
| 200 | 304605 | 3/4 | 3/4 | 34,5 | 40 | 33 |
| 160 | 304606 | 1 | 1 | 41 | 50 | 41 |
| | 304607 | 1 1/4 | 1 1/4 | 43 | 60 | 48 |
| | 304608 | 1 1/2 | 1 1/2 | 53 | 67 | 65 |
| 100 | 304609 | 2 | 2 | 61 | 76 | 71 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE TRÓJNIKOWE SYMETRYCZNE Z GWINTEM WĘWNĘTRZNYM I ZEWNĘTRZNYM BSP / STOŻKOWYM BSPT

MALE / FEMALE STUD BRANCH TEE ADAPTER - THREAD BSP PARALLEL / BSP TAPER (KEG)

3048...



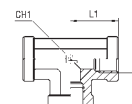
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | L2 | CH1 | CH1 |
|-----------------|---|-------|-------|------|------|-----|
| 350 | 304801 | 1/8 | 1/8 | 17 | 20 | 14 |
| | 304802 | 1/4 | 1/4 | 22,5 | 28 | 19 |
| 250 | 304803 | 3/8 | 3/8 | 26 | 31 | 22 |
| 225 | 304804 | 1/2 | 1/2 | 31 | 37,5 | 27 |
| 200 | 304805 | 3/4 | 3/4 | 34,5 | 40 | 33 |
| 160 | 304806 | 1 | 1 | 41 | 50 | 41 |
| | 304807 | 1 1/4 | 1 1/4 | 43 | 60 | 48 |
| | 304808 | 1 1/2 | 1 1/2 | 53 | 67 | 65 |
| 100 | 304809 | 2 | 2 | 61 | 76 | 71 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

ŁĄCZNIK TRÓJNIKOWY Z GWINTEM WĘWNĘTRZNYM BSP

FEMALE EQUAL TEE ADAPTER - THREAD BSP PARALLEL

3050...



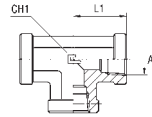
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|-------|------|-----|
| 350 | 305001 | 1/8 | 17 | 14 |
| | 305002 | 1/4 | 22,5 | 19 |
| 250 | 305003 | 3/8 | 26 | 22 |
| 225 | 305004 | 1/2 | 31 | 27 |
| 200 | 305005 | 3/4 | 34,5 | 33 |
| 160 | 305006 | 1 | 41 | 41 |
| | 305007 | 1 1/4 | 43 | 48 |
| | 305008 | 1 1/2 | 53 | 65 |
| 100 | 305009 | 2 | 61 | 71 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 30.. na 31.. np. 308601 na 318601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 30.. to 31.. ex. 308601 to 318601

ŁĄCZNIK TRÓJNIKOWY Z GWINTEM WĘWĘTRZNYM NPT

FEMALE EQUAL TEE ADAPTER - THREAD NPT

3051...



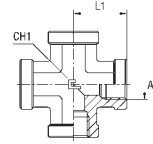
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|-------|------|-----|
| 350 | 305101 | 1/8 | 17 | 14 |
| | 305102 | 1/4 | 22,5 | 19 |
| 250 | 305103 | 3/8 | 26 | 22 |
| 225 | 305104 | 1/2 | 31 | 27 |
| 200 | 305105 | 3/4 | 34,5 | 33 |
| | 305106 | 1 | 41 | 41 |
| 160 | 305107 | 1 1/4 | 43 | 48 |
| | 305108 | 1 1/2 | 53 | 65 |
| 100 | 305109 | 2 | 61 | 71 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

ŁĄCZNIK CZWÓRNIKOWY Z GWINTEM WĘWĘTRZNYM BSP

FEMALE EQUAL CROSS ADAPTER - THREAD BSP PARALLEL

3052...



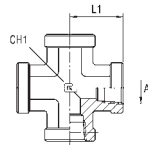
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|-------|------|-----|
| 350 | 305201 | 1/8 | 17 | 14 |
| | 305202 | 1/4 | 22,5 | 19 |
| 250 | 305203 | 3/8 | 26 | 22 |
| 225 | 305204 | 1/2 | 31 | 27 |
| 200 | 305205 | 3/4 | 34,5 | 33 |
| | 305206 | 1 | 41 | 41 |
| 160 | 305207 | 1 1/4 | 43 | 48 |
| | 305208 | 1 1/2 | 53 | 65 |
| 100 | 305209 | 2 | 61 | 71 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

ŁĄCZNIK CZWÓRNIKOWY Z GWINTEM WĘWĘTRZNYM NPT

FEMALE EQUAL CROSS ADAPTER - THREAD NPT

3053...



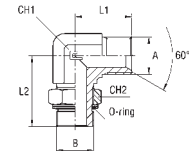
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 |
|-----------------|---|-------|------|-----|
| 350 | 305301 | 1/8 | 17 | 14 |
| | 305302 | 1/4 | 22,5 | 19 |
| 250 | 305303 | 3/8 | 26 | 22 |
| 225 | 305304 | 1/2 | 31 | 27 |
| 200 | 305305 | 3/4 | 34,5 | 33 |
| | 305306 | 1 | 41 | 41 |
| 160 | 305307 | 1 1/4 | 43 | 48 |
| | 305308 | 1 1/2 | 53 | 65 |
| 100 | 305309 | 2 | 61 | 71 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE KOLANOWE NASTAWNE Z GWINTEM BSP Z PRZECIWNĄKRĘTKĄ Z USZCZELNIENIEM TYPU O-RING

ADJUSTABLE ELBOW ADAPTER WITH O-RING AND WASHER - THREAD BSP PARALLEL

3054...

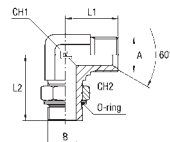


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|-------|-------|----|----|-----|-----|
| 350 | 305401 | 1/8 | 1/8 | 21 | 26 | 11 | 14 |
| | 305402 | 1/4 | 1/4 | 26 | 30 | 14 | 14 |
| 315 | 305403 | 1/4 | 1/4 | 26 | 32 | 14 | 19 |
| | 305404 | 3/8 | 1/4 | 29 | 37 | 19 | 19 |
| 250 | 305405 | 3/8 | 3/8 | 29 | 37 | 19 | 22 |
| | 305406 | 1/2 | 3/8 | 34 | 39 | 22 | 22 |
| | 305407 | 1/2 | 1/2 | 34 | 43 | 22 | 30 |
| | 305408 | 3/4 | 1/2 | 41 | 47 | 27 | 30 |
| | 305409 | 3/4 | 3/4 | 41 | 49 | 27 | 36 |
| | 305410 | 1 | 3/4 | 45 | 50 | 33 | 36 |
| 200 | 305411 | 1 | 1 | 45 | 52 | 33 | 41 |
| | 305412 | 1 1/4 | 1 | 52 | 58 | 41 | 41 |
| 160 | 305413 | 1 1/4 | 1 1/4 | 52 | 58 | 41 | 50 |
| | 305414 | 1 1/2 | 1 1/4 | 59 | 59 | 48 | 50 |
| 125 | 305415 | 1 1/2 | 1 1/2 | 59 | 60 | 48 | 55 |
| | 305416 | 2 | 1 1/2 | 78 | 74 | 65 | 55 |
| | 305417 | 2 | 2 | 78 | 74 | 65 | 70 |

PRZYŁĄCZE KOLANOWE NASTAWNE Z GWINTEM METRYCZNYM Z PRZECIWNĄKRĘTKĄ Z USZCZELNIENIEM TYPU O-RING

ADJUSTABLE ELBOW ADAPTER WITH O-RING AND WASHER - THREAD METRIC PARALLEL

3055...



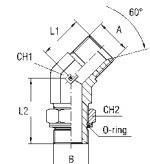
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|--------|--------|----|------|-----|-----|
| 350 | 305501 | 12x1,5 | 10x1 | 21 | 27 | 11 | 14 |
| | 305502 | 12x1,5 | 12x1,5 | 24 | 31 | 14 | 17 |
| 315 | 305503 | 14x1,5 | 12x1,5 | 26 | 31 | 14 | 17 |
| | 305504 | 14x1,5 | 14x1,5 | 26 | 33 | 14 | 19 |
| | 305505 | 16x1,5 | 14x1,5 | 29 | 36 | 19 | 19 |
| | 305506 | 16x1,5 | 16x1,5 | 29 | 38 | 19 | 22 |
| | 305507 | 18x1,5 | 16x1,5 | 29 | 38 | 19 | 22 |
| | 305508 | 18x1,5 | 18x1,5 | 29 | 38 | 19 | 24 |
| 250 | 305509 | 22x1,5 | 18x1,5 | 34 | 40 | 22 | 24 |
| | 305510 | 22x1,5 | 22x1,5 | 34 | 42 | 22 | 27 |
| | 305511 | 26x1,5 | 22x1,5 | 41 | 46 | 27 | 27 |
| | 305512 | 26x1,5 | 27x2 | 41 | 50,5 | 27 | 32 |
| 200 | 305513 | 30x1,5 | 27x2 | 45 | 52,5 | 33 | 32 |
| | 305514 | 30x1,5 | 33x2 | 45 | 52,5 | 33 | 41 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE KOLANOWE 45° NASTAWNE Z GWINTEM BSP Z PRZECIWNĄKRĘTKĄ Z USZCZELNIENIEM TYPU O-RING

ADJUSTABLE 45° ELBOW ADAPTER WITH O-RING AND WASHER - THREAD BSP PARALLEL

3056...



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|-------|-------|------|------|-----|-----|
| 350 | 305601 | 1/8 | 1/8 | 20,5 | 26 | 11 | 14 |
| | 305602 | 1/4 | 1/8 | 21 | 27 | 14 | 14 |
| 315 | 305603 | 1/4 | 1/4 | 21 | 29 | 14 | 19 |
| | 305604 | 3/8 | 1/4 | 23,5 | 32,5 | 19 | 19 |
| 250 | 305605 | 3/8 | 3/8 | 23,5 | 33 | 19 | 22 |
| | 305606 | 1/2 | 3/8 | 26 | 35 | 22 | 22 |
| | 305607 | 1/2 | 1/2 | 26 | 38,5 | 22 | 30 |
| | 305608 | 3/4 | 1/2 | 32 | 38,5 | 27 | 30 |
| | 305609 | 3/4 | 3/4 | 32 | 44 | 27 | 36 |
| | 305610 | 1 | 3/4 | 37 | 44 | 33 | 36 |
| 200 | 305611 | 1 | 1 | 37 | 47 | 33 | 41 |
| | 305612 | 1 1/4 | 1 | 39 | 45 | 41 | 41 |
| 160 | 305613 | 1 1/4 | 1 1/4 | 39 | 48 | 41 | 50 |
| | 305614 | 1 1/2 | 1 1/4 | 46 | 48 | 48 | 50 |
| 125 | 305615 | 1 1/2 | 1 1/2 | 46 | 48 | 48 | 55 |
| | 305616 | 2 | 1 1/2 | 57 | 57 | 65 | 55 |
| | 305617 | 2 | 2 | 57 | 57 | 65 | 70 |

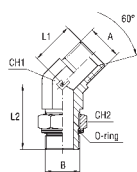
* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 30.. na 31.. np. 308601 na 318601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 30.. to 31.. ex. 308601 to 318601

PRZYŁĄCZE KOLANOWE 45° NASTAWNE Z GWINTEM METRYCZNYM Z PRZECIWNĄKRĘTKĄ Z USZCZELNIENIEM TYPU O-RING

ADJUSTABLE 45° ELBOW ADAPTER WITH O-RING AND WASHER - THREAD METRIC PARALLEL

3057...



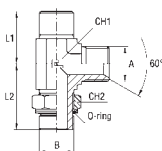
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|--------|--------|------|------|-----|-----|
| 350 | 305701 | 12x1.5 | 10x1 | 20.5 | 27 | 11 | 14 |
| | 305702 | 12x1.5 | 12x1.5 | 21 | 27 | 14 | 17 |
| | 305703 | 14x1.5 | 12x1.5 | 21 | 27 | 14 | 17 |
| 315 | 305704 | 14x1.5 | 14x1.5 | 21 | 33 | 14 | 19 |
| | 305705 | 16x1.5 | 14x1.5 | 23.5 | 30 | 19 | 19 |
| | 305706 | 16x1.5 | 16x1.5 | 23.5 | 33 | 19 | 22 |
| | 305707 | 18x1.5 | 16x1.5 | 23.5 | 33 | 19 | 22 |
| | 305708 | 18x1.5 | 18x1.5 | 23.5 | 33 | 19 | 24 |
| | 305709 | 22x1.5 | 18x1.5 | 26 | 36 | 22 | 24 |
| 250 | 305710 | 22x1.5 | 22x1.5 | 26 | 38 | 22 | 27 |
| | 305711 | 26x1.5 | 22x1.5 | 32 | 37.5 | 27 | 27 |
| | 305712 | 26x1.5 | 27x2 | 32 | 46 | 27 | 32 |
| | 305713 | 30x1.5 | 27x2 | 37 | 46 | 33 | 32 |
| 200 | 305714 | 30x1.5 | 33x2 | 37 | 46 | 33 | 41 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE TRÓJNIKOWE NASTAWNE NIESYMETRYCZNE Z GWINTEM METRYCZNYM Z PRZECIWNĄKRĘTKĄ Z USZCZELNIENIEM TYPU O-RING

ADJUSTABLE MALE STUD BRANCH TEE WITH O-RING AND WASHER - THREAD METRIC PARALLEL

3059...



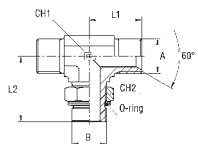
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|--------|--------|----|------|-----|-----|
| 350 | 305901 | 12x1.5 | 10x1 | 21 | 27 | 11 | 14 |
| | 305902 | 12x1.5 | 12x1.5 | 24 | 31 | 14 | 17 |
| | 305903 | 14x1.5 | 12x1.5 | 26 | 31 | 14 | 17 |
| 315 | 305904 | 14x1.5 | 14x1.5 | 26 | 33 | 14 | 19 |
| | 305905 | 16x1.5 | 14x1.5 | 29 | 35 | 19 | 19 |
| | 305906 | 16x1.5 | 16x1.5 | 29 | 38 | 19 | 22 |
| | 305907 | 18x1.5 | 16x1.5 | 29 | 38 | 19 | 22 |
| | 305908 | 18x1.5 | 18x1.5 | 29 | 38 | 19 | 24 |
| | 305909 | 22x1.5 | 18x1.5 | 34 | 40 | 22 | 24 |
| 250 | 305910 | 22x1.5 | 22x1.5 | 34 | 42 | 22 | 27 |
| | 305911 | 26x1.5 | 22x1.5 | 41 | 44 | 27 | 27 |
| | 305912 | 26x1.5 | 27x2 | 41 | 50.5 | 27 | 32 |
| | 305913 | 30x1.5 | 27x2 | 45 | 50.5 | 33 | 32 |
| 200 | 305914 | 30x1.5 | 33x2 | 45 | 52.5 | 33 | 41 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE TRÓJNIKOWE NASTAWNE SYMETRYCZNE Z GWINTEM METRYCZNYM Z PRZECIWNĄKRĘTKĄ Z USZCZELNIENIEM TYPU O-RING

ADJUSTABLE MALE STUD BRANCH TEE WITH O-RING AND WASHER - THREAD METRIC PARALLEL

3061...



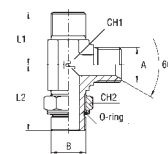
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|--------|--------|----|------|-----|-----|
| 350 | 306101 | 12x1.5 | 10x1 | 21 | 27 | 11 | 14 |
| | 306102 | 12x1.5 | 12x1.5 | 24 | 31 | 14 | 17 |
| | 306103 | 14x1.5 | 12x1.5 | 26 | 31 | 14 | 17 |
| 315 | 306104 | 14x1.5 | 14x1.5 | 26 | 33 | 14 | 19 |
| | 306105 | 16x1.5 | 14x1.5 | 29 | 34 | 19 | 19 |
| | 306106 | 16x1.5 | 16x1.5 | 29 | 38 | 19 | 22 |
| | 306107 | 18x1.5 | 16x1.5 | 29 | 38 | 19 | 22 |
| | 306108 | 18x1.5 | 18x1.5 | 29 | 38 | 19 | 24 |
| | 306109 | 22x1.5 | 18x1.5 | 34 | 40 | 22 | 24 |
| 250 | 306110 | 22x1.5 | 22x1.5 | 34 | 42 | 22 | 27 |
| | 306111 | 26x1.5 | 22x1.5 | 41 | 44 | 27 | 27 |
| | 306112 | 26x1.5 | 27x2 | 41 | 50.5 | 27 | 32 |
| | 306113 | 30x1.5 | 27x2 | 45 | 50.5 | 33 | 32 |
| 200 | 306114 | 30x1.5 | 33x2 | 45 | 52.5 | 33 | 41 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE TRÓJNIKOWE NASTAWNE NIESYMETRYCZNE Z GWINTEM BSP Z PRZECIWNĄKRĘTKĄ Z USZCZELNIENIEM TYPU O-RING

ADJUSTABLE MALE STUD BRANCH TEE WITH O-RING AND WASHER - THREAD BSP PARALLEL

3058...

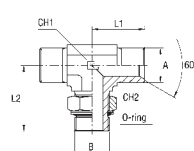


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|-------|-------|----|----|-----|-----|
| 350 | 305801 | 1/8 | 1/8 | 21 | 26 | 11 | 14 |
| | 305802 | 1/4 | 1/8 | 26 | 30 | 14 | 14 |
| 315 | 305803 | 1/4 | 1/4 | 26 | 32 | 14 | 19 |
| | 305804 | 3/8 | 1/4 | 29 | 34 | 19 | 19 |
| 250 | 305805 | 3/8 | 3/8 | 29 | 37 | 19 | 22 |
| | 305806 | 1/2 | 3/8 | 34 | 39 | 22 | 22 |
| | 305807 | 1/2 | 1/2 | 34 | 43 | 22 | 30 |
| | 305808 | 3/4 | 1/2 | 41 | 47 | 27 | 30 |
| | 305809 | 3/4 | 3/4 | 41 | 49 | 27 | 36 |
| | 305810 | 1 | 3/4 | 45 | 49 | 33 | 36 |
| 200 | 305811 | 1 | 1 | 45 | 52 | 33 | 41 |
| | 305812 | 1 1/4 | 1 | 52 | 58 | 41 | 41 |
| 160 | 305813 | 1 1/4 | 1 1/4 | 52 | 57 | 41 | 50 |
| | 305814 | 1 1/2 | 1 1/4 | 59 | 59 | 48 | 50 |
| 125 | 305815 | 1 1/2 | 1 1/2 | 59 | 60 | 48 | 55 |
| | 305816 | 2 | 1 1/2 | 78 | 74 | 65 | 55 |
| | 305817 | 2 | 2 | 78 | 74 | 65 | 70 |

PRZYŁĄCZE TRÓJNIKOWE NASTAWNE SYMETRYCZNE Z GWINTEM BSP Z PRZECIWNĄKRĘTKĄ Z USZCZELNIENIEM TYPU O-RING

ADJUSTABLE MALE STUD BRANCH TEE WITH O-RING AND WASHER - THREAD BSP PARALLEL

3060...

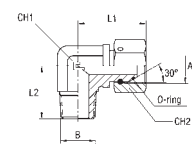


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|-------|-------|----|----|-----|-----|
| 350 | 306001 | 1/8 | 1/8 | 21 | 26 | 11 | 14 |
| | 306002 | 1/4 | 1/8 | 26 | 30 | 14 | 14 |
| 315 | 306003 | 1/4 | 1/4 | 26 | 32 | 14 | 19 |
| | 306004 | 3/8 | 1/4 | 29 | 34 | 19 | 19 |
| 250 | 306005 | 3/8 | 3/8 | 29 | 37 | 19 | 22 |
| | 306006 | 1/2 | 3/8 | 34 | 39 | 22 | 22 |
| | 306007 | 1/2 | 1/2 | 34 | 43 | 22 | 30 |
| | 306008 | 3/4 | 1/2 | 41 | 47 | 27 | 30 |
| | 306009 | 3/4 | 3/4 | 41 | 49 | 27 | 36 |
| | 306010 | 1 | 3/4 | 45 | 49 | 33 | 36 |
| 200 | 306011 | 1 | 1 | 45 | 52 | 33 | 41 |
| | 306012 | 1 1/4 | 1 | 52 | 55 | 41 | 41 |
| 160 | 306013 | 1 1/4 | 1 1/4 | 52 | 57 | 41 | 50 |
| | 306014 | 1 1/2 | 1 1/4 | 59 | 59 | 48 | 50 |
| 125 | 306015 | 1 1/2 | 1 1/2 | 59 | 60 | 48 | 55 |
| | 306016 | 2 | 1 1/2 | 78 | 74 | 65 | 55 |
| | 306017 | 2 | 2 | 78 | 74 | 65 | 70 |

PRZYŁĄCZE KOLANOWE NAKRĘTNE Z GWINTEM BSP / SŁOŻKOWYM BSPT

ELBOW ADAPTER WITH SWIVEL NUT THREAD BSP PARALLEL / BSP TAPER (KEG)

3062...

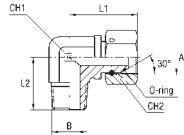


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|-------|-------|------|------|-----|-----|
| 350 | 306201 | 1/8 | 1/8 | 25 | 20 | 11 | 14 |
| | 306202 | 1/4 | 1/4 | 33 | 28 | 14 | 19 |
| 250 | 306203 | 3/8 | 3/8 | 37 | 31 | 19 | 22 |
| 225 | 306204 | 1/2 | 1/2 | 49 | 37.5 | 22 | 27 |
| | 306205 | 5/8 | 1/2 | 49 | 37.5 | 27 | 30 |
| 200 | 306206 | 3/4 | 3/4 | 53.5 | 40 | 27 | 32 |
| | 306207 | 1 | 1 | 60.5 | 50 | 33 | 41 |
| 160 | 306208 | 1 1/4 | 1 1/4 | 64 | 60 | 41 | 50 |
| | 306209 | 1 1/2 | 1 1/2 | 72.5 | 67 | 48 | 55 |
| 100 | 306210 | 2 | 2 | 91 | 76 | 65 | 70 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 30.. na 31.. np. 308601 na 318601.
 * Note: If you wish to order a fitting in stainless steel, please change the first two digit from 30.. to 31.. ex. 308601 to 318601

PRZYŁĄCZE KOLANOWE NAKRĘTNE Z GWINTEM BSP/NPT ELBOW ADAPTER WITH SWIVEL NUT - THREAD BSP PARALLEL / NPT

3063...

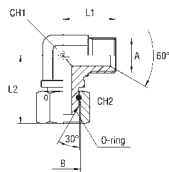


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|-------|-------|------|------|-----|-----|
| 350 | 306301 | 1/8 | 1/8 | 25 | 20 | 11 | 14 |
| | 306302 | 1/4 | 1/4 | 33 | 28 | 14 | 19 |
| | 306303 | 3/8 | 3/8 | 37 | 31 | 19 | 22 |
| 225 | 306304 | 1/2 | 1/2 | 43 | 37.5 | 22 | 27 |
| | 306305 | 5/8 | 1/2 | 49 | 37.5 | 27 | 30 |
| 200 | 306306 | 3/4 | 3/4 | 53.5 | 40 | 27 | 32 |
| | 306307 | 1 | 1 | 60.5 | 50 | 33 | 41 |
| 160 | 306308 | 1 1/4 | 1 1/4 | 64 | 60 | 41 | 50 |
| | 306309 | 1 1/2 | 1 1/2 | 72.5 | 67 | 48 | 55 |
| 100 | 306310 | 2 | 2 | 91 | 76 | 65 | 70 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

ZŁĄCZE KOLANOWE NAKRĘTNE Z GWINTEM METRYCZNYM ELBOW ADAPTER SWIVEL NUT - THREAD METRIC PARALLEL

3065...

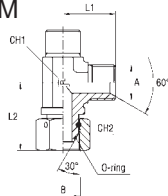


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|--------|--------|----|----|-----|-----|
| 400 | 306501 | 12x1.5 | 12x1.5 | 21 | 26 | 11 | 14 |
| | 306502 | 14x1.5 | 14x1.5 | 26 | 33 | 14 | 19 |
| | 306503 | 16x1.5 | 16x1.5 | 29 | 37 | 19 | 22 |
| | 306504 | 18x1.5 | 18x1.5 | 29 | 38 | 19 | 24 |
| 350 | 306505 | 20x1.5 | 20x1.5 | 34 | 44 | 22 | 27 |
| | 306506 | 22x1.5 | 22x1.5 | 34 | 44 | 22 | 27 |
| 315 | 306507 | 26x1.5 | 26x1.5 | 41 | 53 | 27 | 32 |
| 250 | 306508 | 30x1.5 | 30x1.5 | 45 | 58 | 33 | 36 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

ZŁĄCZE TRÓJNIKOWE NIESYMETRYCZNE NAKRĘTNE Z GWINTEM METRYCZNYM BARREL TEE ADAPTER WITH SWIVEL NUT - THREAD METRIC PARALLEL

3067...

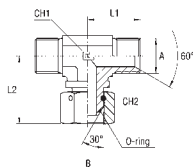


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|--------|--------|----|----|-----|-----|
| 400 | 306701 | 12x1.5 | 12x1.5 | 21 | 26 | 11 | 14 |
| | 306702 | 14x1.5 | 14x1.5 | 26 | 33 | 14 | 19 |
| | 306703 | 16x1.5 | 16x1.5 | 29 | 37 | 19 | 22 |
| | 306704 | 18x1.5 | 18x1.5 | 29 | 38 | 19 | 24 |
| 350 | 306705 | 20x1.5 | 20x1.5 | 34 | 44 | 22 | 27 |
| | 306706 | 22x1.5 | 22x1.5 | 34 | 44 | 22 | 27 |
| 315 | 306707 | 26x1.5 | 26x1.5 | 41 | 53 | 27 | 32 |
| 250 | 306708 | 30x1.5 | 30x1.5 | 45 | 58 | 33 | 36 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

ZŁĄCZE TRÓJNIKOWE SYMETRYCZNE NAKRĘTNE Z GWINTEM METRYCZNYM BRANCH TEE ADAPTER WITH SWIVEL NUT - THREAD METRIC PARALLEL

3069...



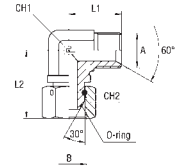
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|--------|--------|----|----|-----|-----|
| 400 | 306901 | 12x1.5 | 12x1.5 | 21 | 26 | 11 | 14 |
| | 306902 | 14x1.5 | 14x1.5 | 26 | 33 | 14 | 19 |
| | 306903 | 16x1.5 | 16x1.5 | 29 | 37 | 19 | 22 |
| | 306904 | 18x1.5 | 18x1.5 | 29 | 38 | 19 | 24 |
| 350 | 306905 | 20x1.5 | 20x1.5 | 34 | 44 | 22 | 27 |
| | 306906 | 22x1.5 | 22x1.5 | 34 | 44 | 22 | 27 |
| 315 | 306907 | 26x1.5 | 26x1.5 | 41 | 53 | 27 | 32 |
| 250 | 306908 | 30x1.5 | 30x1.5 | 45 | 58 | 33 | 36 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 30.. na 31.. np. 308601 na 318601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 30.. to 31.. ex. 308601 to 318601

ZŁĄCZE KOLANOWE NAKRĘTNE Z GWINTEM BSP ELBOW ADAPTER WITH SWIVEL NUT - THREAD BSP PARALLEL

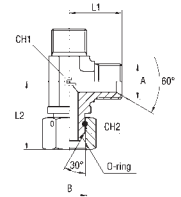
3064...



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|-------|-------|----|------|-----|-----|
| 400 | 306401 | 1/8 | 1/8 | 21 | 25 | 11 | 14 |
| | 306402 | 1/4 | 1/4 | 26 | 33 | 14 | 19 |
| | 306403 | 3/8 | 3/8 | 29 | 37 | 19 | 22 |
| 350 | 306404 | 1/2 | 1/2 | 34 | 43 | 22 | 27 |
| | 306405 | 5/8 | 5/8 | 38 | 49 | 27 | 30 |
| 315 | 306406 | 3/4 | 3/4 | 41 | 53.5 | 27 | 32 |
| 250 | 306407 | 1 | 1 | 45 | 60.5 | 33 | 41 |
| 200 | 306408 | 1 1/4 | 1 1/4 | 57 | 64 | 41 | 50 |
| 160 | 306409 | 1 1/2 | 1 1/2 | 59 | 72.5 | 48 | 55 |
| 125 | 306410 | 2 | 2 | 78 | 91 | 65 | 70 |

ZŁĄCZE TRÓJNIKOWE NIESYMETRYCZNE NAKRĘTNE Z GWINTEM BSP BARREL TEE ADAPTER WITH SWIVEL NUT - THREAD BSP PARALLEL

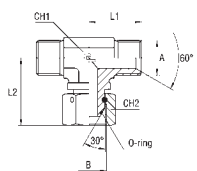
3066...



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|-------|-------|----|------|-----|-----|
| 400 | 306601 | 1/8 | 1/8 | 21 | 25 | 11 | 14 |
| | 306602 | 1/4 | 1/4 | 26 | 33 | 14 | 19 |
| | 306603 | 3/8 | 3/8 | 29 | 37 | 19 | 22 |
| | 306604 | 1/2 | 1/2 | 34 | 43 | 22 | 27 |
| 350 | 306605 | 5/8 | 5/8 | 38 | 49 | 27 | 30 |
| | 306606 | 3/4 | 3/4 | 41 | 53.5 | 27 | 32 |
| 250 | 306607 | 1 | 1 | 45 | 60.5 | 33 | 41 |
| 200 | 306608 | 1 1/4 | 1 1/4 | 57 | 64 | 41 | 50 |
| 160 | 306609 | 1 1/2 | 1 1/2 | 59 | 72.5 | 48 | 55 |
| 125 | 306610 | 2 | 2 | 78 | 91 | 65 | 70 |

ZŁĄCZE TRÓJNIKOWE SYMETRYCZNE NAKRĘTNE Z GWINTEM BSP BRANCH TEE ADAPTER WITH SWIVEL NUT - THREAD BSP PARALLEL

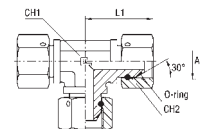
3068...



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|-------|-------|----|------|-----|-----|
| 400 | 306801 | 1/8 | 1/8 | 21 | 25 | 11 | 14 |
| | 306802 | 1/4 | 1/4 | 26 | 33 | 14 | 19 |
| | 306803 | 3/8 | 3/8 | 29 | 37 | 19 | 22 |
| | 306804 | 1/2 | 1/2 | 34 | 43 | 22 | 27 |
| 350 | 306805 | 5/8 | 5/8 | 38 | 49 | 27 | 30 |
| | 306806 | 3/4 | 3/4 | 41 | 53.5 | 27 | 32 |
| 250 | 306807 | 1 | 1 | 45 | 60.5 | 33 | 41 |
| 200 | 306808 | 1 1/4 | 1 1/4 | 57 | 64 | 41 | 50 |
| 160 | 306809 | 1 1/2 | 1 1/2 | 59 | 72.5 | 48 | 55 |
| 125 | 306810 | 2 | 2 | 78 | 91 | 65 | 70 |

ZŁĄCZE TRÓJNIKOWE NAKRĘTNE Z GWINTEM BSP EQUAL TEE ADAPTER WITH SWIVEL NUT - THREAD BSP PARALLEL

3070...

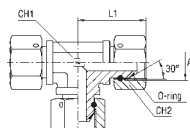


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 | CH2 |
|-----------------|---|-------|------|-----|-----|
| 400 | 307001 | 1/8 | 25 | 11 | 14 |
| | 307002 | 1/4 | 33 | 14 | 19 |
| | 307003 | 3/8 | 37 | 19 | 22 |
| 350 | 307004 | 1/2 | 43 | 22 | 27 |
| | 307005 | 5/8 | 49 | 27 | 30 |
| 315 | 307006 | 3/4 | 53.5 | 27 | 32 |
| 250 | 307007 | 1 | 60.5 | 33 | 41 |
| 200 | 307008 | 1 1/4 | 64 | 41 | 50 |
| 160 | 307009 | 1 1/2 | 75.5 | 48 | 55 |
| 125 | 307010 | 2 | 91 | 65 | 70 |

ZŁĄCZE TRÓJNIKOWE NAKRĘTNE Z GWINTEM METRYCZNYM

EQUAL TEE ADAPTER WITH SWIVEL NUT - THREAD METRIC PARALLEL

3071...



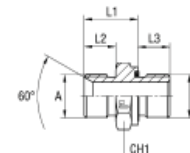
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 | CH2 |
|-----------------|---|--------|----|-----|-----|
| 400 | 307101 | 12x1,5 | 26 | 11 | 14 |
| | 307102 | 14x1,5 | 33 | 14 | 19 |
| | 307103 | 16x1,5 | 37 | 19 | 22 |
| | 307104 | 18x1,5 | 38 | 19 | 24 |
| 350 | 307105 | 20x1,5 | 44 | 22 | 27 |
| | 307106 | 22x1,5 | 44 | 22 | 27 |
| 315 | 307107 | 26x1,5 | 53 | 27 | 32 |
| 250 | 307108 | 30x1,5 | 58 | 33 | 36 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE Z GWINTEM BSP Z USZCZELNIENIEM ELASTOMEROWYM

MALE STUD ADAPTER WITH ELASTOMER SEAL - THREAD BSP PARALLEL

3072...



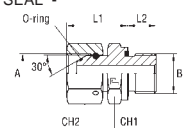
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | L3 | CH1 |
|-----------------|---|-------|-------|------|----|----|-----|
| 350 | 307201 | 1/8 | 1/8 | 14,5 | 8 | 8 | 14 |
| | 307202 | 1/4 | 1/4 | 19 | 11 | 12 | 19 |
| 250 | 307203 | 3/8 | 3/8 | 20,5 | 12 | 12 | 22 |
| | 307204 | 1/2 | 1/2 | 24 | 14 | 14 | 27 |
| 225 | 307205 | 5/8 | 1/2 | 26 | 16 | 14 | 27 |
| | 307206 | 3/4 | 3/4 | 28 | 16 | 16 | 32 |
| 200 | 307207 | 1 | 1 | 32 | 19 | 18 | 41 |
| | 307208 | 1 1/4 | 1 1/4 | 37 | 20 | 20 | 50 |
| 160 | 307209 | 1 1/2 | 1 1/2 | 40 | 23 | 22 | 55 |
| | 307210 | 2 | 2 | 45,5 | 25 | 24 | 70 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE NAKRĘTNE Z GWINTEM BSP Z USZCZELNIENIEM ELASTOMEROWYM

MALE STUD ADAPTER WITH SWIVEL NUT AND ELASTOMER SEAL - THREAD BSP PARALLEL

3073...



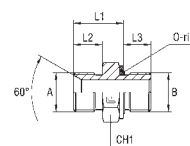
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|-------|-------|------|----|-----|-----|
| 350 | 307301 | 1/8 | 1/8 | 20 | 8 | 14 | 14 |
| | 307302 | 1/4 | 1/4 | 25 | 12 | 19 | 19 |
| 250 | 307303 | 3/8 | 3/8 | 27 | 12 | 22 | 22 |
| | 307304 | 1/2 | 1/2 | 31 | 14 | 27 | 27 |
| 200 | 307305 | 5/8 | 1/2 | 35 | 14 | 27 | 30 |
| | 307306 | 3/4 | 3/4 | 37 | 16 | 32 | 32 |
| 160 | 307307 | 1 | 1 | 44,5 | 18 | 41 | 41 |
| | 307308 | 1 1/4 | 1 1/4 | 47 | 20 | 50 | 50 |
| | 307309 | 1 1/2 | 1 1/2 | 54,5 | 22 | 55 | 55 |
| 100 | 307310 | 2 | 2 | 62 | 24 | 70 | 70 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE Z GWINTEM BSP Z USZCZELNIENIEM TYPU O-RING

MALE STUD ADAPTER WITH O-RING AND WASHER - THREAD BSP PARALLEL

3074...



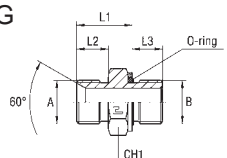
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | L3 | CH1 |
|-----------------|---|-------|-------|------|----|------|-----|
| 350 | 307401 | 1/8 | 1/8 | 14,3 | 8 | 6,7 | 14 |
| | 307402 | 1/4 | 1/4 | 19,3 | 11 | 10,2 | 19 |
| 250 | 307403 | 3/8 | 3/8 | 20,3 | 12 | 10,2 | 22 |
| | 307404 | 1/2 | 1/2 | 24,3 | 14 | 12,2 | 27 |
| 200 | 307405 | 5/8 | 1/2 | 26,3 | 16 | 12,2 | 27 |
| | 307406 | 3/4 | 3/4 | 27,8 | 16 | 14,2 | 32 |
| 160 | 307407 | 1 | 1 | 32,1 | 19 | 15,4 | 41 |
| | 307408 | 1 1/4 | 1 1/4 | 37,1 | 20 | 17,4 | 50 |
| | 307409 | 1 1/2 | 1 1/2 | 40,1 | 23 | 19,4 | 55 |
| 100 | 307410 | 2 | 2 | 44,6 | 25 | 21,4 | 70 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE Z GWINTEM METRYCZNYM Z USZCZELNIENIEM TYPU O-RING

MALE STUD ADAPTER WITH O-RING AND WASHER - THREAD METRIC PARALLEL

3075...



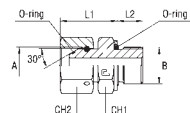
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | L3 | CH1 |
|-----------------|---|--------|--------|------|----|------|-----|
| 350 | 307501 | 12x1,5 | 12x1,5 | 20,4 | 12 | 9,6 | 17 |
| 300 | 307502 | 14x1,5 | 14x1,5 | 20,4 | 12 | 9,6 | 19 |
| 250 | 307503 | 16x1,5 | 16x1,5 | 20,9 | 12 | 11,1 | 22 |
| | 307504 | 18x1,5 | 18x1,5 | 22,9 | 12 | 12,6 | 24 |
| 225 | 307505 | 20x1,5 | 22x1,5 | 25,4 | 14 | 13,6 | 27 |
| | 307506 | 22x1,5 | 22x1,5 | 25,4 | 14 | 13,6 | 27 |
| 200 | 307507 | 26x1,5 | 27x2 | 28,5 | 16 | 16,5 | 32 |
| | 307508 | 30x1,5 | 33x2 | 29,5 | 16 | 16,5 | 36 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE NAKRĘTNE Z GWINTEM BSP Z USZCZELNIENIEM TYPU O-RING

MALE STUD ADAPTER WITH SWIVEL NUT O-RING AND WASHER - THREAD BSP PARALLEL

3076...



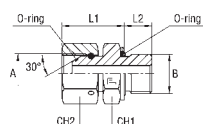
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|-------|-------|------|------|-----|-----|
| 350 | 307601 | 1/8 | 1/8 | 19,8 | 6,7 | 14 | 14 |
| | 307602 | 1/4 | 1/4 | 25 | 10,2 | 19 | 19 |
| 250 | 307603 | 3/8 | 3/8 | 26,3 | 10,2 | 22 | 22 |
| | 307604 | 1/2 | 1/2 | 30 | 12,2 | 27 | 27 |
| 200 | 307605 | 5/8 | 1/2 | 33,8 | 12,2 | 27 | 27 |
| | 307606 | 3/4 | 3/4 | 35,8 | 14,2 | 32 | 32 |
| 160 | 307607 | 1 | 1 | 44,1 | 15,4 | 41 | 41 |
| | 307608 | 1 1/4 | 1 1/4 | 46,6 | 17,4 | 50 | 50 |
| 100 | 307609 | 1 1/2 | 1 1/2 | 54,1 | 19,4 | 55 | 55 |
| | 307610 | 2 | 2 | 61,1 | 21,4 | 70 | 70 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE NAKRĘTNE Z GWINTEM METRYCZNYM Z USZCZELNIENIEM TYPU O-RING

MALE STUD ADAPTER WITH SWIVEL NUT O-RING AND WASHER - THREAD METRIC PARALLEL

3077...



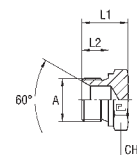
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|--------|--------|------|------|-----|-----|
| 350 | 307701 | 12x1,5 | 12x1,5 | 23,4 | 9,6 | 17 | 17 |
| | 307702 | 14x1,5 | 14x1,5 | 25,6 | 9,6 | 19 | 19 |
| 250 | 307703 | 16x1,5 | 16x1,5 | 26,9 | 11,1 | 22 | 22 |
| | 307704 | 18x1,5 | 18x1,5 | 29,9 | 12,6 | 24 | 24 |
| 225 | 307705 | 20x1,5 | 22x1,5 | 33,4 | 13,6 | 27 | 27 |
| | 307706 | 22x1,5 | 22x1,5 | 34,4 | 13,6 | 27 | 27 |
| 200 | 307707 | 26x1,5 | 27x2 | 37,7 | 16,5 | 32 | 32 |
| | 307708 | 30x1,5 | 33x2 | 40,6 | 16,5 | 36 | 36 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

KOREK Z GWINTEM BSP

MALE PLUG - THREAD BSP PARALLEL

3078...



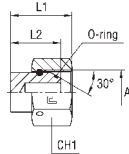
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | L2 | CH1 |
|-----------------|---|-------|------|----|-----|
| 400 | 307801 | 1/8 | 14,5 | 8 | 14 |
| | 307802 | 1/4 | 19 | 11 | 19 |
| | 307803 | 3/8 | 20,5 | 12 | 22 |
| 350 | 307804 | 1/2 | 24 | 14 | 27 |
| | 307805 | 5/8 | 26 | 16 | 30 |
| 315 | 307806 | 3/4 | 28 | 16 | 32 |
| | 307807 | 1 | 32 | 19 | 41 |
| 200 | 307808 | 1 1/4 | 35 | 20 | 50 |
| 160 | 307809 | 1 1/2 | 40 | 23 | 55 |
| 125 | 307810 | 2 | 45,5 | 25 | 70 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 30.. na 31.. np. 308601 na 318601.
 * Note: If you wish to order a fitting in stainless steel, please change the first two digit from 30.. to 31.. ex. 308601 to 318601

KOREK NAKRĘTNY Z GWINTEM BSP FEMALE PLUG WITH SWIVEL NUT - THREAD BSP PARALLEL

3079...

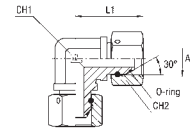


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | L2 | CH1 |
|-----------------|---|-------|----|------|-----|
| 400 | 307901 | 1/8 | 15 | 12 | 14 |
| | 307902 | 1/4 | 19 | 15 | 19 |
| | 307903 | 3/8 | 20 | 15 | 22 |
| 350 | 307904 | 1/2 | 24 | 19 | 27 |
| | 307905 | 5/8 | 26 | 19 | 30 |
| 315 | 307906 | 3/4 | 30 | 21 | 32 |
| 250 | 307907 | 1 | 35 | 24,5 | 41 |
| 200 | 307908 | 1 1/4 | 36 | 27 | 50 |
| 160 | 307909 | 1 1/2 | 42 | 29,5 | 55 |
| 125 | 307910 | 2 | 45 | 30 | 70 |

* Elementy dostępne wyłącznie na zamówienie
(Articles available on request only)

ZŁĄCZE KOLANOWE OBUSTRONNIE NAKRĘTNE Z GWINTEM BSP ELBOW ADAPTER WITH DOUBLE SWIVEL NUT - THREAD BSP PARALLEL

3080...

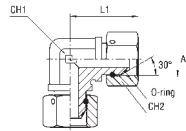


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 | CH2 |
|-----------------|---|-------|------|-----|-----|
| 400 | 308001 | 1/8 | 25 | 11 | 14 |
| | 308002 | 1/4 | 33 | 14 | 19 |
| | 308003 | 3/8 | 37 | 19 | 22 |
| 350 | 308004 | 1/2 | 43 | 22 | 27 |
| | 308005 | 5/8 | 49 | 27 | 30 |
| 315 | 308006 | 3/4 | 53,5 | 27 | 32 |
| 250 | 308007 | 1 | 60,5 | 33 | 41 |
| 200 | 308008 | 1 1/4 | 64 | 41 | 50 |
| 160 | 308009 | 1 1/2 | 72,5 | 48 | 55 |
| 125 | 308010 | 2 | 91 | 65 | 70 |

* Elementy dostępne wyłącznie na zamówienie
(Articles available on request only)

ZŁĄCZE KOLANOWE OBUSTRONNIE NAKRĘTNE Z GWINTEM METRYCZNYM ELBOW ADAPTER WITH DOUBLE SWIVEL NUT - THREAD METRIC PARALLEL

3081...

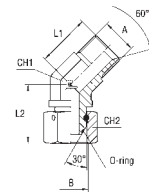


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | L1 | CH1 | CH2 |
|-----------------|---|--------|----|-----|-----|
| 400 | 308101 | 12x1,5 | 26 | 11 | 14 |
| | 308102 | 14x1,5 | 33 | 14 | 19 |
| | 308103 | 16x1,5 | 37 | 19 | 22 |
| | 308104 | 18x1,5 | 38 | 19 | 24 |
| 350 | 308105 | 20x1,5 | 44 | 22 | 27 |
| | 308106 | 22x1,5 | 44 | 22 | 27 |
| 315 | 308107 | 26x1,5 | 53 | 27 | 32 |
| 250 | 308108 | 30x1,5 | 58 | 33 | 36 |

* Elementy dostępne wyłącznie na zamówienie
(Articles available on request only)

ZŁĄCZE KOLANOWE 45° NAKRĘTNE Z GWINTEM BSP 45° ELBOW ADAPTER WITH SWIVEL NUT - THREAD BSP PARALLEL

3082...

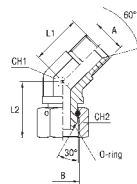


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|-------|-------|------|------|-----|-----|
| 400 | 308201 | 1/8 | 1/8 | 20 | 23 | 11 | 14 |
| | 308202 | 1/4 | 1/4 | 21 | 25 | 14 | 19 |
| | 308203 | 3/8 | 3/8 | 23,5 | 29 | 19 | 22 |
| 350 | 308204 | 1/2 | 1/2 | 26 | 32 | 22 | 27 |
| | 308205 | 5/8 | 5/8 | 29 | 39 | 27 | 30 |
| 315 | 308206 | 3/4 | 3/4 | 32 | 41,5 | 27 | 32 |
| 250 | 308207 | 1 | 1 | 37 | 45 | 33 | 41 |
| 200 | 308208 | 1 1/4 | 1 1/4 | 39 | 47 | 41 | 50 |
| 160 | 308209 | 1 1/2 | 1 1/2 | 46 | 58,5 | 48 | 55 |
| 125 | 308210 | 2 | 2 | 58 | 72 | 65 | 70 |

* Elementy dostępne wyłącznie na zamówienie
(Articles available on request only)

ZŁĄCZE KOLANOWE 45° NAKRĘTNE Z GWINTEM METRYCZNYM 45° ELBOW ADAPTER WITH SWIVEL NUT - THREAD METRIC PARALLEL

3083...

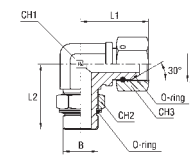


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|--------|--------|----|------|-----|-----|
| 400 | 308301 | 12x1,5 | 12x1,5 | 18 | 24 | 11 | 14 |
| | 308302 | 14x1,5 | 14x1,5 | 21 | 25 | 14 | 19 |
| | 308303 | 16x1,5 | 16x1,5 | 25 | 29 | 19 | 22 |
| | 308304 | 18x1,5 | 18x1,5 | 28 | 30 | 19 | 24 |
| 350 | 308305 | 20x1,5 | 20x1,5 | 30 | 33 | 22 | 27 |
| | 308306 | 22x1,5 | 22x1,5 | 30 | 33 | 22 | 27 |
| 315 | 308307 | 26x1,5 | 26x1,5 | 33 | 41 | 27 | 32 |
| 250 | 308308 | 30x1,5 | 30x1,5 | 37 | 42,5 | 33 | 36 |

* Elementy dostępne wyłącznie na zamówienie
(Articles available on request only)

PRZYŁĄCZE KOLANOWE NAKRĘTNE Z GWINTEM BSP Z PRZECIWNAKRĘTKĄ Z USZCZELNIENIEM TYPU O-RING ADJUSTABLE ELBOW ADAPTER WITH SWIVEL NUT O-RING AND WASHER - THREAD BSP PARALLEL

3084...



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 | CH3 |
|-----------------|---|-------|-------|------|----|-----|-----|-----|
| 350 | 308401 | 1/8 | 1/8 | 25 | 26 | 11 | 14 | 14 |
| | 308402 | 1/4 | 1/8 | 33 | 30 | 14 | 14 | 19 |
| 315 | 308403 | 1/4 | 1/4 | 33 | 32 | 14 | 19 | 19 |
| | 308404 | 3/8 | 1/4 | 37 | 37 | 19 | 19 | 22 |
| 250 | 308405 | 3/8 | 3/8 | 37 | 37 | 19 | 22 | 22 |
| | 308406 | 1/2 | 3/8 | 43 | 39 | 22 | 22 | 27 |
| | 308407 | 1/2 | 1/2 | 43 | 43 | 22 | 30 | 27 |
| | 308408 | 3/4 | 1/2 | 53,5 | 47 | 27 | 30 | 32 |
| | 308409 | 3/4 | 3/4 | 53,5 | 49 | 27 | 36 | 32 |
| | 308410 | 1 | 3/4 | 60,5 | 50 | 33 | 36 | 41 |
| 200 | 308411 | 1 | 1 | 60,5 | 52 | 33 | 41 | 41 |
| | 308412 | 1 1/4 | 1 | 64 | 58 | 41 | 41 | 50 |
| | 308413 | 1 1/4 | 1 1/4 | 64 | 58 | 41 | 50 | 50 |
| 160 | 308414 | 1 1/2 | 1 1/4 | 72,5 | 59 | 48 | 50 | 55 |
| | 308415 | 1 1/2 | 1 1/2 | 72,5 | 60 | 48 | 55 | 55 |
| 125 | 308416 | 2 | 1 1/2 | 91 | 74 | 65 | 55 | 70 |
| | 308417 | 2 | 2 | 91 | 74 | 65 | 70 | 70 |

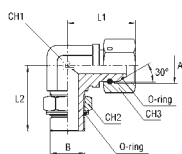
* Elementy dostępne wyłącznie na zamówienie
(Articles available on request only)

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 30.. na 31.. np. 308601 na 318601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 30.. to 31.. ex. 308601 to 318601

PRZYŁĄCZE KOLANOWE NAKRĘTNE Z GWINTEM METRYCZNYM Z PRZECIWNAKRĘTKĄ Z USZCZELNIENIEM TYPU O-RING

ADJUSTABLE ELBOW ADAPTER WITH SWIVEL NUT O-RING AND WASHER - THREAD METRIC PARALLEL

3085...



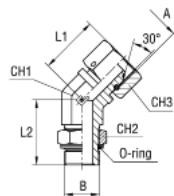
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 | CH3 |
|-----------------|---|--------|--------|----|------|-----|-----|-----|
| 350 | 308501 | 12x1.5 | 10x1 | 26 | 27 | 11 | 14 | 14 |
| | 308502 | 12x1.5 | 12x1.5 | 26 | 31 | 14 | 17 | 14 |
| | 308503 | 14x1.5 | 12x1.5 | 33 | 31 | 14 | 17 | 19 |
| 315 | 308504 | 14x1.5 | 14x1.5 | 33 | 33 | 14 | 19 | 19 |
| | 308505 | 16x1.5 | 14x1.5 | 37 | 36 | 19 | 19 | 22 |
| | 308506 | 16x1.5 | 16x1.5 | 37 | 38 | 19 | 22 | 22 |
| | 308507 | 18x1.5 | 16x1.5 | 38 | 38 | 19 | 22 | 24 |
| | 308508 | 18x1.5 | 18x1.5 | 38 | 38 | 19 | 24 | 24 |
| | 308509 | 22x1.5 | 18x1.5 | 44 | 40 | 22 | 24 | 27 |
| 250 | 308510 | 22x1.5 | 22x1.5 | 44 | 42 | 22 | 27 | 27 |
| | 308511 | 26x1.5 | 22x1.5 | 53 | 46 | 27 | 27 | 32 |
| | 308512 | 26x1.5 | 27x2 | 53 | 50.5 | 27 | 32 | 32 |
| | 308513 | 30x1.5 | 27x2 | 58 | 52.5 | 33 | 32 | 36 |
| 200 | 308514 | 30x1.5 | 33x2 | 58 | 52.5 | 33 | 41 | 36 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE KOLANOWE 45° NAKRĘTNE Z GWINTEM METRYCZNYM Z PRZECIWNAKRĘTKĄ Z USZCZELNIENIEM TYPU O-RING

45° ADJUSTABLE ELBOW ADAPTER WITH SWIVEL NUT O-RING AND WASHER - THREAD METRIC PARALLEL

3087...



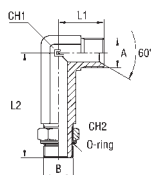
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 | CH3 |
|-----------------|---|--------|--------|------|------|-----|-----|-----|
| 350 | 308701 | 12x1.5 | 10x1 | 24 | 27 | 11 | 14 | 14 |
| | 308702 | 12x1.5 | 12x1.5 | 24 | 27 | 14 | 17 | 14 |
| | 308703 | 14x1.5 | 12x1.5 | 25 | 27 | 14 | 17 | 19 |
| 315 | 308704 | 14x1.5 | 14x1.5 | 25 | 33 | 14 | 19 | 19 |
| | 308705 | 16x1.5 | 14x1.5 | 29 | 30 | 19 | 19 | 22 |
| | 308706 | 16x1.5 | 16x1.5 | 29 | 33 | 19 | 22 | 22 |
| | 308707 | 18x1.5 | 16x1.5 | 30 | 33 | 19 | 22 | 24 |
| | 308708 | 18x1.5 | 18x1.5 | 30 | 33 | 19 | 24 | 24 |
| | 308709 | 22x1.5 | 18x1.5 | 33 | 36 | 22 | 24 | 27 |
| 250 | 308710 | 22x1.5 | 22x1.5 | 33 | 38 | 22 | 27 | 27 |
| | 308711 | 26x1.5 | 22x1.5 | 41 | 37.5 | 27 | 27 | 32 |
| | 308712 | 26x1.5 | 27x2 | 41 | 46 | 27 | 32 | 32 |
| | 308713 | 30x1.5 | 27x2 | 42.5 | 46 | 33 | 32 | 36 |
| 200 | 308714 | 30x1.5 | 33x2 | 42.5 | 46 | 33 | 41 | 36 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE KOLANOWE NASTAWNE WYDŁUŻONE Z GWINTEM METRYCZNYM Z PRZECIWNAKRĘTKĄ Z USZCZELNIENIEM TYPU O-RING

LONG 90° ADJUSTABLE STUD ELBOW ADAPTER WITH O-RING AND WASHER - THREAD METRIC PARALLEL

3089...



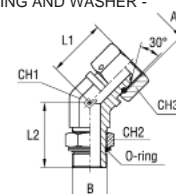
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|--------|--------|----|------|-----|-----|
| 350 | 308901 | 12x1.5 | 10x1 | 21 | 46 | 11 | 14 |
| | 308902 | 12x1.5 | 12x1.5 | 21 | 56 | 14 | 17 |
| | 308903 | 14x1.5 | 12x1.5 | 21 | 56 | 14 | 17 |
| 315 | 308904 | 14x1.5 | 14x1.5 | 26 | 56 | 14 | 19 |
| | 308905 | 16x1.5 | 14x1.5 | 29 | 64 | 19 | 19 |
| | 308906 | 16x1.5 | 16x1.5 | 29 | 67 | 19 | 22 |
| | 308907 | 18x1.5 | 16x1.5 | 29 | 67 | 19 | 22 |
| | 308908 | 18x1.5 | 18x1.5 | 29 | 67 | 19 | 24 |
| | 308909 | 22x1.5 | 18x1.5 | 34 | 75.5 | 22 | 24 |
| 250 | 308910 | 22x1.5 | 22x1.5 | 34 | 78 | 22 | 27 |
| | 308911 | 26x1.5 | 22x1.5 | 41 | 93 | 27 | 27 |
| | 308912 | 26x1.5 | 27x2 | 41 | 95 | 27 | 32 |
| | 308913 | 30x1.5 | 27x2 | 45 | 105 | 33 | 32 |
| 200 | 308914 | 30x1.5 | 33x2 | 45 | 105 | 33 | 41 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE KOLANOWE 45° NAKRĘTNE Z GWINTEM BSP Z PRZECIWNAKRĘTKĄ Z USZCZELNIENIEM TYPU O-RING

45° ADJUSTABLE ELBOW ADAPTER WITH SWIVEL NUT O-RING AND WASHER - THREAD BSP PARALLEL

3086...



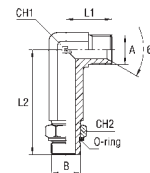
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 | CH3 |
|-----------------|---|-------|-------|------|------|-----|-----|-----|
| 350 | 308601 | 1/8 | 1/8 | 23 | 26 | 11 | 14 | 14 |
| | 308602 | 1/4 | 1/8 | 25 | 27 | 14 | 14 | 19 |
| 315 | 308603 | 1/4 | 1/4 | 25 | 29 | 14 | 19 | 19 |
| | 308604 | 3/8 | 1/4 | 29 | 30 | 19 | 19 | 22 |
| 250 | 308605 | 3/8 | 3/8 | 29 | 33 | 19 | 22 | 22 |
| | 308606 | 1/2 | 3/8 | 32 | 35 | 22 | 22 | 27 |
| | 308607 | 1/2 | 1/2 | 32 | 38.5 | 22 | 30 | 27 |
| | 308608 | 3/4 | 1/2 | 41.5 | 38.5 | 27 | 30 | 32 |
| | 308609 | 3/4 | 3/4 | 41.5 | 44 | 27 | 36 | 32 |
| | 308610 | 1 | 3/4 | 45 | 44 | 33 | 36 | 41 |
| 200 | 308611 | 1 | 1 | 45 | 47 | 33 | 41 | 41 |
| | 308612 | 1 1/4 | 1 | 47 | 45 | 41 | 41 | 50 |
| | 308613 | 1 1/4 | 1 1/4 | 47 | 48 | 41 | 50 | 50 |
| 160 | 308614 | 1 1/2 | 1 1/4 | 58.5 | 48 | 48 | 50 | 55 |
| | 308615 | 1 1/2 | 1 1/2 | 58.5 | 48 | 48 | 55 | 55 |
| 125 | 308616 | 2 | 1 1/2 | 72 | 57 | 65 | 55 | 70 |
| | 308617 | 2 | 2 | 72 | 57 | 65 | 70 | 70 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

PRZYŁĄCZE KOLANOWE NASTAWNE WYDŁUŻONE Z GWINTEM BSP Z PRZECIWNAKRĘTKĄ Z USZCZELNIENIEM TYPU O-RING

LONG 90° ADJUSTABLE STUD ELBOW ADAPTER WITH O-RING AND WASHER - THREAD BSP PARALLEL

3088...



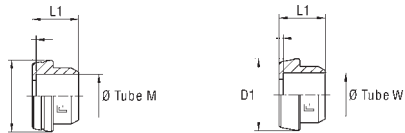
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | A | B | L1 | L2 | CH1 | CH2 |
|-----------------|---|-------|-------|----|------|-----|-----|
| 350 | 308801 | 1/8 | 1/8 | 21 | 46 | 11 | 14 |
| | 308802 | 1/4 | 1/8 | 26 | 49.5 | 14 | 14 |
| 315 | 308803 | 1/4 | 1/4 | 26 | 56.5 | 14 | 19 |
| | 308804 | 3/8 | 1/4 | 29 | 66.5 | 19 | 19 |
| 250 | 308805 | 3/8 | 3/8 | 29 | 67 | 19 | 22 |
| | 308806 | 1/2 | 3/8 | 34 | 74.5 | 22 | 22 |
| | 308807 | 1/2 | 1/2 | 34 | 78 | 22 | 30 |
| | 308808 | 3/4 | 1/2 | 41 | 88 | 27 | 30 |
| | 308809 | 3/4 | 3/4 | 41 | 92 | 27 | 36 |
| | 308810 | 1 | 3/4 | 45 | 104 | 33 | 36 |
| 200 | 308811 | 1 | 1 | 45 | 105 | 33 | 41 |
| | 308812 | 1 1/4 | 1 | 52 | 124 | 41 | 41 |
| | 308813 | 1 1/4 | 1 1/4 | 52 | 124 | 41 | 50 |
| 160 | 308814 | 1 1/2 | 1 1/4 | 59 | 135 | 48 | 50 |
| | 308815 | 1 1/2 | 1 1/2 | 59 | 135 | 48 | 55 |
| 125 | 308816 | 2 | 1 1/2 | 78 | 146 | 65 | 55 |
| | 308817 | 2 | 2 | 78 | 146 | 65 | 70 |

* Elementy dostępne wyłącznie na zamówienie (Articles available on request only)

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 30.. na 31.. np. 308601 na 318601.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 30.. to 31.. ex. 308601 to 318601

TULEJA SLEEVE

4001...



| Ciśnienie (Bar) | Kod zamówienia dla rury metrycznej (Ordering metric tube) * | Kod zamówienia dla rury calowej (Ordering Inch tube) * | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | D1 | L1 |
|-----------------|---|--|---------------------|---------------------|-------|------|
| 630 | 400101 | 400101.W | 6 | 1/4 | 12,75 | 7,5 |
| | 400102 | 400102.W | 10 | 3/8 | 15,75 | 8,5 |
| | 400103 | 400103.W | 12 | 1/2 | 18,9 | 10,5 |
| 420 | 400104 | 400104.W | 16 | 5/8 | 23,45 | 10,5 |
| | 400105 | 400105.W | 20 | 3/4 | 27,85 | 12 |
| | 400106 | 400106.W | 25 | 1 | 34,2 | 13,5 |
| 280 | 400107 | 400107.W | 30 | 1 1/4 | 40,55 | 13 |
| | 400108 | 400108.W | 38 | 1 1/2 | 48,5 | 12,5 |
| 630 | 400109 | 400109.W | 8 | 5/16 | 15,75 | 8,5 |
| | 400110 | - | 14 | - | 23,45 | 10,5 |
| 420 | 400111 | - | 15 | - | 23,45 | 10,5 |
| | 400112 | - | 18 | - | 27,85 | 12 |
| | 400113 | 400113.W | 22 | 7/8 | 34,2 | 13,5 |
| | 400114 | - | 28 | - | 40,55 | 13 |
| 280 | 400115 | - | 32 | - | 40,55 | 13 |
| | 400116 | - | 35 | - | 48,5 | 12,5 |

NAKRĘTKA NUT

4003...

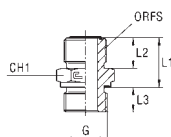


| Ciśnienie (Bar) | Kod zamówienia nakrętki (Ordering nut) * | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | ORFS | D1 | L1 |
|-----------------|--|---------------------|---------------------|------------|------|----|
| 630 | 400301 | 6 | 1/4 | 9/16-18 | 15 | 17 |
| | 400302 | 8-10 | 5/16-3/8 | 11/16-16 | 17 | 22 |
| | 400303 | 12 | 1/2 | 13/16-16 | 20 | 24 |
| 420 | 400304 | 14-15-16 | 5/8 | 1-14 | 24 | 30 |
| | 400305 | 18-20 | 3/4 | 1 3/16-12 | 26,5 | 36 |
| | 400306 | 22-25 | 7/8-1 | 1 7/16-12 | 27,5 | 41 |
| 280 | 400307 | 28-30-32 | 1 1/4 | 1 11/16-12 | 27,5 | 50 |
| | 400308 | 35-38 | 1 1/2 | 2-12 | 27,5 | 60 |

KORPUS PRZYŁĄCZA PROSTEGO Z GWIEMEM BSP I USZCZELNIENIEM ELASTOMEROWYM

MALE STUD COUPLING WITH ELASTOMER SEAL - THREAD BSP PARALLEL

4004...



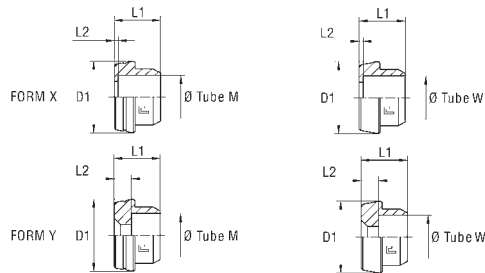
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) * | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | L3 | CH1 | ORFS |
|-----------------|--|---------------------|---------------------|-------|-------|------|------|-----|------------|
| 630 | 400401 | 6 | 1/4 | 1/8 | 17,5 | 10 | 8 | 17 | 9/16-18 |
| | 400402 | 8-10 | 5/16-3/8 | 1/4 | 20 | 11 | 12 | 19 | 11/16-16 |
| | 400403 | 12 | 1/2 | 3/8 | 22,5 | 13 | 12 | 22 | 13/16-16 |
| 420 | 400404 | 14-15-16 | 5/8 | 1/2 | 27 | 15,5 | 14 | 27 | 1-14 |
| | 400405 | 18-20 | 3/4 | 3/4 | 30 | 17 | 16 | 32 | 1 3/16-12 |
| | 400406 | 22-25 | 7/8-1 | 1 | 32 | 17,5 | 18 | 41 | 1 7/16-12 |
| 280 | 400407 | 28-30-32 | 1 1/4 | 1 1/4 | 34 | 17,5 | 20 | 50 | 1 11/16-12 |
| | 400408 | 35-38 | 1 1/2 | 1 1/2 | 35,5 | 17,5 | 22 | 55 | 2-12 |
| 630 | 400409 | 6 | 1/4 | 1/4 | 19 | 10 | 12 | 19 | 9/16-18 |
| | 400410 | 6 | 1/4 | 3/8 | 19,5 | 10 | 12 | 22 | 9/16-18 |
| | 400411 | 6 | 1/4 | 1/2 | 21,5 | 10 | 14 | 27 | 9/16-18 |
| | 400412 | 8-10 | 5/16-3/8 | 1/8 | 19,5 | 11 | 8 | 19 | 11/16-16 |
| | 400413 | 8-10 | 5/16-3/8 | 3/8 | 20,5 | 11 | 12 | 22 | 11/16-16 |
| 420 | 400414 | 8-10 | 5/16-3/8 | 1/2 | 22,5 | 11 | 14 | 27 | 11/16-16 |
| | 400415 | 8-10 | 5/16-3/8 | 3/4 | 24 | 11 | 16 | 32 | 11/16-16 |
| 630 | 400416 | 12 | 1/2 | 1/4 | 23 | 13 | 12 | 22 | 13/16-16 |
| | 400417 | 12 | 1/2 | 1/2 | 24,5 | 13 | 14 | 27 | 13/16-16 |
| 420 | 400418 | 12 | 1/2 | 3/4 | 26 | 13 | 16 | 32 | 13/16-16 |
| | 400419 | 14-15-16 | 5/8 | 1/4 | 26 | 15,5 | 12 | 27 | 1-14 |
| | 400420 | 14-15-16 | 5/8 | 3/8 | 26,5 | 15,5 | 12 | 27 | 1-14 |
| | 400421 | 14-15-16 | 5/8 | 3/4 | 28,5 | 15,5 | 16 | 32 | 1-14 |
| | 400422 | 14-15-16 | 5/8 | 1 | 30 | 15,5 | 18 | 41 | 1-14 |
| | 400423 | 18-20 | 3/4 | 1/4 | 29 | 17 | 12 | 32 | 1 3/16-12 |
| | 400424 | 18-20 | 3/4 | 1/2 | 30 | 17 | 14 | 32 | 1 3/16-12 |
| | 400425 | 18-20 | 3/4 | 1 | 31,5 | 17 | 18 | 41 | 1 3/16-12 |
| | 400426 | 18-20 | 3/4 | 1 1/4 | 33,5 | 17 | 20 | 50 | 1 3/16-12 |
| | 400427 | 22-25 | 7/8-1 | 1/4 | 31 | 17,5 | 12 | 41 | 1 7/16-12 |
| | 400428 | 22-25 | 7/8-1 | 3/4 | 32 | 17,5 | 16 | 41 | 1 7/16-12 |
| | 400429 | 22-25 | 7/8-1 | 1 1/4 | 34 | 17,5 | 20 | 50 | 1 7/16-12 |
| | 280 | 400430 | 22-25 | 7/8-1 | 1 1/2 | 35,5 | 17,5 | 22 | 55 |
| 400431 | | 28-30-32 | 1 1/4 | 1 | 34 | 17,5 | 18 | 46 | 1 11/16-12 |
| 400432 | | 28-30-32 | 1 1/4 | 1 1/2 | 35,5 | 17,5 | 22 | 55 | 1 11/16-12 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 40.. na 41.. np. 400201 na 410201.
 * Note: If you wish to order a fitting in stainless steel, please change the first two digit from 40.. to 41.. ex. 400201 to 410201.

TULEJA DO LUTOWANIA

BRAZE SLEEVE

4002...

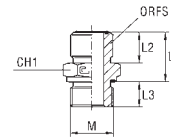


| Ciśnienie (Bar) | Kod zamówienia dla rury metrycznej (Ordering metric tube) * | Kod zamówienia dla rury calowej (Ordering Inch tube) * | Ø Rury A ^M (Ø Tube A ^M) | Ø Rury B ^M (Ø Tube B ^M) | Ø Rury A ^W (Ø Tube A ^W) | Ø Rury B ^W (Ø Tube B ^W) | FORMA (FORM) | D1 | L1 | L2 |
|-----------------|---|--|--|--|--|--|--------------|-------|------|-----|
| 630 | 400201 | 400201.W | 6 | - | 1/4 | - | X | 12,75 | 9,5 | 1 |
| | 400202 | 400202.W | 10 | - | 3/8 | - | X | 15,75 | 9,5 | 1 |
| | 400203 | 400203.W | 12 | - | 1/2 | - | X | 18,9 | 9,5 | 1 |
| 420 | 400204 | 400204.W | 16 | - | 5/8 | - | X | 23,45 | 10,5 | 1,5 |
| | 400205 | 400205.W | 20 | - | 3/4 | - | X | 27,85 | 14 | 1,5 |
| | 400206 | 400206.W | 25 | - | 1 | - | X | 34,2 | 15,5 | 1,5 |
| 280 | 400207 | 400207.W | 30 | - | 1 1/4 | - | X | 40,55 | 15,5 | 1,5 |
| | 400208 | 400208.W | 38 | - | 1 1/2 | - | X | 48,5 | 15,5 | 1,5 |
| 630 | 400209 | 400209.W | 8 | - | 5/16 | - | X | 15,75 | 9,5 | 1 |
| | 400210 | - | 14 | - | - | - | X | 23,45 | 10,5 | 1,5 |
| 420 | 400211 | - | 15 | - | - | - | X | 23,45 | 10,5 | 1,5 |
| | 400212 | - | 18 | - | - | - | X | 27,85 | 14 | 1,5 |
| | 400213 | 400213.W | 22 | - | 7/8 | - | X | 34,2 | 15,5 | 1,5 |
| | 400214 | - | 28 | - | - | - | X | 40,55 | 15,5 | 1,5 |
| 280 | 400215 | - | 32 | - | - | - | X | 40,55 | 15,5 | 1,5 |
| | 400216 | - | 35 | - | - | - | X | 48,5 | 15,5 | 1,5 |
| 630 | 400217 | 400217.W | 8-10 | 6 | 5/16-3/8 | 1/4 | Y | 15,75 | 10,5 | 2 |
| | 400218 | 400218.W | 12 | 6 | 1/2 | 1/4 | Y | 18,9 | 12 | 3,5 |
| | 400219 | 400219.W | 12 | 10 | 1/2 | 3/8 | Y | 18,9 | 12 | 3,5 |
| 420 | 400220 | 400220.W | 14-15-16 | 6 | 5/8 | 1/4 | Y | 23,45 | 13,5 | 5 |
| | 400221 | 400221.W | 14-15-16 | 10 | 5/8 | 3/8 | Y | 23,45 | 13,5 | 5 |
| | 400222 | 400222.W | 14-15-16 | 12 | 5/8 | 1/2 | Y | 23,45 | 13,5 | 5 |
| | 400223 | 400223.W | 18-20 | 6 | 3/4 | 1/4 | Y | 27,85 | 14,5 | 6 |
| | 400224 | 400224.W | 18-20 | 10 | 3/4 | 3/8 | Y | 27,85 | 14,5 | 6 |
| | 400225 | 400225.W | 18-20 | 12 | 3/4 | 1/2 | Y | 27,85 | 14,5 | 6 |
| | 400226 | 400226.W | 18-20 | 16 | 3/4 | 5/8 | Y | 27,85 | 14,5 | 5,5 |
| | 400227 | 400227.W | 22-25 | 12 | 7/8-1 | 1/2 | Y | 34,2 | 15,5 | 7 |
| | 400228 | 400228.W | 22-25 | 16 | 7/8-1 | 5/8 | Y | 34,2 | 15,5 | 6,5 |
| | 400229 | 400229.W | 22-25 | 20 | 7/8-1 | 3/4 | Y | 34,2 | 17 | 4,5 |
| 280 | 400230 | 400230.W | 22-25 | 22 | 7/8-1 | 7/8 | Y | 34,2 | 17 | 3 |
| | 400231 | 400231.W | 28-30-32 | 20 | 1 1/4 | 3/4 | Y | 40,55 | 19,5 | 7 |
| 420 | 400232 | 400232.W | 28-30-32 | 25 | 1 1/4 | 1 | Y | 40,55 | 21 | 7 |
| | 400233 | 400233.W | 35-38 | 25 | 1 1/2 | 1 | Y | 48,5 | 21 | 7 |
| | 400234 | 400234.W | 32-38 | 30 | 1 1/2 | 1 1/4 | Y | 48,5 | 21 | 7 |

KORPUS PRZYŁĄCZA PROSTEGO Z GWIEMEM METRYCZNYM I USZCZELNIENIEM ELASTOMEROWYM

MALE STUD COUPLING WITH ELASTOMER SEAL - THREAD METRIC PARALLEL

4005...

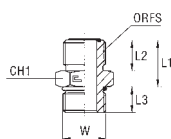


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) * | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | M | L1 | L2 | L3 | CH1 | ORFS |
|-----------------|--|---------------------|---------------------|--------|------|------|----|-----|------------|
| 630 | 400501 | 6 | 1/4 | 12x1,5 | 18 | 10 | 12 | 17 | 9/16-18 |
| | 400502 | 8-10 | 5/16-3/8 | 14x1,5 | 20 | 11 | 12 | 19 | 11/16-16 |
| | 400503 | 12 | 1/2 | 18x1,5 | 22,5 | 13 | 12 | 24 | 13/16-16 |
| 420 | 400504 | 14-15-16 | 5/8 | 22x1,5 | 27 | 15,5 | 14 | 27 | 1-14 |
| | 400505 | 18-20 | 3/4 | 27x2 | 30 | 17 | 16 | 32 | 1 3/16-12 |
| | 400506 | 22-25 | 7/8-1 | 33x2 | 32 | 17,5 | 18 | 41 | 1 7/16-12 |
| 280 | 400507 | 28-30-32 | 1 1/4 | 42x2 | 34 | 17,5 | 20 | 50 | 1 11/16-12 |
| | 400508 | 35-38 | 1 1/2 | 48x2 | 35,5 | 17,5 | 22 | 55 | 2-12 |
| 350 | 400509 | 6 | 1/4 | 10x1 | 17,5 | 10 | 8 | 17 | 9/16-18 |
| | 400510 | 6 | 1/4 | 14x1,5 | 19 | 10 | 12 | 19 | 9/16-18 |
| 630 | 400511 | 8-10 | 5/16-3/8 | 12x1,5 | 20 | 11 | 12 | 19 | 11/16-16 |
| | 400512 | 8-10 | 5/16-3/8 | 16x1,5 | 22 | 11 | 12 | 22 | 11/16-16 |
| | 400513 | 8-10 | 5/16-3/8 | 18x1,5 | 20,5 | 11 | 12 | 24 | 11/16-16 |
| | 400514 | 12 | 1/2 | 14x1,5 | 23 | 13 | 12 | 22 | 13/16-16 |
| | 400515 | 12 | 1/2 | 16x1,5 | 22,5 | 13 | 12 | 22 | 13/16-16 |
| 420 | 400516 | 12 | 1/2 | 22x1,5 | 24,5 | 13 | 14 | 27 | 13/16-16 |
| | 400517 | 14-15-16 | 5/8 | 18x1,5 | 26,5 | 15,5 | 12 | 27 | 1-14 |
| | 400518 | 14-15-16 | 5/8 | 27x2 | 28,5 | 15,5 | 16 | 32 | 1-14 |
| | 400519 | 18-20 | 3/4 | 22x1,5 | 30 | 17 | 14 | 32 | 1 3/16-12 |
| | 400520 | 18-20 | 3/4 | 33x2 | 31,5 | 17 | 18 | 41 | 1 3/16-1 |

KORPUS PRZYŁĄCZA PROSTEGO Z GWINTEM UNF/UN-2A I USZCZELNIENIEM TYPU O-RING

MALE STUD COUPLING WITH O-RING - THREAD UNF/UN-2A

4006...

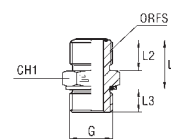


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | W | L1 | L2 | L3 | CH1 | ORFS | |
|-----------------|---|---------------------|---------------------|-----------|-----------|------|------|------|----------|----------|
| 630 | 400601 | 6 | 1/4 | 7/16-20 | 18 | 10 | 11 | 17 | 9/16-18 | |
| | 400602 | 8-10 | 5/16-3/8 | 9/16-18 | 20 | 11 | 12 | 19 | 11/16-16 | |
| | 400603 | 12 | 1/2 | 3/4-16 | 22,5 | 13 | 14 | 22 | 13/16-16 | |
| 420 | 400604 | 14-15-16 | 5/8 | 7/8-14 | 27 | 15,5 | 16 | 27 | 1-14 | |
| | 400605 | 18-20 | 3/4 | 1 1/16-12 | 30 | 17 | 18,5 | 32 | 13/16-12 | |
| | 400606 | 22-25 | 7/8-1 | 1 5/16-12 | 32 | 17,5 | 18,5 | 41 | 17/16-12 | |
| 280 | 400607 | 28-30-32 | 1 1/4 | 1 5/8-12 | 33,5 | 17,5 | 18,5 | 46 | 11/16-12 | |
| | 400608 | 35-38 | 1 1/2 | 1 7/8-12 | 35,5 | 17,5 | 18,5 | 55 | 2-12 | |
| 630 | 400609 | 6 | 1/4 | 1/2-20 | 18 | 10 | 11 | 17 | 9/16-18 | |
| | 400610 | 6 | 1/4 | 9/16-18 | 19 | 10 | 12 | 19 | 9/16-18 | |
| | 400611 | 6 | 1/4 | 3/4-16 | 19,5 | 10 | 14 | 22 | 9/16-18 | |
| | 400612 | 8-10 | 5/16-3/8 | 7/16-20 | 20 | 11 | 11 | 19 | 11/16-16 | |
| | 400613 | 8-10 | 5/16-3/8 | 1/2-20 | 20 | 11 | 11 | 19 | 11/16-16 | |
| | 400614 | 8-10 | 5/16-3/8 | 3/4-16 | 20,5 | 11 | 14 | 22 | 11/16-16 | |
| | 400615 | 8-10 | 5/16-3/8 | 7/8-14 | 22,5 | 11 | 16 | 27 | 11/16-16 | |
| | 420 | 400616 | 8-10 | 5/16-3/8 | 1 1/16-12 | 24 | 11 | 18,5 | 32 | 13/16-16 |
| | 630 | 400617 | 12 | 1/2 | 9/16-18 | 22,5 | 13 | 12 | 22 | 13/16-16 |
| | 420 | 400618 | 12 | 1/2 | 7/8-14 | 24,5 | 13 | 16 | 27 | 13/16-16 |
| 420 | 400619 | 12 | 1/2 | 1 1/16-12 | 26 | 13 | 18,5 | 32 | 13/16-16 | |
| | 400620 | 12 | 1/2 | 1 5/16-12 | 27,5 | 13 | 18,5 | 41 | 13/16-16 | |
| | 400621 | 14-15-16 | 5/8 | 3/4-16 | 27 | 15,5 | 14 | 27 | 1-14 | |
| | 400622 | 14-15-16 | 5/8 | 1 1/16-12 | 28,5 | 15,5 | 18,5 | 32 | 1-14 | |
| | 400623 | 18-20 | 3/4 | 3/4-16 | 30 | 17 | 14 | 32 | 13/16-12 | |
| | 400624 | 18-20 | 3/4 | 7/8-14 | 30 | 17 | 16 | 32 | 13/16-12 | |
| | 400625 | 18-20 | 3/4 | 1 5/16-12 | 31,5 | 17 | 18,5 | 41 | 13/16-12 | |
| | 400626 | 22-25 | 7/8-1 | 1 1/16-12 | 32 | 17,5 | 18,5 | 41 | 17/16-12 | |
| | 400627 | 22-25 | 7/8-1 | 1 5/8-12 | 33,5 | 17,5 | 18,5 | 46 | 17/16-12 | |
| | 280 | 400628 | 28-30-32 | 1 1/4 | 1 5/16-12 | 33,5 | 17,5 | 18,5 | 46 | 11/16-12 |
| 280 | 400629 | 28-30-32 | 1 1/4 | 1 7/8-12 | 35,5 | 17,5 | 18,5 | 55 | 11/16-12 | |
| | 400630 | 35-38 | 1 1/2 | 1 5/8-12 | 35,5 | 17,5 | 18,5 | 55 | 2-12 | |

KORPUS PRZYŁĄCZA PROSTEGO Z GWINTEM BSP I USZCZELNIENIEM TYPU O-RING

MALE STUD COUPLING WITH O-RING AND WASHER - THREAD BSP PARALLEL

4007...

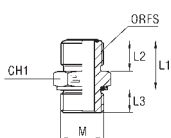


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | L3 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|-------|------|------|------|-----|----------|
| 350 | 400701 | 6 | 1/4 | 1/8 | 18,8 | 10 | 6,7 | 17 | 9/16-18 |
| 400 | 400702 | 8-10 | 5/16-3/8 | 1/4 | 21,8 | 11 | 10,2 | 19 | 11/16-16 |
| 350 | 400703 | 12 | 1/2 | 3/8 | 24,3 | 13 | 10,2 | 22 | 13/16-16 |
| 315 | 400704 | 14-15-16 | 5/8 | 1/2 | 28,8 | 15,5 | 12,2 | 27 | 1-14 |
| | 400705 | 18-20 | 3/4 | 3/4 | 31,8 | 17 | 14,2 | 36 | 13/16-12 |
| | 400706 | 22-25 | 7/8-1 | 1 | 34,6 | 17,5 | 15,4 | 41 | 17/16-12 |
| 280 | 400707 | 28-30-32 | 1 1/4 | 1 1/4 | 36,6 | 17,5 | 17,4 | 50 | 11/16-12 |
| 250 | 400708 | 35-38 | 1 1/2 | 1 1/2 | 38,1 | 17,5 | 19,4 | 55 | 2-12 |
| 400 | 400709 | 6 | 1/4 | 1/4 | 20,8 | 10 | 10,2 | 19 | 9/16-18 |
| 350 | 400710 | 6 | 1/4 | 3/8 | 21,3 | 10 | 10,2 | 22 | 9/16-18 |
| 315 | 400711 | 6 | 1/4 | 1/2 | 23,3 | 10 | 12,2 | 27 | 9/16-18 |
| 350 | 400712 | 8-10 | 5/16-3/8 | 1/8 | 20,8 | 11 | 6,7 | 19 | 11/16-16 |
| | 400713 | 8-10 | 5/16-3/8 | 3/8 | 22,3 | 11 | 10,2 | 22 | 11/16-16 |
| 315 | 400714 | 8-10 | 5/16-3/8 | 1/2 | 24,3 | 11 | 12,2 | 27 | 11/16-16 |
| | 400715 | 8-10 | 5/16-3/8 | 3/4 | 25,8 | 11 | 14,2 | 36 | 11/16-16 |
| 400 | 400716 | 12 | 1/2 | 1/4 | 24,8 | 13 | 10,2 | 22 | 13/16-16 |
| 400 | 400717 | 12 | 1/2 | 1/2 | 26,3 | 13 | 12,2 | 27 | 13/16-16 |
| 315 | 400718 | 12 | 1/2 | 3/4 | 27,8 | 13 | 14,2 | 36 | 13/16-16 |
| 400 | 400719 | 14-15-16 | 5/8 | 1/4 | 27,8 | 15,5 | 10,2 | 27 | 1-14 |
| 350 | 400720 | 14-15-16 | 5/8 | 3/8 | 28,3 | 15,5 | 10,2 | 27 | 1-14 |
| 315 | 400721 | 14-15-16 | 5/8 | 3/4 | 30,3 | 15,5 | 14,2 | 36 | 1-14 |
| 280 | 400722 | 14-15-16 | 5/8 | 1 | 32,6 | 15,5 | 15,4 | 41 | 1-14 |
| 400 | 400723 | 18-20 | 3/4 | 1/4 | 30,8 | 17 | 10,2 | 32 | 13/16-12 |
| 315 | 400724 | 18-20 | 3/4 | 1/2 | 31,8 | 17 | 12,2 | 32 | 13/16-12 |
| 200 | 400725 | 18-20 | 3/4 | 1 | 34,1 | 17 | 15,4 | 41 | 13/16-12 |
| | 400726 | 18-20 | 3/4 | 1 1/4 | 36,1 | 17 | 17,4 | 50 | 13/16-12 |
| 400 | 400727 | 22-25 | 7/8-1 | 1/4 | 32,8 | 17,5 | 10,2 | 41 | 17/16-12 |
| 315 | 400728 | 22-25 | 7/8-1 | 3/4 | 33,8 | 17,5 | 14,2 | 41 | 17/16-12 |
| 280 | 400729 | 22-25 | 7/8-1 | 1 1/4 | 36,6 | 17,5 | 17,4 | 50 | 17/16-12 |
| 250 | 400730 | 22-25 | 7/8-1 | 1 1/2 | 38,1 | 17,5 | 19,4 | 55 | 17/16-12 |
| 280 | 400731 | 28-30-32 | 1 1/4 | 1 | 36,6 | 17,5 | 15,4 | 46 | 11/16-12 |
| 250 | 400732 | 28-30-32 | 1 1/4 | 1 1/2 | 38,1 | 17,5 | 19,4 | 55 | 11/16-12 |

KORPUS PRZYŁĄCZA PROSTEGO Z GWINTEM METRYCZNYM I USZCZELNIENIEM TYPU O-RING

MALE STUD COUPLING WITH O-RING AND WASHER - THREAD METRIC PARALLEL

4008...

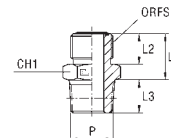


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | M | L1 | L2 | L3 | CH1 | ORFS | |
|-----------------|---|---------------------|---------------------|--------|--------|------|------|------|----------|----------|
| 400 | 400801 | 6 | 1/4 | 12x1,5 | 18,9 | 10 | 9,6 | 17 | 9/16-18 | |
| | 400802 | 8-10 | 5/16-3/8 | 14x1,5 | 21,4 | 11 | 9,6 | 19 | 11/16-16 | |
| | 400803 | 12 | 1/2 | 18x1,5 | 25,4 | 13 | 12,6 | 24 | 13/16-16 | |
| 315 | 400804 | 14-15-16 | 5/8 | 22x1,5 | 28,4 | 15,5 | 13,6 | 27 | 1-14 | |
| | 400805 | 18-20 | 3/4 | 27x2 | 32 | 17 | 16,5 | 32 | 13/16-12 | |
| | 400806 | 22-25 | 7/8-1 | 33x2 | 35,5 | 17,5 | 16,5 | 41 | 17/16-12 | |
| 280 | 400807 | 28-30-32 | 1 1/4 | 42x2 | 37,5 | 17,5 | 17 | 50 | 11/16-12 | |
| 250 | 400808 | 35-38 | 1 1/2 | 48x2 | 37,5 | 17,5 | 19,5 | 55 | 2-12 | |
| 400 | 400809 | 6 | 1/4 | 10x1 | 19 | 10 | 8,5 | 17 | 9/16-18 | |
| | 400810 | 6 | 1/4 | 14x1,5 | 20,4 | 10 | 9,6 | 19 | 9/16-18 | |
| | 400811 | 8-10 | 5/16-3/8 | 12x1,5 | 21,4 | 11 | 9,6 | 19 | 11/16-16 | |
| | 400812 | 8-10 | 5/16-3/8 | 16x1,5 | 22,4 | 11 | 11,1 | 22 | 11/16-16 | |
| | 400813 | 8-10 | 5/16-3/8 | 18x1,5 | 23,4 | 11 | 12,6 | 24 | 11/16-16 | |
| | 400814 | 12 | 1/2 | 14x1,5 | 24,4 | 13 | 9,6 | 22 | 13/16-16 | |
| | 400815 | 12 | 1/2 | 16x1,5 | 24,4 | 13 | 11,1 | 22 | 13/16-16 | |
| | 315 | 400816 | 12 | 1/2 | 22x1,5 | 25,9 | 13 | 13,6 | 27 | 13/16-16 |
| | 400 | 400817 | 14-15-16 | 5/8 | 18x1,5 | 28,4 | 15,5 | 12,6 | 27 | 1-14 |
| | 315 | 400818 | 14-15-16 | 5/8 | 27x2 | 30,5 | 15,5 | 16,5 | 32 | 1-14 |
| 280 | 400819 | 18-20 | 3/4 | 22x1,5 | 31,4 | 17 | 13,6 | 32 | 13/16-12 | |
| 280 | 400820 | 18-20 | 3/4 | 33x2 | 35 | 17 | 16,5 | 41 | 13/16-12 | |
| 315 | 400821 | 22-25 | 7/8-1 | 27x2 | 35,5 | 17,5 | 16,5 | 41 | 17/16-12 | |
| 280 | 400822 | 22-25 | 7/8-1 | 42x2 | 37,5 | 17,5 | 17 | 50 | 17/16-12 | |
| | 400823 | 28-30-32 | 1 1/4 | 33x2 | 37,5 | 17,5 | 16,5 | 46 | 11/16-12 | |
| 250 | 400824 | 28-30-32 | 1 1/4 | 48x2 | 37,5 | 17,5 | 19,5 | 55 | 11/16-12 | |

KORPUS PRZYŁĄCZA PROSTEGO Z GWINTEM NPTF

MALE STUD COUPLING - THREAD NPTF

4009...



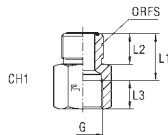
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | P | L1 | L2 | L3 | CH1 | ORFS | |
|-----------------|---|---------------------|---------------------|-------|------|------|------|------|----------|----------|
| 420 | 400901 | 6 | 1/4 | 1/8 | 17,5 | 10 | 10 | 17 | 9/16-18 | |
| 630 | 400902 | 8-10 | 5/16-3/8 | 1/4 | 20 | 11 | 14,5 | 19 | 11/16-16 | |
| | 400903 | 12 | 1/2 | 3/8 | 22,5 | 13 | 14,5 | 22 | 13/16-16 | |
| | 400904 | 14-15-16 | 5/8 | 1/2 | 27 | 15,5 | 19 | 27 | 1-14 | |
| 420 | 400905 | 18-20 | 3/4 | 3/4 | 30 | 17 | 19 | 32 | 13/16-12 | |
| | 400906 | 22-25 | 7/8-1 | 1 | 32 | 17,5 | 24 | 41 | 17/16-12 | |
| | 400907 | 28-30-32 | 1 1/4 | 1 1/4 | 34 | 17,5 | 25 | 46 | 11/16-12 | |
| 280 | 400908 | 35-38 | 1 1/2 | 1 1/2 | 35,5 | 17,5 | 26 | 55 | 2-12 | |
| 630 | 400909 | 6 | 1/4 | 1/4 | 17,5 | 10 | 14,5 | 17 | 9/16-18 | |
| | 400910 | 6 | 1/4 | 3/8 | 17,5 | 10 | 14,5 | 17 | 9/16-18 | |
| | 400911 | 8-10 | 5/16-3/8 | 3/8 | 20 | 11 | 14,5 | 19 | 11/16-16 | |
| | 400912 | 8-10 | 5/16-3/8 | 1/2 | 20,5 | 11 | 19 | 22 | 11/16-16 | |
| | 400913 | 12 | 1/2 | 1/4 | 22,5 | 13 | 14,5 | 22 | 13/16-16 | |
| | 400914 | 12 | 1/2 | 1/2 | 22,5 | 13 | 19 | 22 | 13/16-16 | |
| | 400915 | 12 | 1/2 | 3/4 | 24,5 | 13 | 19 | 27 | 13/16-16 | |
| | 420 | 400916 | 14-15-16 | 5/8 | 3/8 | 27 | 15,5 | 14,5 | 27 | 1-14 |
| | | 400917 | 14-15-16 | 5/8 | 3/4 | 27 | 15,5 | 19 | 27 | 1-14 |
| | | 400918 | 18-20 | 3/4 | 1/2 | 30 | 17 | 19 | 32 | 13/16-12 |
| 400919 | | 18-20 | 3/4 | 1 | 30 | 17 | 24 | 36 | 13/16-12 | |
| 280 | 400920 | 22-25 | 7/8-1 | 3/4 | 32 | 17,5 | 19 | 41 | 17/16-12 | |
| | 400921 | 28-30-32 | 1 1/4 | 1 | 34 | 17,5 | 24 | 46 | 11/16-12 | |
| 250 | 400922 | 35-38 | 1 1/2 | 1 1/4 | 35,5 | 17,5 | 25 | 55 | 2-12 | |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 40.. na 41.. np. 400201 na 410201.
 * Note: If you wish to order a fitting in stainless steel, please change the first two digit from 40.. to 41.. ex. 400201 to 410201.

KORPUS PRZYŁĄCZA PROSTEGO Z GWINTEM WEWNĘTRZNYM BSP

FEMALE STUD COUPLING - THREAD BSP

4010...

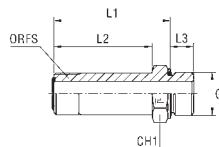


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | L3 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|-------|------|------|------|-----|-----------|
| 630 | 401001 | 6 | 1/4 | 1/4 | 17 | 10 | 14 | 19 | 9/16-18 |
| | 401002 | 8-10 | 5/16-3/8 | 1/4 | 18 | 11 | 14 | 19 | 11/16-16 |
| | 401003 | 12 | 1/2 | 3/8 | 21 | 13 | 14 | 24 | 13/16-16 |
| 420 | 401004 | 14-15-16 | 5/8 | 1/2 | 24,5 | 15,5 | 17 | 30 | 1-14 |
| | 401005 | 18-20 | 3/4 | 3/4 | 27 | 17 | 19 | 36 | 13/16-12 |
| | 401006 | 22-25 | 7/8-1 | 1 | 27 | 17,5 | 21,5 | 41 | 17/16-12 |
| 280 | 401007 | 28-30-32 | 1 1/4 | 1 1/4 | 30 | 17,5 | 23,5 | 55 | 1 1/16-12 |
| | 401008 | 35-38 | 1 1/2 | 1 1/2 | 30 | 17,5 | 25,5 | 60 | 2-12 |
| 630 | 401009 | 12 | 1/2 | 1/4 | 20 | 13 | 14 | 22 | 13/16-16 |
| 420 | 401010 | 18-20 | 3/4 | 1/2 | 26 | 17 | 17 | 32 | 13/16-12 |

KORPUS PRZYŁĄCZA WYDŁUŻONEGO Z GWINTEM BSP I USZCZELNIENIEM TYPU O-RING

LONG MALE STUD COUPLING WITH O-RING AND WASHER - THREAD BSP PARALLEL

4012...

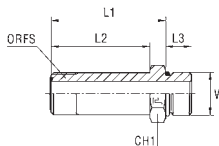


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | L3 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|-------|-------|------|------|-----|-----------|
| 350 | 401201 | 6 | 1/4 | 1/8 | 42,3 | 33,5 | 6,7 | 17 | 9/16-18 |
| 400 | 401202 | 8-10 | 5/16-3/8 | 1/4 | 47,8 | 37 | 10,2 | 19 | 11/16-16 |
| 350 | 401203 | 12 | 1/2 | 3/8 | 55,8 | 44,5 | 10,2 | 22 | 13/16-16 |
| 315 | 401204 | 14-15-16 | 5/8 | 1/2 | 65,8 | 52,5 | 12,2 | 27 | 1-14 |
| | 401205 | 18-20 | 3/4 | 3/4 | 78,8 | 64 | 14,2 | 36 | 13/16-12 |
| 280 | 401206 | 22-25 | 7/8-1 | 1 | 90,1 | 73 | 15,4 | 41 | 17/16-12 |
| | 401207 | 28-30-32 | 1 1/4 | 1 1/4 | 105,6 | 86,5 | 17,4 | 50 | 1 1/16-12 |
| 250 | 401208 | 35-38 | 1 1/2 | 1 1/2 | 117,6 | 97 | 19,4 | 55 | 2-12 |
| 400 | 401209 | 6 | 1/4 | 1/4 | 44,3 | 33,5 | 10,2 | 19 | 9/16-18 |
| 400 | 401210 | 6 | 1/4 | 3/8 | 44,8 | 33,5 | 10,2 | 22 | 9/16-18 |
| 350 | 401211 | 8-10 | 5/16-3/8 | 3/8 | 48,3 | 37 | 10,2 | 22 | 11/16-16 |
| 315 | 401212 | 8-10 | 5/16-3/8 | 1/2 | 50,3 | 37 | 12,2 | 27 | 11/16-16 |
| 400 | 401213 | 12 | 1/2 | 1/4 | 56,3 | 44,5 | 10,2 | 22 | 13/16-16 |
| 315 | 401214 | 12 | 1/2 | 1/2 | 57,8 | 44,5 | 12,2 | 27 | 13/16-16 |
| | 401215 | 12 | 1/2 | 3/4 | 59,3 | 44,5 | 14,2 | 36 | 13/16-16 |
| 350 | 401216 | 14-15-16 | 5/8 | 3/8 | 65,3 | 52,5 | 10,2 | 27 | 1-14 |
| | 401217 | 14-15-16 | 5/8 | 3/4 | 67,3 | 52,5 | 14,2 | 36 | 1-14 |
| 315 | 401218 | 18-20 | 3/4 | 1/2 | 78,8 | 64 | 12,2 | 32 | 13/16-12 |
| | 401219 | 18-20 | 3/4 | 1 | 81,1 | 64 | 15,4 | 41 | 13/16-12 |
| 200 | 401220 | 18-20 | 3/4 | 1 1/4 | 83,1 | 64 | 17,4 | 50 | 13/16-12 |
| 315 | 401221 | 22-25 | 7/8-1 | 3/4 | 89,3 | 73 | 14,2 | 41 | 17/16-12 |
| 280 | 401222 | 22-25 | 7/8-1 | 1 1/4 | 92,1 | 73 | 17,4 | 50 | 17/16-12 |
| | 401223 | 28-30-32 | 1 1/4 | 1 | 105,6 | 86,5 | 15,4 | 46 | 1 1/16-12 |

KORPUS PRZYŁĄCZA WYDŁUŻONEGO Z GWINTEM UNF/UN-2A I USZCZELNIENIEM TYPU O-RING

LONG MALE STUD COUPLING WITH O-RING - THREAD UNF/UN-2A

4014...



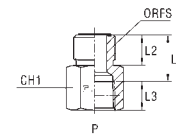
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | W | L1 | L2 | L3 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|-----------|-------|------|------|-----|-----------|
| 630 | 401401 | 6 | 1/4 | 7/16-20 | 41,5 | 33,5 | 11 | 17 | 9/16-18 |
| | 401402 | 8-10 | 5/16-3/8 | 9/16-18 | 46 | 37 | 12 | 19 | 11/16-16 |
| | 401403 | 12 | 1/2 | 3/4-16 | 54 | 44,5 | 14 | 22 | 13/16-16 |
| 420 | 401404 | 14-15-16 | 5/8 | 7/8-14 | 64 | 52,5 | 16 | 27 | 1-14 |
| | 401405 | 18-20 | 3/4 | 1 1/16-12 | 77 | 64 | 18,5 | 32 | 13/16-12 |
| | 401406 | 22-25 | 7/8-1 | 1 5/16-12 | 87,5 | 73 | 18,5 | 41 | 17/16-12 |
| 280 | 401407 | 28-30-32 | 1 1/4 | 1 5/8-12 | 102,5 | 86,5 | 18,5 | 46 | 1 1/16-12 |
| | 401408 | 35-38 | 1 1/2 | 1 7/8-12 | 115 | 97 | 18,5 | 55 | 2-12 |
| 630 | 401409 | 8-10 | 5/16-3/8 | 7/16-20 | 46 | 37 | 11 | 19 | 11/16-16 |
| | 401410 | 8-10 | 5/16-3/8 | 3/4-16 | 46,5 | 37 | 14 | 22 | 11/16-16 |
| | 401411 | 12 | 1/2 | 7/8-14 | 56 | 44,5 | 16 | 27 | 13/16-16 |
| 420 | 401412 | 14-15-16 | 5/8 | 3/4-16 | 64 | 52,5 | 14 | 27 | 1-14 |
| | 401413 | 14-15-16 | 5/8 | 1 1/16-12 | 65,5 | 52,5 | 18,5 | 32 | 1-14 |
| | 401414 | 18-20 | 3/4 | 7/8-14 | 77 | 64 | 16 | 32 | 13/16-12 |
| | 401415 | 18-20 | 3/4 | 1 5/16-12 | 78,5 | 64 | 18,5 | 41 | 13/16-12 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 40.. na 41.. np. 400201 na 410201.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 40.. to 41.. ex. 400201 to 410201.

KORPUS PRZYŁĄCZA PROSTEGO Z GWINTEM WEWNĘTRZNYM NPTF

FEMALE STUD COUPLING - THREAD NPTF

4011...

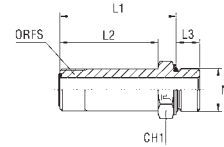


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | P | L1 | L2 | L3 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|-------|------|------|------|-----|-----------|
| 630 | 401101 | 6 | 1/4 | 1/4 | 17,5 | 10 | 14 | 19 | 9/16-18 |
| | 401102 | 8-10 | 5/16-3/8 | 1/4 | 18,5 | 11 | 14 | 19 | 11/16-16 |
| | 401103 | 12 | 1/2 | 3/8 | 21,5 | 13 | 14,5 | 24 | 13/16-16 |
| 420 | 401104 | 14-15-16 | 5/8 | 1/2 | 25 | 15,5 | 19 | 30 | 1-14 |
| | 401105 | 18-20 | 3/4 | 3/4 | 27,5 | 17 | 19,5 | 36 | 13/16-12 |
| | 401106 | 22-25 | 7/8-1 | 1 | 30,5 | 17,5 | 23,5 | 41 | 17/16-12 |
| 280 | 401107 | 28-30-32 | 1 1/4 | 1 1/4 | 32,5 | 17,5 | 24 | 55 | 1 1/16-12 |
| | 401108 | 35-38 | 1 1/2 | 1 1/2 | 32,5 | 17,5 | 24 | 60 | 2-12 |
| 630 | 401109 | 12 | 1/2 | 1/4 | 20,5 | 13 | 14 | 22 | 13/16-16 |
| 420 | 401110 | 18-20 | 3/4 | 1/2 | 26,5 | 17 | 19 | 32 | 13/16-12 |

KORPUS PRZYŁĄCZA WYDŁUŻONEGO Z GWINTEM METRYCZNYM I USZCZELNIENIEM TYPU O-RING

LONG MALE STUD COUPLING WITH O-RING AND WASHER - THREAD METRIC PARALLEL

4013...

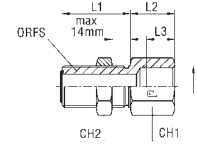


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | M | L1 | L2 | L3 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|--------|-------|------|------|-----|-----------|
| 400 | 401301 | 6 | 1/4 | 12x1,5 | 42,9 | 33,5 | 9,6 | 17 | 9/16-18 |
| | 401302 | 8-10 | 5/16-3/8 | 14x1,5 | 47,4 | 37 | 9,6 | 19 | 11/16-16 |
| | 401303 | 12 | 1/2 | 18x1,5 | 55,4 | 44,5 | 12,6 | 24 | 13/16-16 |
| 315 | 401304 | 14-15-16 | 5/8 | 22x1,5 | 65,4 | 52,5 | 13,6 | 27 | 1-14 |
| | 401305 | 18-20 | 3/4 | 27x2 | 79 | 64 | 16,5 | 32 | 13/16-12 |
| 280 | 401306 | 22-25 | 7/8-1 | 33x2 | 89,5 | 73 | 16,5 | 41 | 17/16-12 |
| | 401307 | 28-30-32 | 1 1/4 | 42x2 | 104,5 | 86,5 | 17 | 50 | 1 1/16-12 |
| 250 | 401308 | 35-38 | 1 1/2 | 48x2 | 117 | 97 | 19,5 | 55 | 2-12 |
| 400 | 401309 | 6 | 1/4 | 10x1 | 42,5 | 33,5 | 8,5 | 17 | 9/16-18 |
| | 401310 | 8-10 | 5/16-3/8 | 16x1,5 | 47,4 | 37 | 11,1 | 22 | 11/16-16 |
| | 401311 | 12 | 1/2 | 16x1,5 | 54,9 | 44,5 | 11,1 | 22 | 13/16-16 |
| | 401312 | 14-15-16 | 5/8 | 18x1,5 | 65,4 | 52,5 | 12,6 | 27 | 1-14 |
| 315 | 401313 | 18-20 | 3/4 | 22x1,5 | 78,4 | 64 | 13,6 | 32 | 13/16-12 |
| | 401314 | 22-25 | 7/8-1 | 27x2 | 89,5 | 73 | 16,5 | 41 | 17/16-12 |

KORPUS ZŁĄCZA GRODZIOWEGO Z GWINTEM WEWNĘTRZNYM BSP

FEMALE BULKHEAD CONNECTION - THREAD BSP PARALLEL

4015...

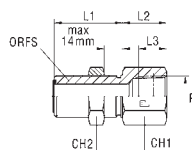


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | L3 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|-------|------|----|------|-----|-----|-----------|
| 630 | 401501 | 6 | 1/4 | 1/4 | 31,5 | 21 | 14 | 22 | 22 | 9/16-18 |
| | 401502 | 8-10 | 5/16-3/8 | 1/4 | 34 | 21 | 14 | 27 | 27 | 11/16-16 |
| | 401503 | 12 | 1/2 | 3/8 | 36,5 | 22 | 14 | 30 | 30 | 13/16-16 |
| 420 | 401504 | 14-15-16 | 5/8 | 1/2 | 40,5 | 26 | 17 | 36 | 36 | 1-14 |
| | 401505 | 18-20 | 3/4 | 3/4 | 41,5 | 29 | 19 | 41 | 41 | 13/16-12 |
| | 401506 | 22-25 | 7/8-1 | 1 | 42 | 31 | 21,5 | 46 | 46 | 17/16-12 |
| 280 | 401507 | 28-30-32 | 1 1/4 | 1 1/4 | 42 | 36 | 23,5 | 50 | 50 | 1 1/16-12 |
| | 401508 | 35-38 | 1 1/2 | 1 1/2 | 42 | 38 | 25,5 | 60 | 60 | 2-12 |

KORPUS ZŁĄCZA GRODZIOWEGO Z GWINTEM WEWNĘTRZNYM NPTF

FEMALE BULKHEAD CONNECTION - THREAD NPTF

4016...

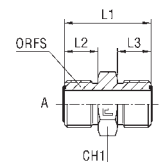


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | P | L1 | L2 | L3 | CH1 | CH2 | ORFS |
|-----------------|--|---------------------|---------------------|-------|------|------|------|-----|-----|------------|
| 630 | 401601 | 6 | 1/4 | 1/4 | 31,5 | 21,5 | 14 | 22 | 22 | 9/16-18 |
| | 401602 | 8-10 | 5/16-3/8 | 1/4 | 34 | 21,5 | 14 | 27 | 27 | 11/16-16 |
| | 401603 | 12 | 1/2 | 3/8 | 36,5 | 22,5 | 14,5 | 30 | 30 | 13/16-16 |
| 420 | 401604 | 14-15-16 | 5/8 | 1/2 | 40,5 | 28,5 | 19 | 36 | 36 | 1-14 |
| | 401605 | 18-20 | 3/4 | 3/4 | 41,5 | 30 | 19,5 | 41 | 41 | 1 3/16-12 |
| | 401606 | 22-25 | 7/8-1 | 1 | 42 | 36,5 | 23,5 | 46 | 46 | 1 7/16-12 |
| 280 | 401607 | 28-30-32 | 1 1/4 | 1 1/4 | 42 | 39 | 24 | 50 | 50 | 1 11/16-12 |
| | 401608 | 35-38 | 1 1/2 | 1 1/2 | 42 | 39 | 24 | 60 | 60 | 2-12 |

KORPUS ZŁĄCZA PROSTEGO

STRAIGHT COUPLING

4017...

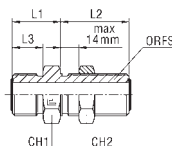


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering body) | Ø Rury A ^W (Ø Tube A ^W) | Ø Rury B ^W (Ø Tube B ^W) | Ø Rury A ^A (Ø Tube A ^A) | Ø Rury B ^A (Ø Tube B ^A) | L1 | L2 | L3 | CH1 | ORFS A | ORFS B |
|-----------------|--|--|--|--|--|------|------|------|-----|------------|------------|
| 630 | 401701 | 6 | 6 | 1/4 | 1/4 | 27,5 | 10 | 10 | 17 | 9/16-18 | 9/16-18 |
| | 401702 | 8-10 | 8-10 | 5/16-3/8 | 5/16-3/8 | 31 | 11 | 11 | 19 | 1 1/16-16 | 1 1/16-16 |
| | 401703 | 12 | 12 | 1/2 | 1/2 | 35,5 | 13 | 13 | 22 | 1 3/16-16 | 1 3/16-16 |
| 420 | 401704 | 14-15-16 | 14-15-16 | 5/8 | 5/8 | 42,5 | 15,5 | 15,5 | 27 | 1-14 | 1-14 |
| | 401705 | 18-20 | 18-20 | 3/4 | 3/4 | 47 | 17 | 17 | 32 | 1 3/16-12 | 1 3/16-12 |
| | 401706 | 22-25 | 22-25 | 7/8-1 | 7/8-1 | 49,5 | 17,5 | 17,5 | 41 | 1 7/16-12 | 1 7/16-12 |
| 280 | 401707 | 28-30-32 | 28-30-32 | 1 1/4 | 1 1/4 | 51,5 | 17,5 | 17,5 | 46 | 1 11/16-12 | 1 11/16-12 |
| | 401708 | 35-38 | 35-38 | 1 1/2 | 1 1/2 | 53 | 17,5 | 17,5 | 55 | 2-12 | 2-12 |
| 630 | 401709 | 8-10 | 6 | 5/16-3/8 | 1/4 | 30 | 11 | 10 | 19 | 1 1/16-16 | 9/16-18 |
| | 401710 | 12 | 8-10 | 1/2 | 5/16-3/8 | 33,5 | 13 | 11 | 22 | 1 3/16-16 | 1 1/16-16 |
| | 401711 | 14-15-16 | 12 | 5/8 | 1/2 | 40 | 15,5 | 13 | 27 | 1-14 | 1 3/16-16 |
| 420 | 401712 | 18-20 | 8-10 | 3/4 | 5/16-3/8 | 41 | 17 | 11 | 32 | 1 3/16-12 | 1 1/16-16 |
| | 401713 | 18-20 | 12 | 3/4 | 1/2 | 43 | 17 | 13 | 32 | 1 3/16-12 | 1 3/16-16 |
| | 401714 | 18-20 | 14-15-16 | 3/4 | 5/8 | 45,5 | 17 | 15,5 | 32 | 1 3/16-12 | 1-14 |
| | 401715 | 22-25 | 18-20 | 7/8-1 | 3/4 | 49 | 17,5 | 17 | 41 | 1 7/16-12 | 1 3/16-12 |
| | 401716 | 28-30-32 | 22-25 | 1 1/4 | 7/8-1 | 51,5 | 17,5 | 17,5 | 46 | 1 11/16-12 | 1 7/16-12 |

KORPUS PRZEJŚCIA GRODZIOWEGO

BULKHEAD STRAIGHT CONNECTION

4018...

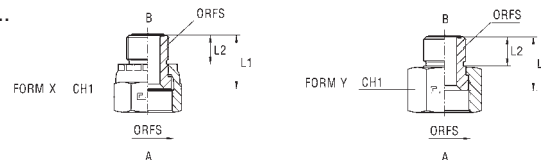


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | L2 | L3 | CH1 | CH2 | ORFS |
|-----------------|--|---------------------|---------------------|------|------|------|-----|-----|------------|
| 630 | 401801 | 6 | 1/4 | 16,5 | 31,5 | 10 | 22 | 22 | 9/16-18 |
| | 401802 | 8-10 | 5/16-3/8 | 19 | 34 | 11 | 27 | 27 | 1 1/16-16 |
| | 401803 | 12 | 1/2 | 22 | 36,5 | 13 | 30 | 30 | 1 3/16-16 |
| 420 | 401804 | 14-15-16 | 5/8 | 26 | 40,5 | 15,5 | 36 | 36 | 1-14 |
| | 401805 | 18-20 | 3/4 | 27,5 | 41,5 | 17 | 41 | 41 | 1 3/16-12 |
| | 401806 | 22-25 | 7/8-1 | 28 | 42 | 17,5 | 46 | 46 | 1 7/16-12 |
| 280 | 401807 | 28-30-32 | 1 1/4 | 28 | 42 | 17,5 | 50 | 50 | 1 11/16-12 |
| | 401808 | 35-38 | 1 1/2 | 28 | 42 | 17,5 | 60 | 60 | 2-12 |

KORPUS REDUKCJI NAKRĘTNEJ

STRAIGHT INTERMEDIATE REDUCTION

4019...

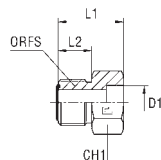


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) | Ø Rury A ^W (Ø Tube A ^W) | Ø Rury B ^W (Ø Tube B ^W) | Ø Rury A ^A (Ø Tube A ^A) | Ø Rury B ^A (Ø Tube B ^A) | FORMA (FORM) | L1 | L2 | CH1 | ORFS A | ORFS B |
|-----------------|--|--|--|--|--|--------------|------|------|-----|------------|------------|
| 630 | 401901 | 8-10 | 6 | 5/16-3/8 | 1/4 | X | 20 | 10 | 22 | 1 1/16-16 | 9/16-18 |
| | 401902 | 12 | 6 | 1/2 | 1/4 | Y | 22 | 10 | 24 | 1 3/16-16 | 9/16-18 |
| 420 | 401903 | 14-15-16 | 6 | 5/8 | 1/4 | Y | 23 | 10 | 30 | 1-14 | 9/16-18 |
| | 401904 | 18-20 | 6 | 3/4 | 1/4 | Y | 25 | 10 | 36 | 1 3/16-12 | 9/16-18 |
| | 401905 | 22-25 | 6 | 7/8-1 | 1/4 | Y | 26 | 10 | 41 | 1 7/16-12 | 9/16-18 |
| 280 | 401906 | 28-30-32 | 6 | 1 1/4 | 1/4 | Y | 26,5 | 10 | 60 | 1 11/16-12 | 9/16-18 |
| | 401907 | 35-38 | 6 | 1 1/2 | 1/4 | Y | 26,5 | 10 | 60 | 2-12 | 9/16-18 |
| 630 | 401908 | 12 | 8-10 | 1/2 | 5/16-3/8 | X | 23 | 11 | 24 | 1 3/16-16 | 1 1/16-16 |
| 420 | 401909 | 14-15-16 | 8-10 | 5/8 | 5/16-3/8 | Y | 24 | 11 | 30 | 1-14 | 1 1/16-16 |
| | 401910 | 18-20 | 8-10 | 3/4 | 5/16-3/8 | Y | 26 | 11 | 36 | 1 3/16-12 | 1 1/16-16 |
| | 401911 | 22-25 | 8-10 | 7/8-1 | 5/16-3/8 | Y | 27 | 11 | 41 | 1 7/16-12 | 1 1/16-16 |
| 280 | 401912 | 28-30-32 | 8-10 | 1 1/4 | 5/16-3/8 | Y | 27,5 | 11 | 50 | 1 11/16-12 | 1 1/16-16 |
| | 401913 | 35-38 | 8-10 | 1 1/2 | 5/16-3/8 | Y | 27,5 | 11 | 60 | 2-12 | 1 1/16-16 |
| 420 | 401914 | 14-15-16 | 12 | 5/8 | 1/2 | Y | 25,5 | 13 | 30 | 1-14 | 1 3/16-16 |
| | 401915 | 18-20 | 12 | 3/4 | 1/2 | Y | 27,5 | 13 | 36 | 1 3/16-12 | 1 3/16-16 |
| | 401916 | 22-25 | 12 | 7/8-1 | 1/2 | Y | 29 | 13 | 41 | 1 7/16-12 | 1 3/16-16 |
| 280 | 401917 | 28-30-32 | 12 | 1 1/4 | 1/2 | Y | 29,5 | 13 | 50 | 1 11/16-12 | 1 3/16-16 |
| | 401918 | 35-38 | 12 | 1 1/2 | 1/2 | Y | 29,5 | 13 | 60 | 2-12 | 1 3/16-16 |
| 420 | 401919 | 18-20 | 14-15-16 | 3/4 | 5/8 | X | 29,5 | 15,5 | 36 | 1 3/16-12 | 1-14 |
| | 401920 | 22-25 | 14-15-16 | 7/8-1 | 5/8 | Y | 32 | 15,5 | 41 | 1 7/16-12 | 1-14 |
| | 401921 | 28-30-32 | 14-15-16 | 1 1/4 | 5/8 | Y | 32 | 15,5 | 50 | 1 11/16-12 | 1-14 |
| 280 | 401922 | 35-38 | 14-15-16 | 1 1/2 | 5/8 | Y | 32 | 15,5 | 60 | 2-12 | 1-14 |
| | 401923 | 22-25 | 18-20 | 7/8-1 | 3/4 | X | 33 | 17 | 41 | 1 7/16-12 | 1 3/16-12 |
| 420 | 401924 | 28-30-32 | 18-20 | 1 1/4 | 3/4 | Y | 33,5 | 17 | 50 | 1 11/16-12 | 1 3/16-12 |
| | 401925 | 35-38 | 18-20 | 1 1/2 | 3/4 | Y | 33,5 | 17 | 60 | 2-12 | 1 3/16-12 |
| | 401926 | 28-30-32 | 22-25 | 1 1/4 | 7/8-1 | X | 34 | 17,5 | 50 | 1 11/16-12 | 1 7/16-12 |
| | 401927 | 35-38 | 22-25 | 1 1/2 | 7/8-1 | Y | 34 | 17,5 | 60 | 2-12 | 1 7/16-12 |
| | 401928 | 35-38 | 28-30-32 | 1 1/2 | 1 1/4 | Y | 34 | 17,5 | 60 | 2-12 | 1 11/16-12 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 40.. na 41.. np. 400201 na 410201.
 * Note: If you wish to order a fitting in stainless steel, please change the first two digit from 40.. to 41.. ex. 400201 to 410201.

KORPUS PRZYŁĄCZA DO SPAWANIA WEWNĘTRZNEGO WELDABLE STRAIGHT FEMALE

4020...



| Ciśnienie (Bar) | Kod zamówienia dla rury metrycznej (Ordering metric tube) * | Kod zamówienia dla rury calowej (Ordering Inch tube) * | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | D1 ^M | D1 ^W | L1 | L2 | CH1 | ORFS | |
|-----------------|---|--|---------------------|---------------------|-----------------|-----------------|------|------|-----|-----------|----------|
| 630 | 402001 | 402001.W | 6 | 1/4 | 6 | 1/4 | 22 | 10 | 17 | 9/16-18 | |
| | 402002 | 402002.W | 8-10 | 5/16-3/8 | 10 | 3/8 | 23 | 11 | 19 | 11/16-16 | |
| | 402003 | 402003.W | 12 | 1/2 | 12 | 1/2 | 24,5 | 13 | 22 | 13/16-16 | |
| 420 | 402004 | 402004.W | 14-15-16 | 5/8 | 16 | 5/8 | 28 | 15,5 | 27 | 1-14 | |
| | 402005 | 402005.W | 18-20 | 3/4 | 20 | 3/4 | 33,5 | 17 | 32 | 13/16-12 | |
| | 402006 | 402006.W | 22-25 | 7/8-1 | 25 | 1 | 38,5 | 17,5 | 41 | 17/16-12 | |
| 280 | 402007 | 402007.W | 28-30-32 | 1 1/4 | 30 | 1 1/4 | 38,5 | 17,5 | 46 | 1 1/16-12 | |
| | 402008 | 402008.W | 35-38 | 1 1/2 | 38 | 1 1/2 | 38,5 | 17,5 | 55 | 2-12 | |
| 630 | 402009 | 402009.W | 6 | 1/4 | 8 | 5/16 | 22 | 10 | 17 | 9/16-18 | |
| | 402010 | 402010.W | 6 | 1/4 | 10 | 3/8 | 22 | 10 | 17 | 9/16-18 | |
| | 402011 | 402011.W | 6 | 1/4 | 12 | 1/2 | 22 | 10 | 19 | 9/16-18 | |
| | 402012 | 402012.W | 8-10 | 5/16-3/8 | 6 | 1/4 | 23 | 11 | 19 | 11/16-16 | |
| | 402013 | 402013.W | 8-10 | 5/16-3/8 | 8 | 5/16 | 23 | 11 | 19 | 11/16-16 | |
| | 402014 | 402014.W | 8-10 | 5/16-3/8 | 12 | 1/2 | 23 | 11 | 19 | 11/16-16 | |
| | 420 | 402015 | - | 8-10 | 5/16-3/8 | 14 | - | 23,5 | 11 | 22 | 11/16-16 |
| | | 402016 | - | 8-10 | 5/16-3/8 | 15 | - | 23,5 | 11 | 22 | 11/16-16 |
| | | 402017 | 402017.W | 8-10 | 5/16-3/8 | 16 | 5/8 | 23,5 | 11 | 22 | 11/16-16 |
| | 630 | 402018 | 402018.W | 12 | 1/2 | 6 | 1/4 | 24,5 | 13 | 22 | 13/16-16 |
| 402019 | | 402019.W | 12 | 1/2 | 8 | 5/16 | 24,5 | 13 | 22 | 13/16-16 | |
| 402020 | | 402020.W | 12 | 1/2 | 10 | 3/8 | 24,5 | 13 | 22 | 13/16-16 | |
| 402021 | | - | 12 | 1/2 | 14 | - | 25 | 13 | 22 | 13/16-16 | |
| 402022 | | - | 12 | 1/2 | 15 | - | 25 | 13 | 22 | 13/16-16 | |
| 402023 | | 402023.W | 12 | 1/2 | 16 | 5/8 | 25 | 13 | 22 | 13/16-16 | |
| 402024 | | - | 12 | 1/2 | 18 | - | 28,5 | 13 | 27 | 13/16-16 | |
| 402025 | | 402025.W | 12 | 1/2 | 20 | 3/4 | 28,5 | 13 | 27 | 13/16-16 | |
| 402026 | | 402026.W | 12 | 1/2 | 22 | 7/8 | 28,5 | 13 | 32 | 13/16-16 | |
| 402027 | | 402027.W | 12 | 1/2 | 25 | 1 | 30 | 13 | 32 | 13/16-16 | |
| 420 | 402028 | 402028.W | 14-15-16 | 5/8 | 10 | 3/8 | 27,5 | 15,5 | 27 | 1-14 | |
| | 402029 | 402029.W | 14-15-16 | 5/8 | 12 | 1/2 | 27,5 | 15,5 | 27 | 1-14 | |
| | 402030 | - | 14-15-16 | 5/8 | 14 | - | 28 | 15,5 | 27 | 1-14 | |
| | 402031 | - | 14-15-16 | 5/8 | 15 | - | 28 | 15,5 | 27 | 1-14 | |
| | 402032 | - | 14-15-16 | 5/8 | 18 | - | 31,5 | 15,5 | 27 | 1-14 | |
| | 402033 | 402033.W | 14-15-16 | 5/8 | 20 | 3/4 | 31,5 | 15,5 | 27 | 1-14 | |
| | 402034 | 402034.W | 18-20 | 3/4 | 12 | 1/2 | 29,5 | 17 | 32 | 13/16-12 | |
| | 402035 | - | 18-20 | 3/4 | 14 | - | 30 | 17 | 32 | 13/16-12 | |
| | 402036 | - | 18-20 | 3/4 | 15 | - | 30 | 17 | 32 | 13/16-12 | |
| | 402037 | 402037.W | 18-20 | 3/4 | 16 | 5/8 | 30 | 17 | 32 | 13/16-12 | |
| 280 | 402038 | - | 18-20 | 3/4 | 18 | - | 33,5 | 17 | 32 | 13/16-12 | |
| | 402039 | 402039.W | 18-20 | 3/4 | 22 | 7/8 | 33,5 | 17 | 32 | 13/16-12 | |
| | 402040 | 402040.W | 18-20 | 3/4 | 25 | 1 | 35 | 17 | 32 | 13/16-12 | |
| | 402041 | 402041.W | 22-25 | 7/8-1 | 12 | 1/2 | 33 | 17,5 | 41 | 17/16-12 | |
| | 402042 | - | 22-25 | 7/8-1 | 14 | - | 33,5 | 17,5 | 41 | 17/16-12 | |
| | 402043 | - | 22-25 | 7/8-1 | 15 | - | 33,5 | 17,5 | 41 | 17/16-12 | |
| | 402044 | 402044.W | 22-25 | 7/8-1 | 16 | 5/8 | 33,5 | 17,5 | 41 | 17/16-12 | |
| | 402045 | - | 22-25 | 7/8-1 | 18 | - | 37 | 17,5 | 41 | 17/16-12 | |
| | 402046 | 402046.W | 22-25 | 7/8-1 | 20 | 3/4 | 37 | 17,5 | 41 | 17/16-12 | |
| | 402047 | 402047.W | 22-25 | 7/8-1 | 22 | 7/8 | 37 | 17,5 | 41 | 17/16-12 | |
| 280 | 402048 | - | 22-25 | 7/8-1 | 28 | - | 38,5 | 17,5 | 41 | 17/16-12 | |
| | 402049 | 402049.W | 22-25 | 7/8-1 | 30 | 1 1/4 | 38,5 | 17,5 | 41 | 17/16-12 | |
| | 402050 | - | 22-25 | 7/8-1 | 32 | - | 38,5 | 17,5 | 41 | 17/16-12 | |
| | 402051 | - | 28-30-32 | 1 1/4 | 18 | - | 37 | 17,5 | 46 | 1 1/16-12 | |
| | 402052 | 402052.W | 28-30-32 | 1 1/4 | 20 | 3/4 | 37 | 17,5 | 46 | 1 1/16-12 | |
| | 402053 | 402053.W | 28-30-32 | 1 1/4 | 22 | 7/8 | 37 | 17,5 | 46 | 1 1/16-12 | |
| | 402054 | 402054.W | 28-30-32 | 1 1/4 | 25 | 1 | 38,5 | 17,5 | 46 | 1 1/16-12 | |
| | 402055 | - | 28-30-32 | 1 1/4 | 28 | - | 38,5 | 17,5 | 46 | 1 1/16-12 | |
| | 402056 | - | 28-30-32 | 1 1/4 | 32 | - | 38,5 | 17,5 | 46 | 1 1/16-12 | |
| | 402057 | - | 28-30-32 | 1 1/4 | 35 | - | 38,5 | 17,5 | 50 | 1 1/16-12 | |
| 280 | 402058 | 402058.W | 28-30-32 | 1 1/4 | 38 | 1 1/2 | 38,5 | 17,5 | 50 | 1 1/16-12 | |
| | 402059 | 402059.W | 35-38 | 1 1/2 | 25 | 1 | 38,5 | 17,5 | 55 | 2-12 | |
| | 402060 | - | 35-38 | 1 1/2 | 28 | - | 38,5 | 17,5 | 55 | 2-12 | |
| | 402061 | 402061.W | 35-38 | 1 1/2 | 30 | 1 1/4 | 38,5 | 17,5 | 55 | 2-12 | |
| | 402062 | - | 35-38 | 1 1/2 | 32 | - | 38,5 | 17,5 | 55 | 2-12 | |
| | 402063 | - | 35-38 | 1 1/2 | 35 | - | 38,5 | 17,5 | 55 | 2-12 | |

KOŃCÓWKA DO SPAWANIA WELDING NIPPLE

4021...

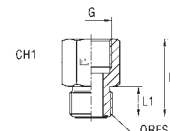


| Ciśnienie (Bar) | Kod zamówienia dla rury metrycznej (Ordering metric tube) * | Kod zamówienia dla rury calowej (Ordering Inch tube) * | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | D1 | D2 ^M | D2 ^W | L1 |
|-----------------|---|--|---------------------|---------------------|-------|-----------------|-----------------|----|
| 630 | 402101 | 402101.W | 6 | 1/4 | 12,75 | 6 | 1/4 | 25 |
| | 402102 | 402102.W | 8-10 | 5/16-3/8 | 15,75 | 10 | 3/8 | 26 |
| | 402103 | 402103.W | 12 | 1/2 | 18,9 | 12 | 1/2 | 26 |
| 420 | 402104 | 402104.W | 14-15-16 | 5/8 | 23,45 | 16 | 5/8 | 32 |
| | 402105 | 402105.W | 18-20 | 3/4 | 17,85 | 20 | 3/4 | 37 |
| | 402106 | 402106.W | 22-25 | 7/8-1 | 34,2 | 25 | 1 | 42 |
| 280 | 402107 | 402107.W | 28-30-32 | 1 1/4 | 40,55 | 30 | 1 1/4 | 44 |
| | 402108 | 402108.W | 35-38 | 1 1/2 | 48,5 | 38 | 1 1/2 | 49 |
| 630 | 402109 | 402109.W | 8-10 | 5/16-3/8 | 15,75 | 8 | 5/16 | 25 |
| | 402110 | - | 14-15-16 | 5/8 | 23,45 | 14 | - | 32 |
| | 402111 | - | 14-15-16 | 5/8 | 23,45 | 15 | - | 32 |
| 420 | 402112 | - | 18-20 | 3/4 | 17,85 | 18 | - | 37 |
| | 402113 | 402113.W | 22-25 | 7/8-1 | 34,2 | 22 | 7/8 | 37 |
| | 402114 | - | 28-30-32 | 1 1/4 | 40,55 | 28 | - | 44 |
| 280 | 402115 | - | 28-30-32 | 1 1/4 | 40,55 | 32 | - | 44 |
| | 402116 | - | 35-38 | 1 1/2 | 48,5 | 35 | - | 44 |

KORPUS PRZYŁĄCZA MANOMETRU Z GWINTEM WEWNĘTRZNYM BSP FEMALE GAUGE COUPLING THREAD - BSP PARALLEL

FEMALE GAUGE COUPLING THREAD - BSP PARALLEL

4022...

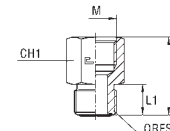


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) * | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | ORFS |
|-----------------|--|---------------------|---------------------|-----|----|----|-----|----------|
| 630 | 402201 | 6 | 1/4 | 1/4 | 10 | 27 | 19 | 9/16-18 |
| | 402202 | 8-10 | 5/16-3/8 | 1/4 | 11 | 28 | 19 | 11/16-16 |
| | 402203 | 12 | 1/2 | 1/4 | 13 | 30 | 22 | 13/16-16 |
| | 402204 | 6 | 1/4 | 1/2 | 10 | 37 | 30 | 9/16-18 |
| | 402205 | 8-10 | 5/16-3/8 | 1/2 | 11 | 38 | 30 | 11/16-16 |
| | 402206 | 12 | 1/2 | 1/2 | 13 | 40 | 30 | 13/16-16 |

KORPUS PRZYŁĄCZA MANOMETRU Z GWINTEM WEWNĘTRZNYM METRYCZNYM FEMALE GAUGE COUPLING - THREAD METRIC PARALLEL

FEMALE GAUGE COUPLING - THREAD METRIC PARALLEL

4023...

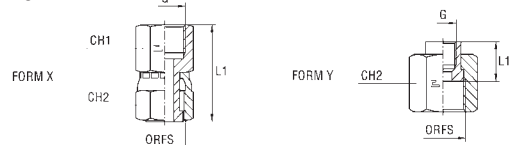


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) * | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | M | L1 | L2 | CH1 | ORFS |
|-----------------|--|---------------------|---------------------|--------|------|------|-----|----------|
| 630 | 402301 | 6 | 1/4 | 14x1,5 | 10 | 29 | 19 | 9/16-18 |
| | 402302 | 8-10 | 5/16-3/8 | 14x1,5 | 11 | 30 | 19 | 11/16-18 |
| | 402303 | 12 | 1/2 | 14x1,5 | 13 | 32 | 22 | 13/16-16 |
| 420 | 402304 | 14-15-16 | 5/8 | 14x1,5 | 15,5 | 34,5 | 27 | 1-14 |
| | 402305 | 18-20 | 3/4 | 14x1,5 | 17 | 36 | 32 | 13/16-12 |

PRZYŁĄCZAK NAKRĘTNE MANOMETRU Z GWINTEM WEWNĘTRZNYM BSP ADJUSTABLE FEMALE GAUGE COUPLING - THREAD BSP PARALLEL

ADJUSTABLE FEMALE GAUGE COUPLING - THREAD BSP PARALLEL

4024...

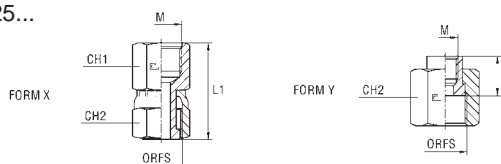


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) * | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | FORMA (FORM) | G | L1 | CH1 | CH2 | ORFS |
|-----------------|--|---------------------|---------------------|--------------|-----|------|-----|-----|-----------|
| 630 | 402401 | 6 | 1/4 | X | 1/4 | 39 | 19 | 17 | 9/16-18 |
| | 402402 | 8-10 | 5/16-3/8 | X | 1/4 | 41 | 19 | 22 | 11/16-16 |
| | 402403 | 12 | 1/2 | X | 1/4 | 43 | 19 | 24 | 13/16-16 |
| 420 | 402404 | 14-15-16 | 5/8 | Y | 1/4 | 15,5 | - | 30 | 1-14 |
| | 402405 | 18-20 | 3/4 | Y | 1/4 | 15,5 | - | 36 | 13/16-12 |
| | 402406 | 22-25 | 7/8-1 | Y | 1/4 | 15,5 | - | 41 | 17/16-12 |
| 280 | 402407 | 28-30-32 | 1 1/4 | Y | 1/4 | 15,5 | - | 50 | 1 1/16-12 |
| | 402408 | 35-38 | 1 1/2 | Y | 1/4 | 15,5 | - | 60 | 2-12 |

PRZYŁĄCZAK NAKRĘTNE MANOMETRU Z GWINTEM WEWNĘTRZNYM METRYCZNYM ADJUSTABLE FEMALE GAUGE COUPLING - THREAD METRIC PARALLEL

ADJUSTABLE FEMALE GAUGE COUPLING - THREAD METRIC PARALLEL

4025...



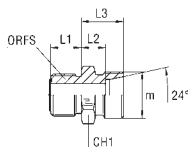
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body) * | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | FORMA (Form) | M | L1 | CH1 | CH2 | ORFS |
|-----------------|--|---------------------|---------------------|--------------|------|------|-----|-----|-----------|
| 630 | 402501 | 6 | 1/4 | X | 10x1 | 39 | 19 | 17 | 9/16-18 |
| | 402502 | 8-10 | 5/16-3/8 | X | 10x1 | 41 | 19 | 22 | 11/16-16 |
| | 402503 | 12 | 1/2 | X | 10x1 | 43 | 19 | 24 | 13/16-16 |
| 420 | 402504 | 14-15-16 | 5/8 | Y | 10x1 | 15,5 | - | 30 | 1-14 |
| | 402505 | 18-20 | 3/4 | Y | 10x1 | 15,5 | - | 36 | 13/16-12 |
| | 402506 | 22-25 | 7/8-1 | Y | 10x1 | 15,5 | - | 41 | 17/16-12 |
| 280 | 402507 | 28-30-32 | 1 1/4 | Y | 10x1 | 15,5 | - | 50 | 1 1/16-12 |
| | 402508 | 35-38 | 1 1/2 | Y | 10x1 | 15,5 | - | 60 | 2-12 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 40.. na 41.. np. 400201 na 410201.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 40.. to 41.. ex. 400201 to 410201.

KORPUS ZŁĄCZA PRZEJŚCIOWEGO Z ORFS NA METRYCZNY DIN 2353

ADAPTER ORFS (J1453) / METRIC DIN 2353

4026...

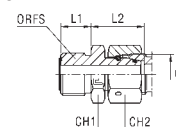


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | Ø rury 24° (Ø Tube 24°) | m | L1 | L2 | L3 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|-------------------------|--------|------|------|------|-----|----------|
| 315 | 402601 | 6 | 1/4 | 6L | 12x1.5 | 10 | 10.5 | 17.5 | 17 | 9/16-18 |
| | 402602 | 6 | 1/4 | 8L | 14x1.5 | 10 | 10.5 | 17.5 | 17 | 9/16-18 |
| | 402603 | 8-10 | 5/16-3/8 | 10L | 16x1.5 | 11 | 13 | 20 | 19 | 11/16-16 |
| | 402604 | 12 | 1/2 | 12L | 18x1.5 | 13 | 13.5 | 20.5 | 22 | 13/16-16 |
| 160 | 402605 | 14-15-16 | 5/8 | 15L | 22x1.5 | 15.5 | 16.5 | 23.5 | 27 | 1-14 |
| | 402606 | 18-20 | 3/4 | 18L | 26x1.5 | 17 | 17.5 | 25 | 32 | 13/16-12 |
| | 402607 | 22-25 | 7/8-1 | 22L | 30x2 | 17.5 | 21 | 28.5 | 41 | 17/16-12 |
| | 402608 | 28-30-32 | 1 1/4 | 28L | 36x2 | 17.5 | 23 | 30.5 | 46 | 11/16-12 |
| | 402609 | 35-38 | 1 1/2 | 35L | 45x2 | 17.5 | 23.5 | 34 | 55 | 2-12 |
| | 402610 | 35-38 | 1 1/2 | 42L | 52x2 | 17.5 | 23 | 34 | 55 | 2-12 |
| 630 | 402611 | 6 | 1/4 | 6S | 14x1.5 | 10 | 12.5 | 19.5 | 17 | 9/16-18 |
| | 402612 | 6 | 1/4 | 8S | 16x1.5 | 10 | 12.5 | 19.5 | 17 | 9/16-18 |
| | 402613 | 8-10 | 5/16-3/8 | 10S | 18x1.5 | 11 | 13.5 | 21 | 19 | 11/16-16 |
| | 402614 | 12 | 1/2 | 12S | 20x1.5 | 13 | 14 | 21.5 | 22 | 13/16-16 |
| 420 | 402615 | 14-15-16 | 5/8 | 14S | 22x1.5 | 15.5 | 19.5 | 28.5 | 27 | 1-14 |
| | 402616 | 14-15-16 | 5/8 | 16S | 24x1.5 | 15.5 | 20 | 28.5 | 27 | 1-14 |
| 400 | 402617 | 18-20 | 3/4 | 20S | 30x2 | 17 | 18.5 | 29 | 32 | 13/16-12 |
| | 402618 | 22-25 | 7/8-1 | 25S | 36x2 | 17.5 | 20.5 | 31.5 | 41 | 17/16-12 |
| 280 | 402619 | 28-30-32 | 1 1/4 | 30S | 42x2 | 17.5 | 23 | 36.5 | 46 | 11/16-12 |
| | 402620 | 35-38 | 1 1/2 | 38S | 52x2 | 17.5 | 24 | 40 | 55 | 2-12 |

KORPUS ZŁĄCZA PRZEJŚCIOWEGO NAKRĘTNEGO Z ORFS NA METRYCZNY DIN 2353

ADAPTER ORFS (J1453) / METRIC DIN 2353 WITH SWIVEL NUT

4027...

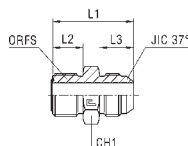


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | Ø rury 24° (Ø Tube 24°) | m | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|-------------------------|--------|------|------|-----|-----|----------|
| 315 | 402701 | 6 | 1/4 | 6L | 12x1.5 | 10 | 24.5 | 17 | 14 | 9/16-18 |
| | 402702 | 6 | 1/4 | 8L | 14x1.5 | 10 | 24.5 | 17 | 17 | 9/16-18 |
| | 402703 | 8-10 | 5/16-3/8 | 10L | 16x1.5 | 11 | 26.5 | 19 | 19 | 11/16-16 |
| | 402704 | 12 | 1/2 | 12L | 18x1.5 | 13 | 27 | 22 | 22 | 13/16-16 |
| 160 | 402705 | 14-15-16 | 5/8 | 15L | 22x1.5 | 15.5 | 31 | 27 | 27 | 1-14 |
| | 402706 | 18-20 | 3/4 | 18L | 26x1.5 | 17 | 33.5 | 32 | 32 | 13/16-12 |
| | 402707 | 22-25 | 7/8-1 | 22L | 30x2 | 17.5 | 36 | 41 | 36 | 17/16-12 |
| | 402708 | 28-30-32 | 1 1/4 | 28L | 36x2 | 17.5 | 39 | 46 | 41 | 11/16-12 |
| | 402709 | 35-38 | 1 1/2 | 35L | 45x2 | 17.5 | 45 | 55 | 50 | 2-12 |
| | 402710 | 35-38 | 1 1/2 | 42L | 52x2 | 17.5 | 45 | 55 | 60 | 2-12 |
| 630 | 402711 | 6 | 1/4 | 6S | 14x1.5 | 10 | 24.5 | 17 | 17 | 9/16-18 |
| | 402712 | 6 | 1/4 | 8S | 16x1.5 | 10 | 25 | 17 | 19 | 9/16-18 |
| | 402713 | 8-10 | 5/16-3/8 | 10S | 18x1.5 | 11 | 27 | 19 | 22 | 11/16-16 |
| | 402714 | 12 | 1/2 | 12S | 20x1.5 | 13 | 27.5 | 22 | 24 | 13/16-16 |
| 420 | 402715 | 14-15-16 | 5/8 | 14S | 22x1.5 | 15.5 | 32.5 | 27 | 27 | 1-14 |
| | 402716 | 14-15-16 | 5/8 | 16S | 24x1.5 | 15.5 | 35 | 27 | 30 | 1-14 |
| 400 | 402717 | 18-20 | 3/4 | 20S | 30x2 | 17 | 39 | 32 | 36 | 13/16-12 |
| | 402718 | 22-25 | 7/8-1 | 25S | 36x2 | 17.5 | 43 | 41 | 46 | 17/16-12 |
| 280 | 402719 | 28-30-32 | 1 1/4 | 30S | 42x2 | 17.5 | 47.5 | 46 | 50 | 11/16-12 |
| | 402720 | 35-38 | 1 1/2 | 38S | 52x2 | 17.5 | 51 | 55 | 60 | 2-12 |

KORPUS ZŁĄCZA PRZEJŚCIOWEGO Z ORFS NA JIC 37°

ADAPTER ORFS (J1453) / JIC 37° J514

4028..3

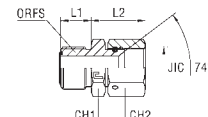


| Ciśnienie (Bar) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | Ø rury 37° M (Ø Tube 37° M) | Ø rury 37° W (Ø Tube 37° W) | L1 | L2 | L3 | CH1 | ORFS | JIC 37° | Kod zamówienia korpusu (Ordering Body)* |
|-----------------|---------------------|---------------------|-----------------------------|-----------------------------|------|------|------|-----|----------|----------|---|
| 450 | 6 | 1/4 | 6 | 1/4 | 31.5 | 10 | 14 | 17 | 9/16-18 | 7/16-20 | 402801.3 |
| | 8-10 | 5/16-3/8 | 10 | 3/8 | 34 | 11 | 14.1 | 19 | 11/16-16 | 9/16-18 | 402802.3 |
| | 12 | 1/2 | 12 | 1/2 | 39 | 13 | 16.7 | 22 | 13/16-16 | 3/4-16 | 402803.3 |
| 350 | 14-15-16 | 5/8 | 14-15-16 | 5/8 | 46.5 | 15.5 | 19.3 | 27 | 1-14 | 7/8-14 | 402804.3 |
| | 18-20 | 3/4 | 18-20 | 3/4 | 52 | 17 | 21.9 | 32 | 13/16-12 | 11/16-12 | 402805.3 |
| | 22-25 | 7/8-1 | 25 | 1 | 55 | 17.5 | 23.1 | 41 | 17/16-12 | 15/16-12 | 402806.3 |
| 240 | 28-30-32 | 1 1/4 | 30-32 | 1 1/4 | 58.5 | 17.5 | 24.3 | 46 | 11/16-12 | 15/16-12 | 402807.3 |
| | 35-38 | 1 1/2 | 38 | 1 1/2 | 63 | 17.5 | 27.5 | 55 | 2-12 | 17/8-12 | 402808.3 |
| 450 | 8-10 | 5/16-3/8 | 8 | 5/16 | 34 | 11 | 14 | 19 | 11/16-16 | 1/2-20 | 402809.3 |

KORPUS ZŁĄCZA PRZEJŚCIOWEGO NAKRĘTNEGO Z ORFS NA JIC 37°

ADAPTER ORFS (J1453) / JIC 37° J514 WITH SWIVEL NUT

4029...

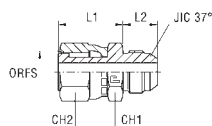


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | Ø rury 37° M (Ø Tube 37° M) | Ø rury 37° W (Ø Tube 37° W) | L1 | L2 | L3 | CH1 | ORFS | JIC 37° |
|-----------------|---|---------------------|---------------------|-----------------------------|-----------------------------|------|------|----|-----|----------|----------|
| 450 | 402901 | 6 | 1/4 | 6 | 1/4 | 10 | 25 | 17 | 14 | 9/16-18 | 7/16-20 |
| | 402902 | 8-10 | 5/16-3/8 | 10 | 3/8 | 11 | 29 | 19 | 19 | 11/16-16 | 9/16-18 |
| | 402903 | 12 | 1/2 | 12 | 1/2 | 13 | 31.5 | 22 | 22 | 13/16-16 | 3/4-16 |
| | 402904 | 14-15-16 | 5/8 | 14-15-16 | 5/8 | 15.5 | 37.5 | 27 | 27 | 1-14 | 7/8-14 |
| 290 | 402905 | 18-20 | 3/4 | 18-20 | 3/4 | 17 | 39 | 32 | 32 | 13/16-12 | 11/16-12 |
| | 402906 | 22-25 | 7/8-1 | 25 | 1 | 17.5 | 44.5 | 41 | 41 | 17/16-12 | 15/16-12 |
| | 402907 | 28-30-32 | 1 1/4 | 30-32 | 1 1/4 | 17.5 | 45.5 | 46 | 50 | 11/16-12 | 15/16-12 |
| 240 | 402908 | 35-38 | 1 1/2 | 38 | 1 1/2 | 17.5 | 55.5 | 55 | 60 | 2-12 | 17/8-12 |
| | 402909 | 8-10 | 5/16-3/8 | 8 | 5/16 | 11 | 28 | 19 | 17 | 11/16-16 | 1/2-20 |

ZŁĄCZE PRZEJŚCIOWE NAKRĘTNE Z ORFS NA JIC 37°

ADAPTER ORFS (J1453) WITH SWIVEL NUT / JIC 37° J514

4030..3

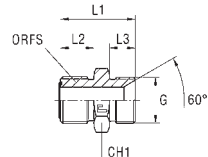


| Ciśnienie (Bar) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | Ø rury 37° M (Ø Tube 37° M) | Ø rury 37° W (Ø Tube 37° W) | L1 | L2 | L3 | CH1 | ORFS | JIC 37° | Kod zamówienia korpusu (Ordering Body)* |
|-----------------|---------------------|---------------------|-----------------------------|-----------------------------|------|------|----|-----|----------|----------|---|
| 450 | 6 | 1/4 | 6 | 1/4 | 23.5 | 14 | 17 | 17 | 9/16-18 | 7/16-20 | 403001.3 |
| | 8-10 | 5/16-3/8 | 10 | 3/8 | 26.9 | 14.1 | 22 | 22 | 11/16-16 | 9/16-18 | 403002.3 |
| | 12 | 1/2 | 12 | 1/2 | 30.3 | 16.7 | 24 | 24 | 13/16-16 | 3/4-16 | 403003.3 |
| 350 | 14-15-16 | 5/8 | 14-15-16 | 5/8 | 36.7 | 19.3 | 30 | 30 | 1-14 | 7/8-14 | 403004.3 |
| | 18-20 | 3/4 | 18-20 | 3/4 | 40.6 | 21.9 | 36 | 36 | 13/16-12 | 11/16-12 | 403005.3 |
| | 22-25 | 7/8-1 | 25 | 1 | 42.9 | 23.1 | 41 | 41 | 17/16-12 | 15/16-12 | 403006.3 |
| 240 | 28-30-32 | 1 1/4 | 30-32 | 1 1/4 | 44.7 | 24.3 | 50 | 50 | 11/16-12 | 15/16-12 | 403007.3 |
| | 35-38 | 1 1/2 | 38 | 1 1/2 | 46.5 | 27.5 | 60 | 60 | 2-12 | 17/8-12 | 403008.3 |
| 450 | 8-10 | 5/16-3/8 | 8 | 5/16 | 27 | 14 | 22 | 22 | 11/16-16 | 1/2-20 | 403009.3 |

KORPUS ZŁĄCZA PRZEJŚCIOWEGO Z ORFS NA BSP

ADAPTER ORFS (J1453) / BSP 5200

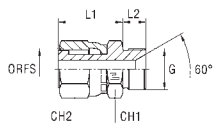
4031...



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | L3 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|-------|------|------|----|-----|----------|
| 400 | 403101 | 6 | 1/4 | 1/8 | 25.5 | 10 | 8 | 17 | 9/16-18 |
| | 403102 | 8-10 | 5/16-3/8 | 1/4 | 31 | 11 | 11 | 19 | 11/16-16 |
| | 403103 | 12 | 1/2 | 3/8 | 34.5 | 13 | 12 | 22 | 13/16-16 |
| 350 | 403104 | 14-15-16 | 5/8 | 1/2 | 41 | 15.5 | 14 | 27 | 1-14 |
| 315 | 403105 | 18-20 | 3/4 | 3/4 | 46 | 17 | 16 | 32 | 13/16-12 |
| 250 | 403106 | 22-25 | 7/8-1 | 1 | 51 | 17.5 | 19 | 41 | 17/16-12 |
| 200 | 403107 | 28-30-32 | 1 1/4 | 1 1/4 | 54 | 17.5 | 20 | 46 | 11/16-12 |
| 160 | 403108 | 35-38 | 1 1/2 | 1 1/2 | 58.5 | 17.5 | 23 | 55 | 2-12 |
| 400 | 403109 | 6 | 1/4 | 1/4 | 28.5 | 10 | 11 | 17 | 9/16-18 |
| | 403110 | 6 | 1/4 | 3/8 | 29.5 | 10 | 12 | 17 | 9/16-18 |
| | 403111 | 8-10 | 5/16-3/8 | 3/8 | 32 | 11 | 12 | 19 | 11/16-16 |
| 350 | 403112 | 8-10 | 5/16-3/8 | 1/2 | 34.5 | 11 | 14 | 22 | 11/16-16 |
| 400 | 403113 | 12 | 1/2 | 1/4 | 33.5 | 13 | 11 | 22 | 13/16-16 |
| 350 | 403114 | 12 | 1/2 | 1/2 | 36.5 | 13 | 14 | 22 | 13/16-16 |
| 315 | 403115 | 12 | 1/2 | 3/4 | 40.5 | 13 | 16 | 27 | 13/16-16 |
| 400 | 403116 | 14-15-16 | 5/8 | 3/8 | 39 | 15.5 | 12 | 27 | 1-14 |
| 350 | 403117 | 14-15-16 | 5/8 | 5/8 | 43 | 15.5 | 16 | 27 | 1-14 |
| 315 | 403118 | 14-15-16 | 5/8 | 3/4 | 43 | 15.5 | 16 | 27 | 1-14 |

ZŁĄCZE NAKRĘTNE PRZEJŚCIOWE Z ORFS NA BSP ADAPTER ORFS J1453 WITH SWIVEL NUT / BSP 5200

4032..

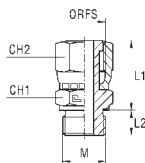


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | L3 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|-------|------|----|----|-----|-----------|
| 400 | 403201 | 6 | 1/4 | 1/8 | 23,5 | 8 | 14 | 17 | 9/16-18 |
| | 403202 | 8-10 | 5/16-3/8 | 1/4 | 27 | 11 | 17 | 22 | 11/16-16 |
| | 403203 | 12 | 1/2 | 3/8 | 30,5 | 12 | 19 | 24 | 13/16-16 |
| 350 | 403204 | 14-15-16 | 5/8 | 1/2 | 36,5 | 14 | 24 | 30 | 1-14 |
| 315 | 403205 | 18-20 | 3/4 | 3/4 | 40,5 | 16 | 30 | 36 | 13/16-12 |
| 250 | 403206 | 22-25 | 7/8-1 | 1 | 43 | 19 | 36 | 41 | 17/16-12 |
| 200 | 403207 | 28-30-32 | 1 1/4 | 1 1/4 | 44,5 | 20 | 46 | 50 | 1 1/16-12 |
| 160 | 403208 | 35-38 | 1 1/2 | 1 1/2 | 46,5 | 23 | 50 | 60 | 2-12 |
| | 403209 | 6 | 1/4 | 1/4 | 23,5 | 11 | 14 | 17 | 9/16-18 |
| | 403210 | 6 | 1/4 | 3/8 | 25 | 12 | 17 | 17 | 9/16-18 |
| 400 | 403211 | 8-10 | 5/16-3/8 | 3/8 | 27 | 12 | 17 | 22 | 11/16-16 |
| | 403212 | 8-10 | 5/16-3/8 | 1/2 | 27,5 | 14 | 22 | 22 | 11/16-16 |
| | 403213 | 12 | 1/2 | 1/4 | 30,5 | 11 | 19 | 24 | 13/16-16 |
| 350 | 403214 | 12 | 1/2 | 1/2 | 30,5 | 14 | 22 | 24 | 13/16-16 |
| 315 | 403215 | 12 | 1/2 | 3/4 | 34 | 16 | 27 | 24 | 13/16-16 |
| 400 | 403216 | 14-15-16 | 5/8 | 3/8 | 36,5 | 12 | 24 | 30 | 1-14 |
| 350 | 403217 | 14-15-16 | 5/8 | 5/8 | 36,5 | 16 | 24 | 30 | 1-14 |
| 315 | 403218 | 14-15-16 | 5/8 | 3/4 | 38 | 16 | 27 | 30 | 1-14 |
| 350 | 403219 | 18-20 | 3/4 | 1/2 | 40,5 | 14 | 30 | 36 | 13/16-12 |
| 250 | 403220 | 18-20 | 3/4 | 1 | 42 | 19 | 36 | 36 | 13/16-12 |
| 315 | 403221 | 22-25 | 7/8-1 | 3/4 | 43 | 16 | 36 | 41 | 17/16-12 |
| 200 | 403222 | 22-25 | 7/8-1 | 1 1/4 | 44,5 | 20 | 46 | 41 | 17/16-12 |

PRZYŁĄCZE PROSTE NAKRĘTNE Z GWINTEM METRYCZNYM I USZCZELNIENIEM ELASTOMEROWYM

MALE STUD CRIMPED NUT COUPLING WITH ELASTOMER SEAL - THREAD METRIC PARALLEL

4034...

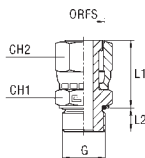


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | M | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|--------|------|----|-----|-----|-----------|
| 630 | 403401 | 6 | 1/4 | 12x1,5 | 26,5 | 12 | 17 | 17 | 9/16-18 |
| | 403402 | 8-10 | 5/16-3/8 | 14x1,5 | 28,5 | 12 | 19 | 22 | 11/16-16 |
| | 403403 | 12 | 1/2 | 18x1,5 | 35,5 | 12 | 24 | 24 | 13/16-16 |
| 420 | 403404 | 14-15-16 | 5/8 | 22x1,5 | 38 | 14 | 27 | 30 | 1-14 |
| | 403405 | 18-20 | 3/4 | 27x2 | 41,5 | 16 | 32 | 36 | 13/16-12 |
| | 403406 | 22-25 | 7/8-1 | 33x2 | 49 | 18 | 41 | 41 | 17/16-12 |
| 280 | 403407 | 28-30-32 | 1 1/4 | 42x2 | 49 | 20 | 50 | 50 | 1 1/16-12 |
| | 403408 | 35-38 | 1 1/2 | 48x2 | 49 | 22 | 55 | 60 | 2-12 |
| | 403409 | 6 | 1/4 | 10x1 | 26,5 | 8 | 17 | 17 | 9/16-18 |
| 630 | 403410 | 8-10 | 5/16-3/8 | 16x1,5 | 28,5 | 12 | 22 | 22 | 11/16-16 |
| | 403411 | 12 | 1/2 | 16x1,5 | 31,5 | 12 | 22 | 24 | 13/16-16 |
| | 403412 | 14-15-16 | 5/8 | 18x1,5 | 38 | 12 | 27 | 30 | 1-14 |
| 420 | 403413 | 18-20 | 3/4 | 22x1,5 | 41,5 | 14 | 32 | 36 | 13/16-12 |
| | 403414 | 22-25 | 7/8-1 | 27x2 | 49 | 16 | 41 | 41 | 17/16-12 |

PRZYŁĄCZE PROSTE NAKRĘTNE Z GWINTEM BSP I USZCZELNIENIEM TYPU O-RING

MALE STUD CRIMPED NUT COUPLING WITH O-RING AND WASHER - THREAD BSP PARALLEL

4036...

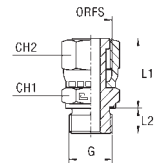


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|-------|------|------|-----|----------|-----------|
| 350 | 403601 | 6 | 1/4 | 1/8 | 27,8 | 6,7 | 17 | 17 | 9/16-18 |
| 400 | 403602 | 8-10 | 5/16-3/8 | 1/4 | 30,3 | 10,2 | 19 | 22 | 11/16-16 |
| 350 | 403603 | 12 | 1/2 | 3/8 | 37,3 | 10,2 | 22 | 24 | 13/16-16 |
| 403604 | 14-15-16 | 5/8 | 1/2 | 39,8 | 12,2 | 27 | 30 | 1-14 | |
| | 18-20 | 3/4 | 3/4 | 43,3 | 14,2 | 32 | 36 | 13/16-12 | |
| 280 | 403606 | 22-25 | 7/8-1 | 1 | 51,6 | 15,4 | 41 | 41 | 17/16-12 |
| | 403607 | 28-30-32 | 1 1/4 | 1 1/4 | 51,6 | 17,4 | 50 | 50 | 1 1/16-12 |
| 250 | 403608 | 35-38 | 1 1/2 | 1 1/2 | 51,6 | 19,4 | 55 | 60 | 2-12 |
| 400 | 403609 | 6 | 1/4 | 1/4 | 28,3 | 10,2 | 19 | 17 | 9/16-18 |
| 350 | 403610 | 8-10 | 5/16-3/8 | 3/8 | 34,3 | 10,2 | 22 | 22 | 11/16-16 |
| 315 | 403611 | 12 | 1/2 | 1/2 | 35,8 | 12,2 | 27 | 24 | 13/16-16 |
| 200 | 403612 | 18-20 | 3/4 | 1 1/4 | 50,6 | 17,4 | 50 | 36 | 13/16-12 |

PRZYŁĄCZE PROSTE NAKRĘTNE Z GWINTEM BSP I USZCZELNIENIEM ELASTOMEROWYM

MALE STUD CRIMPED NUT COUPLING WITH ELASTOMER SEAL THREAD BSP PARALLEL

4033..

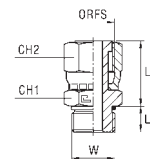


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|-------|-------|----|-----|-----|-----------|
| 630 | 403301 | 6 | 1/4 | 1/8 | 26,5 | 8 | 17 | 17 | 9/16-18 |
| | 403302 | 8-10 | 5/16-3/8 | 1/4 | 28,5 | 12 | 19 | 22 | 11/16-16 |
| | 403303 | 12 | 1/2 | 3/8 | 35,5 | 12 | 22 | 24 | 13/16-16 |
| 420 | 403304 | 14-15-16 | 5/8 | 1/2 | 38 | 14 | 27 | 30 | 1-14 |
| | 403305 | 18-20 | 3/4 | 3/4 | 41,5 | 16 | 32 | 36 | 13/16-12 |
| | 403306 | 22-25 | 7/8-1 | 1 | 49 | 18 | 41 | 41 | 17/16-12 |
| 280 | 403307 | 28-30-32 | 1 1/4 | 1 1/4 | 49 | 20 | 50 | 50 | 1 1/16-12 |
| | 403308 | 35-38 | 1 1/2 | 1 1/2 | 49 | 22 | 55 | 60 | 2-12 |
| | 403309 | 6 | 1/4 | 1/4 | 26,5 | 12 | 19 | 17 | 9/16-18 |
| 630 | 403310 | 8-10 | 5/16-3/8 | 3/8 | 32,5 | 12 | 22 | 22 | 11/16-16 |
| | 403311 | 12 | 1/2 | 1/2 | 34 | 14 | 27 | 24 | 13/16-16 |
| | 420 | 403312 | 18-20 | 3/4 | 1 1/4 | 48 | 20 | 50 | 36 |

PRZYŁĄCZE PROSTE NAKRĘTNE Z GWINTEM UNF/UN-2A I USZCZELNIENIEM TYPU O-RING

MALE STUD CRIMPED NUT COUPLING WITH O-RING SEAL - THREAD UNF/UN-2A

4035...

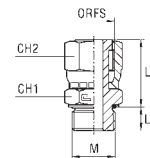


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | W | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|-----------|--------|------|-----|-----|-----------|
| 630 | 403501 | 6 | 1/4 | 7/16-20 | 26,5 | 11 | 17 | 17 | 9/16-18 |
| | 403502 | 8-10 | 5/16-3/8 | 9/16-18 | 28,5 | 12 | 19 | 22 | 11/16-16 |
| | 403503 | 12 | 1/2 | 3/4-16 | 35,5 | 14 | 22 | 24 | 13/16-16 |
| 420 | 403504 | 14-15-16 | 5/8 | 7/8-14 | 38 | 16 | 27 | 30 | 1-14 |
| | 403505 | 18-20 | 3/4 | 1 1/16-12 | 41,5 | 18,5 | 32 | 36 | 13/16-12 |
| | 403506 | 22-25 | 7/8-1 | 15/16-12 | 49 | 18,5 | 41 | 41 | 17/16-12 |
| 280 | 403507 | 28-30-32 | 1 1/4 | 15/8-12 | 49 | 18,5 | 46 | 50 | 1 1/16-12 |
| | 403508 | 35-38 | 1 1/2 | 17/8-12 | 49 | 18,5 | 55 | 60 | 2-12 |
| | 403509 | 8-10 | 5/16-3/8 | 7/16-20 | 28,5 | 11 | 19 | 22 | 11/16-16 |
| 630 | 403510 | 8-10 | 5/16-3/8 | 3/4-16 | 32,5 | 11 | 22 | 22 | 11/16-16 |
| | 403511 | 12 | 1/2 | 7/8-14 | 34 | 16 | 27 | 24 | 13/16-16 |
| | 420 | 403512 | 14-15-16 | 5/8 | 3/4-16 | 38 | 14 | 27 | 30 |
| 420 | 403513 | 14-15-16 | 5/8 | 11/16-12 | 39 | 18,5 | 32 | 30 | 1-14 |
| | 403514 | 18-20 | 3/4 | 7/8-14 | 41,5 | 16 | 32 | 36 | 13/16-12 |
| | 403515 | 18-20 | 3/4 | 15/16-12 | 48 | 18,5 | 41 | 36 | 13/16-12 |

PRZYŁĄCZE PROSTE NAKRĘTNE Z GWINTEM METRYCZNYM I USZCZELNIENIEM TYPU O-RING

MALE STUD CRIMPED NUT COUPLING WITH O-RING AND WASHER - THREAD METRIC PARALLEL

4037...



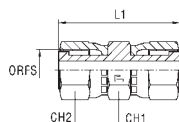
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | M | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|--------|------|------|-----|-----|-----------|
| 400 | 403701 | 6 | 1/4 | 12x1,5 | 27,9 | 9,6 | 17 | 17 | 9/16-18 |
| | 403702 | 8-10 | 5/16-3/8 | 14x1,5 | 29,4 | 9,6 | 19 | 22 | 11/16-16 |
| | 403703 | 12 | 1/2 | 18x1,5 | 36,9 | 12,6 | 24 | 24 | 13/16-16 |
| 315 | 403704 | 14-15-16 | 5/8 | 22x1,5 | 39,4 | 13,6 | 27 | 30 | 1-14 |
| | 403705 | 18-20 | 3/4 | 27x2 | 43,5 | 16,5 | 32 | 36 | 13/16-12 |
| 280 | 403706 | 22-25 | 7/8-1 | 33x2 | 51 | 16,5 | 41 | 41 | 17/16-12 |
| | 403707 | 28-30-32 | 1 1/4 | 42x2 | 51 | 17 | 50 | 50 | 1 1/16-12 |
| 250 | 403708 | 35-38 | 1 1/2 | 48x2 | 51 | 19,5 | 55 | 60 | 2-12 |
| 400 | 403709 | 6 | 1/4 | 10x1 | 27,5 | 7,5 | 17 | 17 | 9/16-18 |
| | 403710 | 8-10 | 5/16-3/8 | 16x1,5 | 29,9 | 11,1 | 22 | 22 | 11/16-16 |
| | 403711 | 12 | 1/2 | 16x1,5 | 32,9 | 11,1 | 22 | 24 | 13/16-16 |
| 315 | 403712 | 14-15-16 | 5/8 | 18x1,5 | 39,4 | 12,6 | 27 | 30 | 1-14 |
| | 403713 | 18-20 | 3/4 | 22x1,5 | 42,9 | 13,6 | 32 | 36 | 13/16-12 |
| | 403714 | 22-25 | 7/8-1 | 27x2 | 51 | 16,5 | 41 | 41 | 17/16-12 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 40.. na 41.. np. 400201 na 410201.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 40.. to 41.. ex. 400201 to 410201.

ZŁĄCZE PROSTE NAKRĘTNE

STRAIGHT WITH DOUBLE CRIMPED NUT COUPLING

4038...

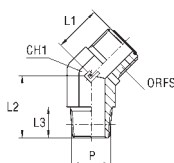


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|------|-----|-----|----------|
| 630 | 403801 | 6 | 1/4 | 39,5 | 17 | 17 | 9/16-18 |
| | 403802 | 8-10 | 5/16-3/8 | 45 | 19 | 22 | 11/16-16 |
| | 403803 | 12 | 1/2 | 51,5 | 22 | 24 | 13/16-16 |
| 420 | 403804 | 14-15-16 | 5/8 | 61,5 | 27 | 30 | 1-14 |
| | 403805 | 18-20 | 3/4 | 68 | 32 | 36 | 13/16-12 |
| | 403806 | 22-25 | 7/8-1 | 71,5 | 41 | 41 | 17/16-12 |
| 280 | 403807 | 28-30-32 | 1 1/4 | 73,5 | 46 | 50 | 11/16-12 |
| | 403808 | 35-38 | 1 1/2 | 75 | 55 | 60 | 2-12 |

KORPUS PRZYŁĄCZA KOLANOWEGO 45° Z GWINTEM NPTF

MALE STUD 45° ELBOW - THREAD NPTF

4040...

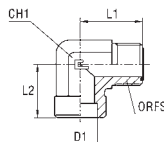


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | P | L1 | L2 | L3 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|-------|------|------|------|-----|----------|
| 420 | 404001 | 6 | 1/4 | 1/8 | 16 | 16,5 | 10 | 14 | 9/16-18 |
| 630 | 404002 | 8-10 | 5/16-3/8 | 1/4 | 19 | 24 | 14,5 | 19 | 11/16-16 |
| | 404003 | 12 | 1/2 | 3/8 | 20,5 | 24 | 14,5 | 19 | 13/16-16 |
| 420 | 404004 | 14-15-16 | 5/8 | 1/2 | 23,5 | 30,5 | 19 | 27 | 1-14 |
| | 404005 | 18-20 | 3/4 | 3/4 | 26 | 30,5 | 19 | 30 | 13/16-12 |
| 280 | 404006 | 22-25 | 7/8-1 | 1 | 30 | 38 | 24 | 36 | 17/16-12 |
| | 404007 | 28-30-32 | 1 1/4 | 1 1/4 | 32 | 42 | 25 | 41 | 11/16-12 |
| 630 | 404008 | 35-38 | 1 1/2 | 1 1/2 | 37 | 45 | 26 | 48 | 2-12 |
| | 404009 | 6 | 1/4 | 1/4 | 16 | 22 | 14,5 | 14 | 9/16-18 |
| 420 | 404010 | 6 | 1/4 | 3/8 | 17,5 | 24 | 14,5 | 19 | 9/16-18 |
| | 404011 | 8-10 | 5/16-3/8 | 3/8 | 19 | 24 | 14,5 | 19 | 11/16-16 |
| 630 | 404012 | 8-10 | 5/16-3/8 | 1/2 | 20 | 29,5 | 19 | 22 | 11/16-16 |
| | 404013 | 12 | 1/2 | 1/4 | 20,5 | 24 | 14,5 | 19 | 13/16-16 |
| 420 | 404014 | 12 | 1/2 | 1/2 | 21 | 29,5 | 19 | 22 | 13/16-16 |
| | 404015 | 12 | 1/2 | 3/4 | 21,5 | 30,5 | 19 | 27 | 13/16-16 |
| 630 | 404016 | 14-15-16 | 5/8 | 3/8 | 23,5 | 27 | 14,5 | 27 | 1-14 |
| | 404017 | 14-15-16 | 5/8 | 3/4 | 23,5 | 30,5 | 19 | 27 | 1-14 |
| 420 | 404018 | 18-20 | 3/4 | 1/2 | 26 | 30,5 | 19 | 30 | 13/16-12 |
| | 404019 | 18-20 | 3/4 | 1 | 29,5 | 38 | 24 | 33 | 13/16-12 |
| 280 | 404020 | 22-25 | 7/8-1 | 3/4 | 30 | 33 | 19 | 36 | 17/16-12 |
| | 404021 | 28-30-32 | 1 1/4 | 1 | 32 | 41 | 24 | 41 | 11/16-12 |
| 630 | 404022 | 35-38 | 1 1/2 | 1 1/4 | 37 | 44 | 25 | 48 | 2-12 |

KORPUS ZŁĄCZA KOLANOWEGO DO SPAWANIA WEWNĘTRZNEGO

FEMALE WELDABLE ELBOW

4042...

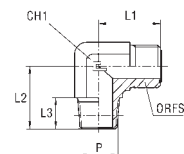


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | D1 | L1 | L2 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|----|------|----|-----|----------|
| 630 | 404201 | 6 | 1/4 | 6 | 21,5 | 20 | 14 | 9/16-18 |
| | 404202 | 8-10 | 5/16-3/8 | 10 | 25 | 23 | 19 | 11/16-16 |
| | 404203 | 12 | 1/2 | 12 | 28 | 25 | 19 | 13/16-16 |
| 420 | 404204 | 14-15-16 | 5/8 | 16 | 33,5 | 30 | 27 | 1-14 |
| | 404205 | 18-20 | 3/4 | 20 | 37,5 | 32 | 30 | 13/16-12 |
| 280 | 404206 | 22-25 | 7/8-1 | 25 | 41,5 | 36 | 36 | 17/16-12 |
| | 404207 | 28-30-32 | 1 1/4 | 30 | 44,5 | 42 | 41 | 11/16-12 |
| 630 | 404208 | 35-38 | 1 1/2 | 38 | 49 | 44 | 48 | 2-12 |
| 420 | 404209 | 8-10 | 5/16-3/8 | 8 | 25 | 23 | 19 | 11/16-16 |
| | 404210 | 14-15-16 | 5/8 | 14 | 33,5 | 30 | 27 | 1-14 |
| 280 | 404211 | 14-15-16 | 5/8 | 15 | 33,5 | 30 | 27 | 1-14 |
| | 404212 | 18-20 | 3/4 | 18 | 37,5 | 32 | 30 | 13/16-12 |
| 630 | 404213 | 22-25 | 7/8-1 | 22 | 41,5 | 36 | 36 | 17/16-12 |
| | 404214 | 28-30-32 | 1 1/4 | 28 | 44,5 | 42 | 41 | 11/16-12 |
| 280 | 404215 | 28-30-32 | 1 1/4 | 32 | 44,5 | 42 | 41 | 11/16-12 |
| 630 | 404216 | 35-38 | 1 1/2 | 35 | 49 | 44 | 48 | 2-12 |

KORPUS PRZYŁĄCZA KOLANOWEGO Z GWINTEM NPTF

MALE STUD ELBOW - THREAD NPTF

4039...

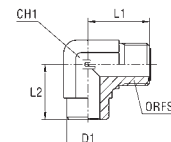


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | P | L1 | L2 | L3 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|-------|------|------|------|-----|----------|
| 420 | 403901 | 6 | 1/4 | 1/8 | 21,5 | 20 | 10 | 14 | 9/16-18 |
| 630 | 403902 | 8-10 | 5/16-3/8 | 1/4 | 25 | 31 | 14,5 | 19 | 11/16-16 |
| | 403903 | 12 | 1/2 | 3/8 | 28 | 31 | 14,5 | 19 | 13/16-16 |
| 420 | 403904 | 14-15-16 | 5/8 | 1/2 | 33,5 | 37,5 | 19 | 27 | 1-14 |
| | 403905 | 18-20 | 3/4 | 3/4 | 37,5 | 40 | 19 | 30 | 13/16-12 |
| 280 | 403906 | 22-25 | 7/8-1 | 1 | 41,5 | 50 | 24 | 36 | 17/16-12 |
| | 403907 | 28-30-32 | 1 1/4 | 1 1/4 | 44,5 | 60 | 25 | 41 | 11/16-12 |
| 630 | 403908 | 35-38 | 1 1/2 | 1 1/2 | 49 | 67 | 26 | 48 | 2-12 |
| | 403909 | 6 | 1/4 | 1/4 | 21,5 | 28 | 14,5 | 14 | 9/16-18 |
| 420 | 403910 | 6 | 1/4 | 3/8 | 23,5 | 31 | 14,5 | 19 | 9/16-18 |
| | 403911 | 8-10 | 5/16-3/8 | 3/8 | 25 | 31 | 14,5 | 19 | 11/16-16 |
| 630 | 403912 | 8-10 | 5/16-3/8 | 1/2 | 28 | 37,5 | 19 | 22 | 11/16-16 |
| | 403913 | 12 | 1/2 | 1/4 | 28 | 31 | 14,5 | 19 | 13/16-16 |
| 420 | 403914 | 12 | 1/2 | 1/2 | 30 | 37,5 | 19 | 22 | 13/16-16 |
| | 403915 | 12 | 1/2 | 3/4 | 31,5 | 40 | 19 | 27 | 13/16-16 |
| 630 | 403916 | 14-15-16 | 5/8 | 3/8 | 33,5 | 33 | 14,5 | 27 | 1-14 |
| | 403917 | 14-15-16 | 5/8 | 3/4 | 33,5 | 40 | 19 | 27 | 1-14 |
| 420 | 403918 | 18-20 | 3/4 | 1/2 | 37,5 | 40 | 19 | 30 | 13/16-12 |
| | 403919 | 18-20 | 3/4 | 1 | 38 | 50 | 24 | 33 | 13/16-12 |
| 280 | 403920 | 22-25 | 7/8-1 | 3/4 | 41,5 | 45,5 | 19 | 36 | 17/16-12 |
| | 403921 | 28-30-32 | 1 1/4 | 1 | 44,5 | 51 | 24 | 41 | 11/16-12 |
| 630 | 403922 | 35-38 | 1 1/2 | 1 1/4 | 49 | 66 | 25 | 48 | 2-12 |

KORPUS ZŁĄCZA KOLANOWEGO DO SPAWANIA

MALE WELDABLE ELBOW

4041...

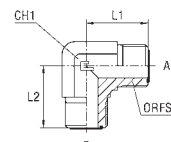


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | D1 | L1 | L2 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|----|------|------|-----|----------|
| 630 | 404101 | 6 | 1/4 | 6 | 21,5 | 20 | 14 | 9/16-18 |
| | 404102 | 8-10 | 5/16-3/8 | 10 | 25 | 25 | 19 | 11/16-16 |
| | 404103 | 12 | 1/2 | 12 | 28 | 25 | 19 | 13/16-16 |
| 420 | 404104 | 14-15-16 | 5/8 | 16 | 33,5 | 33,5 | 27 | 1-14 |
| | 404105 | 18-20 | 3/4 | 20 | 37,5 | 37,5 | 30 | 13/16-12 |
| 280 | 404106 | 22-25 | 7/8-1 | 25 | 41,5 | 42 | 36 | 17/16-12 |
| | 404107 | 28-30-32 | 1 1/4 | 30 | 44,5 | 45 | 41 | 11/16-12 |
| 630 | 404108 | 35-38 | 1 1/2 | 38 | 49 | 49 | 48 | 2-12 |
| | 404109 | 8-10 | 5/16-3/8 | 8 | 25 | 25 | 19 | 11/16-16 |
| 420 | 404110 | 14-15-16 | 5/8 | 14 | 33,5 | 33,5 | 27 | 1-14 |
| | 404111 | 14-15-16 | 5/8 | 15 | 33,5 | 33,5 | 27 | 1-14 |
| 630 | 404112 | 18-20 | 3/4 | 18 | 37,5 | 37,5 | 30 | 13/16-12 |
| | 404113 | 22-25 | 7/8-1 | 22 | 41,5 | 42 | 36 | 17/16-12 |
| 280 | 404114 | 28-30-32 | 1 1/4 | 28 | 44,5 | 45 | 41 | 11/16-12 |
| | 404115 | 28-30-32 | 1 1/4 | 32 | 44,5 | 45 | 41 | 11/16-12 |
| 630 | 404116 | 35-38 | 1 1/2 | 35 | 49 | 49 | 48 | 2-12 |

KORPUS ZŁĄCZA KOLANOWEGO I REDUKCYJNEGO

EQUAL ELBOW

4043...



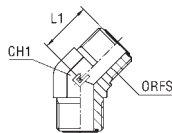
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury A ^W (Ø Tube A ^W) | Ø Rury B ^W (Ø Tube B ^W) | Ø Rury A ^W (Ø Tube A ^W) | Ø Rury B ^W (Ø Tube B ^W) | L1 | L2 | CH1 | ORFS A | ORFS B |
|-----------------|---|--|--|--|--|------|------|-----|----------|----------|
| 630 | 404301 | 6 | 6 | 1/4 | 1/4 | 21,5 | 21,5 | 14 | 9/16-18 | 9/16-18 |
| | 404302 | 8-10 | 8-10 | 5/16-3/8 | 5/16-3/8 | 25 | 25 | 19 | 11/16-16 | 11/16-16 |
| | 404303 | 12 | 12 | 1/2 | 1/2 | 28 | 28 | 19 | 13/16-16 | 13/16-16 |
| 420 | 404304 | 14-15-16 | 14-15-16 | 5/8 | 5/8 | 33,5 | 33,5 | 27 | 1-14 | 1-14 |
| | 404305 | 18-20 | 18-20 | 3/4 | 3/4 | 37,5 | 37,5 | 30 | 13/16-12 | 13/16-12 |
| 280 | 404306 | 22-25 | 22-25 | 7/8-1 | 7/8-1 | 41,5 | 41,5 | 36 | 17/16-12 | 17/16-12 |
| | 404307 | 28-30-32 | 28-30-32 | 1 1/4 | 1 1/4 | 44,5 | 44,5 | 41 | 11/16-12 | 11/16-12 |
| 630 | 404308 | 35-38 | 35-38 | 1 1/2 | 1 1/2 | 49 | 49 | 48 | 2-12 | 2-12 |
| | 404309 | 8-10 | 6 | 5/16-3/8 | 1/4 | 25 | 23,5 | 19 | 11/16-16 | 9/16-18 |
| 420 | 404310 | 12 | 8-10 | 1/2 | 3/8-5/16 | 28 | 25 | 19 | 13/16-16 | 11/16-16 |
| | 404311 | 14-15-16 | 12 | 5/8 | 1/2 | 33,5 | 31,5 | 27 | 1-14 | 13/16-16 |
| 280 | 404312 | 18-20 | 8-10 | 3/4 | 5/16-3/8 | 37,5 | 32,5 | 30 | 13/16-12 | 11/16-16 |
| | 404313 | 18-20 | 12 | 3/4 | 1/2 | 37,5 | 34,5 | 30 | 13/16-12 | 13/16-16 |
| 630 | 404314 | 18-20 | 14-15-16 | 3/4 | 5/8 | 37,5 | 36,5 | 30 | 13/16-12 | 1-14 |
| | 404315 | 22-25 | 18-20 | 7/8-1 | 3/4 | 41,5 | 41 | 36 | 17/16-12 | 13/16-12 |
| 280 | 404316 | 28-30-32 | 22-25 | 1 1/4 | 7/8-1 | 44,5 | 44,5 | 41 | 11/16-12 | 17/16-12 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 40.. na 41.. np. 400201 na 410201.
 * Note: If you wish to order a fitting in stainless steel, please change the first two digit from 40.. to 41.. ex. 400201 to 410201.

KORPUS ZŁĄCZA KOLANOWEGO 45°

EQUAL 45° ELBOW

4044...

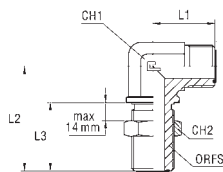


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|------|-----|----------|
| 630 | 404401 | 6 | 1/4 | 16 | 14 | 9/16-18 |
| | 404402 | 8-10 | 5/16-3/8 | 19 | 19 | 11/16-16 |
| | 404403 | 12 | 1/2 | 20,5 | 19 | 13/16-16 |
| 420 | 404404 | 14-15-16 | 5/8 | 23,5 | 27 | 1-14 |
| | 404405 | 18-20 | 3/4 | 26 | 30 | 13/16-12 |
| | 404406 | 22-25 | 7/8-1 | 30 | 36 | 17/16-12 |
| 280 | 404407 | 28-30-32 | 1 1/4 | 32 | 41 | 11/16-12 |
| | 404408 | 35-38 | 1 1/2 | 37 | 48 | 2-12 |

KORPUS ZŁĄCZA GRODZIOWEGO KOLANOWEGO

BULKHEAD ELBOW

4046...

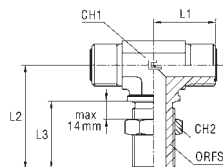


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | L2 | L3 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|------|------|------|-----|-----|----------|
| 630 | 404601 | 6 | 1/4 | 21,5 | 47 | 31,5 | 14 | 22 | 9/16-18 |
| | 404602 | 8-10 | 5/16-3/8 | 25 | 52 | 34 | 19 | 27 | 11/16-16 |
| | 404603 | 12 | 1/2 | 28 | 55,5 | 36,5 | 19 | 30 | 13/16-16 |
| 420 | 404604 | 14-15-16 | 5/8 | 33,5 | 63 | 40,5 | 27 | 36 | 1-14 |
| | 404605 | 18-20 | 3/4 | 37,5 | 67 | 41,5 | 30 | 41 | 13/16-12 |
| | 404606 | 22-25 | 7/8-1 | 41,5 | 71 | 42 | 36 | 46 | 17/16-12 |
| 280 | 404607 | 28-30-32 | 1 1/4 | 44,5 | 75,5 | 42 | 41 | 50 | 11/16-12 |
| | 404608 | 35-38 | 1 1/2 | 49 | 79,5 | 42 | 48 | 60 | 2-12 |

KORPUS ZŁĄCZA GRODZIOWEGO TRÓJNIKOWO SYMETRYCZNEGO

BULKHEAD BRANCH TEE

4048...

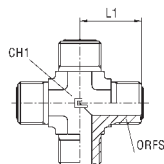


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | L2 | L3 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|------|------|------|-----|-----|----------|
| 630 | 404801 | 6 | 1/4 | 21,5 | 47 | 31,5 | 14 | 22 | 9/16-18 |
| | 404802 | 8-10 | 5/16-3/8 | 25 | 52 | 34 | 19 | 27 | 11/16-16 |
| | 404803 | 12 | 1/2 | 28 | 55,5 | 36,5 | 19 | 30 | 13/16-16 |
| 420 | 404804 | 14-15-16 | 5/8 | 33,5 | 63 | 40,5 | 27 | 36 | 1-14 |
| | 404805 | 18-20 | 3/4 | 37,5 | 67 | 41,5 | 30 | 41 | 13/16-12 |
| | 404806 | 22-25 | 7/8-1 | 41,5 | 71 | 42 | 36 | 46 | 17/16-12 |
| 280 | 404807 | 28-30-32 | 1 1/4 | 44,5 | 75,5 | 42 | 41 | 50 | 11/16-12 |
| | 404808 | 35-38 | 1 1/2 | 49 | 79,5 | 42 | 48 | 60 | 2-12 |

KORPUS ZŁĄCZA CZWÓRNIKOWEGO

EQUAL CROSS

4050...

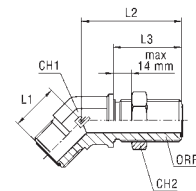


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|------|-----|----------|
| 630 | 405001 | 6 | 1/4 | 21,5 | 14 | 9/16-18 |
| | 405002 | 8-10 | 5/16-3/8 | 25 | 19 | 11/16-16 |
| | 405003 | 12 | 1/2 | 28 | 19 | 13/16-16 |
| 420 | 405004 | 14-15-16 | 5/8 | 33,5 | 27 | 1-14 |
| | 405005 | 18-20 | 3/4 | 37,5 | 30 | 13/16-12 |
| | 405006 | 22-25 | 7/8-1 | 41,5 | 36 | 17/16-12 |
| 280 | 405007 | 28-30-32 | 1 1/4 | 44,5 | 41 | 11/16-12 |
| | 405008 | 35-38 | 1 1/2 | 49 | 48 | 2-12 |

KORPUS ZŁĄCZA GRODZIOWEGO KOLANOWEGO 45°

BULKHEAD 45° ELBOW

4045...

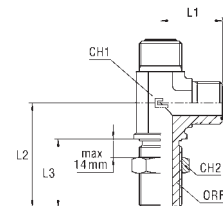


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | L2 | L3 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|------|------|------|-----|-----|----------|
| 630 | 404501 | 6 | 1/4 | 16 | 44 | 31,5 | 14 | 22 | 9/16-18 |
| | 404502 | 8-10 | 5/16-3/8 | 19 | 48,5 | 34 | 19 | 27 | 11/16-16 |
| | 404503 | 12 | 1/2 | 20,5 | 51 | 36,5 | 19 | 30 | 13/16-16 |
| 420 | 404504 | 14-15-16 | 5/8 | 23,5 | 56,5 | 40,5 | 27 | 36 | 1-14 |
| | 404505 | 18-20 | 3/4 | 26 | 60,5 | 41,5 | 30 | 41 | 13/16-12 |
| | 404506 | 22-25 | 7/8-1 | 30 | 65 | 42 | 36 | 46 | 17/16-12 |
| 280 | 404507 | 28-30-32 | 1 1/4 | 32 | 67 | 42 | 41 | 50 | 11/16-12 |
| | 404508 | 35-38 | 1 1/2 | 37 | 67 | 42 | 48 | 60 | 2-12 |

KORPUS ZŁĄCZA GRODZIOWEGO TRÓJNIKOWO NIESYMETRYCZNEGO

BULKHEAD BARREL TEE

4047...

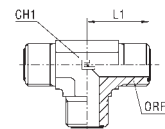


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | L2 | L3 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|------|------|------|-----|-----|----------|
| 630 | 404701 | 6 | 1/4 | 21,5 | 47 | 31,5 | 14 | 22 | 9/16-18 |
| | 404702 | 8-10 | 5/16-3/8 | 25 | 52 | 34 | 19 | 27 | 11/16-16 |
| | 404703 | 12 | 1/2 | 28 | 55,5 | 36,5 | 19 | 30 | 13/16-16 |
| 420 | 404704 | 14-15-16 | 5/8 | 33,5 | 63 | 40,5 | 27 | 36 | 1-14 |
| | 404705 | 18-20 | 3/4 | 37,5 | 67 | 41,5 | 30 | 41 | 13/16-12 |
| | 404706 | 22-25 | 7/8-1 | 41,5 | 71 | 42 | 36 | 46 | 17/16-12 |
| 280 | 404707 | 28-30-32 | 1 1/4 | 44,5 | 75,5 | 42 | 41 | 50 | 11/16-12 |
| | 404708 | 35-38 | 1 1/2 | 49 | 79,5 | 42 | 48 | 60 | 2-12 |

KORPUS ZŁĄCZA TRÓJNIKOWEGO

EQUAL TEE

4049...



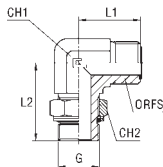
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|------|-----|----------|
| 630 | 404901 | 6 | 1/4 | 21,5 | 14 | 9/16-18 |
| | 404902 | 8-10 | 5/16-3/8 | 25 | 19 | 11/16-16 |
| | 404903 | 12 | 1/2 | 28 | 19 | 13/16-16 |
| 420 | 404904 | 14-15-16 | 5/8 | 33,5 | 27 | 1-14 |
| | 404905 | 18-20 | 3/4 | 37,5 | 30 | 13/16-12 |
| | 404906 | 22-25 | 7/8-1 | 41,5 | 36 | 17/16-12 |
| 280 | 404907 | 28-30-32 | 1 1/4 | 44,5 | 41 | 11/16-12 |
| | 404908 | 35-38 | 1 1/2 | 49 | 48 | 2-12 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 40.. na 41.. np. 400201 na 410201.
 * Note: If you wish to order a fitting in stainless steel, please change the first two digit from 40.. to 41.. ex. 400201 to 410201.

KORPUS PRZYŁĄCZA KOLANOWEGO NASTAWNEGO Z GWINTEM BSP I USZCZELNIENIEM TYPU O-RING

ADJUSTABLE MALE STUD ELBOW WITH O-RING AND WASHER - THREAD BSP PARALLEL

4051...

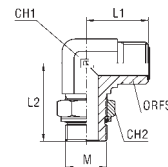


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|-------|------|------|-----|-----|-----------|
| 350 | 405101 | 6 | 1/4 | 1/8 | 21,5 | 30 | 14 | 14 | 9/16-18 |
| 315 | 405102 | 8-10 | 5/16-3/8 | 1/4 | 25 | 37 | 19 | 19 | 11/16-16 |
| 250 | 405103 | 12 | 1/2 | 3/8 | 28 | 38 | 19 | 22 | 13/16-16 |
| | 405104 | 14-15-16 | 5/8 | 1/2 | 33,5 | 48 | 27 | 27 | 1-14 |
| 200 | 405105 | 18-20 | 3/4 | 3/4 | 37,5 | 51,5 | 30 | 36 | 13/16-12 |
| | 405106 | 22-25 | 7/8-1 | 1 | 41,5 | 58,5 | 36 | 41 | 17/16-12 |
| 160 | 405107 | 28-30-32 | 1 1/4 | 1 1/4 | 44,5 | 60,5 | 41 | 50 | 1 1/16-12 |
| | 405108 | 35-38 | 1 1/2 | 1 1/2 | 49 | 64 | 48 | 55 | 2-12 |
| 315 | 405109 | 6 | 1/4 | 1/4 | 21,5 | 35 | 14 | 19 | 9/16-18 |
| 250 | 405110 | 6 | 1/4 | 3/8 | 23,5 | 38 | 19 | 22 | 9/16-18 |
| | 405111 | 8-10 | 5/16-3/8 | 3/8 | 25 | 38 | 19 | 22 | 11/16-16 |
| 315 | 405112 | 8-10 | 5/16-3/8 | 1/2 | 28 | 48 | 22 | 27 | 11/16-16 |
| | 405113 | 12 | 1/2 | 1/4 | 28 | 37 | 19 | 19 | 13/16-16 |
| 250 | 405114 | 12 | 1/2 | 1/2 | 30 | 48 | 22 | 27 | 13/16-16 |
| | 405115 | 12 | 1/2 | 3/4 | 31,5 | 51,5 | 27 | 36 | 13/16-16 |
| 315 | 405116 | 14-15-16 | 5/8 | 1/4 | 33,5 | 42,5 | 27 | 19 | 1-14 |
| 250 | 405117 | 14-15-16 | 5/8 | 3/8 | 33,5 | 42,5 | 27 | 22 | 1-14 |
| | 405118 | 14-15-16 | 5/8 | 3/4 | 33,5 | 51,5 | 27 | 36 | 1-14 |
| 200 | 405119 | 14-15-16 | 5/8 | 1 | 37 | 58,5 | 33 | 41 | 1-14 |
| 315 | 405120 | 18-20 | 3/4 | 1/4 | 37,5 | 43,5 | 30 | 19 | 13/16-12 |
| 250 | 405121 | 18-20 | 3/4 | 1/2 | 37,5 | 49 | 30 | 27 | 13/16-12 |
| 200 | 405122 | 18-20 | 3/4 | 1 | 38 | 58,5 | 33 | 41 | 13/16-12 |
| 315 | 405123 | 22-25 | 7/8-1 | 1/4 | 41,5 | 52 | 36 | 19 | 17/16-12 |
| 250 | 405124 | 22-25 | 7/8-1 | 3/4 | 41,5 | 57,5 | 36 | 36 | 17/16-12 |
| 200 | 405125 | 22-25 | 7/8-1 | 1 1/4 | 44,5 | 60,5 | 41 | 50 | 17/16-12 |
| | 405126 | 28-30-32 | 1 1/4 | 1 | 44,5 | 60,5 | 41 | 41 | 1 1/16-12 |
| 160 | 405127 | 28-30-32 | 1 1/4 | 1 1/2 | 48,5 | 64 | 48 | 55 | 1 1/16-12 |

KORPUS PRZYŁĄCZA KOLANOWEGO NASTAWNEGO Z GWINTEM METRYCZNYM I USZCZELNIENIEM TYPU O-RING

ADJUSTABLE MALE STUD ELBOW WITH O-RING AND WASHER - THREAD METRIC PARALLEL

4052...

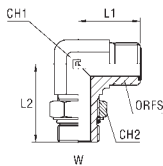


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | M | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|--------|------|------|-----|-----|-----------|
| 315 | 405201 | 6 | 1/4 | 12x1,5 | 21,5 | 33 | 14 | 17 | 9/16-18 |
| | 405202 | 8-10 | 5/16-3/8 | 14x1,5 | 25 | 35,5 | 19 | 19 | 11/16-16 |
| 250 | 405203 | 12 | 1/2 | 18x1,5 | 28 | 41 | 19 | 24 | 13/16-16 |
| | 405204 | 14-15-16 | 5/8 | 22x1,5 | 33,5 | 49 | 27 | 27 | 1-14 |
| 160 | 405205 | 18-20 | 3/4 | 27x2 | 37,5 | 55,5 | 30 | 32 | 13/16-12 |
| | 405206 | 22-25 | 7/8-1 | 33x2 | 41,5 | 59,5 | 36 | 41 | 17/16-12 |
| 315 | 405207 | 28-30-32 | 1 1/4 | 42x2 | 44,5 | 63 | 41 | 50 | 1 1/16-12 |
| | 405208 | 35-38 | 1 1/2 | 48x2 | 49 | 68,5 | 48 | 55 | 2-12 |
| 250 | 405209 | 6 | 1/4 | 10x1 | 21,5 | 30 | 14 | 14 | 9/16-18 |
| | 405210 | 8-10 | 5/16-3/8 | 16x1,5 | 25 | 37,5 | 19 | 22 | 11/16-16 |
| 315 | 405211 | 12 | 1/2 | 16x1,5 | 28 | 37,5 | 19 | 22 | 13/16-16 |
| | 405212 | 12 | 1/2 | 22x1,5 | 31,5 | 49 | 27 | 27 | 13/16-16 |
| 315 | 405213 | 14-15-16 | 5/8 | 18x1,5 | 33,5 | 47,5 | 27 | 24 | 1-14 |
| 250 | 405214 | 14-15-16 | 5/8 | 27x2 | 33,5 | 55,5 | 27 | 32 | 1-14 |
| | 405215 | 18-20 | 3/4 | 22x1,5 | 37,5 | 49,5 | 30 | 27 | 13/16-12 |
| 160 | 405216 | 18-20 | 3/4 | 33x2 | 38 | 59,5 | 33 | 41 | 13/16-12 |
| 250 | 405217 | 22-25 | 7/8-1 | 27x2 | 41,5 | 59,5 | 36 | 32 | 17/16-12 |
| 160 | 405218 | 22-25 | 7/8-1 | 42x2 | 44,5 | 63 | 41 | 50 | 17/16-12 |
| | 405219 | 28-30-32 | 1 1/4 | 48x2 | 48,5 | 68,5 | 48 | 55 | 1 1/16-12 |

KORPUS PRZYŁĄCZA KOLANOWEGO NASTAWNEGO Z GWINTEM UNF/UN-2A I USZCZELNIENIEM TYPU O-RING

ADJUSTABLE MALE STUD ELBOW WITH O-RING - THREAD UNF/UN-2A

4053...

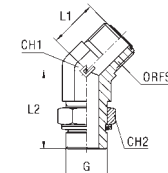


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | W | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|----------|------|------|-----|-----|-----------|
| 420 | 405301 | 6 | 1/4 | 7/16-20 | 21,5 | 32,5 | 14 | 14 | 9/16-18 |
| | 405302 | 8-10 | 5/16-3/8 | 9/16-18 | 25 | 37 | 19 | 17 | 11/16-16 |
| | 405303 | 12 | 1/2 | 3/4-16 | 28 | 40,5 | 19 | 22 | 13/16-16 |
| | 405304 | 14-15-16 | 5/8 | 7/8-14 | 33,5 | 50 | 27 | 27 | 1-14 |
| 380 | 405305 | 18-20 | 3/4 | 1 1/8-12 | 37,5 | 55 | 30 | 32 | 13/16-12 |
| | 405306 | 22-25 | 7/8-1 | 1 5/8-12 | 41,5 | 59,5 | 36 | 41 | 17/16-12 |
| 280 | 405307 | 28-30-32 | 1 1/4 | 1 5/8-12 | 44,5 | 62 | 41 | 50 | 1 1/16-12 |
| | 405308 | 35-38 | 1 1/2 | 1 7/8-12 | 49 | 66 | 48 | 55 | 2-12 |
| 315 | 405309 | 6 | 1/4 | 9/16-18 | 21,5 | 34,5 | 14 | 17 | 9/16-18 |
| | 405310 | 6 | 1/4 | 3/4-16 | 23,5 | 40,5 | 19 | 22 | 9/16-18 |
| 420 | 405311 | 8-10 | 5/16-3/8 | 7/16-20 | 25 | 35 | 19 | 14 | 11/16-16 |
| | 405312 | 8-10 | 5/16-3/8 | 3/4-16 | 25 | 40,5 | 19 | 22 | 11/16-16 |
| 315 | 405313 | 8-10 | 5/16-3/8 | 7/8-14 | 28 | 50 | 22 | 27 | 11/16-16 |
| | 405314 | 8-10 | 5/16-3/8 | 1 1/8-12 | 29,5 | 55 | 27 | 32 | 11/16-16 |
| 250 | 405315 | 12 | 1/2 | 9/16-18 | 28 | 37 | 19 | 17 | 13/16-16 |
| | 405316 | 12 | 1/2 | 7/8-14 | 30 | 50 | 22 | 27 | 13/16-16 |
| 160 | 405317 | 12 | 1/2 | 1 1/8-12 | 31,5 | 55 | 27 | 32 | 13/16-16 |
| | 405318 | 14-15-16 | 5/8 | 3/4-16 | 33,5 | 48 | 27 | 22 | 1-14 |
| 200 | 405319 | 14-15-16 | 5/8 | 1 1/8-12 | 33,5 | 55 | 27 | 32 | 1-14 |
| | 405320 | 18-20 | 3/4 | 3/4-16 | 37,5 | 47 | 30 | 22 | 13/16-12 |
| 380 | 405321 | 18-20 | 3/4 | 7/8-14 | 37,5 | 51 | 30 | 27 | 13/16-12 |
| | 405322 | 18-20 | 3/4 | 1 5/8-12 | 38 | 59,5 | 33 | 41 | 13/16-12 |
| 420 | 405323 | 22-25 | 7/8-1 | 1 1/8-12 | 41,5 | 59 | 36 | 32 | 17/16-12 |
| | 405324 | 22-25 | 7/8-1 | 1 5/8-12 | 44,5 | 62 | 41 | 50 | 17/16-12 |
| 280 | 405325 | 28-30-32 | 1 1/4 | 1 5/8-12 | 44,5 | 62 | 41 | 41 | 1 1/16-12 |
| | 405326 | 28-30-32 | 1 1/4 | 1 7/8-12 | 48,5 | 66 | 48 | 55 | 1 1/16-12 |
| 160 | 405327 | 35-38 | 1 1/2 | 1 5/8-12 | 49 | 66 | 48 | 50 | 2-12 |

KORPUS PRZYŁĄCZA KOLANOWEGO 45° NASTAWNEGO Z GWINTEM BSP I USZCZELNIENIEM TYPU O-RING

ADJUSTABLE MALE STUD 45° ELBOW WITH O-RING AND WASHER - THREAD BSP PARALLEL

4054...

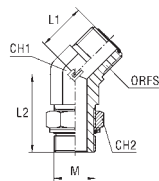


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|-------|------|------|-----|-----|-----------|
| 350 | 405401 | 6 | 1/4 | 1/8 | 16 | 27,5 | 14 | 14 | 9/16-18 |
| 315 | 405402 | 8-10 | 5/16-3/8 | 1/4 | 19 | 32,5 | 19 | 19 | 11/16-16 |
| 250 | 405403 | 12 | 1/2 | 3/8 | 20,5 | 33,5 | 19 | 22 | 13/16-16 |
| | 405404 | 14-15-16 | 5/8 | 1/2 | 23,5 | 43 | 27 | 27 | 1-14 |
| 200 | 405405 | 18-20 | 3/4 | 3/4 | 26 | 46,5 | 30 | 36 | 13/16-12 |
| | 405406 | 22-25 | 7/8-1 | 1 | 30 | 51 | 36 | 41 | 17/16-12 |
| 160 | 405407 | 28-30-32 | 1 1/4 | 1 1/4 | 32 | 52,5 | 41 | 50 | 1 1/16-12 |
| 315 | 405408 | 35-38 | 1 1/2 | 1 1/2 | 37 | 52,5 | 48 | 55 | 2-12 |
| | 405409 | 6 | 1/4 | 1/4 | 16 | 31,5 | 14 | 19 | 9/16-18 |
| 250 | 405410 | 6 | 1/4 | 3/8 | 17,5 | 33,5 | 19 | 22 | 9/16-18 |
| | 405411 | 8-10 | 5/16-3/8 | 3/8 | 19 | 33,5 | 19 | 22 | 11/16-16 |
| 315 | 405412 | 8-10 | 5/16-3/8 | 1/2 | 20 | 43 | 22 | 27 | 11/16-16 |
| 250 | 405413 | 12 | 1/2 | 1/4 | 20,5 | 32,5 | 19 | 19 | 13/16-16 |
| | 405414 | 12 | 1/2 | 1/2 | 21 | 43 | 22 | 27 | 13/16-16 |
| 315 | 405415 | 12 | 1/2 | 3/4 | 21,5 | 46,5 | 27 | 36 | 13/16-16 |
| | 405416 | 14-15-16 | 5/8 | 1/4 | 23,5 | 36 | 27 | 19 | 1-14 |
| 250 | 405417 | 14-15-16 | 5/8 | 3/8 | 23,5 | 37 | 27 | 22 | 1-14 |
| | 405418 | 14-15-16 | 5/8 | 3/4 | 23,5 | 46,5 | 27 | 36 | 1-14 |
| 200 | 405419 | 14-15-16 | 5/8 | 1 | 28,5 | 51 | 33 | 41 | 1-14 |
| 315 | 405420 | 18-20 | 3/4 | 1/4 | 26 | 40,5 | 30 | 19 | 13/16-12 |
| 250 | 405421 | 18-20 | 3/4 | 1/2 | 26 | 44,5 | 30 | 27 | 13/16-12 |
| 200 | 405422 | 18-20 | 3/4 | 1 | 29,5 | 51 | 33 | 41 | 13/16-12 |
| 315 | 405423 | 22-25 | 7/8-1 | 1/4 | 30 | 41 | 36 | 19 | 17/16-12 |
| 250 | 405424 | 22-25 | 7/8-1 | 3/4 | 30 | 47 | 36 | 36 | 17/16-12 |
| 200 | 405425 | 22-25 | 7/8-1 | 1 1/4 | 32 | 52,5 | 41 | 50 | 17/16-12 |
| | 405426 | 28-30-32 | 1 1/4 | 1 | 32 | 52,5 | 41 | 41 | 1 1/16-12 |
| 160 | 405427 | 28-30-32 | 1 1/4 | 1 1/2 | 35,5 | 52,5 | 48 | 55 | 1 1/16-12 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 40.. na 41.. np. 400201 na 410201.
 * Note: If you wish to order a fitting in stainless steel, please change the first two digit from 40. to 41.. ex. 400201 to 410201.

KORPUS PRZYŁĄCZA KOLANOWEGO 45° NASTAWNEGO Z GWINTEM METRYCZNYM I USZCZELNIENIEM TYPU O-RING ADJUSTABLE MALE STUD 45° ELBOW WITH O-RING AND WASHER - THREAD METRIC PARALLEL

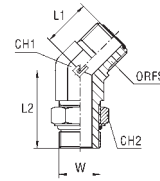
4055...



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | M | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|--------|------|------|-----|-----|----------|
| 315 | 405501 | 6 | 1/4 | 12x1,5 | 16 | 30 | 14 | 17 | 9/16-18 |
| | 405502 | 8-10 | 5/16-3/8 | 14x1,5 | 19 | 31 | 19 | 19 | 11/16-16 |
| | 405503 | 12 | 1/2 | 18x1,5 | 20,5 | 36,5 | 19 | 24 | 13/16-16 |
| 250 | 405504 | 14-15-16 | 5/8 | 22x2 | 23,5 | 44 | 27 | 27 | 1-14 |
| | 405505 | 18-20 | 3/4 | 27x2 | 26 | 50 | 30 | 32 | 13/16-12 |
| | 405506 | 22-25 | 7/8-1 | 33x2 | 30 | 52,5 | 36 | 41 | 17/16-12 |
| 160 | 405507 | 28-30-32 | 1 1/4 | 42x2 | 32 | 54 | 41 | 50 | 11/16-12 |
| | 405508 | 35-38 | 1 1/2 | 48x2 | 37 | 56,5 | 48 | 55 | 2-12 |
| 315 | 405509 | 6 | 1/4 | 10x1 | 16 | 27 | 14 | 14 | 9/16-18 |
| | 405510 | 8-10 | 5/16-3/8 | 16x1,5 | 19 | 33 | 19 | 22 | 11/16-16 |
| 250 | 405511 | 12 | 1/2 | 16x1,5 | 20,5 | 33 | 19 | 22 | 13/16-16 |
| | 405512 | 12 | 1/2 | 22x1,5 | 21,5 | 44 | 27 | 27 | 13/16-16 |
| 315 | 405513 | 14-15-16 | 5/8 | 18x1,5 | 23,5 | 42,5 | 27 | 24 | 1-14 |
| | 405514 | 14-15-16 | 5/8 | 27x2 | 23,5 | 50 | 27 | 32 | 1-14 |
| 250 | 405515 | 18-20 | 3/4 | 22x1,5 | 26 | 44 | 30 | 27 | 13/16-12 |
| | 405516 | 18-20 | 3/4 | 33x2 | 29,5 | 52,5 | 33 | 41 | 13/16-12 |
| 250 | 405517 | 22-25 | 7/8-1 | 27x2 | 30 | 52,5 | 36 | 32 | 17/16-12 |
| | 405518 | 22-25 | 7/8-1 | 42x2 | 32 | 54 | 41 | 50 | 17/16-12 |
| 160 | 405519 | 28-30-32 | 1 1/4 | 48x2 | 35,5 | 56,5 | 48 | 55 | 11/16-12 |

KORPUS PRZYŁĄCZA KOLANOWEGO 45° NASTAWNEGO Z GWINTEM UNF/UN-2A I USZCZELNIENIEM TYPU O-RING ADJUSTABLE MALE STUD 45° ELBOW WITH O-RING - THREAD UNF/UN-2A

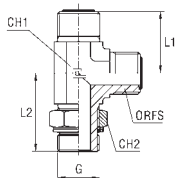
4056...



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | W | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|----------|------|------|-----|-----|----------|
| 420 | 405601 | 6 | 1/4 | 7/16-20 | 16 | 30 | 14 | 14 | 9/16-18 |
| | 405602 | 8-10 | 5/16-3/8 | 9/16-18 | 19 | 33 | 19 | 17 | 11/16-16 |
| | 405603 | 12 | 1/2 | 3/4-16 | 20,5 | 36,5 | 19 | 22 | 13/16-16 |
| | 405604 | 14-15-16 | 5/8 | 7/8-14 | 23,5 | 45 | 27 | 27 | 1-14 |
| | 405605 | 18-20 | 3/4 | 1 1/8-12 | 26 | 50 | 30 | 32 | 13/16-12 |
| 380 | 405606 | 22-25 | 7/8-1 | 15/8-12 | 30 | 52,5 | 36 | 41 | 17/16-12 |
| 280 | 405607 | 28-30-32 | 1 1/4 | 15/8-12 | 32 | 53,5 | 41 | 50 | 11/16-12 |
| | 405608 | 35-38 | 1 1/2 | 17/8-12 | 37 | 53,5 | 48 | 55 | 2-12 |
| 420 | 405609 | 6 | 1/4 | 9/16-18 | 16 | 33 | 14 | 17 | 9/16-18 |
| | 405610 | 6 | 1/4 | 3/4-16 | 17,5 | 36,5 | 19 | 22 | 9/16-18 |
| | 405611 | 8-10 | 5/16-3/8 | 7/16-20 | 19 | 31 | 19 | 14 | 11/16-16 |
| | 405612 | 8-10 | 5/16-3/8 | 3/4-16 | 19 | 36,5 | 19 | 22 | 11/16-16 |
| | 405613 | 8-10 | 5/16-3/8 | 7/8-14 | 20 | 45 | 22 | 27 | 11/16-16 |
| | 405614 | 8-10 | 5/16-3/8 | 1 1/8-12 | 19,5 | 50 | 27 | 32 | 11/16-16 |
| | 405615 | 12 | 1/2 | 9/16-18 | 20,5 | 32,5 | 19 | 17 | 13/16-16 |
| | 405616 | 12 | 1/2 | 7/8-14 | 21 | 45 | 22 | 27 | 13/16-16 |
| | 405617 | 12 | 1/2 | 1 1/8-12 | 21,5 | 50 | 27 | 32 | 13/16-16 |
| | 405618 | 14-15-16 | 5/8 | 3/4-16 | 23,5 | 40,5 | 27 | 22 | 1-14 |
| | 405619 | 14-15-16 | 5/8 | 1 1/8-12 | 23,5 | 50 | 27 | 32 | 1-14 |
| | 405620 | 18-20 | 3/4 | 3/4-16 | 26 | 40,5 | 30 | 22 | 13/16-12 |
| 380 | 405621 | 18-20 | 3/4 | 7/8-14 | 26 | 46 | 30 | 27 | 13/16-12 |
| 420 | 405622 | 18-20 | 3/4 | 15/8-12 | 29,5 | 52,5 | 33 | 41 | 13/16-12 |
| | 405623 | 22-25 | 7/8-1 | 1 1/8-12 | 30 | 51,5 | 36 | 32 | 17/16-12 |
| 280 | 405624 | 22-25 | 7/8-1 | 15/8-12 | 32 | 53,5 | 41 | 50 | 17/16-12 |
| | 405625 | 28-30-32 | 1 1/4 | 15/8-12 | 32 | 53,5 | 41 | 41 | 11/16-12 |
| | 405626 | 28-30-32 | 1 1/4 | 17/8-12 | 35,5 | 53,5 | 48 | 55 | 11/16-12 |
| | 405627 | 35-38 | 1 1/2 | 15/8-12 | 37 | 53,5 | 48 | 50 | 2-12 |

KORPUS PRZYŁĄCZA TRÓJNIKOWEGO NIESYMETRYCZNEGO NASTAWNEGO Z GWINTEM BSP I USZCZELNIENIEM TYPU O-RING ADJUSTABLE MALE STUD BARREL TEE WITH O-RING AND WASHER - THREAD BSP PARALLEL

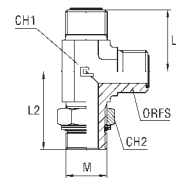
4057...



| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|-------|------|------|-----|-----|----------|
| 350 | 405701 | 6 | 1/4 | 1/8 | 21,5 | 30 | 14 | 14 | 9/16-18 |
| 315 | 405702 | 8-10 | 5/16-3/8 | 1/4 | 25 | 37 | 19 | 19 | 11/16-16 |
| | 405703 | 12 | 1/2 | 3/8 | 28 | 38 | 19 | 22 | 13/16-16 |
| 250 | 405704 | 14-15-16 | 5/8 | 1/2 | 33,5 | 48 | 27 | 27 | 1-14 |
| | 405705 | 18-20 | 3/4 | 3/4 | 37,5 | 51,5 | 30 | 36 | 13/16-12 |
| | 405706 | 22-25 | 7/8-1 | 1 | 41,5 | 58,5 | 36 | 41 | 17/16-12 |
| 200 | 405707 | 28-30-32 | 1 1/4 | 1 1/4 | 44,5 | 60,5 | 41 | 50 | 11/16-12 |
| 160 | 405708 | 35-38 | 1 1/2 | 1 1/2 | 49 | 64 | 48 | 55 | 2-12 |
| 315 | 405709 | 6 | 1/4 | 1/4 | 21,5 | 35 | 14 | 14 | 9/16-18 |
| | 405710 | 6 | 1/4 | 3/8 | 23,5 | 38 | 19 | 22 | 9/16-18 |
| 250 | 405711 | 8-10 | 5/16-3/8 | 3/8 | 25 | 38 | 19 | 22 | 11/16-16 |
| | 405712 | 8-10 | 5/16-3/8 | 1/2 | 28 | 48 | 22 | 27 | 11/16-16 |
| 315 | 405713 | 12 | 1/2 | 1/4 | 28 | 37 | 19 | 19 | 13/16-16 |
| | 405714 | 12 | 1/2 | 1/2 | 30 | 48 | 22 | 27 | 13/16-16 |
| 250 | 405715 | 12 | 1/2 | 3/4 | 31,5 | 51,5 | 27 | 36 | 13/16-16 |
| | 405716 | 14-15-16 | 5/8 | 1/4 | 33,5 | 42,5 | 27 | 19 | 1-14 |
| 250 | 405717 | 14-15-16 | 5/8 | 3/8 | 33,5 | 42,5 | 27 | 22 | 1-14 |
| | 405718 | 14-15-16 | 5/8 | 3/4 | 33,5 | 51,5 | 27 | 36 | 1-14 |
| 200 | 405719 | 14-15-16 | 5/8 | 1 | 37 | 58,5 | 33 | 41 | 1-14 |
| | 405720 | 18-20 | 3/4 | 1/4 | 37,5 | 43,5 | 30 | 19 | 13/16-12 |
| 250 | 405721 | 18-20 | 3/4 | 1/2 | 37,5 | 49 | 30 | 27 | 13/16-12 |
| | 405722 | 18-20 | 3/4 | 1 | 38 | 58,5 | 33 | 41 | 13/16-12 |
| 315 | 405723 | 22-25 | 7/8-1 | 1/4 | 41,5 | 52 | 36 | 19 | 17/16-12 |
| | 405724 | 22-25 | 7/8-1 | 3/4 | 41,5 | 57,5 | 36 | 36 | 17/16-12 |
| 250 | 405725 | 22-25 | 7/8-1 | 1 1/4 | 44,5 | 60,5 | 41 | 50 | 17/16-12 |
| | 405726 | 28-30-32 | 1 1/4 | 1 | 44,5 | 60,5 | 41 | 41 | 11/16-12 |
| 160 | 405727 | 28-30-32 | 1 1/4 | 1 1/2 | 48,5 | 64 | 48 | 55 | 11/16-12 |

KORPUS PRZYŁĄCZA TRÓJNIKOWEGO NIESYMETRYCZNEGO NASTAWNEGO Z GWINTEM METRYCZNYM I USZCZELNIENIEM TYPU O-RING ADJUSTABLE MALE STUD BARREL TEE WITH O-RING AND WASHER - THREAD METRIC PARALLEL

4058...



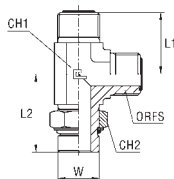
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | M | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|--------|------|------|-----|-----|----------|
| 315 | 405801 | 6 | 1/4 | 12x1,5 | 21,5 | 33 | 14 | 17 | 9/16-18 |
| | 405802 | 8-10 | 5/16-3/8 | 14x1,5 | 25 | 35,5 | 19 | 19 | 11/16-16 |
| | 405803 | 12 | 1/2 | 18x1,5 | 28 | 41 | 19 | 24 | 13/16-16 |
| 250 | 405804 | 14-15-16 | 5/8 | 22x1,5 | 33,5 | 49 | 27 | 27 | 1-14 |
| | 405805 | 18-20 | 3/4 | 27x2 | 37,5 | 55,5 | 30 | 32 | 13/16-12 |
| 160 | 405806 | 22-25 | 7/8-1 | 33x2 | 41,5 | 59,5 | 36 | 41 | 17/16-12 |
| | 405807 | 28-30-32 | 1 1/4 | 42x2 | 44,5 | 63 | 41 | 50 | 11/16-12 |
| | 405808 | 35-38 | 1 1/2 | 48x2 | 49 | 68,5 | 48 | 55 | 2-12 |
| 315 | 405809 | 6 | 1/4 | 10x1 | 21,5 | 30 | 14 | 14 | 9/16-18 |
| | 405810 | 8-10 | 5/16-3/8 | 16x1,5 | 25 | 37,5 | 19 | 22 | 11/16-16 |
| 250 | 405811 | 12 | 1/2 | 16x1,5 | 28 | 37,5 | 19 | 22 | 13/16-16 |
| | 405812 | 12 | 1/2 | 22x1,5 | 31,5 | 49 | 27 | 27 | 13/16-16 |
| 315 | 405813 | 14-15-16 | 5/8 | 18x1,5 | 33,5 | 47,5 | 27 | 24 | 1-14 |
| | 405814 | 14-15-16 | 5/8 | 27x2 | 33,5 | 55,5 | 27 | 32 | 1-14 |
| 250 | 405815 | 18-20 | 3/4 | 22x1,5 | 37,5 | 49,5 | 30 | 27 | 13/16-12 |
| | 405816 | 18-20 | 3/4 | 33x2 | 38 | 59,5 | 33 | 41 | 13/16-12 |
| 250 | 405817 | 22-25 | 7/8-1 | 27x2 | 41,5 | 59,5 | 36 | 32 | 17/16-12 |
| | 405818 | 22-25 | 7/8-1 | 42x2 | 44,5 | 63 | 41 | 50 | 17/16-12 |
| 160 | 405819 | 28-30-32 | 1 1/4 | 48x2 | 48,5 | 68,5 | 48 | 55 | 11/16-12 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 40.. na 41.. np. 400201 na 410201.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 40.. to 41.. ex. 400201 to 410201.

KORPUS PRZYŁĄCZA TRÓJNIKOWEGO NIESYMETRYCZNEGO NASTAWNEGO Z GWINTEM UNF/UN-2A I USZCZELNIENIEM TYPU O-RING

ADJUSTABLE MALE STUD BARREL TEE WITH O-RING - THREAD UNF/UN-2A

4059...

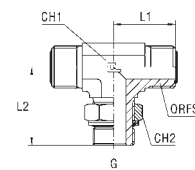


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | W | L1 | L2 | CH1 | CH2 | ORFS | |
|-----------------|---|---------------------|---------------------|----------|----------|------|------|-----|------------|----------|
| 420 | 405901 | 6 | 1/4 | 7/16-20 | 21,5 | 32,5 | 14 | 14 | 9/16-18 | |
| | 405902 | 8-10 | 5/16-3/8 | 9/16-18 | 25 | 37 | 19 | 17 | 11/16-16 | |
| | 405903 | 12 | 1/2 | 3/4-16 | 28 | 40,5 | 19 | 22 | 13/16-16 | |
| | 405904 | 14-15-16 | 5/8 | 7/8-14 | 33,5 | 50 | 27 | 27 | 1-14 | |
| 380 | 405905 | 18-20 | 3/4 | 1 1/8-12 | 37,5 | 55 | 30 | 32 | 1 3/16-12 | |
| | 405906 | 22-25 | 7/8-1 | 1 5/8-12 | 41,5 | 59,5 | 36 | 41 | 1 7/8-12 | |
| 280 | 405907 | 28-30-32 | 1 1/4 | 1 5/8-12 | 44,5 | 62 | 41 | 50 | 1 11/16-12 | |
| | 405908 | 35-38 | 1 1/2 | 1 7/8-12 | 49 | 66 | 48 | 55 | 2-12 | |
| 420 | 405909 | 6 | 1/4 | 9/16-18 | 21,5 | 34,5 | 14 | 17 | 9/16-18 | |
| | 405910 | 6 | 1/4 | 3/4-16 | 23,5 | 40,5 | 19 | 22 | 9/16-18 | |
| | 405911 | 8-10 | 5/16-3/8 | 7/16-20 | 25 | 35 | 19 | 14 | 11/16-16 | |
| | 405912 | 8-10 | 5/16-3/8 | 3/4-16 | 25 | 40,5 | 19 | 22 | 11/16-16 | |
| | 405913 | 8-10 | 5/16-3/8 | 7/8-14 | 28 | 50 | 22 | 27 | 11/16-16 | |
| | 405914 | 8-10 | 5/16-3/8 | 1 1/8-12 | 29,5 | 55 | 27 | 32 | 11/16-16 | |
| | 405915 | 12 | 1/2 | 9/16-18 | 28 | 37 | 19 | 17 | 13/16-16 | |
| | 405916 | 12 | 1/2 | 7/8-14 | 30 | 50 | 22 | 27 | 13/16-16 | |
| | 405917 | 12 | 1/2 | 1 1/8-12 | 31,5 | 55 | 27 | 32 | 13/16-16 | |
| | 405918 | 14-15-16 | 5/8 | 3/4-16 | 33,5 | 46 | 27 | 22 | 1-14 | |
| | 405919 | 14-15-16 | 5/8 | 1 1/8-12 | 33,5 | 55 | 27 | 32 | 1-14 | |
| | 405920 | 18-20 | 3/4 | 3/4-16 | 37,5 | 47 | 30 | 22 | 1 3/16-12 | |
| | 405921 | 18-20 | 3/4 | 7/8-14 | 37,5 | 51 | 30 | 27 | 1 3/16-12 | |
| | 380 | 405922 | 18-20 | 3/4 | 1 5/8-12 | 38 | 59,5 | 33 | 41 | 1 3/8-12 |
| | 420 | 405923 | 22-25 | 7/8-1 | 1 1/8-12 | 41,5 | 59 | 36 | 32 | 1 7/8-12 |
| | 280 | 405924 | 22-25 | 7/8-1 | 1 5/8-12 | 44,5 | 62 | 41 | 50 | 1 7/8-12 |
| 405925 | | 28-30-32 | 1 1/4 | 1 5/8-12 | 44,5 | 62 | 41 | 41 | 1 11/16-12 | |
| 405926 | | 28-30-32 | 1 1/4 | 1 7/8-12 | 48,5 | 66 | 48 | 55 | 1 11/16-12 | |
| 405927 | | 35-38 | 1 1/2 | 1 5/8-12 | 49 | 66 | 48 | 50 | 2-12 | |

KORPUS PRZYŁĄCZA TRÓJNIKOWEGO SYMETRYCZNEGO NASTAWNEGO Z GWINTEM BSP I USZCZELNIENIEM TYPU O-RING

ADJUSTABLE MALE STUD BRANCH TEE WITH O-RING AND WASHER - THREAD BSP PARALLEL

4060...

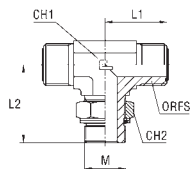


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|-------|------|------|-----|-----|------------|
| 350 | 406001 | 6 | 1/4 | 1/8 | 21,5 | 30 | 14 | 14 | 9/16-18 |
| 315 | 406002 | 8-10 | 5/16-3/8 | 1/4 | 25 | 37 | 19 | 19 | 11/16-16 |
| | 406003 | 12 | 1/2 | 3/8 | 28 | 38 | 19 | 22 | 13/16-16 |
| 250 | 406004 | 14-15-16 | 5/8 | 1/2 | 33,5 | 48 | 27 | 27 | 1-14 |
| | 406005 | 18-20 | 3/4 | 3/4 | 37,5 | 51,5 | 30 | 36 | 1 3/16-12 |
| 200 | 406006 | 22-25 | 7/8-1 | 1 | 41,5 | 58,5 | 36 | 41 | 1 7/8-12 |
| | 406007 | 28-30-32 | 1 1/4 | 1 1/4 | 44,5 | 60,5 | 41 | 50 | 1 11/16-12 |
| 160 | 406008 | 35-38 | 1 1/2 | 1 1/2 | 49 | 64 | 48 | 55 | 2-12 |
| 315 | 406009 | 6 | 1/4 | 1/4 | 21,5 | 35 | 14 | 19 | 9/16-18 |
| | 406010 | 6 | 1/4 | 3/8 | 23,5 | 38 | 19 | 22 | 9/16-18 |
| 250 | 406011 | 8-10 | 5/16-3/8 | 3/8 | 25 | 38 | 19 | 22 | 11/16-16 |
| | 406012 | 8-10 | 5/16-3/8 | 1/2 | 28 | 48 | 22 | 27 | 11/16-16 |
| 315 | 406013 | 12 | 1/2 | 1/4 | 28 | 37 | 19 | 19 | 13/16-16 |
| 250 | 406014 | 12 | 1/2 | 1/2 | 30 | 48 | 22 | 27 | 13/16-16 |
| | 406015 | 12 | 1/2 | 3/4 | 31,5 | 51,5 | 27 | 36 | 13/16-16 |
| 315 | 406016 | 14-15-16 | 5/8 | 1/4 | 33,5 | 42,5 | 27 | 19 | 1-14 |
| 250 | 406017 | 14-15-16 | 5/8 | 3/8 | 33,5 | 42,5 | 27 | 22 | 1-14 |
| | 406018 | 14-15-16 | 5/8 | 3/4 | 33,5 | 51,5 | 27 | 36 | 1-14 |
| 200 | 406019 | 14-15-16 | 5/8 | 1 | 37 | 58,5 | 33 | 41 | 1-14 |
| 315 | 406020 | 18-20 | 3/4 | 1/4 | 37,5 | 43 | 30 | 19 | 1 3/16-12 |
| 250 | 406021 | 18-20 | 3/4 | 1/2 | 37,5 | 49 | 30 | 27 | 1 3/16-12 |
| 200 | 406022 | 18-20 | 3/4 | 1 | 39 | 58,5 | 33 | 41 | 1 3/8-12 |
| 315 | 406023 | 22-25 | 7/8-1 | 1/4 | 41,5 | 52 | 36 | 19 | 1 7/8-12 |
| 250 | 406024 | 22-25 | 7/8-1 | 3/4 | 41,5 | 57,5 | 36 | 36 | 1 7/8-12 |
| 200 | 406025 | 22-25 | 7/8-1 | 1 1/4 | 44,5 | 60,5 | 41 | 50 | 1 7/8-12 |
| | 406026 | 28-30-32 | 1 1/4 | 1 | 44,5 | 60,5 | 41 | 41 | 1 11/16-12 |
| 160 | 406027 | 28-30-32 | 1 1/4 | 1 1/2 | 48,5 | 64 | 48 | 55 | 1 11/16-12 |

KORPUS PRZYŁĄCZA TRÓJNIKOWEGO SYMETRYCZNEGO NASTAWNEGO Z GWINTEM METRYCZNYM I USZCZELNIENIEM TYPU O-RING

ADJUSTABLE MALE STUD BRANCH TEE WITH O-RING AND WASHER - THREAD METRIC PARALLEL

4061...

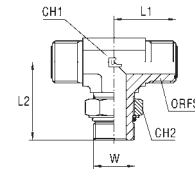


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | M | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|--------|------|------|-----|-----|------------|
| 315 | 406101 | 6 | 1/4 | 12x1,5 | 21,5 | 33 | 14 | 17 | 9/16-18 |
| | 406102 | 8-10 | 5/16-3/8 | 14x1,5 | 25 | 35,5 | 19 | 19 | 11/16-16 |
| | 406103 | 12 | 1/2 | 18x1,5 | 28 | 41 | 19 | 24 | 13/16-16 |
| 250 | 406104 | 14-15-16 | 5/8 | 22x1,5 | 33,5 | 49 | 27 | 27 | 1-14 |
| | 406105 | 18-20 | 3/4 | 27x2 | 37,5 | 55,5 | 30 | 32 | 1 3/16-12 |
| 160 | 406106 | 22-25 | 7/8-1 | 33x2 | 41,5 | 59,5 | 36 | 41 | 1 7/8-12 |
| | 406107 | 28-30-32 | 1 1/4 | 42x2 | 44,5 | 63 | 41 | 50 | 1 11/16-12 |
| 315 | 406108 | 35-38 | 1 1/2 | 48x2 | 49 | 68,5 | 48 | 55 | 2-12 |
| | 406109 | 6 | 1/4 | 10x1 | 21,5 | 30 | 14 | 14 | 9/16-18 |
| 250 | 406110 | 8-10 | 5/16-3/8 | 16x1,5 | 25 | 37,5 | 19 | 22 | 11/16-16 |
| | 406111 | 12 | 1/2 | 16x1,5 | 28 | 37,5 | 19 | 22 | 13/16-16 |
| 315 | 406112 | 12 | 1/2 | 22x1,5 | 31,5 | 49 | 27 | 27 | 13/16-16 |
| 250 | 406113 | 14-15-16 | 5/8 | 18x1,5 | 33,5 | 47,5 | 27 | 24 | 1-14 |
| | 406114 | 14-15-16 | 5/8 | 27x2 | 33,5 | 55,5 | 27 | 32 | 1-14 |
| 160 | 406115 | 18-20 | 3/4 | 22x1,5 | 37,5 | 49,5 | 30 | 27 | 1 3/16-12 |
| 250 | 406116 | 18-20 | 3/4 | 33x2 | 38 | 59,5 | 33 | 41 | 1 3/8-12 |
| 160 | 406117 | 22-25 | 7/8-1 | 27x2 | 41,5 | 59,5 | 36 | 32 | 1 7/8-12 |
| 160 | 406118 | 22-25 | 7/8-1 | 42x2 | 44,5 | 63 | 41 | 50 | 1 7/8-12 |
| | 406119 | 28-30-32 | 1 1/4 | 48x2 | 48,5 | 68,5 | 48 | 55 | 1 11/16-12 |

KORPUS PRZYŁĄCZA TRÓJNIKOWEGO SYMETRYCZNEGO NASTAWNEGO Z GWINTEM UNF/UN-2A I USZCZELNIENIEM TYPU O-RING

ADJUSTABLE MALE STUD BARREL TEE WITH O-RING - THREAD UNF/UN-2A

4062...



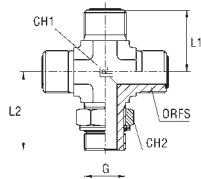
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | W | L1 | L2 | CH1 | CH2 | ORFS | |
|-----------------|---|---------------------|---------------------|----------|----------|------|------|-----|------------|----------|
| 420 | 406201 | 6 | 1/4 | 7/16-20 | 21,5 | 32,5 | 14 | 14 | 9/16-18 | |
| | 406202 | 8-10 | 5/16-3/8 | 9/16-18 | 25 | 37 | 19 | 17 | 11/16-16 | |
| | 406203 | 12 | 1/2 | 3/4-16 | 28 | 40,5 | 19 | 22 | 13/16-16 | |
| | 406204 | 14-15-16 | 5/8 | 7/8-14 | 33,5 | 50 | 27 | 27 | 1-14 | |
| 380 | 406205 | 18-20 | 3/4 | 1 1/8-12 | 37,5 | 55 | 30 | 32 | 1 3/16-12 | |
| | 406206 | 22-25 | 7/8-1 | 1 5/8-12 | 41,5 | 59,5 | 36 | 41 | 1 7/8-12 | |
| 280 | 406207 | 28-30-32 | 1 1/4 | 1 5/8-12 | 44,5 | 62 | 41 | 50 | 1 11/16-12 | |
| | 406208 | 35-38 | 1 1/2 | 1 7/8-12 | 49 | 66 | 48 | 55 | 2-12 | |
| 420 | 406209 | 6 | 1/4 | 9/16-18 | 21,5 | 34,5 | 14 | 17 | 9/16-18 | |
| | 406210 | 6 | 1/4 | 3/4-16 | 23,5 | 40,5 | 19 | 22 | 9/16-18 | |
| | 406211 | 8-10 | 5/16-3/8 | 7/16-20 | 25 | 35 | 19 | 14 | 11/16-16 | |
| | 406212 | 8-10 | 5/16-3/8 | 3/4-16 | 25 | 40,5 | 19 | 22 | 11/16-16 | |
| | 406213 | 8-10 | 5/16-3/8 | 7/8-14 | 28 | 50 | 22 | 27 | 11/16-16 | |
| | 406214 | 8-10 | 5/16-3/8 | 1 1/8-12 | 29,5 | 55 | 27 | 32 | 11/16-16 | |
| | 406215 | 12 | 1/2 | 9/16-18 | 28 | 37 | 19 | 17 | 13/16-16 | |
| | 406216 | 12 | 1/2 | 7/8-14 | 30 | 50 | 22 | 27 | 13/16-16 | |
| | 406217 | 12 | 1/2 | 1 1/8-12 | 31,5 | 55 | 27 | 32 | 13/16-16 | |
| | 406218 | 14-15-16 | 5/8 | 3/4-16 | 33,5 | 46 | 27 | 22 | 1-14 | |
| | 406219 | 14-15-16 | 5/8 | 1 1/8-12 | 33,5 | 55 | 27 | 32 | 1-14 | |
| | 406220 | 18-20 | 3/4 | 3/4-16 | 37,5 | 47 | 30 | 22 | 1 3/16-12 | |
| | 406221 | 18-20 | 3/4 | 7/8-14 | 37,5 | 51 | 30 | 27 | 1 3/16-12 | |
| | 380 | 406222 | 18-20 | 3/4 | 1 5/8-12 | 38 | 59,5 | 33 | 41 | 1 3/8-12 |
| | 420 | 406223 | 22-25 | 7/8-1 | 1 1/8-12 | 41,5 | 59 | 36 | 32 | 1 7/8-12 |
| | 280 | 406224 | 22-25 | 7/8-1 | 1 5/8-12 | 44,5 | 62 | 41 | 50 | 1 7/8-12 |
| 406225 | | 28-30-32 | 1 1/4 | 1 5/8-12 | 44,5 | 62 | 41 | 41 | 1 11/16-12 | |
| 406226 | | 28-30-32 | 1 1/4 | 1 7/8-12 | 48,5 | 66 | 48 | 55 | 1 11/16-12 | |
| 406227 | | 35-38 | 1 1/2 | 1 5/8-12 | 49 | 66 | 48 | 50 | 2-12 | |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 40.. na 41.. np. 400201 na 410201.
 * Note: If you wish to order a fitting in stainless steel, please change the first two digit from 40.. to 41.. ex. 400201 to 410201.

KORPUS PRZYŁĄCZA CZWÓRNIKOWEGO NASTAWNEGO Z GWINTEM BSP I USZCZELNIENIEM TYPU O-RING

ADJUSTABLE MALE STUD CROSS WITH O-RING AND WASHER - THREAD BSP PARALLEL

4063...

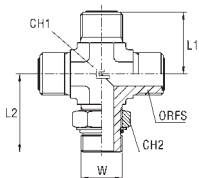


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body*) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|-------|------|------|-----|-----|-----------|
| 350 | 406301 | 6 | 1/4 | 1/8 | 21,5 | 30 | 14 | 14 | 9/16-18 |
| 315 | 406302 | 8-10 | 5/16-3/8 | 1/4 | 25 | 37 | 19 | 19 | 11/16-16 |
| | 406303 | 12 | 1/2 | 3/8 | 28 | 38 | 19 | 22 | 13/16-16 |
| 250 | 406304 | 14-15-16 | 5/8 | 1/2 | 33,5 | 48 | 27 | 27 | 1-14 |
| | 406305 | 18-20 | 3/4 | 3/4 | 37,5 | 51,5 | 30 | 36 | 13/16-12 |
| | 406306 | 22-25 | 7/8-1 | 1 | 41,5 | 58,5 | 36 | 41 | 17/16-12 |
| 200 | 406307 | 28-30-32 | 1 1/4 | 1 1/4 | 44,5 | 60,5 | 41 | 50 | 1 1/16-12 |
| 160 | 406308 | 35-38 | 1 1/2 | 1 1/2 | 49 | 64 | 48 | 55 | 2-12 |

KORPUS PRZYŁĄCZA CZWÓRNIKOWEGO NASTAWNEGO Z GWINTEM UNF/UN-2A I USZCZELNIENIEM TYPU O-RING

ADJUSTABLE MALE STUD CROSS WITH O-RING - THREAD UNF/UN-2A

4065...

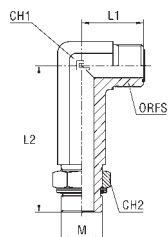


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body*) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | W | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|-----------|------|------|-----|-----|-----------|
| 420 | 406501 | 6 | 1/4 | 7/16-20 | 21,5 | 32,5 | 14 | 14 | 9/16-18 |
| | 406502 | 8-10 | 5/16-3/8 | 9/16-18 | 25 | 37 | 19 | 17 | 11/16-16 |
| | 406503 | 12 | 1/2 | 3/4-16 | 28 | 40,5 | 19 | 22 | 13/16-16 |
| | 406504 | 14-15-16 | 5/8 | 7/8-14 | 33,5 | 50 | 27 | 27 | 1-14 |
| | 406505 | 18-20 | 3/4 | 1 1/16-12 | 37,5 | 55 | 30 | 32 | 13/16-12 |
| 380 | 406506 | 22-25 | 7/8-1 | 1 5/16-12 | 41,5 | 59,5 | 36 | 41 | 17/16-12 |
| 280 | 406507 | 28-30-32 | 1 1/4 | 1 5/8-12 | 44,5 | 62 | 41 | 50 | 1 1/16-12 |
| | 406508 | 35-38 | 1 1/2 | 1 7/8-12 | 49 | 66 | 48 | 55 | 2-12 |

KORPUS PRZYŁĄCZA KOLANOWEGO NASTAWNEGO WYDŁUŻONEGO Z GWINTEM METRYCZNYMI USZCZELNIENIEM TYPU O-RING

LONG ADJUSTABLE MALE STUD ELBOW WITH O-RING AND WASHER - THREAD METRIC PARALLEL

4067...



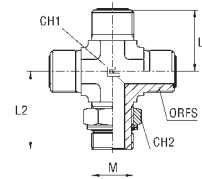
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body*) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | M | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|--------|------|------|-----|-----|-----------|
| 315 | 406701 | 6 | 1/4 | 12x1,5 | 21,5 | 56,5 | 14 | 17 | 9/16-18 |
| | 406702 | 8-10 | 5/16-3/8 | 14x1,5 | 25 | 66 | 19 | 19 | 11/16-16 |
| | 406703 | 12 | 1/2 | 18x1,5 | 28 | 75 | 19 | 24 | 13/16-16 |
| 250 | 406704 | 14-15-16 | 5/8 | 22x1,5 | 33,5 | 88 | 27 | 27 | 1-14 |
| | 406705 | 18-20 | 3/4 | 27x2 | 37,5 | 100 | 30 | 32 | 13/16-12 |
| | 406706 | 22-25 | 7/8-1 | 33x2 | 41,5 | 114 | 36 | 41 | 17/16-12 |
| 160 | 406707 | 28-30-32 | 1 1/4 | 42x2 | 44,5 | 126 | 41 | 50 | 1 1/16-12 |
| | 406708 | 35-38 | 1 1/2 | 48x2 | 49 | 141 | 48 | 55 | 2-12 |
| | 406709 | 6 | 1/4 | 10x1 | 21,5 | 53,5 | 14 | 14 | 9/16-18 |
| 315 | 406710 | 8-10 | 5/16-3/8 | 16x1,5 | 25 | 67 | 19 | 22 | 11/16-16 |
| | 406711 | 12 | 1/2 | 16x1,5 | 28 | 67 | 19 | 22 | 13/16-16 |
| 250 | 406712 | 12 | 1/2 | 22x1,5 | 31,5 | 88 | 27 | 27 | 13/16-16 |
| 315 | 406713 | 14-15-16 | 5/8 | 18x1,5 | 33,5 | 86,5 | 27 | 24 | 1-14 |
| | 406714 | 14-15-16 | 5/8 | 27x2 | 33,5 | 100 | 27 | 32 | 1-14 |
| 250 | 406715 | 18-20 | 3/4 | 22x1,5 | 37,5 | 88 | 30 | 27 | 13/16-12 |
| 160 | 406716 | 18-20 | 3/4 | 33x2 | 38 | 114 | 33 | 41 | 13/16-12 |
| 250 | 406717 | 22-25 | 7/8-1 | 27x2 | 41,5 | 114 | 36 | 32 | 17/16-12 |
| | 406718 | 22-25 | 7/8-1 | 42x2 | 44,5 | 126 | 41 | 50 | 17/16-12 |
| 160 | 406719 | 28-30-32 | 1 1/4 | 48x2 | 48,5 | 141 | 48 | 55 | 1 1/16-12 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 40.. na 41.. np. 400201 na 410201.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 40.. to 41.. ex. 400201 to 410201.

KORPUS PRZYŁĄCZA CZWÓRNIKOWEGO NASTAWNEGO Z GWINTEM METRYCZNYM I USZCZELNIENIEM TYPU O-RING

ADJUSTABLE MALE STUD CROSS WITH O-RING AND WASHER - THREAD METRIC PARALLEL

4064...

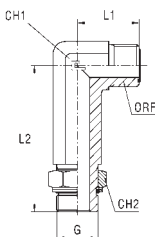


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body*) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | M | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|--------|------|------|-----|-----|-----------|
| 315 | 406401 | 6 | 1/4 | 12x1,5 | 21,5 | 33 | 14 | 17 | 9/16-18 |
| | 406402 | 8-10 | 5/16-3/8 | 14x1,5 | 25 | 35,5 | 19 | 19 | 11/16-16 |
| | 406403 | 12 | 1/2 | 18x1,5 | 28 | 41 | 19 | 24 | 13/16-16 |
| 250 | 406404 | 14-15-16 | 5/8 | 22x1,5 | 33,5 | 49 | 27 | 27 | 1-14 |
| | 406405 | 18-20 | 3/4 | 27x2 | 37,5 | 55,5 | 30 | 32 | 13/16-12 |
| | 406406 | 22-25 | 7/8-1 | 33x2 | 41,5 | 59,5 | 36 | 41 | 17/16-12 |
| 160 | 406407 | 28-30-32 | 1 1/4 | 42x2 | 44,5 | 63 | 41 | 50 | 1 1/16-12 |
| | 406408 | 35-38 | 1 1/2 | 48x2 | 49 | 68,5 | 48 | 55 | 2-12 |

KORPUS PRZYŁĄCZA KOLANOWEGO NASTAWNEGO WYDŁUŻONEGO Z GWINTEM BSP I USZCZELNIENIEM TYPU O-RING

LONG ADJUSTABLE MALE STUD ELBOW WITH O-RING AND WASHER - THREAD BSP PARALLEL

4066...

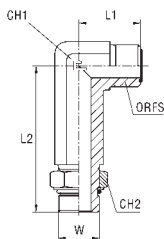


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body*) | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|-------|------|-------|-----|-----|-----------|
| 350 | 406601 | 6 | 1/4 | 1/8 | 21,5 | 54 | 14 | 14 | 9/16-18 |
| 315 | 406602 | 8-10 | 5/16-3/8 | 1/4 | 25 | 66,5 | 19 | 19 | 11/16-16 |
| | 406603 | 12 | 1/2 | 3/8 | 28 | 72,5 | 19 | 22 | 13/16-16 |
| 250 | 406604 | 14-15-16 | 5/8 | 1/2 | 33,5 | 87 | 27 | 27 | 1-14 |
| | 406605 | 18-20 | 3/4 | 3/4 | 37,5 | 97,5 | 30 | 36 | 13/16-12 |
| 200 | 406606 | 22-25 | 7/8-1 | 1 | 41,5 | 113,5 | 36 | 41 | 17/16-12 |
| | 406607 | 28-30-32 | 1 1/4 | 1 1/4 | 44,5 | 125 | 41 | 50 | 1 1/16-12 |
| 160 | 406608 | 35-38 | 1 1/2 | 1 1/2 | 49 | 137 | 48 | 55 | 2-12 |
| 315 | 406609 | 6 | 1/4 | 1/4 | 21,5 | 59 | 14 | 19 | 9/16-18 |
| | 406610 | 6 | 1/4 | 3/8 | 23,5 | 72,5 | 19 | 22 | 9/16-18 |
| 250 | 406611 | 8-10 | 5/16-3/8 | 3/8 | 25 | 72,5 | 19 | 22 | 11/16-16 |
| | 406612 | 8-10 | 5/16-3/8 | 1/2 | 28 | 87 | 22 | 27 | 11/16-16 |
| 315 | 406613 | 12 | 1/2 | 1/4 | 28 | 66,5 | 19 | 19 | 13/16-16 |
| 250 | 406614 | 12 | 1/2 | 1/2 | 30 | 87 | 22 | 27 | 13/16-16 |
| | 406615 | 12 | 1/2 | 3/4 | 31,5 | 97,5 | 27 | 36 | 13/16-16 |
| 315 | 406616 | 14-15-16 | 5/8 | 1/4 | 33,5 | 81,5 | 27 | 19 | 1-14 |
| 250 | 406617 | 14-15-16 | 5/8 | 3/8 | 33,5 | 81,5 | 27 | 22 | 1-14 |
| | 406618 | 14-15-16 | 5/8 | 3/4 | 33,5 | 97,5 | 27 | 36 | 1-14 |
| 200 | 406619 | 14-15-16 | 5/8 | 1 | 37 | 113,5 | 33 | 41 | 1-14 |
| 315 | 406620 | 18-20 | 3/4 | 1/4 | 37,5 | 89,5 | 30 | 19 | 13/16-12 |
| 250 | 406621 | 18-20 | 3/4 | 1/2 | 37,5 | 95 | 30 | 27 | 13/16-12 |
| 200 | 406622 | 18-20 | 3/4 | 1 | 38 | 113,5 | 33 | 41 | 13/16-12 |
| 315 | 406623 | 22-25 | 7/8-1 | 1/4 | 41,5 | 107 | 36 | 19 | 17/16-12 |
| 250 | 406624 | 22-25 | 7/8-1 | 3/4 | 41,5 | 112,5 | 36 | 36 | 17/16-12 |
| | 406625 | 22-25 | 7/8-1 | 1 1/4 | 44,5 | 125 | 41 | 50 | 17/16-12 |
| 200 | 406626 | 28-30-32 | 1 1/4 | 1 | 44,5 | 125 | 41 | 41 | 1 1/16-12 |
| 160 | 406627 | 28-30-32 | 1 1/4 | 1 1/2 | 48,5 | 137 | 48 | 55 | 1 1/16-12 |

KORPUS PRZYŁĄCZA KOLANOWEGO NASTAWNEGO WYDŁUŻONEGO Z GWINTEM UNF/UN-2A I USZCZELNIENIEM TYPU O-RING

LONG ADJUSTABLE MALE STUD ELBOW WITH O-RING - THREAD UNF/UN-2A

4068...

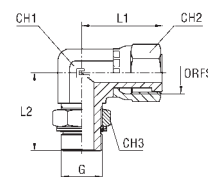


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | W | L1 | L2 | CH1 | CH2 | ORFS | |
|-----------------|---|---------------------|---------------------|-----------|-----------|-------|-------|-----|------------|------------|
| 420 | 406801 | 6 | 1/4 | 7/16-20 | 21,5 | 56,5 | 14 | 14 | 9/16-18 | |
| | 406802 | 8-10 | 5/16-3/8 | 9/16-18 | 25 | 66,5 | 19 | 17 | 11/16-16 | |
| | 406803 | 12 | 1/2 | 3/4-16 | 28 | 75 | 19 | 22 | 13/16-16 | |
| | 406804 | 14-15-16 | 5/8 | 7/8-14 | 33,5 | 89 | 27 | 27 | 1-14 | |
| 380 | 406805 | 18-20 | 3/4 | 1 1/16-12 | 37,5 | 101 | 30 | 32 | 1 3/16-12 | |
| | 406806 | 22-25 | 7/8-1 | 1 5/16-12 | 41,5 | 114,5 | 36 | 41 | 1 7/16-12 | |
| 280 | 406807 | 28-30-32 | 1 1/4 | 1 5/8-12 | 44,5 | 126,5 | 41 | 50 | 1 11/16-12 | |
| | 406808 | 35-38 | 1 1/2 | 1 7/8-12 | 49 | 139 | 48 | 55 | 2-12 | |
| 420 | 406809 | 6 | 1/4 | 9/16-18 | 21,5 | 58,5 | 14 | 17 | 9/16-18 | |
| | 406810 | 6 | 1/4 | 3/4-16 | 23,5 | 75 | 19 | 22 | 9/16-18 | |
| | 406811 | 8-10 | 5/16-3/8 | 7/16-20 | 25 | 64,5 | 19 | 14 | 11/16-16 | |
| | 406812 | 8-10 | 5/16-3/8 | 3/4-16 | 25 | 75 | 19 | 22 | 11/16-16 | |
| | 406813 | 8-10 | 5/16-3/8 | 7/8-14 | 28 | 89 | 22 | 27 | 11/16-16 | |
| | 406814 | 8-10 | 5/16-3/8 | 1 1/16-12 | 29,5 | 101 | 27 | 32 | 11/16-16 | |
| | 406815 | 12 | 1/2 | 9/16-18 | 28 | 66,5 | 19 | 17 | 13/16-16 | |
| | 406816 | 12 | 1/2 | 7/8-14 | 30 | 89 | 22 | 27 | 13/16-16 | |
| | 406817 | 12 | 1/2 | 1 1/16-12 | 31,5 | 101 | 27 | 32 | 13/16-16 | |
| | 406818 | 14-15-16 | 5/8 | 3/4-16 | 33,5 | 85 | 27 | 22 | 1-14 | |
| | 406819 | 14-15-16 | 5/8 | 1 1/16-12 | 33,5 | 101 | 27 | 32 | 1-14 | |
| | 406820 | 18-20 | 3/4 | 3/4-16 | 37,5 | 85 | 30 | 22 | 1 3/16-12 | |
| | 406821 | 18-20 | 3/4 | 7/8-14 | 37,5 | 89 | 30 | 27 | 1 3/16-12 | |
| | 380 | 406822 | 18-20 | 3/4 | 1 5/16-12 | 38 | 114,5 | 33 | 41 | 1 3/16-12 |
| | 420 | 406823 | 22-25 | 7/8-1 | 1 1/16-12 | 41,5 | 114 | 36 | 32 | 1 7/16-12 |
| | | 406824 | 22-25 | 7/8-1 | 1 5/8-12 | 44,5 | 126,5 | 41 | 50 | 1 7/16-12 |
| | 280 | 406825 | 28-30-32 | 1 1/4 | 1 5/16-12 | 44,5 | 126,5 | 41 | 41 | 1 11/16-12 |
| | | 406826 | 28-30-32 | 1 1/4 | 1 7/8-12 | 48,5 | 139 | 48 | 55 | 1 11/16-12 |
| | | 406827 | 35-38 | 1 1/2 | 1 5/8-12 | 49 | 139 | 48 | 50 | 2-12 |

PRZYŁĄCZE KOLANOWE NASTAWNE Z GWINTEM BSP I USZCZELNIENIEM TYPU O-RING

ADJUSTABLE MALE STUD ELBOW WITH CRIMPED NUT, O-RING AND WASHER - THREAD BSP PARALLEL

4069...

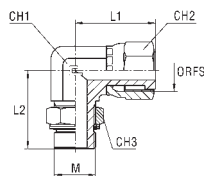


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | G | L1 | L2 | CH1 | CH2 | CH3 | ORFS |
|-----------------|---|---------------------|---------------------|-------|------|------|-----|-----|-----|------------|
| 350 | 406901 | 6 | 1/4 | 1/8 | 26,5 | 30 | 14 | 17 | 14 | 9/16-18 |
| 315 | 406902 | 8-10 | 5/16-3/8 | 1/4 | 29 | 37 | 19 | 22 | 19 | 11/16-16 |
| | 406903 | 12 | 1/2 | 3/8 | 38 | 38 | 19 | 24 | 22 | 13/16-16 |
| 250 | 406904 | 14-15-16 | 5/8 | 1/2 | 41 | 48 | 27 | 30 | 27 | 1-14 |
| | 406905 | 18-20 | 3/4 | 3/4 | 46,5 | 51,5 | 30 | 36 | 36 | 1 3/16-12 |
| 200 | 406906 | 22-25 | 7/8-1 | 1 | 53,5 | 58,5 | 36 | 41 | 41 | 1 7/16-12 |
| | 406907 | 28-30-32 | 1 1/4 | 1 1/4 | 58 | 60,5 | 41 | 50 | 50 | 1 11/16-12 |
| 160 | 406908 | 35-38 | 1 1/2 | 1 1/2 | 61 | 64 | 48 | 60 | 55 | 2-12 |

PRZYŁĄCZE KOLANOWE NASTAWNE Z GWINTEM METRYCZNYM I USZCZELNIENIEM TYPU O-RING

ADJUSTABLE MALE STUD ELBOW WITH CRIMPED NUT, O-RING AND WASHER - THREAD METRIC PARALLEL

4070...

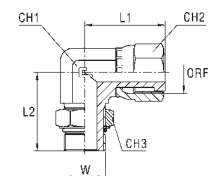


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | M | L1 | L2 | CH1 | CH2 | CH3 | ORFS |
|-----------------|---|---------------------|---------------------|--------|------|------|-----|-----|-----|------------|
| 315 | 407001 | 6 | 1/4 | 12x1,5 | 26,5 | 33 | 14 | 17 | 17 | 9/16-18 |
| | 407002 | 8-10 | 5/16-3/8 | 14x1,5 | 29 | 35,5 | 19 | 22 | 19 | 11/16-16 |
| | 407003 | 12 | 1/2 | 18x1,5 | 38 | 41 | 19 | 24 | 24 | 13/16-16 |
| 250 | 407004 | 14-15-16 | 5/8 | 22x1,5 | 41 | 49 | 27 | 30 | 27 | 1-14 |
| | 407005 | 18-20 | 3/4 | 27x2 | 46,5 | 55,5 | 30 | 36 | 32 | 1 3/16-12 |
| 160 | 407006 | 22-25 | 7/8-1 | 33x2 | 53,5 | 59,5 | 36 | 41 | 41 | 1 7/16-12 |
| | 407007 | 28-30-32 | 1 1/4 | 42x2 | 58 | 63 | 41 | 50 | 50 | 1 11/16-12 |
| | 407008 | 35-38 | 1 1/2 | 48x2 | 61 | 68,5 | 48 | 60 | 55 | 2-12 |

PRZYŁĄCZE KOLANOWE NASTAWNE Z GWINTEM UNF/UN-2A I USZCZELNIENIEM TYPU O-RING

ADJUSTABLE MALE STUD ELBOW WITH CRIMPED NUT AND O-RING - THREAD UNF/UN-2A

4071...

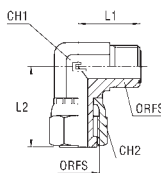


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | W | L1 | L2 | CH1 | CH2 | CH3 | ORFS |
|-----------------|---|---------------------|---------------------|-----------|------|------|-----|-----|-----|------------|
| 420 | 407101 | 6 | 1/4 | 7/16-20 | 26,5 | 32,5 | 14 | 17 | 14 | 9/16-18 |
| | 407102 | 8-10 | 5/16-3/8 | 9/16-18 | 29 | 37 | 19 | 22 | 17 | 11/16-16 |
| | 407103 | 12 | 1/2 | 3/4-16 | 38 | 40,5 | 19 | 24 | 22 | 13/16-16 |
| | 407104 | 14-15-16 | 5/8 | 7/8-14 | 41 | 50 | 27 | 30 | 27 | 1-14 |
| 380 | 407105 | 18-20 | 3/4 | 1 1/16-12 | 46,5 | 55 | 30 | 36 | 32 | 1 3/16-12 |
| | 407106 | 22-25 | 7/8-1 | 1 5/16-12 | 53,5 | 59,5 | 36 | 41 | 41 | 1 7/16-12 |
| 280 | 407107 | 28-30-32 | 1 1/4 | 1 5/8-12 | 58 | 62 | 41 | 50 | 50 | 1 11/16-12 |
| | 407108 | 35-38 | 1 1/2 | 1 7/8-12 | 61 | 66 | 48 | 60 | 55 | 2-12 |

KORPUS ZŁĄCZA KOLANOWEGO NAKRĘTNEGO

CRIMPED NUT ELBOW

4072...

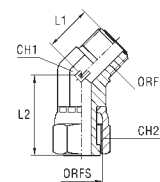


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|------|------|-----|-----|------------|
| 630 | 407201 | 6 | 1/4 | 21,5 | 26,5 | 14 | 17 | 9/16-18 |
| | 407202 | 8-10 | 5/16-3/8 | 25 | 29 | 19 | 22 | 11/16-16 |
| | 407203 | 12 | 1/2 | 28 | 38 | 19 | 24 | 13/16-16 |
| 420 | 407204 | 14-15-16 | 5/8 | 33,5 | 41 | 27 | 30 | 1-14 |
| | 407205 | 18-20 | 3/4 | 37,5 | 46,5 | 30 | 36 | 1 3/16-12 |
| | 407206 | 22-25 | 7/8-1 | 41,5 | 53,5 | 36 | 41 | 1 7/16-12 |
| 280 | 407207 | 28-30-32 | 1 1/4 | 44,5 | 58 | 41 | 50 | 1 11/16-12 |
| | 407208 | 35-38 | 1 1/2 | 49 | 61 | 48 | 60 | 2-12 |

KORPUS ZŁĄCZA KOLANOWEGO 45° NAKRĘTNEGO

CRIMPED NUT 45° ELBOW

4073...



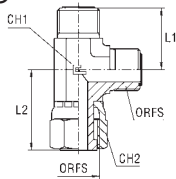
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|------|------|-----|-----|------------|
| 630 | 407301 | 6 | 1/4 | 16 | 26,5 | 14 | 17 | 9/16-18 |
| | 407302 | 8-10 | 5/16-3/8 | 19 | 29 | 19 | 22 | 11/16-16 |
| | 407303 | 12 | 1/2 | 20,5 | 38 | 19 | 24 | 13/16-16 |
| 420 | 407304 | 14-15-16 | 5/8 | 23,5 | 41 | 27 | 30 | 1-14 |
| | 407305 | 18-20 | 3/4 | 26 | 46,5 | 30 | 36 | 1 3/16-12 |
| | 407306 | 22-25 | 7/8-1 | 30 | 53,5 | 36 | 41 | 1 7/16-12 |
| 280 | 407307 | 28-30-32 | 1 1/4 | 32 | 58 | 41 | 50 | 1 11/16-12 |
| | 407308 | 35-38 | 1 1/2 | 37 | 61 | 48 | 60 | 2-12 |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 40.. na 41.. np. 400201 na 410201.
 * Note: If you wish to order a fitting in stainless steel, please change the first two digit from 40.. to 41.. ex. 400201 to 410201.

ORFS

KORPUS ZŁĄCZA TRÓJNIKOWEGO NIESYMETRYCZNEGO NAKRĘTNEGO CRIMPED NUT BRARREL TEE

4074...

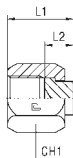


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|------|------|-----|-----|----------|
| 630 | 407401 | 6 | 1/4 | 21,5 | 26,5 | 14 | 17 | 9/16-18 |
| | 407402 | 8-10 | 5/16-3/8 | 25 | 29 | 19 | 22 | 11/16-16 |
| | 407403 | 12 | 1/2 | 28 | 38 | 19 | 24 | 13/16-16 |
| 420 | 407404 | 14-15-16 | 5/8 | 33,5 | 41 | 27 | 30 | 1-14 |
| | 407405 | 18-20 | 3/4 | 37,5 | 46,5 | 30 | 36 | 13/16-12 |
| | 407406 | 22-25 | 7/8-1 | 41,5 | 53,5 | 36 | 41 | 17/16-12 |
| 280 | 407407 | 28-30-32 | 1 1/4 | 44,5 | 58 | 41 | 50 | 11/16-12 |
| | 407408 | 35-38 | 1 1/2 | 49 | 61 | 48 | 60 | 2-12 |

ZAŚLEPKA ORFS

FEMALE PLUG ORFS

4076...

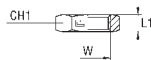


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | L2 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|------|------|-----|----------|
| 630 | 407601 | 6 | 1/4 | 16,5 | 8,5 | 17 | 9/16-18 |
| | 407602 | 8-10 | 5/16-3/8 | 18 | 9,5 | 22 | 11/16-16 |
| | 407603 | 12 | 1/2 | 22 | 12 | 24 | 13/16-16 |
| 420 | 407604 | 14-15-16 | 5/8 | 24,5 | 12 | 30 | 1-14 |
| | 407605 | 18-20 | 3/4 | 27 | 13,5 | 36 | 13/16-12 |
| | 407606 | 22-25 | 7/8-1 | 28,5 | 15 | 41 | 17/16-12 |
| 280 | 407607 | 28-30-32 | 1 1/4 | 28,5 | 15 | 50 | 11/16-12 |
| | 407608 | 35-38 | 1 1/2 | 28,5 | 15 | 60 | 2-12 |

PRZECIWNAKRĘTKA

HEXAGONAL NUT

4078...



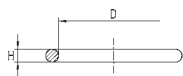
| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|------|-----|----------|
| 630 | 407801 | 6 | 1/4 | 7 | 22 | 9/16-18 |
| | 407802 | 8-10 | 5/16-3/8 | 8 | 27 | 11/16-16 |
| | 407803 | 12 | 1/2 | 9 | 30 | 13/16-16 |
| 420 | 407804 | 14-15-16 | 5/8 | 10,5 | 36 | 1-14 |
| | 407805 | 18-20 | 3/4 | 10,5 | 41 | 13/16-12 |
| | 407806 | 22-25 | 7/8-1 | 10,5 | 46 | 17/16-12 |
| 280 | 407807 | 28-30-32 | 1 1/4 | 10,5 | 50 | 11/16-12 |
| | 407808 | 35-38 | 1 1/2 | 10,5 | 60 | 2-12 |

PIERŚCIEŃ USZCZELNIAJĄCY O-RING

O-RING

0301... NBR

0302... VITON®

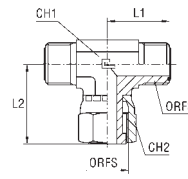


| Kod zamówienia NBR (Ordering NBR) | Kod zamówienia VITON® (Ordering VITON®) | D | H | Kod zamówienia NBR (Ordering NBR) | Kod zamówienia VITON® (Ordering VITON®) | D | H | Kod zamówienia NBR (Ordering NBR) | Kod zamówienia VITON® (Ordering VITON®) | D | H |
|-----------------------------------|---|-------|------|-----------------------------------|---|-------|------|-----------------------------------|---|-------|------|
| 030101 | 030201 | 4 | 1 | 030127 | 030227 | 15 | 2 | 030153 | 030253 | 38 | 1 |
| 030102 | 030202 | 4 | 1,5 | 030128 | 030228 | 15,3 | 2,2 | 030154 | 030254 | 38 | 2,5 |
| 030103 | 030203 | 6 | 1 | 030129 | 030229 | 16 | 1 | 030155 | 030255 | 38,6 | 2,9 |
| 030104 | 030204 | 6 | 1,5 | 030130 | 030230 | 16,3 | 2,4 | 030156 | 030256 | 42 | 1 |
| 030105 | 030205 | 7,5 | 1,5 | 030131 | 030231 | 16,36 | 2,2 | 030157 | 030257 | 43,69 | 3 |
| 030106 | 030206 | 7,97 | 1,88 | 030132 | 030232 | 17,86 | 2,62 | 030158 | 030258 | 44,04 | 3,53 |
| 030107 | 030207 | 8 | 1 | 030133 | 030233 | 18 | 1 | 030159 | 030259 | 44,6 | 2,9 |
| 030108 | 030208 | 8,4 | 1,6 | 030134 | 030234 | 19,18 | 2,46 | 030160 | 030260 | 55,56 | 3,53 |
| 030109 | 030209 | 8,92 | 1,83 | 030135 | 030235 | 19,3 | 2,2 | 030161 | 030261 | 60 | 2,62 |
| 030110 | 030210 | 9 | 1,5 | 030136 | 030236 | 20 | 1 | 030162 | 030262 | 4 | 0,5 |
| 030111 | 030211 | 9,3 | 2,2 | 030137 | 030237 | 20 | 2 | 030163 | 030263 | 5,5 | 0,5 |
| 030112 | 030212 | 10 | 1 | 030138 | 030238 | 20,3 | 2,4 | 030164 | 030264 | 7 | 0,5 |
| 030113 | 030213 | 10 | 2 | 030139 | 030239 | 22 | 1 | 030165 | 030265 | 10 | 0,5 |
| 030114 | 030214 | 10,52 | 1,93 | 030140 | 030240 | 23,47 | 2,62 | 030166 | 030266 | 13 | 0,5 |
| 030115 | 030215 | 10,77 | 2,62 | 030141 | 030241 | 23,47 | 2,95 | 030167 | 030267 | 16 | 0,5 |
| 030116 | 030216 | 11,3 | 2,2 | 030142 | 030242 | 23,6 | 2,9 | 030168 | 030268 | 48 | 1 |
| 030117 | 030217 | 11,9 | 1,98 | 030143 | 030243 | 25 | 1 | 030169 | 030269 | 17,3 | 2,2 |
| 030118 | 030218 | 12 | 1 | 030144 | 030244 | 25,3 | 2,4 | 030170 | 030270 | 7,65 | 1,78 |
| 030119 | 030219 | 12 | 2 | 030145 | 030245 | 26 | 2 | 030171 | 030271 | 9,25 | 1,78 |
| 030120 | 030220 | 13,3 | 2,2 | 030146 | 030246 | 28 | 1 | 030172 | 030272 | 12,42 | 1,78 |
| 030121 | 030221 | 13,94 | 2,62 | 030147 | 030247 | 30 | 1 | 030173 | 030273 | 15,6 | 1,78 |
| 030122 | 030222 | 14 | 1 | 030148 | 030248 | 32 | 2,5 | 030174 | 030274 | 18,77 | 1,78 |
| 030123 | 030223 | 15 | 1 | 030149 | 030249 | 33,3 | 2,4 | 030175 | 030275 | 23,52 | 1,78 |
| 030124 | 030224 | 15 | 2 | 030150 | 030250 | 35 | 1 | 030176 | 030276 | 29,87 | 1,78 |
| 030125 | 030225 | 15,3 | 2,2 | 030151 | 030251 | 37,46 | 3 | 030177 | 030277 | 37,82 | 1,78 |
| 030126 | 030226 | 16 | 1 | 030152 | 030252 | 37,69 | 3,53 | - | - | - | - |

* Info: Dotyczy wszystkich tabel - Jeżeli chcą Państwo zamówić element ze stali nierdzewnej, prosimy zmienić pierwsze dwie cyfry w kodzie zamówienia z 40... na 41... np. 400201 na 410201.
* Note: If you wish to order a fitting in stainless steel, please change the first two digit from 40... to 41... ex. 400201 to 410201.

KORPUS ZŁĄCZA TRÓJNIKOWEGO SYMERYCZNEGO NAKRĘTNEGO CRIMPED NUT BRANCH TEE

4075...

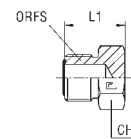


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | L2 | CH1 | CH2 | ORFS |
|-----------------|---|---------------------|---------------------|------|------|-----|-----|----------|
| 630 | 407501 | 6 | 1/4 | 21,5 | 26,5 | 14 | 17 | 9/16-18 |
| | 407502 | 8-10 | 5/16-3/8 | 25 | 29 | 19 | 22 | 11/16-16 |
| | 407503 | 12 | 1/2 | 28 | 38 | 19 | 24 | 13/16-16 |
| 420 | 407504 | 14-15-16 | 5/8 | 33,5 | 41 | 27 | 30 | 1-14 |
| | 407505 | 18-20 | 3/4 | 37,5 | 46,5 | 30 | 36 | 13/16-12 |
| | 407506 | 22-25 | 7/8-1 | 41,5 | 53,5 | 36 | 41 | 17/16-12 |
| 280 | 407507 | 28-30-32 | 1 1/4 | 44,5 | 58 | 41 | 50 | 11/16-12 |
| | 407508 | 35-38 | 1 1/2 | 49 | 61 | 48 | 60 | 2-12 |

KOREK ORFS

MALE PLUG ORFS

4077...

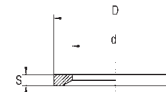


| Ciśnienie (Bar) | Kod zamówienia korpusu (Ordering Body)* | Ø Rury M (Ø Tube M) | Ø Rury W (Ø Tube W) | L1 | CH1 | ORFS |
|-----------------|---|---------------------|---------------------|------|-----|----------|
| 630 | 407701 | 6 | 1/4 | 16,5 | 17 | 9/16-18 |
| | 407702 | 8-10 | 5/16-3/8 | 19 | 19 | 11/16-16 |
| | 407703 | 12 | 1/2 | 22 | 22 | 13/16-16 |
| 420 | 407704 | 14-15-16 | 5/8 | 26 | 27 | 1-14 |
| | 407705 | 18-20 | 3/4 | 27,5 | 32 | 13/16-12 |
| | 407706 | 22-25 | 7/8-1 | 28 | 41 | 17/16-12 |
| 280 | 407707 | 28-30-32 | 1 1/4 | 28 | 46 | 11/16-12 |
| | 407708 | 35-38 | 1 1/2 | 28 | 55 | 2-12 |

USZCZELKA ELASTOMEROWA

ELASTOMERIC SEAL

0303... NBR
0304... VITON®



| Kod zamówienia NBR (Ordering NBR) | Kod zamówienia VITON® (Ordering VITON®) | D | M | D | d | s |
|-----------------------------------|---|----------------|-------|------|------|-----|
| 030301 | 030401 | 8x1 | - | 9,9 | 6,5 | 1 |
| 030302 | 030402 | 10x1 | 1/8 | 11,4 | 8,4 | 1 |
| 030303 | 030403 | 12x1,5 | - | 14,9 | 9,8 | 1,5 |
| 030304 | 030404 | 14x1,5 | 1/4 | 16,5 | 11,6 | 1,5 |
| 030305 | 030405 | 16x1,5 | - | 18,9 | 13,8 | 1,5 |
| 030306 | 030406 | - | 3/8 | 18,9 | 14,7 | 1,5 |
| 030307 | 030407 | 18x1,5 | - | 20,9 | 15,7 | 1,5 |
| 030308 | 030408 | 20x1,5 | - | 22,9 | 17,8 | 1,5 |
| 030309 | 030409 | - | 1/2 | 23,9 | 18,5 | 1,5 |
| 030310 | 030410 | 22x1,5 | - | 24,3 | 19,6 | 1,5 |
| 030311 | 030411 | 26x1,5 27x2 | 3/4 | 29,2 | 23,9 | 1,5 |
| 030312 | 030412 | 33x2 | 1 | 35,7 | 29,7 | 2 |
| 030313 | 030413 | 42x2 | 1 1/4 | 45,8 | 38,8 | 2 |
| 030314 | 030414 | 48x2 | 1 1/2 | 50,7 | 44,7 | 2 |
| 030315 | 030415 | - | 2 | 63,5 | 56,5 | 2 |

| | | | |
|-----------------|---------------|-------------|------------|
| 0301... 58, 102 | 1034...1 50 | 1088...1 58 | 3013... 77 |
| 0302... 58, 102 | 1034...4 50 | 1088...4 58 | 3014... 77 |
| 0303... 58, 102 | 1035... 50 | 1089... 58 | 3015... 77 |
| 0304... 58, 102 | 1035...1 50 | 1089...1 58 | 3016... 77 |
| 0305 58 | 1035...4 50 | 1089...4 58 | 3017... 77 |
| 0306... 58 | 1036... 50 | 2001... 63 | 3018... 77 |
| 1001...1 44 | 1036...1 50 | 2002... 63 | 3019... 78 |
| 1001...1.4 44 | 1036...4 50 | 2003...3 63 | 3020... 78 |
| 1002... 44 | 1037... 51 | 2004...3 63 | 3021... 78 |
| 1003... 44 | 1037...1 51 | 2005...3 63 | 3022... 78 |
| 1003...1 44 | 1037...4 51 | 2006...3 63 | 3023... 78 |
| 1003...4 44 | 1038... 51 | 2007...3 64 | 3024... 78 |
| 1004... 44 | 1038...1 51 | 2008...3 64 | 3025... 78 |
| 1004...1 44 | 1038...4 51 | 2009...3 64 | 3026... 78 |
| 1004...4 44 | 1039... 51 | 2010...3 64 | 3027... 79 |
| 1005... 45 | 1039...1 51 | 2011...3 64 | 3028... 79 |
| 1005...1 45 | 1039...4 51 | 2012...3 65 | 3029... 79 |
| 1005...4 45 | 1040... 51 | 2013...3 65 | 3030... 79 |
| 1006... 45 | 1040...1 51 | 2014...3 65 | 3031... 79 |
| 1006...1 45 | 1040...4 51 | 2015...3 65 | 3032... 79 |
| 1006...4 45 | 1041... 52 | 2016...3 65 | 3033... 79 |
| 1007... 46 | 1041...1 52 | 2017...3 65 | 3034... 79 |
| 1007...1 46 | 1041...4 52 | 2018...3 65 | 3035... 80 |
| 1007...4 46 | 1049... 52 | 2019...3 65 | 3036... 80 |
| 1008... 46 | 1049...1 52 | 2020...3 66 | 3037... 80 |
| 1008...1 46 | 1049...4 52 | 2021...3 66 | 3038... 80 |
| 1008...4 46 | 1055... 52 | 2022...3 66 | 3039... 80 |
| 1009... 46 | 1055...1 52 | 2023...3 66 | 3040... 80 |
| 1009...1 46 | 1055...4 52 | 2024...3 66 | 3041... 80 |
| 1009...4 46 | 1056... 52 | 2025...3 66 | 3042... 80 |
| 1013... 47 | 1056...1 52 | 2026...3 66 | 3043... 81 |
| 1013...1 47 | 1056...4 52 | 2027...3 66 | 3044... 81 |
| 1013...4 47 | 1057... 52 | 2028...3 67 | 3045... 81 |
| 1014... 47 | 1058... 53 | 2029...3 67 | 3046... 81 |
| 1014...1 47 | 1058...1 53 | 2030...3 67 | 3047... 81 |
| 1014...4 47 | 1058...4 53 | 2031...3 67 | 3048... 81 |
| 1015... 47 | 1059... 53 | 2032...3 67 | 3049... 81 |
| 1015...1 47 | 1059...1 53 | 2033...3 67 | 3050... 81 |
| 1015...4 47 | 1059...1.4 53 | 2034...3 68 | 3051... 82 |
| 1016... 47 | 1059...4 53 | 2035... 68 | 3052... 82 |
| 1016...1 47 | 1061... 53 | 2036... 68 | 3053... 82 |
| 1016...4 47 | 1061...1 53 | 2037... 68 | 3054... 82 |
| 1017... 46 | 1061...4 53 | 2038... 68 | 3055... 82 |
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Dobór elementów z niniejszego katalogu,
należy konsultować z naszym działem technicznym.
Katalog nie stanowi oferty w rozumieniu obowiązujących przepisów.
Hydropress zastrzega sobie prawo do zmian danych w katalogu.



HYDROPRESS oferuje również:

- elektrohydraulikę
- zawory kulowe
- elementy złączne
- szybkozłącza hydrauliczne
- węże i wysoko i nisko ciśnieniowe
- okucia do węży hydraulicznych
- pneumatykę
- uchwyty do rur
- rury hydrauliczne i pneumatyczne
- technikę pomiarową
- elementy filtracyjne
- pompy hydrauliczne
- rozdzielacze monoblokowe i sekcyjne do zastosowań mobilnych
- akumulatory hydrauliczne
- silniki hydrauliczne do zastosowań mobilnych i przemysłowych
- zawory liniowe
- kołnierze, sprzęgła
- produkcja, serwis, projektowanie oraz pomoc techniczna



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