

KOŃCOWKI I TULEJE DO WĘŻY ALFAGOMMA



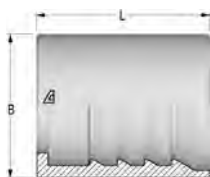
// STANDARD

// FERRULES	46	// NPTF INSERTS	79
// HOSE MENDER	48	// NPSM INSERTS	81
// BSP INSERTS	49	// ORFS INSERTS	82
// DIN METRIC INSERTS	56	// FRENCH INSERTS	86
// PRESSURE WASHER	70	// JIS INSERTS	87
// SAE INSERTS	71	// KOMATSU INSERTS	89
// JIC 37° INSERTS	73	// SAE FLANGES	91

// FERRULES

// H1100104

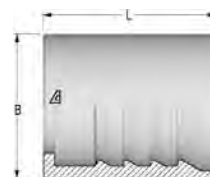
Skive Ferrule



Item Code	ID			B mm	L mm
	Dash	mm	in		
1201545	20	31,0	1 1/4"	50,0	43,8
1201546	24	38,0	1 1/2"	57,0	49,2
1201547	32	51,0	2"	71,0	63,7

// H1100404

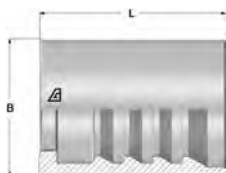
Skive Ferrule



Item Code	ID			B mm	L mm
	Dash	mm	in		
1202719	04	6,0	1/4"	22,0	26,3
1203253	06	10,0	3/8"	25,0	28,5
1203266	08	13,0	1/2"	29,0	34,7
1219132	10	16,0	5/8"	33,0	37,5
1203368	12	19,0	3/4"	37,0	41,5
1234701	16	25,0	1"	45,0	47,7
1234766	20	31,0	1 1/4"	55,0	54,5
1234767	24	38,0	1 1/2"	67,0	61,1
1234768	32	51,0	2"	82,0	75,1

// H1100SK1

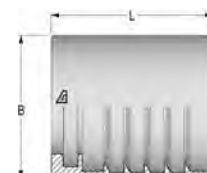
Skive Ferrule



Item Code	ID			B mm	L mm
	Dash	mm	in		
1233077	04	6,0	1/4"	19,0	25,5
1233078	05	8,0	5/16"	21,0	25,5
1233079	06	10,0	3/8"	23,0	27,5
1233080	08	13,0	1/2"	27,0	33,5
1233081	10	16,0	5/8"	30,0	36,5
1233082	12	19,0	3/4"	33,0	40,0
1233083	16	25,0	1"	41,0	46,5

// H1200204

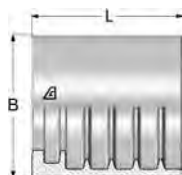
No-skive Ferrule



Item Code	ID			B mm	L mm
	Dash	mm	in		
1216588	06	10,0	3/8"	30,0	28,0
1216589	08	13,0	1/2"	34,0	33,9
1216590	10	16,0	5/8"	38,0	36,6
1203322	12	19,0	3/4"	42,0	39,5
1203323	16	25,0	1"	50,0	47,5
1216591	20	31,0	1 1/4"	61,0	50,2

// H1200AD1

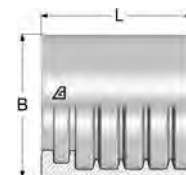
No-skive Ferrule



Item Code	ID			B mm	L mm
	Dash	mm	in		
1227977	03	5,0	3/16"	19,0	24,0
1227978	04	6,0	1/4"	22,0	24,7
1227979	05	8,0	5/16"	23,0	24,7
1227980	06	10,0	3/8"	26,0	29,7
1227981	08	13,0	1/2"	29,0	30,5
1227983	10	16,0	5/8"	32,0	30,5
1227985	12	19,0	3/4"	36,0	36,0
1227986	16	25,0	1"	44,0	36,7
1227987	20	31,0	1 1/4"	53,0	48,6
1227988	24	38,0	1 1/2"	61,0	48,6
1227989	32	51,0	2"	75,0	48,6

// H1200AD2

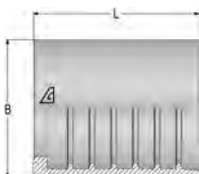
No-skive Ferrule



Item Code	ID			B mm	L mm
	Dash	mm	in		
1227990	03	5,0	3/16"	21,0	21,5
1227991	04	6,0	1/4"	23,0	24,7
1227992	05	8,0	5/16"	25,0	24,7
1227993	06	10,0	3/8"	27,0	29,7
1227994	08	13,0	1/2"	30,0	30,5
1227995	10	16,0	5/8"	33,0	30,5
1227996	12	19,0	3/4"	37,0	36,0
1227997	16	25,0	1"	45,0	36,7
1227998	20	31,0	1 1/4"	56,0	48,6
1227999	24	38,0	1 1/2"	64,0	48,5
1228000	32	51,0	2"	78,0	48,6

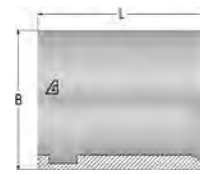
Dimensions shown may be changed without prior notice

// H1200TP0
No-skive Ferrule



Item Code	ID		B	L
	Dash	mm		
1232354	03	5,0	3/16"	22,0
1232358	04	6,0	1/4"	26,5
1232359	05	8,0	5/16"	26,5
1232360	06	10,0	3/8"	26,5
1232361	08	13,0	1/2"	30,5

// H2200TF0
No-skive Ferrule



Item Code	ID		B	L
	Dash	mm		
1232132	03	5,0	3/16"	20,0
1232133	04	6,0	1/4"	25,0
1232134	05	8,0	5/16"	25,0
1232135	06	10,0	3/8"	25,0
1232136	08	13,0	1/2"	30,0
1232137	10	16,0	5/8"	33,0
1232138	12	19,0	3/4"	37,0
1232139	16	25,0	1"	45,0
1232140	20	31,0	1 1/4"	48,0
1232141	24	38,0	1 1/2"	58,0
1232142	32	51,0	2"	67,0

// H1200TX2
No-skive Ferrule

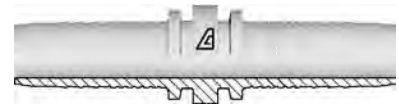


Item Code	ID		B	L
	Dash	mm		
1236581	03	5,0	3/16"	21,5
1236582	04	6,0	1/4"	24,7
1236583	05	8,0	5/16"	24,7
1236584	06	10,0	3/8"	29,7
1236585	08	13,0	1/2"	30,5
1236586	10	16,0	5/8"	35,5
1236587	12	19,0	3/4"	36,0
1236588	16	25,0	1"	42,5
1236589	20	31,0	1 1/4"	56,5
1236590	24	38,0	1 1/2"	61,5
1236591	32	51,0	2"	73,5
1236592	40	63,0	2 1/2"	85,0

// HOSE MENDER

// H12C5610

Hose Mender



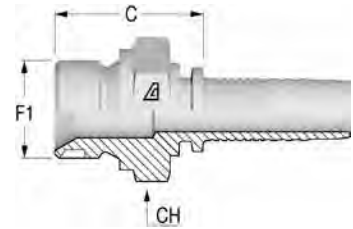
Item Code	Tail/Head	ID		
	Dash	Dash	mm	in
1202949	-0404	04	6,0	1/4"
1202870	-0505	05	8,0	5/16"
1202868	-0606	06	10,0	3/8"
1202867	-0808	08	13,0	1/2"
1203160	-1010	10	16,0	5/8"
1203161	-1212	12	19,0	3/4"
1220608	-1616	16	25,0	1"
1220607	-2020	20	32,0	1 1/4"
1220605	-2424	24	38,0	1 1/2"
1220606	-3232	32	51,0	2"

Dimensions shown may be changed without prior notice

// BSP INSERTS

// H1210510

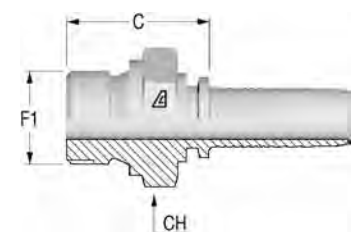
**BSP Male 60° Flare
AGR**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size		mm	mm
1201291	-0302	NA	03	5,0	3/16"	02	1/8-28	20,3	14,0
1201722	-0402	NA	04	6,0	1/4"	02	1/8-28	20,8	14,0
1200507	-0404	NA	04	6,0	1/4"	04	1/4-19	26,3	19,0
1200508	-0406	NA	04	6,0	1/4"	06	3/8-19	27,8	22,0
1201098	-0408	NA	04	6,0	1/4"	08	1/2-14	31,3	27,0
1200540	-0504	NA	05	8,0	5/16"	04	1/4-19	26,3	19,0
1200541	-0506	NA	05	8,0	5/16"	06	3/8-19	27,8	22,0
1201101	-0508	NA	05	8,0	5/16"	08	1/2-14	31,3	27,0
1200340	-0604	NA	06	10,0	3/8"	04	1/4-19	26,3	19,0
1200341	-0606	NA	06	10,0	3/8"	06	3/8-19	27,8	22,0
1200339	-0608	NA	06	10,0	3/8"	08	1/2-14	31,3	27,0
1200386	-0806	NA	08	13,0	1/2"	06	3/8-19	28,6	22,0
1200384	-0808	NA	08	13,0	1/2"	08	1/2-14	32,1	27,0
1201096	-0810	NA	08	13,0	1/2"	10	5/8-14	34,1	30,0
1200385	-0812	NA	08	13,0	1/2"	12	3/4-14	36,1	32,0
1201085	-1008	NA	10	16,0	5/8"	08	1/2-14	32,1	27,0
1200419	-1010	NA	10	16,0	5/8"	10	5/8-14	34,1	30,0
1200418	-1012	NA	10	16,0	5/8"	12	3/4-14	36,1	32,0
1200446	-1212	NA	12	19,0	3/4"	12	3/4-14	36,6	32,0
1201095	-1216	NA	12	19,0	3/4"	16	1-11	41,6	41,0
1201355	-1616	NA	16	25,0	1"	16	1-11	42,4	41,0
1201356	-1620	NA	16	25,0	1"	20	1 1/4-11	46,4	50,0
1201357	-2020	NA	20	32,0	1 1/4"	20	1 1/4-11	48,0	50,0
1201358	-2424	NA	24	38,0	1 1/2"	24	1 1/2-11	51,0	55,0

// H1210610

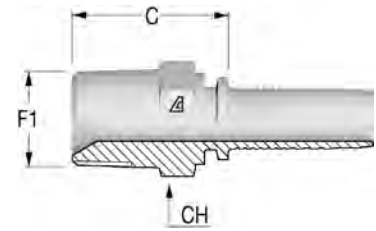
**BSP Male Flat Seat
AGR FD**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size		mm	mm
1214181	-0404	NA	04	6,0	1/4"	04	1/4-19	26,3	19,0
1223423	-0606	NA	06	10,0	3/8"	06	3/8-19	27,8	22,0
1216596	-0608	NA	06	10,0	3/8"	08	1/2-14	31,3	27,0
1225012	-0808	NA	08	13,0	1/2"	08	1/2-14	32,1	27,0

// H1210710

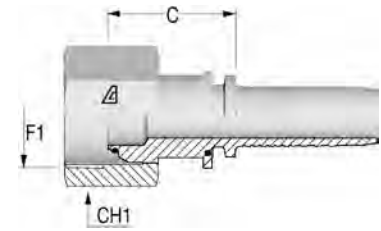
**BSPT Male
AGR K**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1200456	-0302	NA	03	5,0	3/16"	02	1/8-28	20,8	12,0
1200491	-0402	NA	04	6,0	1/4"	02	1/8-28	21,3	12,0
1200490	-0404	NA	04	6,0	1/4"	04	1/4-19	26,8	17,0
1200492	-0406	NA	04	6,0	1/4"	06	3/8-19	27,8	19,0
1200532	-0504	NA	05	8,0	5/16"	04	1/4-19	26,8	17,0
1200533	-0506	NA	05	8,0	5/16"	06	3/8-19	27,8	19,0
1200328	-0604	NA	06	10,0	3/8"	04	1/4-19	26,8	17,0
1200329	-0606	NA	06	10,0	3/8"	06	3/8-19	27,8	19,0
1200327	-0608	NA	06	10,0	3/8"	08	1/2-14	32,3	22,0
1200373	-0806	NA	08	13,0	1/2"	06	3/8-19	28,6	19,0
1200371	-0808	NA	08	13,0	1/2"	08	1/2-14	33,1	22,0
1200410	-1012	NA	10	16,0	5/8"	12	3/4-14	34,1	27,0
1200440	-1212	NA	12	19,0	3/4"	12	3/4-14	34,6	27,0
1200439	-1216	NA	12	19,0	3/4"	16	1-11	43,6	36,0
1201365	-1612	NA	16	25,0	1"	12	3/4-14	37,4	32,0
1201361	-1616	NA	16	25,0	1"	16	1-11	44,4	36,0
1201363	-2020	NA	20	32,0	1 1/4"	20	1 1/4-11	49,0	46,0
1201364	-2424	NA	24	38,0	1 1/2"	24	1 1/2-11	50,5	50,0
1201360	-3232	NA	32	51,0	2"	32	2-11	54,2	65,0

Dimensions shown may be changed without prior notice

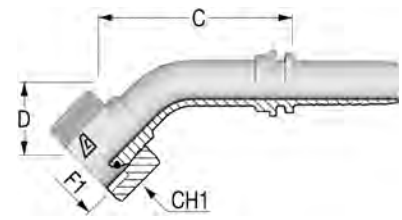
// H1220813

**BSP Female 60° Cone with O-Ring
DKOR**

Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size			
1200606	-0302	CR	03	5,0	3/16"	02	1/8-28	14,3	14,0
1202325	-0304	SN	03	5,0	3/16"	04	1/4-19	20,3	19,0
1201066	-0402	CR	04	6,0	1/4"	02	1/8-28	14,7	14,0
1202326	-0404	SN	04	6,0	1/4"	04	1/4-19	20,8	19,0
1202327	-0406	SN	04	6,0	1/4"	06	3/8-19	23,3	22,0
1202328	-0504	CR	05	8,0	5/16"	04	1/4-19	17,3	19,0
1202329	-0506	SN	05	8,0	5/16"	06	3/8-19	23,3	22,0
1202330	-0604	CR	06	10,0	3/8"	04	1/4-19	17,3	19,0
1202331	-0606	SN	06	10,0	3/8"	06	3/8-19	23,3	22,0
1202332	-0608	SN	06	10,0	3/8"	08	1/2-14	24,3	27,0
1202571	-0806	CR	08	13,0	1/2"	06	3/8-19	18,6	22,0
1202333	-0808	SN	08	13,0	1/2"	08	1/2-14	25,1	27,0
1202334	-0810	SN	08	13,0	1/2"	10	5/8-14	28,4	27,0
1202335	-0812	SN	08	13,0	1/2"	12	3/4-14	29,0	32,0
1202457	-1010	CR	10	16,0	5/8"	10	5/8-14	17,1	27,0
1202336	-1012	SN	10	16,0	5/8"	12	3/4-14	29,0	32,0
1202462	-1212	CR	12	19,0	3/4"	12	3/4-14	23,9	32,0
1202337	-1216	SN	12	19,0	3/4"	16	1-11	34,0	38,0
1202455	-1616	CR	16	25,0	1"	16	1-11	23,9	38,0
1202338	-1620	SN	16	25,0	1"	20	1 1/4-11	39,4	50,0
1202458	-2020	TN	20	32,0	1 1/4"	20	1 1/4-11	32,0	50,0
1202339	-2024	SN	20	32,0	1 1/4"	24	1 1/2-11	41,9	55,0
1202463	-2424	TN	24	38,0	1 1/2"	24	1 1/2-11	33,8	55,0
1202340	-2432	SN	24	38,0	1 1/2"	32	2-11	47,0	70,0
1202014	-3232	TN	32	51,0	2"	32	2-11	34,0	70,0

// H1220843

**45° BSPP Female 60° Cone with O-Ring
DKOR 45
Solid one piece**

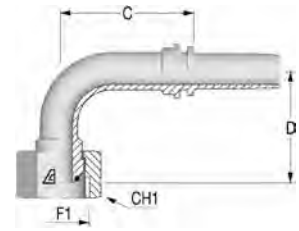


Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
1202341	-0404	SN	04	6,0	1/4"	04	1/4-19	45,5	15,0	19,0	
1202342	-0406	SN	04	6,0	1/4"	06	3/8-19	41,5	17,5	22,0	
1214200	-0504	CR	05	8,0	5/16"	04	1/4-19	19,0	17,5	19,0	
1202343	-0506	SN	05	8,0	5/16"	06	3/8-19	45,1	18,5	22,0	
1202344	-0606	SN	06	10,0	3/8"	06	3/8-19	49,9	20,5	22,0	
1202345	-0608	SN	06	10,0	3/8"	08	1/2-14	45,7	21,0	27,0	
1202346	-0808	SN	08	13,0	1/2"	08	1/2-14	55,0	21,0	27,0	
1202347	-0810	SN	08	13,0	1/2"	10	5/8-14	57,2	23,0	27,0	
1202348	-0812	SN	08	13,0	1/2"	12	3/4-14	56,7	23,0	32,0	
1202464	-1010	CR	10	16,0	5/8"	10	5/8-14	64,0	21,5	27,0	
1202349	-1012	SN	10	16,0	5/8"	12	3/4-14	66,5	22,5	32,0	
1202465	-1212	CR	12	19,0	3/4"	12	3/4-14	70,0	28,0	32,0	
1202350	-1216	SN	12	19,0	3/4"	16	1-11	74,6	31,5	38,0	
1202466	-1616	CR	16	25,0	1"	16	1-11	84,0	34,0	38,0	
1216663	-1620	SN	16	25,0	1"	20	1 1/4-11	97,0	47,5	50,0	
1202467	-2020	TN	20	32,0	1 1/4"	20	1 1/4-11	100,8	40,0	50,0	
1202469	-3232	TN	32	51,0	2"	32	2-11	151,5	60,0	70,0	

Dimensions shown may be changed without prior notice

// H1220893

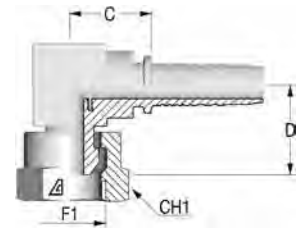
**90° BSPP Female 60° Cone with O-Ring
DKOR 90
Solid one piece**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1200607	-0302	CR	03	5,0	3/16"	02	1/8-28	24,0	30,0	14,0
1202367	-0404	SN	04	6,0	1/4"	04	1/4-19	29,3	29,0	19,0
1202353	-0406	SN	04	6,0	1/4"	06	3/8-19	29,8	31,0	22,0
1202354	-0506	SN	05	8,0	5/16"	06	3/8-19	33,2	36,0	22,0
1202355	-0606	SN	06	10,0	3/8"	06	3/8-19	34,8	42,0	22,0
1202356	-0608	SN	06	10,0	3/8"	08	1/2-14	34,3	35,5	27,0
1202881	-0806	CR	08	13,0	1/2"	06	3/8-19	35,3	43,0	22,0
1202357	-0808	SN	08	13,0	1/2"	08	1/2-14	35,8	41,0	27,0
1202358	-0810	SN	08	13,0	1/2"	10	5/8-14	41,6	43,5	27,0
1202359	-0812	SN	08	13,0	1/2"	12	3/4-14	41,8	43,0	32,0
1202470	-1010	CR	10	16,0	5/8"	10	5/8-14	47,9	47,0	27,0
1202360	-1012	SN	10	16,0	5/8"	12	3/4-14	51,9	49,0	32,0
1202471	-1212	CR	12	19,0	3/4"	12	3/4-14	49,1	53,0	32,0
1202361	-1216	SN	12	19,0	3/4"	16	1-11	54,1	60,5	38,0
1202475	-1616	CR	16	25,0	1"	16	1-11	75,1	69,0	38,0
1202362	-1620	SN	16	25,0	1"	20	1 1/4-11	75,1	88,5	50,0
1202472	-2020	TN	20	32,0	1 1/4"	20	1 1/4-11	82,3	83,0	50,0
1202363	-2024	SN	20	32,0	1 1/4"	24	1 1/2-11	101,0	83,0	55,0
1202456	-2424	TN	24	38,0	1 1/2"	24	1 1/2-11	95,7	96,0	55,0
1202364	-2432	SN	24	38,0	1 1/2"	32	2-11	107,8	104,0	70,0
1202473	-3232	TN	32	51,0	2"	32	2-11	128,5	136,0	70,0

// H1220581

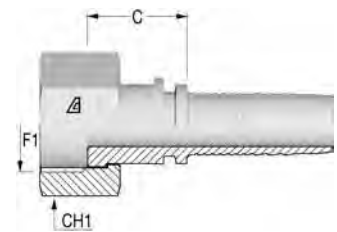
**90° Compact BSPP Female 60° Cone
DKR 90**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1202422	-0404	CR	04	6,0	1/4"	04	1/4-19	16,8	19,5	19,0
1202026	-0608	CR	06	10,0	3/8"	08	1/2-14	21,5	22,5	27,0
1202027	-0808	CR	08	13,0	1/2"	08	1/2-14	22,6	24,5	27,0
1203213	-1212	CR	12	19,0	3/4"	12	3/4-14	26,7	31,0	32,0
1203330	-1616	CR	16	25,0	1"	16	1-11	34,5	27,5	38,0

// H1220613

**BSPP Female Flat Seat
DKR FD**

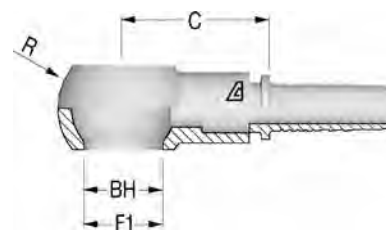


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size			
1202226	-0404	SN	04	6,0	1/4"	04	1/4-19	20,3	19,0
1202227	-0606	SN	06	10,0	3/8"	06	3/8-19	20,3	22,0
1202140	-0608	SN	06	10,0	3/8"	08	1/2-14	20,8	27,0
1202228	-0808	SN	08	13,0	1/2"	08	1/2-14	21,6	27,0
1202229	-0812	SN	08	13,0	1/2"	12	3/4-14	24,6	32,0
1201570	-1212	CR	12	19,0	3/4"	12	3/4-14	18,1	32,0
1216659	-1216	CR	12	19,0	3/4"	16	1-11	20,6	38,0
1201384	-1616	CR	16	25,0	1"	16	1-11	19,9	38,0

Dimensions shown may be changed without prior notice

// H1230310

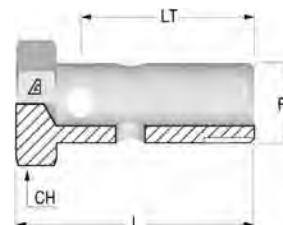
**BSP Banjo
RNR**



Item Code	Tail/Head	Dash	ID		F1	C	BH	R
	Dash		mm	in		mm	mm	mm
1203087	-0402	04	6,0	1/4"	1/8-28	20,0	10,10	17
1203086	-0404	04	6,0	1/4"	1/4-19	26,5	13,30	22
1216840	-0406	04	6,0	1/4"	3/8-19	30,5	16,70	28
1201763	-0506	05	8,0	5/16"	3/8-19	30,5	16,70	28
1201760	-0606	06	10,0	3/8"	3/8-19	30,5	16,70	28
1201754	-0608	06	10,0	3/8"	1/2-14	34,5	21,00	38
1216843	-0806	08	13,0	1/2"	3/8-19	30,5	16,70	28
1203048	-0808	08	13,0	1/2"	1/2-14	35,0	21,00	38
1203085	-1010	10	16,0	5/8"	5/8-14	38,0	23,00	40
1200423	-1212	12	19,0	3/4"	3/4-14	41,5	26,50	46
1203084	-1616	16	25,0	1"	1-11	50,5	33,30	58

// H10V0210

BSP Bolt

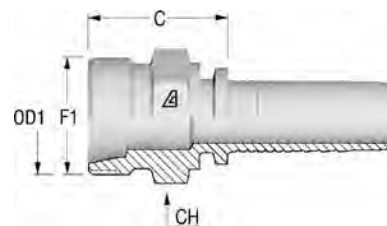


Item Code	ID	F1	LT	L	CH
	Dash		mm	mm	mm
1210365	08	1/2-14	38,0	46,0	27,0
1210366	04	1/4-19	25,0	30,0	19,0
1210367	06	3/8-19	31,0	38,0	22,0
1210402	16	1-11	58,0	69,0	38,0
1210403	12	3/4-14	47,0	56,0	32,0

// DIN METRIC INSERTS

// H1211110

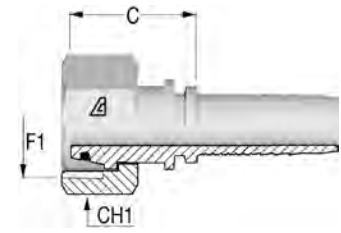
**Metric Male 24° Seat - Light
DIN 3853 - CEL**



Item Code	Tail/Head Dash/mm	Nut Type	ID		F1	OD1 mm	C mm	CH mm
			Dash	mm / in				
1200451	-0312	NA	03	5,0 / 3/16"	M12X1.5	6	20,8	14,0
1200481	-0412	NA	04	6,0 / 1/4"	M12X1.5	6	21,3	14,0
1200482	-0414	NA	04	6,0 / 1/4"	M14X1.5	8	21,3	14,0
1201558	-0416	NA	04	6,0 / 1/4"	M16X1.5	10	23,3	17,0
1200518	-0516	NA	05	8,0 / 5/16"	M16X1.5	10	23,3	17,0
1201086	-0518	NA	05	8,0 / 5/16"	M18X1.5	12	24,3	19,0
1200314	-0616	NA	06	10,0 / 3/8"	M16X1.5	10	23,3	17,0
1200315	-0618	NA	06	10,0 / 3/8"	M18X1.5	12	24,3	19,0
1200320	-0622	NA	06	10,0 / 3/8"	M22X1.5	15	25,3	22,0
1202565	-0818	NA	08	13,0 / 1/2"	M18X1.5	12	25,1	19,0
1200358	-0822	NA	08	13,0 / 1/2"	M22X1.5	15	26,1	22,0
1200362	-0826	NA	08	13,0 / 1/2"	M26X1.5	18	27,1	27,0
1200401	-1026	NA	10	16,0 / 5/8"	M26X1.5	18	27,1	27,0
1200432	-1230	NA	12	19,0 / 3/4"	M30X2	22	31,6	32,0
1201372	-1636	NA	16	25,0 / 1"	M36X2	28	34,4	36,0
1201373	-2045	NA	20	32,0 / 1 1/4"	M45X2	35	40,0	46,0
1201374	-2452	NA	24	38,0 / 1 1/2"	M52X2	42	42,0	55,0

Dimensions shown may be changed without prior notice

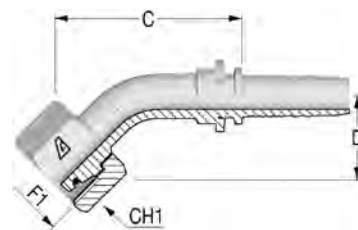
// H1221513

**Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL**

Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	CH1 mm
			Dash	mm	in				
1200595	-0312	SN	03	5,0	3/16"	M12X1.5	6	23,9	14,0
1238160	-0514	TN	05	8,0	5/16"	M14X1.5	8	47,7	17,0
1240279	-0516	TN	05	8,0	5/16"	M16X1.5	10	23,2	19,0
1200667	-0618	SN	06	10,0	3/8"	M18X1.5	12	25,4	22,0
1238162	-0818	TN	08	13,0	1/2"	M18X1.5	12	24,0	22,0
1240280	-0822	TN	08	13,0	1/2"	M22X1.5	15	25,3	27,0
1240281	-1026	TN	10	16,0	5/8"	M26X1.5	18	25,0	32,0
1201593	-1630	TN	16	25,0	1"	M30X2	22	44,6	36,0
1201385	-1636	SN	16	25,0	1"	M36X2	28	33,6	41,0
1225980	-1645	SN	16	25,0	1"	M45X2	35	38,5	50,0
1201386	-2045	SN	20	32,0	1 1/4"	M45X2	35	40,1	50,0
1201387	-2452	SN	24	38,0	1 1/2"	M52X2	42	40,5	60,0

// H1221543

**45° Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL 45
Solid one piece**

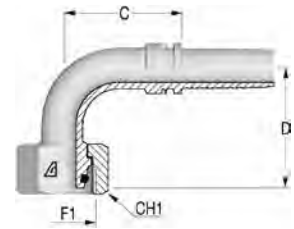


Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1200594	-0312	SN	03	5,0	3/16"	M12X1.5	6	44,9	19,0	14,0
1216676	-0412	CR	04	6,0	1/4"	M12X1.5	6	45,2	15,5	14,0
1200612	-0414	SN	04	6,0	1/4"	M14X1.5	8	43,0	17,5	17,0
1201576	-0416	SN	04	6,0	1/4"	M16X1.5	10	42,0	20,0	19,0
1225984	-0514	SN	05	8,0	5/16"	M14X1.5	8	47,5	20,0	17,0
1200645	-0516	SN	05	8,0	5/16"	M16X1.5	10	47,5	20,0	19,0
1200646	-0518	SN	05	8,0	5/16"	M18X1.5	12	47,0	22,0	22,0
1239647	-0616	TN	06	10,0	3/8"	M16X1.5	10	43,0	19,0	19,0
1200671	-0618	SN	06	10,0	3/8"	M18X1.5	12	46,8	19,5	22,0
1200711	-0822	SN	08	13,0	1/2"	M22X1.5	15	55,0	21,0	27,0
1200738	-1026	SN	10	16,0	5/8"	M26X1.5	18	65,3	24,0	32,0
1200764	-1230	SN	12	19,0	3/4"	M30X2	22	69,4	32,0	36,0
1201390	-1636	SN	16	25,0	1"	M36X2	28	91,4	32,0	41,0
1201392	-2045	SN	20	32,0	1 1/4"	M45X2	35	100,0	45,0	50,0
1202128	-2452	SN	24	38,0	1 1/2"	M52X2	42	114,1	47,0	60,0

Dimensions shown may be changed without prior notice

// H1221593

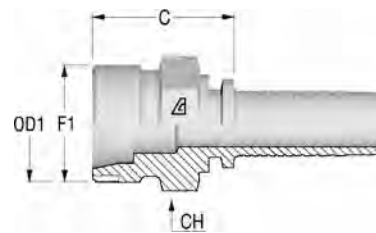
90° Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL 90
Solid one piece



Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1200597	-0312	SN	03	5,0	3/16"	M12X1.5	6	23,6	33,0	14,0
1200618	-0414	SN	04	6,0	1/4"	M14X1.5	8	28,3	32,5	17,0
1200616	-0416	SN	04	6,0	1/4"	M16X1.5	10	28,3	32,5	19,0
1203218	-0418	SN	04	6,0	1/4"	M18X1.5	12	28,8	35,0	22,0
1200648	-0516	SN	05	8,0	5/16"	M16X1.5	10	33,7	38,0	19,0
1200649	-0518	SN	05	8,0	5/16"	M18X1.5	12	32,2	40,0	22,0
1200676	-0618	SN	06	10,0	3/8"	M18X1.5	12	32,8	39,0	22,0
1200679	-0622	SN	06	10,0	3/8"	M22X1.5	15	35,8	38,5	27,0
1238173	-0818	TN	08	13,0	1/2"	M18X1.5	12	42,0	44,0	22,0
1200713	-0822	SN	08	13,0	1/2"	M22X1.5	15	39,8	40,5	27,0
1203154	-0826	SN	08	13,0	1/2"	M26X1.5	18	39,8	41,0	32,0
1201292	-1022	SN	10	16,0	5/8"	M22X1.5	15	51,4	47,0	27,0
1200740	-1026	SN	10	16,0	5/8"	M26X1.5	18	51,4	48,0	32,0
1200742	-1030	SN	10	16,0	5/8"	M30X2	22	52,4	49,0	36,0
1200767	-1230	SN	12	19,0	3/4"	M30X2	22	52,1	59,0	36,0
1216685	-1236	SN	12	19,0	3/4"	M36X2	28	60,0	63,0	41,0
1201391	-1636	SN	16	25,0	1"	M36X2	28	75,0	68,0	41,0
1216679	-2036	TN	20	32,0	1 1/4"	M36X2	28	92,2	86,0	41,0
1201393	-2045	SN	20	32,0	1 1/4"	M45X2	35	90,5	89,0	50,0
1201394	-2452	SN	24	38,0	1 1/2"	M52X2	42	106,5	100,0	60,0

// H1211210

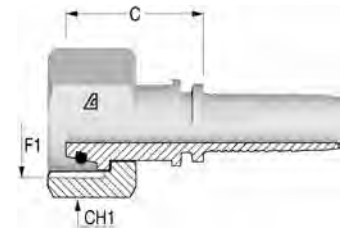
**Metric Male 24° Seat - Heavy
DIN 3853 - CES**



Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	CH mm
			Dash	mm	in				
1201828	-0414	NA	04	6,0	1/4"	M14X1.5	6	24,3	17,0
1200485	-0416	NA	04	6,0	1/4"	M16X1.5	8	24,3	17,0
1200477	-0418	NA	04	6,0	1/4"	M18X1.5	10	25,3	19,0
1200521	-0520	NA	05	8,0	5/16"	M20X1.5	12	25,3	22,0
1202267	-0618	NA	06	10,0	3/8"	M18X1.5	10	25,3	19,0
1200316	-0620	NA	06	10,0	3/8"	M20X1.5	12	25,3	22,0
1200319	-0622	NA	06	10,0	3/8"	M22X1.5	14	27,3	22,0
1221728	-0624	NA	06	10,0	3/8"	M24X1.5	16	28,1	24,0
1202564	-0822	NA	08	13,0	1/2"	M22X1.5	14	28,1	22,0
1200360	-0824	NA	08	13,0	1/2"	M24X1.5	16	29,1	24,0
1200364	-0830	NA	08	13,0	1/2"	M30X2	20	33,1	32,0
1200403	-1030	NA	10	16,0	5/8"	M30X2	20	33,1	32,0
1202526	-1230	NA	12	19,0	3/4"	M30X2	20	33,6	32,0
1200434	-1236	NA	12	19,0	3/4"	M36X2	25	37,6	36,0
1203151	-1636	NA	16	25,0	1"	M36X2	25	38,4	36,0
1201375	-1642	NA	16	25,0	1"	M42X2	30	42,4	46,0
1201376	-2052	NA	20	32,0	1 1/4"	M52X2	38	48,0	55,0

Dimensions shown may be changed without prior notice

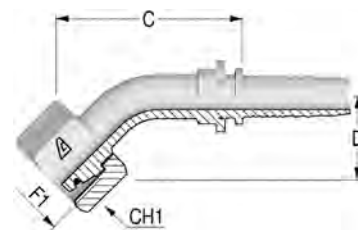
// H1221613

**Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS**

Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	CH1 mm
			Dash	mm	in				
1200596	-0316	SN	03	5,0	3/16"	M16X1.5	8	27,2	19,0
1201827	-0414	SN	04	6,0	1/4"	M14X1.5	6	26,4	17,0
1200615	-0416	SN	04	6,0	1/4"	M16X1.5	8	27,7	19,0
1200610	-0418	SN	04	6,0	1/4"	M18X1.5	10	27,6	22,0
1201061	-0420	SN	04	6,0	1/4"	M20X1.5	12	27,6	24,0
1201832	-0518	SN	05	8,0	5/16"	M18X1.5	10	27,6	22,0
1200644	-0520	SN	05	8,0	5/16"	M20X1.5	12	27,6	24,0
1239671	-0616	TN	06	10,0	3/8"	M16X1.5	8	23,2	19,0
1238179	-0618	TN	06	10,0	3/8"	M18X1.5	10	22,3	22,0
1200668	-0620	SN	06	10,0	3/8"	M20X1.5	12	27,6	24,0
1200669	-0622	SN	06	10,0	3/8"	M22X1.5	14	31,1	27,0
1202570	-0624	SN	06	10,0	3/8"	M24X1.5	16	30,9	30,0
1239650	-0820	TN	08	13,0	1/2"	M20X1.5	12	23,2	24,0
1218557	-0822	SN	08	13,0	1/2"	M22X1.5	14	31,9	27,0
1200708	-0824	SN	08	13,0	1/2"	M24X1.5	16	31,7	30,0
1200710	-0830	SN	08	13,0	1/2"	M30X2	20	36,5	36,0
1239651	-1024	TN	10	16,0	5/8"	M24X1.5	16	25,3	30,0
1200737	-1030	SN	10	16,0	5/8"	M30X2	20	36,5	36,0
1201732	-1230	SN	12	19,0	3/4"	M30X2	20	37,0	36,0
1216696	-1236	SN	12	19,0	3/4"	M36X2	25	40,2	41,0
1200763	-1236	SN	12	19,0	3/4"	M36X2	25	40,2	46,0
1239744	-1630	TN	16	25,0	1"	M30X2	20	29,8	36,0
1203099	-1636	SN	16	25,0	1"	M36X2	25	41,0	46,0
1201388	-1642	SN	16	25,0	1"	M42X2	30	43,1	50,0
1216693	-2042	SN	20	32,0	1 1/4"	M42X2	30	44,7	50,0
1201389	-2052	SN	20	32,0	1 1/4"	M52X2	38	48,1	60,0
1216695	-2452	SN	24	38,0	1 1/2"	M52X2	38	48,1	60,0

// H1221643

**45° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 45
Solid one piece**

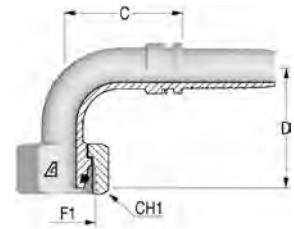


Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1216697	-0414	SN	04	6,0	1/4"	M14X1.5	6	47,0	20,0	17,0
1200613	-0416	SN	04	6,0	1/4"	M16X1.5	8	48,6	16,0	19,0
1200611	-0418	SN	04	6,0	1/4"	M18X1.5	10	43,5	19,0	22,0
1200647	-0520	SN	05	8,0	5/16"	M20X1.5	12	48,1	21,0	24,0
1226010	-0616	SN	06	10,0	3/8"	M16X1.5	8	50,6	21,0	19,0
1239968	-0618	TN	06	10,0	3/8"	M18X1.5	10	47,0	21,0	22,0
1200672	-0620	SN	06	10,0	3/8"	M20X1.5	12	50,6	20,0	24,0
1200673	-0622	SN	06	10,0	3/8"	M22X1.5	14	52,9	21,0	27,0
1200712	-0824	SN	08	13,0	1/2"	M24X1.5	16	55,8	21,5	30,0
1201300	-1030	SN	10	16,0	5/8"	M30X2	20	66,3	30,0	36,0
1202891	-1230	SN	12	19,0	3/4"	M30X2	20	66,1	29,0	36,0
1200765	-1236	SN	12	19,0	3/4"	M36X2	25	69,5	33,0	46,0
1203098	-1636	SN	16	25,0	1"	M36X2	25	89,7	36,0	46,0
1201395	-1642	SN	16	25,0	1"	M42X2	30	110,3	40,5	50,0
1201398	-2052	SN	20	32,0	1 1/4"	M52X2	38	109,0	45,0	60,0

Dimensions shown may be changed without prior notice

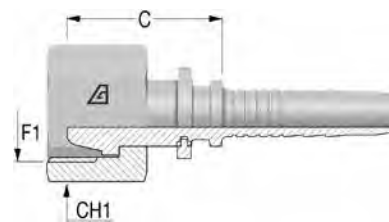
// H1221693

90° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 90
Solid one piece



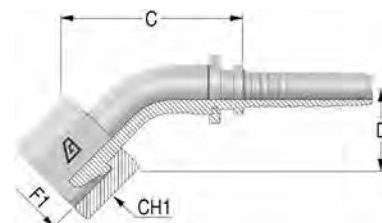
Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1201065	-0414	SN	04	6,0	1/4"	M14X1.5	6	27,3	33,0	17,0
1200619	-0416	SN	04	6,0	1/4"	M16X1.5	8	27,3	33,0	19,0
1200617	-0418	SN	04	6,0	1/4"	M18X1.5	10	26,8	34,0	22,0
1200650	-0520	SN	05	8,0	5/16"	M20X1.5	12	33,2	39,0	24,0
1239989	-0616	TN	06	10,0	3/8"	M16X1.5	8	33,0	38,0	19,0
1200677	-0620	SN	06	10,0	3/8"	M20X1.5	12	34,3	38,5	24,0
1200678	-0622	SN	06	10,0	3/8"	M22X1.5	14	34,3	40,5	27,0
1240110	-0820	TN	08	13,0	1/2"	M20X1.5	12	40,0	45,0	24,0
1200714	-0824	SN	08	13,0	1/2"	M24X1.5	16	39,8	41,5	30,0
1201253	-0830	SN	08	13,0	1/2"	M30X2	20	45,8	50,0	36,0
1240088	-1024	TN	10	16,0	5/8"	M24X1.5	16	52,0	56,0	30,0
1200741	-1030	SN	10	16,0	5/8"	M30X2	20	47,9	55,0	36,0
1200766	-1230	SN	12	19,0	3/4"	M30X2	20	50,6	58,0	36,0
1203097	-1636	SN	16	25,0	1"	M36X2	25	77,6	73,5	46,0
1201396	-1642	SN	16	25,0	1"	M42X2	30	75,6	79,0	50,0
1201397	-2052	SN	20	32,0	1 1/4"	M52X2	38	94,0	92,0	60,0

// H1221313
Universal Metric Female



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size			
1200631	-0414	SN	04	6,0	1/4"	14	M14X1.5	22,3	17,0
1200632	-0416	SN	04	6,0	1/4"	16	M16X1.5	21,8	19,0
1200633	-0418	SN	04	6,0	1/4"	18	M18X1.5	22,3	22,0
1200658	-0516	SN	05	8,0	5/16"	16	M16X1.5	22,3	19,0
1200659	-0518	SN	05	8,0	5/16"	18	M18X1.5	22,3	22,0
1200729	-0822	SN	08	13,0	1/2"	22	M22X1.5	24,7	27,0
1200753	-1026	SN	10	16,0	5/8"	26	M26X1.5	25,1	32,0

// H1221343
45° Universal Metric Female

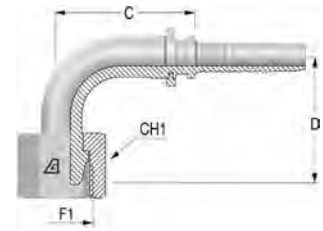


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1216669	-0414	SN	04	6,0	1/4"	14	M14X1.5	36,5	16,0	17,0
1225973	-1026	SN	10	16,0	5/8"	26	M26X1.5	54,0	22,0	32,0

Dimensions shown may be changed without prior notice

// H1221393

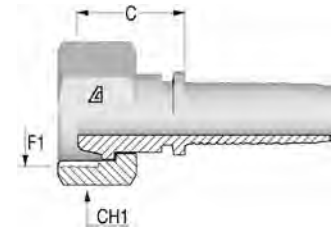
90° Universal Metric Female



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1225975	-0414	SN	04	6,0	1/4"	14	M14X1.5	29,9	28,5	17,0
1201452	-0416	SN	04	6,0	1/4"	16	M16X1.5	28,3	33,0	19,0
1200661	-0516	SN	05	8,0	5/16"	16	M16X1.5	34,2	36,0	19,0
1201323	-0518	SN	05	8,0	5/16"	18	M18X1.5	34,0	32,0	22,0
1201580	-0622	SN	06	10,0	3/8"	22	M22X1.5	32,3	36,0	27,0
1200730	-0822	SN	08	13,0	1/2"	22	M22X1.5	39,8	40,0	27,0
1216672	-1026	SN	10	16,0	5/8"	26	M26X1.5	51,0	46,0	32,0

// H1221013

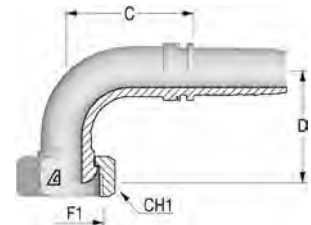
Metric Female 60° Cone - DIN 3863



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size			
1200759	-1230	SN	12	19,0	3/4"	30	M30X1.5	21,6	36,0
1201572	-1638	SN	16	25,0	1"	38	M38X1.5	28,0	46,0

// H1221093

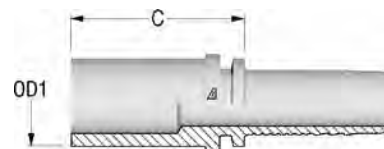
**90° Metric Female 60° Cone - DIN 3863
Solid one piece**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1202056	-1230	SN	12	19,0	3/4"	30	M30X1.5	54,6	47,0	36,0
1201620	-1638	SN	16	25,0	1"	38	M38X1.5	72,6	60,0	46,0

// H1252010

**Metric Straight Standpipe - DIN 2353
RSL/RSS**

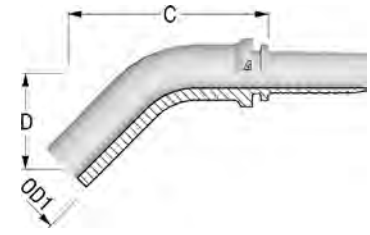


Item Code	Tail/Head	Dash	ID		OD1	C
	Dash/mm		mm	in		
1200855	-0306	03	5,0	3/16"	6	27,8
1200856	-0308	03	5,0	3/16"	8	29,8
1200865	-0406	04	6,0	1/4"	6	28,3
1200867	-0408	04	6,0	1/4"	8	30,2
1200859	-0410	04	6,0	1/4"	10	32,2
1200860	-0412	04	6,0	1/4"	12	31,2
1200878	-0508	05	8,0	5/16"	8	30,3
1200871	-0510	05	8,0	5/16"	10	30,2
1200872	-0512	05	8,0	5/16"	12	32,7
1200793	-0610	06	10,0	3/8"	10	30,3
1200794	-0612	06	10,0	3/8"	12	29,3
1200796	-0614	06	10,0	3/8"	14	35,8
1200797	-0615	06	10,0	3/8"	15	34,8
1216922	-0810	08	13,0	1/2"	10	32,5
1200809	-0812	08	13,0	1/2"	12	32,1
1200811	-0814	08	13,0	1/2"	14	36,1
1200812	-0815	08	13,0	1/2"	15	32,1
1200813	-0816	08	13,0	1/2"	16	37,1
1200815	-0818	08	13,0	1/2"	18	36,0
1200828	-1018	10	16,0	5/8"	18	34,2
1200829	-1020	10	16,0	5/8"	20	44,2
1200832	-1022	10	16,0	5/8"	22	37,2
1200838	-1220	12	19,0	3/4"	20	45,5
1200840	-1222	12	19,0	3/4"	22	36,5
1200841	-1225	12	19,0	3/4"	25	48,5
1201442	-1625	16	25,0	1"	25	51,4
1201440	-1628	16	25,0	1"	28	40,4
1201441	-1630	16	25,0	1"	30	54,4
1214227	-1638	16	25,0	1"	38	60,4
1214228	-2030	20	32,0	1 1/4"	30	56,0
1201443	-2035	20	32,0	1 1/4"	35	48,0
1201444	-2038	20	32,0	1 1/4"	38	62,0
1203082	-2438	24	38,0	1 1/2"	38	62,0
1201445	-2442	24	38,0	1 1/2"	42	52,0

Dimensions shown may be changed without prior notice

// H1252040

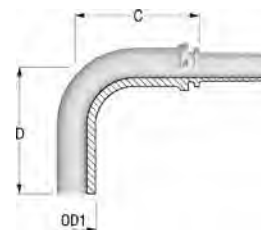
45° Metric Standpipe
RSL 45/RSS 45 - DIN 2353
Solid one piece



Item Code	Tail/Head	Dash	ID		OD1	C	D Drop
	Dash/mm		mm	in			
1200863	-0406	04	6,0	1/4"	6	50,1	28,0
1200864	-0408	04	6,0	1/4"	8	43,2	23,0
1200862	-0410	04	6,0	1/4"	10	48,0	24,0
1200876	-0510	05	8,0	5/16"	10	48,4	24,0
1200877	-0512	05	8,0	5/16"	12	55,4	28,0
1200800	-0610	06	10,0	3/8"	10	48,5	24,0
1200801	-0612	06	10,0	3/8"	12	55,5	28,0
1200802	-0614	06	10,0	3/8"	14	53,1	28,0
1200817	-0815	08	13,0	1/2"	15	62,6	28,5
1200818	-0816	08	13,0	1/2"	16	63,3	32,0
1200844	-1225	12	19,0	3/4"	25	83,0	44,0
1214232	-1630	16	25,0	1"	30	137,0	46,1

// H1252090

90° Metric Standpipe
RSL 90/RSS 90 - DIN 2353
Solid one piece

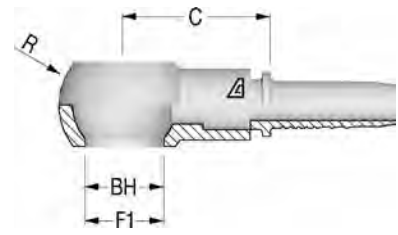


Item Code	Tail/Head	Dash	ID		OD1	C	D Drop
	Dash/mm		mm	in			
1200857	-0306	03	5,0	3/16"	6	24,5	36,0
1200869	-0406	04	6,0	1/4"	6	25,4	36,0
1200870	-0408	04	6,0	1/4"	8	25,9	44,0
1200868	-0410	04	6,0	1/4"	10	30,6	42,0
1202296	-0412	04	6,0	1/4"	12	34,9	50,0
1200879	-0510	05	8,0	5/16"	10	28,6	48,5
1200880	-0512	05	8,0	5/16"	12	39,4	55,0
1200803	-0610	06	10,0	3/8"	10	30,7	42,0
1200804	-0612	06	10,0	3/8"	14	35,0	50,0
1200805	-0614	06	10,0	3/8"	14	37,0	50,0
1218454	-0812	08	13,0	1/2"	12	41,1	52,0
1200822	-0815	08	13,0	1/2"	15	44,7	57,0
1200823	-0816	08	13,0	1/2"	16	43,7	64,0
1203079	-0818	08	13,0	1/2"	18	58,1	59,0
1200835	-1018	10	16,0	5/8"	18	52,2	58,0
1200836	-1020	10	16,0	5/8"	20	62,6	70,0
1210832	-1022	10	16,0	5/8"	22	49,4	64,0
1203081	-1220	12	19,0	3/4"	20	63,4	70,0
1200846	-1222	12	19,0	3/4"	22	53,1	67,5
1200847	-1225	12	19,0	3/4"	25	63,2	85,0
1214233	-1625	16	25,0	1"	25	73,1	98,5
1202886	-1628	16	25,0	1"	28	73,1	89,5
1214234	-1630	16	25,0	1"	30	73,1	102,5
1214235	-2035	20	32,0	1 1/4"	35	89,0	106,5

Dimensions shown may be changed without prior notice

// H1230910

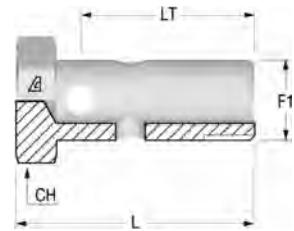
**Metric Banjo
RNM**



Item Code	Tail/Head	Dash	ID		F1	C	BH	R
	Dash		mm	in		mm	mm	mm
1202577	-0310	03	5,0	3/16"	M10X1.0	24,0	10,00	17
1200468	-0410	04	6,0	1/4"	M10X1.0	25,0	10,00	17
1200469	-0412	04	6,0	1/4"	M12X1.5	28,5	12,00	20
1200470	-0414	04	6,0	1/4"	M14X1.5	27,5	14,00	24
1200513	-0512	05	8,0	5/16"	M12X1.5	28,5	12,00	24
1200514	-0514	05	8,0	5/16"	M14X1.5	27,5	14,00	24
1200515	-0516	05	8,0	5/16"	M16X1.5	30,5	16,00	28
1200516	-0518	05	8,0	5/16"	M18X1.5	28,5	18,00	32
1200309	-0614	06	10,0	3/8"	M14X1.5	27,5	14,00	24
1200310	-0616	06	10,0	3/8"	M16X1.5	30,5	16,00	28
1200311	-0618	06	10,0	3/8"	M18X1.5	31,5	18,00	32
1200346	-0818	08	13,0	1/2"	M18X1.5	32,0	18,00	32
1200347	-0822	08	13,0	1/2"	M22X1.5	35,0	22,00	39
1200389	-1022	10	16,0	5/8"	M22X1.5	35,0	22,00	39
1200422	-1226	12	19,0	3/4"	M26X1.5	38,5	26,00	46
1203083	-1630	16	25,0	1"	M30X1.5	42,5	30,00	54

// H10V0810

Metric Bolt

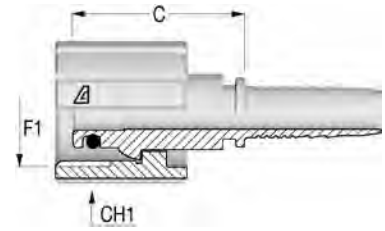


Item Code	ID	F1	LT	L	CH
	Dash		mm	mm	mm
1210405	30	M30X1.5	51,0	62,0	38,0
1210406	26	M26X1.5	42,0	52,0	32,0
1210371	22	M22X1.5	41,0	48,0	27,0
1210384	16	M16X1.5	34,0	41,0	22,0
1210374	10	M10X1.0	19,0	24,0	14,0
1210375	12	M12X1.5	24,0	29,0	17,0
1210368	14	M14X1.5	28,0	34,0	19,0
1210369	18	M18X1.5	37,0	44,0	24,0

// PRESSURE WASHER

// H1224914

Universal Female for Pressure Washer



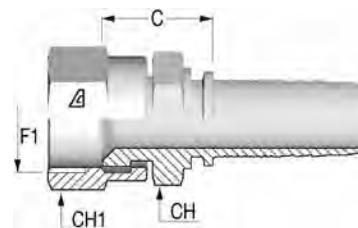
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size			
1203350	-0422	TN	04	6,0	1/4"	22	M22X1.5	36,8	35,0
1203351	-0522	TN	05	8,0	5/16"	22	M22X1.5	36,8	35,0
1203352	-0622	TN	06	10,0	3/8"	22	M22X1.5	36,8	35,0

Dimensions shown may be changed without prior notice

// SAE INSERTS

// H1226611

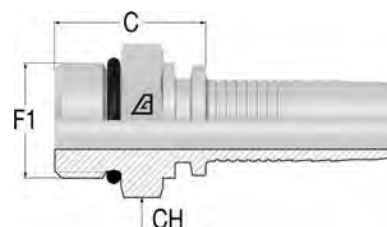
SAE Female Swivel 45° Seat



Item Code	Tail/Head Dash	Nut Type	ID			F1 Dash Size	F1	C	CH	CH1
			Dash	mm	in					
1202661	-0606	CR	06	10,0	3/8"	06	5/8-18	23,3	19,0	22,0
1202371	-1212	CR	12	19,0	3/4"	12	1 1/16-14	28,6	27,0	32,0

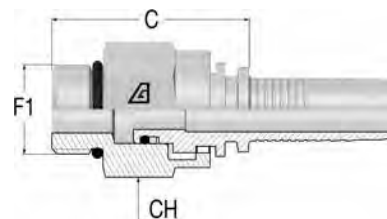
// H1213010

SAE Male Solid O-Ring Boss



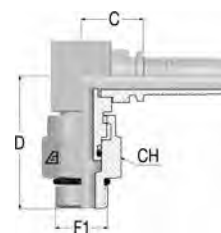
Item Code	Tail/Head Dash	Nut Type	ID			F1 Dash Size	F1	C	CH
			Dash	mm	in				
1203147	-0404	NA	04	6,0	1/4"	04	7/16-20	20,3	14,0
1201833	-0405	NA	04	6,0	1/4"	05	1/2-20	21,3	16,0
1202519	-0406	NA	04	6,0	1/4"	06	9/16-18	22,3	17,0
1201834	-0606	NA	06	10,0	3/8"	06	9/16-18	23,3	19,0
1200337	-0608	NA	06	10,0	3/8"	08	3/4-16	24,3	22,0
1200338	-0610	NA	06	10,0	3/8"	10	7/8-14	26,8	27,0
1200382	-0808	NA	08	13,0	1/2"	08	3/4-16	25,1	22,0
1200383	-0810	NA	08	13,0	1/2"	10	7/8-14	27,6	27,0
1200381	-0812	NA	08	13,0	1/2"	12	1 1/16-12	32,1	32,0
1221652	-1010	NA	10	16,0	5/8"	10	7/8-14	27,6	24,0
1200445	-1212	NA	12	19,0	3/4"	12	1 1/16-12	32,6	32,0
1201836	-1616	NA	16	25,0	1"	16	1 5/16-12	35,4	38,0

// H1213011
SAE Male Swivel
O-Ring Boss



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1225927	-0606	CR	06	10,0	3/8"	06	9/16-18	40,5	22,0
1225928	-0608	CR	06	10,0	3/8"	08	3/4-16	22,0	22,0
1225929	-0808	CR	08	13,0	1/2"	08	3/4-16	23,0	25,0
1225930	-0810	CR	08	13,0	1/2"	10	7/8-14	23,0	25,0
1230553	-1212	CR	12	19,0	3/4"	12	1 1/16-12	49,6	32,0

// H1213081
90° Compact SAE Male Swivel
O-Ring Boss

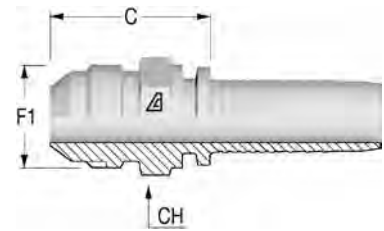


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH
	Dash		Dash	mm	in	Dash Size				
1226490	-0405	CR	04	6,0	1/4"	05	1/2-20	17,0	34,0	17,0
1225933	-0608	CR	06	10,0	3/8"	08	3/4-16	22,0	44,0	25,0
1225934	-0808	CR	08	13,0	1/2"	08	3/4-16	23,0	47,0	25,0
1225935	-0810	CR	08	13,0	1/2"	10	7/8-14	23,0	49,0	25,0
1226492	-1212	CR	12	19,0	3/4"	12	1 1/16-12	27,0	61,0	32,0
1240593	-1616	CR	16	25,0	1"	16	1 5/16-12	34,4	67,5	41,0

Dimensions shown may be changed without prior notice

// JIC 37° INSERTS

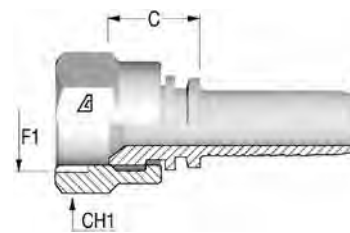
// H1212510

JIC Male 37° Cone
AGJ

Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1200457	-0304	NA	03	5,0	3/16"	04	7/16-20	23,8	12,0
1200500	-0404	NA	04	6,0	1/4"	04	7/16-20	25,3	12,0
1200499	-0405	NA	04	6,0	1/4"	05	1/2-20	25,3	14,0
1200501	-0406	NA	04	6,0	1/4"	06	9/16-18	26,3	17,0
1200534	-0505	NA	05	8,0	5/16"	05	1/2-20	25,3	14,0
1200535	-0506	NA	05	8,0	5/16"	06	9/16-18	26,3	17,0
1201087	-0508	NA	05	8,0	5/16"	08	3/4-16	29,8	19,0
1200332	-0606	NA	06	10,0	3/8"	06	9/16-18	26,3	17,0
1200330	-0608	NA	06	10,0	3/8"	08	3/4-16	29,8	19,0
1200331	-0610	NA	06	10,0	3/8"	10	7/8-14	33,8	24,0
1200375	-0808	NA	08	13,0	1/2"	08	3/4-16	30,6	19,0
1200376	-0810	NA	08	13,0	1/2"	10	7/8-14	34,6	24,0
1200374	-0812	NA	08	13,0	1/2"	12	1 1/16-12	37,1	27,0
1200413	-1010	NA	10	16,0	5/8"	10	7/8-14	34,6	24,0
1200411	-1012	NA	10	16,0	5/8"	12	1 1/16-12	37,1	27,0
1200441	-1212	NA	12	19,0	3/4"	12	1 1/16-12	37,6	27,0
1200442	-1214	NA	12	19,0	3/4"	14	1 3/16-12	40,1	32,0
1200443	-1216	NA	12	19,0	3/4"	16	1 5/16-12	42,6	36,0
1222989	-1612	NA	16	25,0	1"	12	1 1/16-12	40,4	32,0
1201379	-1616	NA	16	25,0	1"	16	1 5/16-12	43,4	36,0
1201380	-1620	NA	16	25,0	1"	20	1 5/8-12	46,9	46,0
1201381	-2020	NA	20	32,0	1 1/4"	20	1 5/8-12	48,5	46,0
1201785	-2024	NA	20	32,0	1 1/4"	24	1 7/8-12	52,5	50,0
1201382	-2424	NA	24	38,0	1 1/2"	24	1 7/8-12	52,5	50,0
1201383	-3232	NA	32	51,0	2"	32	2 1/2-12	62,0	65,0

// H1222511

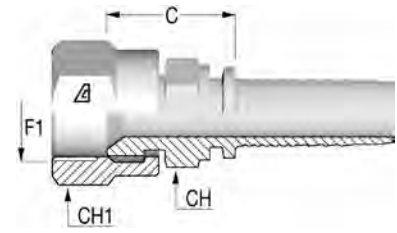
JIC Female 37° Seat
DKJ



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size			
1200600	-0304	CR	03	5,0	3/16"	04	7/16-20	14,3	16,0
1200625	-0404	CR	04	6,0	1/4"	04	7/16-20	14,6	16,0
1200623	-0405	CR	04	6,0	1/4"	05	1/2-20	15,3	17,0
1200626	-0406	CR	04	6,0	1/4"	06	9/16-18	15,3	19,0
1200655	-0505	CR	05	8,0	5/16"	05	1/2-20	15,3	17,0
1200656	-0506	CR	05	8,0	5/16"	06	9/16-18	15,3	19,0
1200691	-0606	CR	06	10,0	3/8"	06	9/16-18	15,3	19,0
1200687	-0608	CR	06	10,0	3/8"	08	3/4-16	17,8	25,0
1200690	-0610	CR	06	10,0	3/8"	10	7/8-14	20,3	27,0
1200723	-0808	CR	08	13,0	1/2"	08	3/4-16	18,6	25,0
1200725	-0810	CR	08	13,0	1/2"	10	7/8-14	19,6	27,0
1200722	-0812	CR	08	13,0	1/2"	12	1 1/16-12	22,1	32,0
1200751	-1010	CR	10	16,0	5/8"	10	7/8-14	19,6	27,0
1200749	-1012	CR	10	16,0	5/8"	12	1 1/16-12	20,1	32,0
1201841	-1210	CR	12	19,0	3/4"	10	7/8-14	20,1	27,0
1200774	-1212	CR	12	19,0	3/4"	12	1 1/16-12	20,6	32,0
1200775	-1214	CR	12	19,0	3/4"	14	1 3/16-12	19,9	36,0
1200776	-1216	CR	12	19,0	3/4"	16	1 5/16-12	22,1	38,0
1201399	-1612	CR	16	25,0	1"	12	1 1/16-12	22,4	32,0
1201400	-1616	CR	16	25,0	1"	16	1 5/16-12	23,9	38,0
1201401	-1620	TN	16	25,0	1"	20	1 5/8-12	26,5	50,0
1202820	-2016	CR	20	32,0	1 1/4"	16	1 5/16-12	26,5	38,0
1201402	-2020	TN	20	32,0	1 1/4"	20	1 5/8-12	28,1	50,0
1201403	-2024	TN	20	32,0	1 1/4"	24	1 7/8-12	30,4	55,0
1201097	-2424	TN	24	38,0	1 1/2"	24	1 7/8-12	29,4	55,0

Dimensions shown may be changed without prior notice

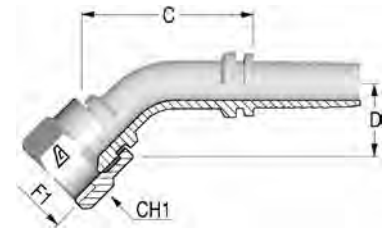
// H1226511

**JIC Female 37° Seat with Stem Hexagon
DKJ**

Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1200599	-0304	CR	03	5,0	3/16"	04	7/16-20	18,1	12,0	16,0
1200621	-0404	CR	04	6,0	1/4"	04	7/16-20	19,6	14,0	16,0
1202406	-0405	CR	04	6,0	1/4"	05	1/2-20	20,3	14,0	17,0
1200622	-0406	CR	04	6,0	1/4"	06	9/16-18	20,3	14,0	19,0
1201497	-0505	CR	05	8,0	5/16"	05	1/2-20	20,3	14,0	17,0
1201264	-0506	CR	05	8,0	5/16"	06	9/16-18	20,3	14,0	19,0
1203246	-0604	CR	06	10,0	3/8"	04	7/16-20	20,6	17,0	16,0
1223146	-0605	CR	06	10,0	3/8"	05	1/2-20	21,3	16,0	17,0
1200685	-0608	CR	06	10,0	3/8"	08	3/4-16	24,8	19,0	25,0
1201340	-0610	CR	06	10,0	3/8"	10	7/8-14	25,8	22,0	27,0
1200720	-0808	CR	08	13,0	1/2"	08	3/4-16	25,6	19,0	25,0
1200721	-0810	CR	08	13,0	1/2"	10	7/8-14	26,6	22,0	27,0
1203329	-1008	CR	10	16,0	5/8"	08	3/4-16	26,6	24,0	25,0
1201728	-1010	CR	10	16,0	5/8"	10	7/8-14	27,6	24,0	27,0
1201464	-1012	CR	10	16,0	5/8"	12	1 1/16-12	28,1	25,0	32,0
1214219	-1214	CR	12	19,0	3/4"	14	1 3/16-12	29,9	32,0	36,0
1203089	-1216	CR	12	19,0	3/4"	16	1 5/16-12	32,1	32,0	38,0
1203243	-1416	CR	14	22,0	7/8"	16	1 5/16-12	32,1	32,0	38,0
1203088	-1612	CR	16	25,0	1"	12	1 1/16-12	31,4	32,0	32,0
1214220	-1620	TN	16	25,0	1"	20	1 5/8-12	37,5	41,0	50,0
1216813	-1820	TN	-	29,0	1 1/8"	20	1 5/8-12	37,5	41,0	50,0
1216812	-2016	CR	20	32,0	1 1/4"	16	1 5/16-12	37,5	41,0	38,0
1202483	-2020	TN	20	32,0	1 1/4"	20	1 5/8-12	39,1	41,0	50,0
1226093	-2024	TN	20	32,0	1 1/4"	24	1 7/8-12	43,4	50,0	55,0
1216814	-2224	TN	-	35,0	1 3/8"	24	1 7/8-12	43,4	50,0	55,0
1216815	-2424	TN	24	38,0	1 1/2"	24	1 7/8-12	43,4	50,0	55,0
1216816	-3232	TN	32	51,0	2"	32	2 1/2-12	49,0	65,0	70,0

// H1222541-M

**45° JIC Female 37° Seat - Medium Drop
DKJ 45M
Solid one piece**



Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
1202821	-0304	CR	03	5,0	3/16"	04	7/16-20	37,1	10,0	16,0	
1202822	-0404	CR	04	6,0	1/4"	04	7/16-20	36,6	10,0	16,0	
1202823	-0405	CR	04	6,0	1/4"	05	1/2-20	37,2	12,0	17,0	
1202824	-0406	CR	04	6,0	1/4"	06	9/16-18	39,4	11,0	19,0	
1202825	-0505	CR	05	8,0	5/16"	05	1/2-20	39,8	12,0	17,0	
1202826	-0506	CR	05	8,0	5/16"	06	9/16-18	42,8	12,0	19,0	
1202827	-0606	CR	06	10,0	3/8"	06	9/16-18	46,3	11,0	19,0	
1202791	-0608	CR	06	10,0	3/8"	08	3/4-16	47,2	15,0	25,0	
1202829	-0810	CR	08	13,0	1/2"	10	7/8-14	50,7	16,0	27,0	
1202830	-0812	CR	08	13,0	1/2"	12	1 1/16-12	57,0	21,0	32,0	
1202832	-1010	CR	10	16,0	5/8"	10	7/8-14	62,2	19,0	27,0	
1202831	-1012	CR	10	16,0	5/8"	12	1 1/16-12	68,6	21,0	32,0	
1202833	-1212	CR	12	19,0	3/4"	12	1 1/16-12	67,5	21,0	32,0	
1200778	-1214	CR	12	19,0	3/4"	14	1 3/16-12	67,6	23,0	36,0	
1202834	-1216	CR	12	19,0	3/4"	16	1 5/16-12	71,4	26,0	38,0	
1202835	-1616	CR	16	25,0	1"	16	1 5/16-12	79,4	24,0	38,0	
1202836	-1620	TN	16	25,0	1"	20	1 5/8-12	83,8	37,0	50,0	
1202837	-2020	TN	20	32,0	1 1/4"	20	1 5/8-12	97,1	37,0	50,0	
1202839	-2424	TN	24	38,0	1 1/2"	24	1 7/8-12	112,7	43,0	55,0	
1202840	-3232	TN	32	51,0	2"	32	2 1/2-12	159,9	67,0	70,0	

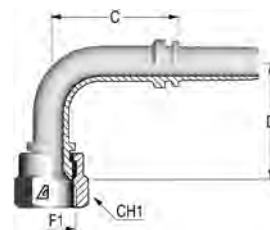
Dimensions shown may be changed without prior notice

// H1222591-S

90° JIC Female 37° Seat - Short Drop

DKJ 90S

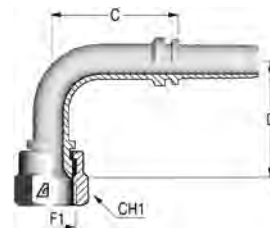
Solid one piece



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1202841	-0304	CR	03	5,0	3/16"	04	7/16-20	26,7	21,0	16,0
1202772	-0404	CR	04	6,0	1/4"	04	7/16-20	27,0	21,0	16,0
1203118	-0405	CR	04	6,0	1/4"	05	1/2-20	26,5	23,5	17,0
1202788	-0406	CR	04	6,0	1/4"	06	9/16-18	31,0	23,0	19,0
1203116	-0506	CR	05	8,0	5/16"	06	9/16-18	42,7	23,0	19,0
1216771	-0605	CR	06	10,0	3/8"	05	1/2-20	33,3	25,0	17,0
1203032	-0606	CR	06	10,0	3/8"	06	9/16-18	42,3	25,0	19,0
1203033	-0608	CR	06	10,0	3/8"	08	3/4-16	48,8	29,0	25,0
1202815	-0810	CR	08	13,0	1/2"	10	7/8-14	45,8	32,0	27,0
1202744	-0812	CR	08	13,0	1/2"	12	1 1/16-12	37,3	46,0	32,0
1203035	-1010	CR	10	16,0	5/8"	10	7/8-14	36,5	32,0	27,0
1202745	-1012	CR	10	16,0	5/8"	12	1 1/16-12	47,9	48,0	32,0
1202845	-1212	CR	12	19,0	3/4"	12	1 1/16-12	58,2	46,0	32,0
1200780	-1214	CR	12	19,0	3/4"	14	1 3/16-12	49,6	52,5	36,0
1202846	-1216	CR	12	19,0	3/4"	16	1 5/16-12	53,6	53,0	38,0
1203036	-1616	CR	16	25,0	1"	16	1 5/16-12	74,0	56,0	38,0

// H1222591-M

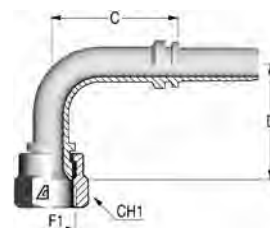
**90° JIC Female 37° Seat - Medium Drop
DKJ 90M
Solid one piece**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1202792	-0304	CR	03	5,0	3/16"	04	7/16-20	33,5	32,0	16,0
1202739	-0404	CR	04	6,0	1/4"	04	7/16-20	34,2	32,0	16,0
1202740	-0405	CR	04	6,0	1/4"	05	1/2-20	25,7	30,0	17,0
1202793	-0406	CR	04	6,0	1/4"	06	9/16-18	28,5	38,0	19,0
1202794	-0505	CR	05	8,0	5/16"	05	1/2-20	34,2	32,0	17,0
1202731	-0506	CR	05	8,0	5/16"	06	9/16-18	33,2	35,0	19,0
1202742	-0606	CR	06	10,0	3/8"	06	9/16-18	31,3	35,0	19,0
1200693	-0610	CR	06	10,0	3/8"	10	7/8-14	44,6	47,0	27,0
1202743	-0808	CR	08	13,0	1/2"	08	3/4-16	37,2	40,0	25,0
1202741	-0810	CR	08	13,0	1/2"	10	7/8-14	43,3	47,0	27,0
1202844	-1010	CR	10	16,0	5/8"	10	7/8-14	49,4	48,0	27,0
1202746	-1212	CR	12	19,0	3/4"	12	1 1/16-12	52,4	54,0	32,0
1216780	-1216	CR	12	19,0	3/4"	16	1 5/16-12	52,6	72,0	38,0
1202847	-1616	CR	16	25,0	1"	16	1 5/16-12	72,6	71,5	38,0
1202848	-1620	TN	16	25,0	1"	20	1 5/8-12	72,6	78,0	50,0
1202849	-2020	TN	20	32,0	1 1/4"	20	1 5/8-12	82,4	78,0	50,0
1202850	-2024	TN	20	32,0	1 1/4"	24	1 7/8-12	87,3	82,0	55,0
1202851	-2424	TN	24	38,0	1 1/2"	24	1 7/8-12	95,3	92,0	55,0
1202852	-3232	TN	32	51,0	2"	32	2 1/2-12	129,5	140,0	70,0

// H1222591-L

**90° JIC Female 37° Seat - Long Drop
DKJ 90L
Solid one piece**

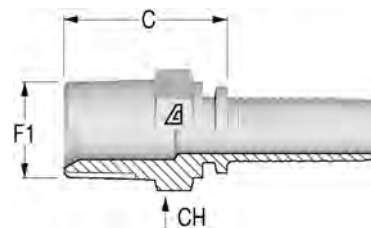


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1203131	-0404	CR	04	6,0	1/4"	04	7/16-20	30,8	46,0	16,0
1214215	-0405	CR	04	6,0	1/4"	05	1/2-20	31,3	45,0	17,0
1214216	-0808	CR	08	13,0	1/2"	08	3/4-16	49,9	64,0	25,0
1202843	-0810	CR	08	13,0	1/2"	10	7/8-14	37,3	65,0	27,0
1203114	-1010	CR	10	16,0	5/8"	10	7/8-14	49,9	65,0	27,0
1203112	-1212	CR	12	19,0	3/4"	12	1 1/16-12	54,1	95,0	32,0
1203111	-1616	CR	16	25,0	1"	16	1 5/16-12	78,6	114,0	38,0

Dimensions shown may be changed without prior notice

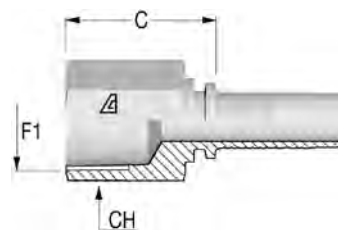
// NPTF INSERTS

// H1212810

NPTF Male 60° Seat
AGN

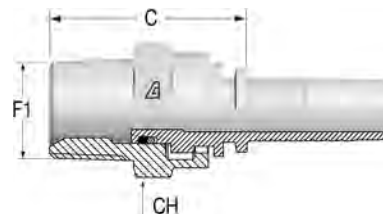
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1200448	-0302	NA	03	5,0	3/16"	02	1/8-27	20,8	12,0
1200466	-0402	NA	04	6,0	1/4"	02	1/8-27	21,3	14,0
1200467	-0406	NA	04	6,0	1/4"	06	3/8-18	27,8	19,0
1203150	-0408	NA	04	6,0	1/4"	08	1/2-14	31,3	22,0
1200511	-0504	NA	05	8,0	5/16"	04	1/4-18	26,8	17,0
1200512	-0506	NA	05	8,0	5/16"	06	3/8-18	27,8	19,0
1200307	-0604	NA	06	10,0	3/8"	04	1/4-18	26,8	17,0
1200308	-0606	NA	06	10,0	3/8"	06	3/8-18	27,8	19,0
1200306	-0608	NA	06	10,0	3/8"	08	1/2-14	31,3	22,0
1200345	-0806	NA	08	13,0	1/2"	06	3/8-18	28,6	19,0
1200343	-0808	NA	08	13,0	1/2"	08	1/2-14	32,1	22,0
1200344	-0812	NA	08	13,0	1/2"	12	3/4-14	34,1	27,0
1200387	-1008	NA	10	16,0	5/8"	08	1/2-14	33,1	24,0
1200388	-1012	NA	10	16,0	5/8"	12	3/4-14	34,1	27,0
1203149	-1208	NA	12	19,0	3/4"	08	1/2-14	33,6	27,0
1200421	-1212	NA	12	19,0	3/4"	12	3/4-14	34,6	27,0
1200420	-1216	NA	12	19,0	3/4"	16	1-11 1/2	43,6	36,0
1216610	-1416	NA	14	22,0	7/8"	16	1-11 1/2	43,6	36,0
1202282	-1612	NA	16	25,0	1"	12	3/4-14	39,4	36,0
1201366	-1616	NA	16	25,0	1"	16	1-11 1/2	44,4	36,0
1201367	-1620	NA	16	25,0	1"	20	1 1/4-11 1/2	47,4	46,0
1216612	-2224	NA	-	35,0	1 3/8"	24	1 1/2-11 1/2	50,5	50,0
1201369	-2424	NA	24	38,0	1 1/2"	24	1 1/2-11 1/2	50,5	50,0
1216613	-2932	NA	29	46,0	1 13/16"	32	2-11 1/2	54,2	65,0
1201370	-3232	NA	32	51,0	2"	32	2-11 1/2	54,2	65,0

// H1222810
NPTF Female Solid



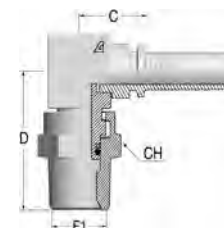
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1216794	-0402	NA	04	6,0	1/4"	02	1/8-27	22,3	14,0
1200464	-0404	NA	04	6,0	1/4"	04	1/4-18	27,8	19,0
1216796	-1212	NA	12	19,0	3/4"	12	3/4-14	38,1	32,0
1216797	-1616	NA	16	25,0	1"	16	1-11 1/2	44,9	38,0

// H1212811
NPTF Male Swivel 60° Seat



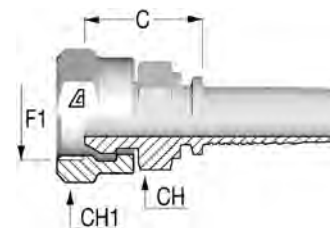
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1216614	-0404	CR	04	6,0	1/4"	04	1/4-18	37,6	17,0
1216615	-0406	CR	04	6,0	1/4"	06	3/8-18	39,5	22,0
1216616	-0604	CR	06	10,0	3/8"	04	1/4-18	39,6	17,0
1214186	-0606	CR	06	10,0	3/8"	06	3/8-18	37,5	22,0
1216617	-0608	CR	06	10,0	3/8"	08	1/2-14	43,5	25,0
1216619	-0806	CR	08	13,0	1/2"	06	3/8-18	38,3	22,0
1214187	-0808	CR	08	13,0	1/2"	08	1/2-14	42,3	25,0
1216620	-1212	CR	12	19,0	3/4"	12	3/4-14	50,1	32,0
1216621	-1616	CR	16	25,0	1"	16	1-11 1/2	57,9	41,0

// H1212881
90° Compact NPTF Male Swivel 60° Seat



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH
	Dash		Dash	mm	in	Dash Size				
1225918	-0404	CR	04	6,0	1/4"	04	1/4-18	17,0	39,0	17,0
1225920	-0606	CR	06	10,0	3/8"	06	3/8-18	20,0	41,0	22,0
1225921	-0808	CR	08	13,0	1/2"	08	1/2-14	23,0	48,0	25,0
1225922	-1212	CR	12	19,0	3/4"	12	3/4-14	27,0	61,0	32,0

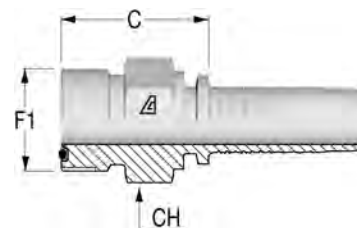
Dimensions shown may be changed without prior notice

// NPSM INSERTS**// H1227311
NPSM Female**

Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1203280	-0404	CR	04	6,0	1/4"	04	1/4-18	24,3	17,0	19,0
1216834	-0606	CR	06	10,0	3/8"	06	3/8-18	24,8	19,0	22,0
1202084	-0808	CR	08	13,0	1/2"	08	1/2-14	26,6	22,0	27,0
1216835	-1212	CR	12	19,0	3/4"	12	3/4-14	28,6	30,0	32,0
1216836	-1616	CR	16	25,0	1"	16	1-11 1/2	35,4	36,0	38,0

// ORFS INSERTS

// H1212410 ORFS Male

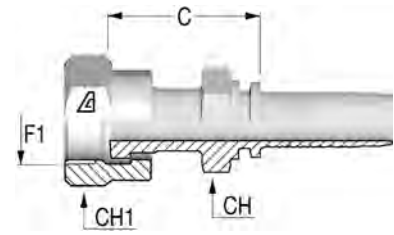


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size		mm	mm
1202488	-0404	NA	04	6,0	1/4"	04	9/16-18	22,3	17,0
1202489	-0406	NA	04	6,0	1/4"	06	11/16-16	24,3	19,0
1214185	-0506	NA	05	8,0	5/16"	06	11/16-16	24,3	19,0
1202490	-0606	NA	06	10,0	3/8"	06	11/16-16	24,3	19,0
1202491	-0608	NA	06	10,0	3/8"	08	13/16-16	26,3	22,0
1202055	-0610	NA	06	10,0	3/8"	10	1-14	29,8	27,0
1202492	-0808	NA	08	13,0	1/2"	08	13/16-16	27,1	22,0
1202054	-0810	NA	08	13,0	1/2"	10	1-14	30,6	27,0
1202493	-0812	NA	08	13,0	1/2"	12	1 3/16-12	34,1	32,0
1202892	-1010	NA	10	16,0	5/8"	10	1-14	30,6	27,0
1202494	-1012	NA	10	16,0	5/8"	12	1 3/16-12	34,1	32,0
1202495	-1210	NA	12	19,0	3/4"	10	1-14	31,1	27,0
1202496	-1212	NA	12	19,0	3/4"	12	1 3/16-12	34,6	32,0
1202497	-1216	NA	12	19,0	3/4"	16	1 7/16-12	38,1	41,0
1202498	-1616	NA	16	25,0	1"	16	1 7/16-12	37,9	38,0
1202499	-1620	NA	16	25,0	1"	20	1 11/16-12	39,9	46,0
1202500	-2020	NA	20	32,0	1 1/4"	20	1 11/16-12	41,5	46,0

Dimensions shown may be changed without prior notice

// H1222411

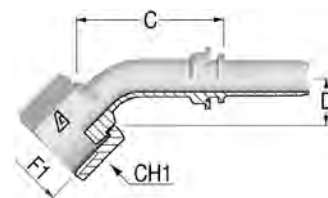
ORFS Female with Stem Hexagon



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1203220	-0304	CR	03	5,0	3/16"	04	9/16-18	26,8	14,0	17,0
1201586	-0404	CR	04	6,0	1/4"	04	9/16-18	27,3	14,0	17,0
1201855	-0406	CR	04	6,0	1/4"	06	11/16-16	30,3	17,0	22,0
1203143	-0408	CR	04	6,0	1/4"	08	13/16-16	35,3	22,0	24,0
1201741	-0506	CR	05	8,0	5/16"	06	11/16-16	30,3	17,0	22,0
1203237	-0604	CR	06	10,0	3/8"	04	9/16-18	28,3	17,0	17,0
1202369	-0606	CR	06	10,0	3/8"	06	11/16-16	30,3	17,0	22,0
1201339	-0608	CR	06	10,0	3/8"	08	13/16-16	35,3	22,0	24,0
1202563	-0806	CR	08	13,0	1/2"	06	11/16-16	32,1	19,0	22,0
1201338	-0808	CR	08	13,0	1/2"	08	13/16-16	36,1	22,0	24,0
1202052	-0810	CR	08	13,0	1/2"	10	1-14	39,6	24,0	30,0
1203053	-0812	CR	08	13,0	1/2"	12	1 3/16-12	42,1	30,0	36,0
1203061	-1008	CR	10	16,0	5/8"	08	13/16-16	37,1	24,0	24,0
1202612	-1010	CR	10	16,0	5/8"	10	1-14	39,6	24,0	30,0
1201815	-1012	CR	10	16,0	5/8"	12	1 3/16-12	42,1	30,0	36,0
1201782	-1210	CR	12	19,0	3/4"	10	1-14	40,1	27,0	30,0
1202560	-1212	CR	12	19,0	3/4"	12	1 3/16-12	42,6	30,0	36,0
1202053	-1216	CR	12	19,0	3/4"	16	1 7/16-12	48,6	36,0	41,0
1201446	-1616	CR	16	25,0	1"	16	1 7/16-12	49,4	36,0	41,0
1203056	-1620	CR	16	25,0	1"	20	1 11/16-12	50,4	41,0	50,0
1201447	-2020	CR	20	32,0	1 1/4"	20	1 11/16-12	52,0	41,0	50,0
1226017	-2024	CR	20	32,0	1 1/4"	24	2-12	56,5	50,0	60,0
1202046	-2424	CR	24	38,0	1 1/2"	24	2-12	56,5	50,0	60,0

// H1222443-M

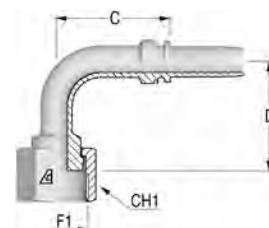
45° ORFS Female - Medium Drop
DK ORFS 45M
Solid one piece



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1202774	-0404	SN	04	6,0	1/4"	04	9/16-18	41,1	11,0	17,0
1202775	-0406	SN	04	6,0	1/4"	06	11/16-16	46,1	11,0	22,0
1202871	-0506	SN	05	8,0	5/16"	06	11/16-16	46,3	12,0	22,0
1202776	-0606	SN	06	10,0	3/8"	06	11/16-16	47,4	12,0	22,0
1202777	-0608	SN	06	10,0	3/8"	08	13/16-16	51,2	15,0	24,0
1202854	-0808	CR	08	13,0	1/2"	08	13/16-16	47,1	16,0	24,0
1202771	-0810	SN	08	13,0	1/2"	10	1-14	50,4	16,5	30,0
1202819	-1010	SN	10	16,0	5/8"	10	1-14	57,7	17,0	30,0
1202853	-1012	SN	10	16,0	5/8"	12	1 3/16-12	63,1	21,0	36,0
1203060	-1210	CR	12	19,0	3/4"	10	1-14	51,4	24,0	30,0
1202872	-1212	SN	12	19,0	3/4"	12	1 3/16-12	63,5	21,0	36,0
1202915	-1216	SN	12	19,0	3/4"	16	1 7/16-12	70,7	24,0	41,0
1202797	-1616	SN	16	25,0	1"	16	1 7/16-12	82,4	26,0	41,0
1203141	-1620	SN	16	25,0	1"	20	1 11/16-12	85,4	26,0	50,0
1202873	-2020	SN	20	32,0	1 1/4"	20	1 11/16-12	97,4	26,0	50,0

// H1222493-S

90° ORFS Female - Short Drop
DK ORFS 90S
Solid one piece

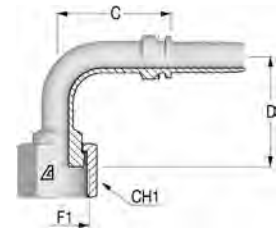


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1202778	-0404	SN	04	6,0	1/4"	04	9/16-18	28,5	21,0	17,0
1202856	-0406	SN	04	6,0	1/4"	06	11/16-16	32,0	23,0	22,0
1202857	-0506	SN	05	8,0	5/16"	06	11/16-16	49,3	23,0	22,0
1202858	-0606	SN	06	10,0	3/8"	06	11/16-16	41,8	25,0	22,0
1202859	-0608	SN	06	10,0	3/8"	08	13/16-16	41,8	29,0	24,0
1203392	-0806	CR	08	13,0	1/2"	06	11/16-16	44,1	25,0	22,0
1202855	-0808	CR	08	13,0	1/2"	08	13/16-16	39,8	29,0	24,0
1203054	-0810	SN	08	13,0	1/2"	10	1-14	46,3	32,5	30,0
1203334	-0812	SN	08	13,0	1/2"	12	1 3/16-12	56,3	51,0	36,0
1202860	-1010	SN	10	16,0	5/8"	10	1-14	52,3	32,5	30,0
1202861	-1012	SN	10	16,0	5/8"	12	1 3/16-12	55,4	49,0	36,0
1202862	-1212	SN	12	19,0	3/4"	12	1 3/16-12	60,6	51,0	36,0
1203055	-1216	SN	12	19,0	3/4"	16	1 7/16-12	61,6	56,0	41,0
1203209	-1612	CR	16	25,0	1"	12	1 3/16-12	54,6	51,0	36,0
1202863	-1616	SN	16	25,0	1"	16	1 7/16-12	80,0	58,0	41,0
1203135	-1620	SN	16	25,0	1"	20	1 11/16-12	82,6	64,0	50,0
1203133	-2020	SN	20	32,0	1 1/4"	20	1 11/16-12	95,0	68,0	50,0

Dimensions shown may be changed without prior notice

// H1222493-M

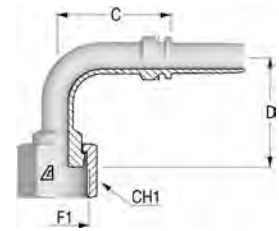
90° ORFS Female - Medium Drop
DK ORFS 90M
Solid one piece



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1202875	-0404	SN	04	6,0	1/4"	04	9/16-18	29,8	32,0	17,0
1202715	-0406	SN	04	6,0	1/4"	06	11/16-16	37,3	38,0	22,0
1202779	-0506	SN	05	8,0	5/16"	06	11/16-16	40,7	34,0	22,0
1202780	-0606	SN	06	10,0	3/8"	06	11/16-16	41,8	38,0	22,0
1202716	-0608	SN	06	10,0	3/8"	08	13/16-16	43,8	41,0	24,0
1202781	-0808	CR	08	13,0	1/2"	08	13/16-16	34,8	42,0	24,0
1202770	-0810	SN	08	13,0	1/2"	10	1-14	48,3	47,0	30,0
1202782	-1010	SN	10	16,0	5/8"	10	1-14	55,4	44,0	30,0
1203137	-1012	SN	10	16,0	5/8"	12	1 3/16-12	55,4	58,0	36,0
1202783	-1212	SN	12	19,0	3/4"	12	1 3/16-12	61,6	58,0	36,0
1202916	-1216	SN	12	19,0	3/4"	16	1 7/16-12	65,6	71,0	41,0
1216748	-1612	CR	16	25,0	1"	12	1 3/16-12	62,6	58,0	36,0
1202717	-1616	SN	16	25,0	1"	16	1 7/16-12	82,6	66,0	41,0
1203069	-1620	SN	16	25,0	1"	20	1 11/16-12	82,6	78,0	50,0
1202876	-2020	SN	20	32,0	1 1/4"	20	1 11/16-12	97,0	78,0	50,0

// H1222493-L

90° ORFS Female - Long Drop
DK ORFS 90L
Solid one piece

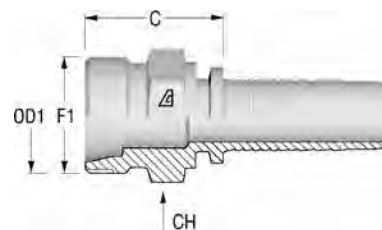


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1210841	-0404	SN	04	6,0	1/4"	04	9/16-18	32,8	46,0	17,0
1203139	-0406	SN	04	6,0	1/4"	06	11/16-16	34,8	54,0	22,0
1203138	-0606	SN	06	10,0	3/8"	06	11/16-16	41,8	54,0	22,0
1203057	-0608	SN	06	10,0	3/8"	08	13/16-16	46,8	64,0	24,0
1202922	-0808	CR	08	13,0	1/2"	08	13/16-16	38,3	64,0	24,0
1214208	-0810	SN	08	13,0	1/2"	10	1-14	46,3	70,0	30,0
1202918	-1010	SN	10	16,0	5/8"	10	1-14	55,4	70,0	30,0
1202919	-1012	SN	10	16,0	5/8"	12	1 3/16-12	55,4	96,0	36,0
1202920	-1212	SN	12	19,0	3/4"	12	1 3/16-12	61,6	96,0	36,0
1202921	-1216	SN	12	19,0	3/4"	16	1 7/16-12	61,6	118,0	41,0
1203136	-1616	SN	16	25,0	1"	16	1 7/16-12	82,6	114,0	41,0
1203134	-2020	SN	20	32,0	1 1/4"	20	1 11/16-12	97,0	129,0	50,0

// FRENCH INSERTS

// H1211810

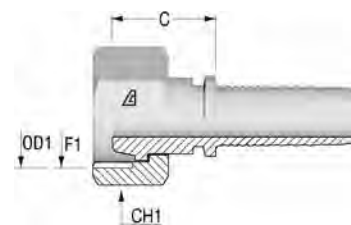
**Metric Male
French Type**



Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	CH mm
			Dash	mm	in				
1200522	-0520	NA	05	8,0	5/16"	M20X1.5	13,25	17,0	22,0
1200317	-0620	NA	06	10,0	3/8"	M20X1.5	13,25	25,3	22,0
1200361	-0824	NA	08	13,0	1/2"	M24X1.5	16,75	27,1	24,0
1200404	-1030	NA	10	16,0	5/8"	M30X1.5	21,25	31,1	30,0
1200435	-1236	NA	12	19,0	3/4"	M36X1.5	26,75	33,6	36,0

// H1221813

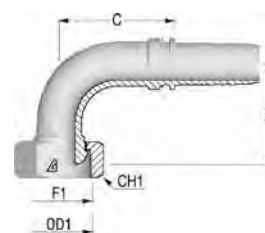
**Metric Female
French Type**



Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	CH1 mm
			Dash	mm	in				
1200651	-0520	SN	05	8,0	5/16"	M20X1.5	14	23,8	24,0
1200681	-0620	SN	06	10,0	3/8"	M20X1.5	14	23,8	24,0
1200717	-0824	SN	08	13,0	1/2"	M24X1.5	16	26,8	30,0
1200744	-1030	SN	10	16,0	5/8"	M30X1.5	22	26,6	36,0
1200770	-1236	SN	12	19,0	3/4"	M36X1.5	28	27,0	42,0

// H1221893

**90° Metric Female
French type**



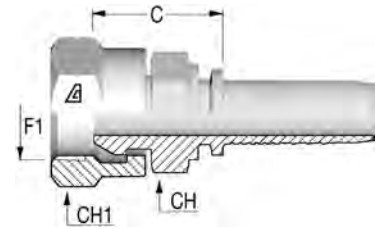
Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1200654	-0520	SN	05	8,0	5/16"	M20X1.5	14	32,5	36,5	24,0
1200683	-0620	SN	06	10,0	3/8"	M20X1.5	14	36,7	44,0	24,0
1200719	-0824	SN	08	13,0	1/2"	M24X1.5	16	39,5	46,0	30,0
1203156	-1030	SN	10	16,0	5/8"	M30X1.5	22	43,0	49,0	36,0
1200773	-1236	SN	12	19,0	3/4"	M36X1.5	28	46,6	48,5	42,0

Dimensions shown may be changed without prior notice

// JIS INSERTS

// H1223711

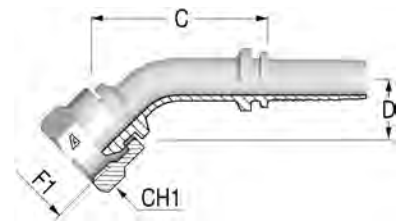
JIS Female 60° Cone - B 8363 (type C)



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1214218	-1616	CR	16	25,0	1"	16	1-11	34,9	36,0	41,0

// H1223741

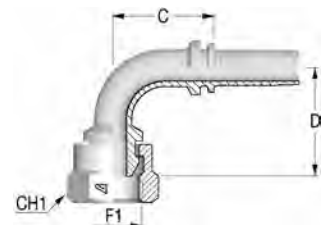
45° JIS Female 60° Cone - B 8363 (type C)



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1216798	-0404	CR	04	6,0	1/4"	04	1/4-19	24,3	19,0	19,0
1216799	-0606	CR	06	10,0	3/8"	06	3/8-19	26,5	21,0	22,0
1216800	-0808	CR	08	13,0	1/2"	08	1/2-14	27,0	22,0	27,0
1216801	-1212	CR	12	19,0	3/4"	12	3/4-14	19,9	25,0	36,0

// H1223791

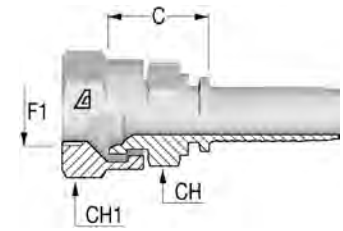
90° JIS Female 60° Cone - B 8363 (type C)



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1216803	-0404	CR	04	6,0	1/4"	04	1/4-19	25,3	33,0	19,0
1216805	-0606	CR	06	10,0	3/8"	06	3/8-19	32,3	36,5	22,0
1216806	-0808	CR	08	13,0	1/2"	08	1/2-14	37,3	38,5	27,0

// H122381Z

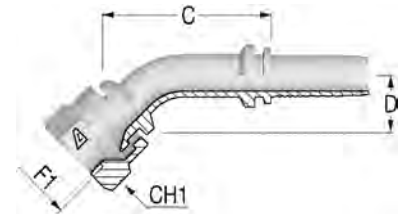
JIS Female 60° Seat Flare - B 8363 (type F)



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1202947	-0404	CR	04	6,0	1/4"	04	1/4-19	20,8	17,0	19,0
1202879	-0606	CR	06	10,0	3/8"	06	3/8-19	21,8	19,0	22,0
1202878	-0808	CR	08	13,0	1/2"	08	1/2-14	23,6	22,0	27,0
1203106	-1212	CR	12	19,0	3/4"	12	3/4-14	27,1	30,0	36,0
1203105	-1616	CR	16	25,0	1"	16	1-11	32,9	36,0	41,0
1201585	-2020	TN	20	32,0	1 1/4"	20	1 1/4-11	39,5	46,0	50,0
1201677	-2424	TN	24	38,0	1 1/2"	24	1 1/2-11	41,5	50,0	55,0

// H122384Z

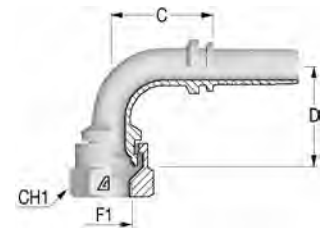
45° JIS Female 60° Seat Flare - B 8363 (type F)



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1203104	-0404	CR	04	6,0	1/4"	04	1/4-19	42,5	15,0	19,0

// H122389Z

90° JIS Female 60° Seat Flare - B 8363 (type F)



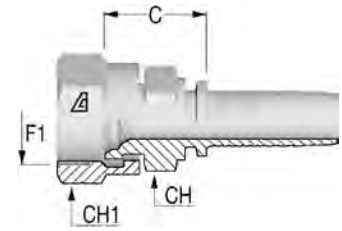
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1203095	-0404	CR	04	6,0	1/4"	04	1/4-19	27,3	29,5	19,0
1203094	-0606	CR	06	10,0	3/8"	06	3/8-19	31,3	33,0	22,0
1203093	-0808	CR	08	13,0	1/2"	08	1/2-14	37,3	36,5	27,0
1203092	-1212	CR	12	19,0	3/4"	12	3/4-14	46,1	52,0	36,0
1203091	-1616	CR	16	25,0	1"	16	1-11	77,1	64,5	41,0

Dimensions shown may be changed without prior notice

// KOMATSU INSERTS

// H1224011

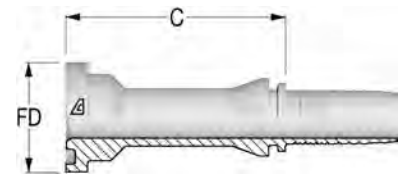
Komatsu Female



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1200502	-0414	CR	04	6,0	1/4"	14	M14X1.5	20,8	17,0	19,0
1216808	-0614	CR	06	10,0	3/8"	14	M14X1.5	20,8	17,0	19,0
1200334	-0618	CR	06	10,0	3/8"	18	M18X1.5	21,8	19,0	22,0
1202688	-0822	CR	08	13,0	1/2"	22	M22X1.5	23,6	22,0	27,0
1200414	-1024	CR	10	16,0	5/8"	24	M24X1.5	27,1	30,0	32,0
1200444	-1230	CR	12	19,0	3/4"	30	M30X1.5	27,6	30,0	36,0
1201720	-1633	CR	16	25,0	1"	33	M33X1.5	35,7	36,0	41,0

// H1244110

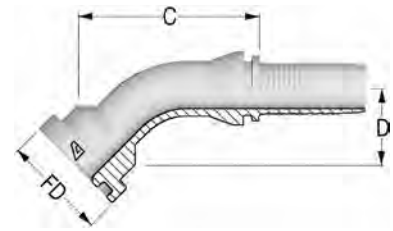
Komatsu Flange



Item Code	Tale/Head	Dash	ID		Flange	Flange Size	C	FD
	Dash		mm	in	Dash Size		mm	mm
1201625	-1010	10	16,0	5/8"	10	5/8	46,7	34,0

// H1244140

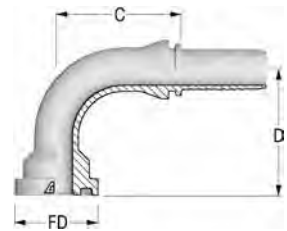
**45° Komatsu Flange
Solid one piece**



Item Code	Tale/Head	ID		Flange	Flange Size	FD	C	D Drop
	Dash	Dash	mm	in				
1202066	-1010	10	16,0	5/8"	10	34,0	49,1	25,0

// H1244190

**90° Komatsu Flange
Solid one piece**



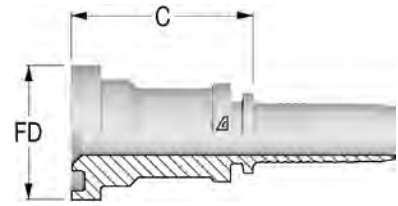
Item Code	Tale/Head	ID		Flange	Flange Size	FD	C	D Drop
	Dash	Dash	mm	in				
1202067	-1010	10	16,0	5/8"	10	34,0	51,0	51,0

Dimensions shown may be changed without prior notice

// SAE FLANGES

// H1243310

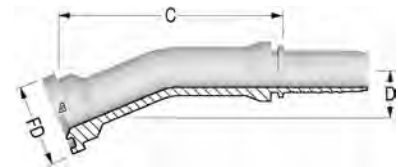
Flange SAE 3000 PSI J518 Code 61 - SFL



Item Code	Tail/Head	ID		Flange		C	FD	WP	
	Dash	Dash	mm	in	Dash Size				Flange Size
1202747	-0808	08	13,0	1/2"	08	1/2	41,0	30,2	5000
1202763	-0812	08	13,0	1/2"	12	3/4	42,0	38,1	5000
1202801	-1012	10	16,0	5/8"	12	3/4	42,2	38,1	5000
1201734	-1212	12	19,0	3/4"	12	3/4	42,5	38,1	5000
1202750	-1216	12	19,0	3/4"	16	1	50,5	44,5	5000
1201408	-1616	16	25,0	1"	16	1	51,4	44,5	5000
1201409	-1620	16	25,0	1"	20	1 1/4	53,9	50,8	4000
1221654	-2016	20	32,0	1 1/4"	16	1	53,0	44,5	5000
1201410	-2020	20	32,0	1 1/4"	20	1 1/4	55,5	50,8	4000
1201411	-2024	20	32,0	1 1/4"	24	1 1/2	58,5	60,3	3000
1201412	-2424	24	38,0	1 1/2"	24	1 1/2	58,5	60,3	3000
1201413	-2432	24	38,0	1 1/2"	32	2	70,0	71,4	3000
1221662	-3224	32	51,0	2"	24	1 1/2	66,0	60,3	3000
1201414	-3232	32	51,0	2"	32	2	70,0	71,4	3000
1202074	-3240	32	51,0	2"	40	2 1/2	83,0	84,1	2500
1226113	-4032	40	63,0	2 1/2"	32	2	86,5	71,4	3000
1203063	-4040	40	63,0	2 1/2"	40	2 1/2	86,5	84,1	2500

// H1243320

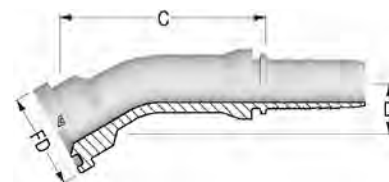
22° Flange SAE 3000 PSI J518 Code 61 - SFL 22
Solid one piece



Item Code	Tail/Head	ID		Flange		FD	C	D Drop	WP	
	Dash	Dash	mm	in	Dash Size					Flange Size
1216854	-1616	16	25,0	1"	16	1	44,5	92,7	12,0	5000
1216856	-2020	20	32,0	1 1/4"	20	1 1/4	50,8	113,6	16,0	4000
1216857	-2024	20	32,0	1 1/4"	24	1 1/2	60,3	114,7	20,5	3000
1216858	-2424	24	38,0	1 1/2"	24	1 1/2	60,3	131,0	22,0	3000
1216859	-3232	32	51,0	2"	32	2	71,4	153,0	30,0	3000

// H1243330

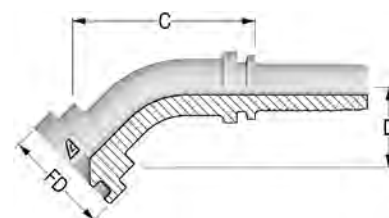
30° Flange SAE 3000 PSI J518 Code 61 - SFL 30
Solid one piece



Item Code	Tail/Head		ID		Flange		FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size	Flange Size				
1216861	-1212	12	19,0	3/4"	12	3/4	38,1	80,8	12,0	5000
1216862	-1216	12	19,0	3/4"	16	1	44,5	83,8	12,0	5000
1216863	-1616	16	25,0	1"	16	1	44,5	89,8	12,0	5000
1216864	-1620	16	25,0	1"	20	1 1/4	50,8	90,0	12,0	4000
1216867	-2024	20	32,0	1 1/4"	24	1 1/2	60,3	111,9	13,0	3000
1216868	-2424	24	38,0	1 1/2"	24	1 1/2	60,3	128,6	23,0	3000
1216869	-2432	24	38,0	1 1/2"	32	2	71,4	147,0	29,5	3000

// H1243340

45° Flange SAE 3000 PSI J518 Code 61 - SFL 45
Solid one piece

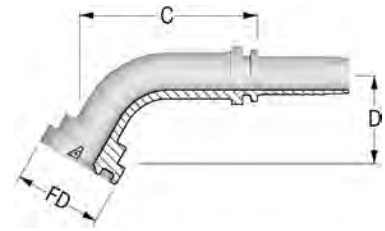


Item Code	Tail/Head		ID		Flange		FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size	Flange Size				
1202748	-0808	08	13,0	1/2"	08	1/2	30,2	52,9	22,0	5000
1202751	-0812	08	13,0	1/2"	12	3/4	38,1	60,3	26,0	5000
1202752	-1216	12	19,0	3/4"	16	1	44,5	77,9	29,0	5000
1214223	-1220	12	19,0	3/4"	20	1 1/4	50,8	81,5	30,0	5000
1202681	-1616	16	25,0	1"	16	1	44,5	82,7	33,5	5000
1201845	-1620	16	25,0	1"	20	1 1/4	50,8	82,2	36,0	4000
1216872	-2016	20	32,0	1 1/4"	16	1	44,5	114,6	35,1	5000
1201848	-2020	20	32,0	1 1/4"	20	1 1/4	50,8	95,1	37,5	4000
1202677	-2024	20	32,0	1 1/4"	24	1 1/2	60,3	104,1	40,0	3000
1216873	-2420	24	38,0	1 1/2"	20	1 1/4	50,8	144,9	49,5	4000
1202753	-2424	24	38,0	1 1/2"	24	1 1/2	60,3	116,7	48,0	3000
1202754	-2432	24	38,0	1 1/2"	32	2	71,4	135,6	55,5	3000
1201982	-3232	32	51,0	2"	32	2	71,4	140,8	47,5	3000
1216874	-4040	40	63,0	2 1/2"	40	2 1/2	84,1	139,0	53,0	2500

Dimensions shown may be changed without prior notice

// H1243360

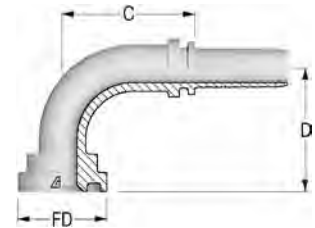
60° Flange SAE 3000 PSI J518 Code 61 - SFL 60
Solid one piece



Item Code	Tail/Head	ID		Flange		Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size					
1216880	-1616	16	25,0	1"	16	1	44,5	101,0	47,0	5000
1216882	-2020	20	32,0	1 1/4"	20	1 1/4	50,8	129,5	56,5	4000
1202882	-2424	24	38,0	1 1/2"	24	1 1/2	60,3	151,5	57,0	3000
1216884	-3232	32	51,0	2"	32	2	71,4	173,0	92,0	3000

// H1243390

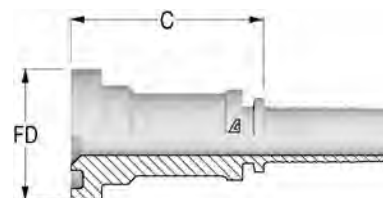
90° Flange SAE 3000 PSI J518 Code 61 - SFL 90
Solid one piece



Item Code	Tail/Head	ID		Flange		Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size					
1202749	-0808	08	13,0	1/2"	08	1/2	30,2	45,8	42,0	5000
1202755	-0812	08	13,0	1/2"	12	3/4	38,1	45,3	51,0	5000
1202679	-1212	12	19,0	3/4"	12	3/4	38,1	59,7	58,0	5000
1202756	-1216	12	19,0	3/4"	16	1	44,5	66,2	64,5	5000
1202883	-1220	12	19,0	3/4"	20	1 1/4	50,8	69,7	60,0	4000
1202680	-1616	16	25,0	1"	16	1	44,5	70,6	67,0	5000
1201846	-1620	16	25,0	1"	20	1 1/4	50,8	73,6	71,0	4000
1216894	-1624	16	25,0	1"	24	1 1/2	60,3	93,1	75,0	3000
1202884	-2016	20	32,0	1 1/4"	16	1	44,5	94,4	65,0	5000
1201847	-2020	20	32,0	1 1/4"	20	1 1/4	50,8	88,0	84,0	4000
1202676	-2024	20	32,0	1 1/4"	24	1 1/2	60,3	91,5	87,5	3000
1202806	-2420	24	38,0	1 1/2"	20	1 1/4	50,8	93,6	93,0	4000
1202757	-2424	24	38,0	1 1/2"	24	1 1/2	60,3	104,8	91,0	3000
1202758	-2432	24	38,0	1 1/2"	32	2	71,4	104,8	115,0	3000
1216898	-3224	32	51,0	2"	24	1 1/2	60,3	132,8	133,0	3000
1201983	-3232	32	51,0	2"	32	2	71,4	129,3	130,0	3000
1203169	-3240	32	51,0	2"	40	2 1/2	84,1	103,0	100,0	2500
1203364	-4040	40	63,0	2 1/2"	40	2 1/2	84,1	137,2	125,0	2500

// H1243610

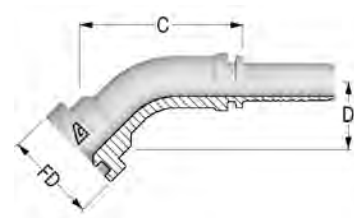
Flange SAE 6000 PSI J518 Code 62 - SFS



Item Code	Tail/Head	ID		Flange		C	FD	WP	
	Dash	Dash	mm	in	Dash Size				Flange Size
1202511	-0808	08	13,0	1/2"	08	1/2	47,0	31,8	6000
1202759	-0812	08	13,0	1/2"	12	3/4	52,0	41,3	6000
1202807	-1012	10	16,0	5/8"	12	3/4	52,2	41,3	6000
1202760	-1216	12	19,0	3/4"	16	1	55,5	47,6	6000
1216908	-1612	16	25,0	1"	12	3/4	56,4	41,3	6000
1201415	-1616	16	25,0	1"	16	1	56,4	47,6	6000
1201416	-1620	16	25,0	1"	20	1 1/4	63,4	54,0	6000
1201417	-2020	20	32,0	1 1/4"	20	1 1/4	83,0	54,0	6000
1201418	-2024	20	32,0	1 1/4"	24	1 1/2	71,0	63,5	6000
1201419	-2424	24	38,0	1 1/2"	24	1 1/2	101,0	63,5	6000
1201421	-3232	32	51,0	2"	32	2	76,0	79,4	6000

// H1243640

**45° Flange SAE 6000 PSI J518 Code 62 - SFS 45
Solid one piece**

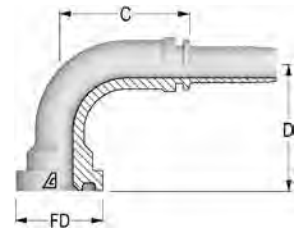


Item Code	Tail/Head	ID		Flange		FD	C	D Drop	WP	
	Dash	Dash	mm	in	Dash Size					Flange Size
1201729	-0808	08	13,0	1/2"	08	1/2	31,8	56,5	23,0	6000
1202764	-0812	08	13,0	1/2"	12	3/4	41,3	79,9	30,5	6000
1216910	-1012	10	16,0	5/8"	12	3/4	41,3	69,0	31,0	6000
1202082	-1212	12	19,0	3/4"	12	3/4	41,3	84,1	31,0	6000
1202083	-1216	12	19,0	3/4"	16	1	47,6	80,0	33,5	6000
1201794	-1616	16	25,0	1"	16	1	47,6	96,7	36,0	6000
1202091	-1620	16	25,0	1"	20	1 1/4	54,0	96,1	39,0	6000
1202452	-2024	20	32,0	1 1/4"	24	1 1/2	63,5	114,8	45,5	6000
1202453	-2424	24	38,0	1 1/2"	24	1 1/2	63,5	122,9	45,0	6000
1202734	-3232	32	51,0	2"	32	2	79,4	156,6	60,0	6000

Dimensions shown may be changed without prior notice

// H1243690

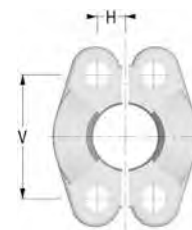
90° Flange SAE 6000 PSI J518 Code 62 - SFS 90
Solid one piece



Item Code	Tail/Head	ID	Flange	FD	C	D Drop	WP			
	Dash							Dash	mm	in
1202257	-0808	08	13,0	1/2"	08	1/2	31,8	47,8	46,0	6000
1202766	-0812	08	13,0	1/2"	12	3/4	41,3	47,8	54,0	6000
1242230	-1008	10	16,0	5/8"	08	1/2	31,8	50,0	52,0	6000
1202808	-1008	10	16,0	5/8"	08	1/2	31,8	50,0	52,0	6000
1202814	-1012	10	16,0	5/8"	12	3/4	41,3	49,9	55,0	6000
1202075	-1212	12	19,0	3/4"	12	3/4	41,3	63,2	61,0	6000
1201795	-1216	12	19,0	3/4"	16	1	47,6	63,2	66,0	6000
1216913	-1612	16	25,0	1"	12	3/4	41,3	72,6	61,0	6000
1201739	-1616	16	25,0	1"	16	1	47,6	73,6	75,0	6000
1202767	-1620	16	25,0	1"	20	1 1/4	54,0	77,6	78,0	6000
1202735	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	94,5	89,0	6000
1202768	-2024	20	32,0	1 1/4"	24	1 1/2	63,5	98,0	94,0	6000
1202736	-2424	24	38,0	1 1/2"	24	1 1/2	63,5	99,6	105,0	6000
1202769	-2432	24	38,0	1 1/2"	32	2	79,4	116,9	123,0	6000
1202762	-3232	32	51,0	2"	32	2	79,4	143,3	132,0	6000

// H10W3320

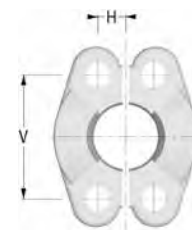
Split Flange Clamp 3000 PSI J518 Code 61 - FHL



Item Code	ID	FD	V	H
	Dash	in	mm	mm
1900451	-0800	1/2"	38,1	8,7
1900457	-1200	3/4"	47,6	11,1
1900452	-1600	1"	52,4	13,1
1900454	-2000	1 1/4"	58,7	15,1
1900453	-2400	1 1/2"	69,9	17,9
1900455	-3200	2"	77,8	21,4
1900456	-4000	2 1/2"	89,0	25,5
1900458	-4800	3"	106,0	31,0
1901123	-5600	3 1/2"	120,0	35,0
1900715	-6400	4"	130,0	39,0

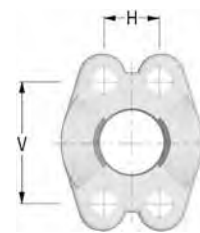
// H10W3620

Split Flange Clamp 6000 PSI J518 Code 62 - FHS

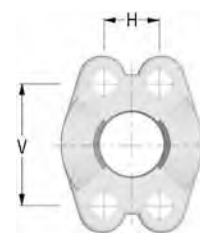


Item Code	ID	FD	V	H
	Dash	in	mm	mm
1900445	-0800	1/2"	40,5	9,1
1900450	-1200	3/4"	50,8	11,9
1900446	-1600	1"	57,2	13,9
1900448	-2000	1 1/4"	66,7	15,9
1900447	-2400	1 1/2"	79,4	18,3
1900449	-3200	2"	96,8	22,2

Dimensions shown may be changed without prior notice

// H10W3310**4 Hole Flange Clamp 3000 PSI J518 Code 61 - VHL**

Item Code	ID	FD	V	H
	Dash	in	mm	mm
1900442	-1200	3/4"	47,6	22,2
1900437	-1600	1"	52,4	26,2
1900439	-2000	1 1/4"	58,7	30,2
1900438	-2400	1 1/2"	69,9	35,8
1900440	-3200	2"	77,8	42,8

// H10W3610**4 Hole Flange Clamp 6000 PSI J518 Code 62 - VHS**

Item Code	ID	FD	V	H
	Dash	in	mm	mm
1900428	-0800	1/2"	40,5	18,2
1900433	-1200	3/4"	50,8	23,8
1900429	-1600	1"	57,2	27,8
1900431	-2000	1 1/4"	66,7	31,8
1900430	-2400	1 1/2"	79,4	36,6
1900432	-3200	2"	96,8	44,4
1900910	-4000	2 1/2"	123,8	58,7



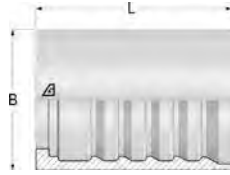
// MULTISPIRAL

// FERRULES	99	// NPTF INSERTS	106
// BSP INSERTS	100	// ORFS INSERTS	107
// DIN METRIC INSERTS	102	// SAE FLANGES	109
// JIC 37° INSERTS	104	// SUPERCAT FLANGES	112

Dimensions shown may be changed without prior notice

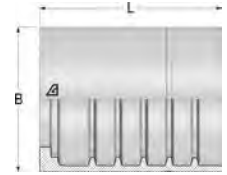
// FERRULES

// H1300SK4 Multispiral Ferrule



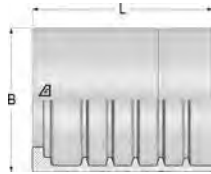
Item Code	ID			B mm	L mm
	Dash	mm	in		
1240185	12	19,0	3/4"	38,0	59,0
1240186	16	25,0	1"	46,0	64,0
1240187	20	31,0	1 1/4"	56,0	91,0
1240188	24	38,0	1 1/2"	62,0	91,0
1240189	32	51,0	2"	78,0	115,0

// H1300NS4 Multispiral Ferrule



Item Code	ID			B mm	L mm
	Dash	mm	in		
1236599	12	19,0	3/4"	44,0	55,0
1236600	16	25,0	1"	51,0	64,0
1236601	20	31,0	1 1/4"	61,0	99,0
1236602	24	38,0	1 1/2"	70,0	89,5
1236603	32	51,0	2"	87,0	125,0

// H1300NS6 Multispiral Ferrule

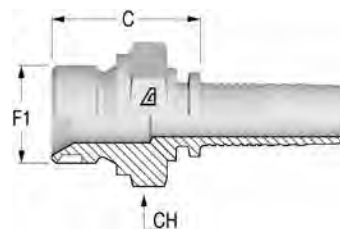


Item Code	ID			B mm	L mm
	Dash	mm	in		
1236604	20	31,0	1 1/4"	65,0	99,0
1236605	24	38,0	1 1/2"	73,0	89,5
1236606	32	51,0	2"	88,9	125,0

// BSP INSERTS

// H1310510

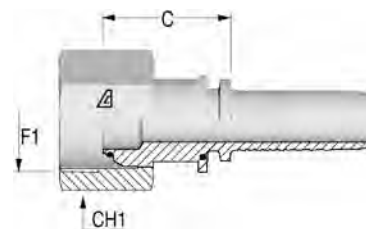
**BSP Male 60° Flare
AGR**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size		mm	mm
1238090	-1212	NA	12	19,0	3/4"	12	3/4-14	37,5	32,0
1226162	-1616	NA	16	25,0	1"	16	1-11	44,5	41,0
1230555	-2020	NA	20	32,0	1 1/4"	20	1 1/4-11	95,5	50,0
1241600	-2424	NA	24	38,0	1 1/2"	24	1 1/2-11	56,0	55,0
1241601	-3232	NA	32	51,0	2"	32	2-11	71,5	70,0

// H1320812

**BSP Female 60° Cone with O-Ring
DKOR**

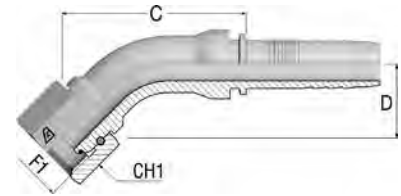


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm
1226178	-1212	TN	12	19,0	3/4"	12	3/4-14	25,2	32,0
1241616	-1216	TN	12	19,0	3/4"	16	1-11	27,7	38,0
1226179	-1616	TN	16	25,0	1"	16	1-11	31,0	38,0
1241617	-1620	TN	16	25,0	1"	20	1 1/4-11	32,0	50,0
1238241	-2020	TN	20	32,0	1 1/4"	20	1 1/4-11	35,0	50,0
1239857	-2424	TN	24	38,0	1 1/2"	24	1 1/2-11	38,8	55,0
1238240	-3232	TN	32	51,0	2"	32	2-11	49,0	70,0

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// H1320842

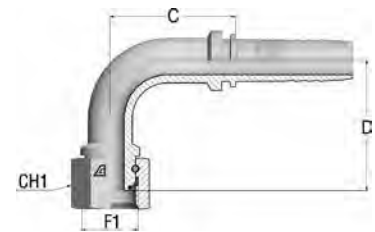
**45° BSPP Female 60° Cone with O-Ring
DKOR 45
Solid one piece**



Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
1241628	-1212	TN	12	19,0	3/4"	12	3/4-14	75,2	30,0	32,0	
1237423	-1616	TN	16	25,0	1"	16	1-11	92,1	40,0	38,0	
1241629	-2020	TN	20	32,0	1 1/4"	20	1 1/4-11	90,4	40,0	50,0	
1242138	-2424	TN	24	38,0	1 1/2"	24	1 1/2-11	113,0	46,0	55,0	
1241630	-3232	TN	32	51,0	2"	32	2-11	153,5	60,0	70,0	

// H1320892

**90° BSPP Female 60° Cone with O-Ring
DKOR 90
Solid one piece**

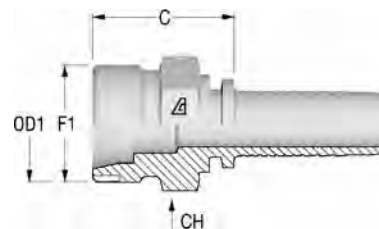


Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
1226180	-1212	TN	12	19,0	3/4"	12	3/4-14	59,1	61,0	32,0	
1226181	-1616	TN	16	25,0	1"	16	1-11	73,7	71,0	38,0	
1241625	-2020	TN	20	32,0	1 1/4"	20	1 1/4-11	84,3	83,0	50,0	
1238242	-2424	TN	24	38,0	1 1/2"	24	1 1/2-11	98,7	96,0	55,0	
1241626	-3232	TN	32	51,0	2"	32	2-11	140,5	130,0	70,0	

// DIN METRIC INSERTS

// H1311210

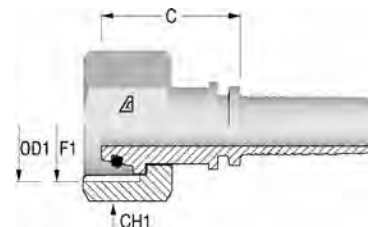
Metric Male 24° Seat - Heavy
DIN 3853 - CES



Item Code	Tail/Head	Nut Type	ID			F1	OD1	C	CH
	Dash/mm		Dash	mm	in		mm		
1241605	-1236	NA	12	19,0	3/4"	M36X2	25	36,5	36,0
1226164	-1642	NA	16	25,0	1"	M42X2	30	36,2	46,0
1226165	-2052	NA	20	32,0	1 1/4"	M52X2	38	51,0	55,0

// H1321613

Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS

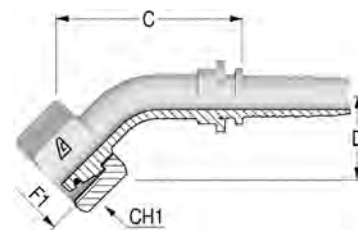


Item Code	Tail/Head	Nut Type	ID			F1	OD1	C	CH1
	Dash/mm		Dash	mm	in		mm		
1226182	-1230	TN	12	19,0	3/4"	M30X2	20	36,8	36,0
1226184	-1642	SN	16	25,0	1"	M42X2	30	45,2	50,0
1242139	-2042	TN	20	32,0	1 1/4"	M42X2	30	51,0	50,0
1226185	-2052	SN	20	32,0	1 1/4"	M52X2	38	51,1	60,0
1238244	-2452	TN	24	38,0	1 1/2"	M52X2	38	58,0	60,0

Dimensions shown may be changed without prior notice

// H1321643

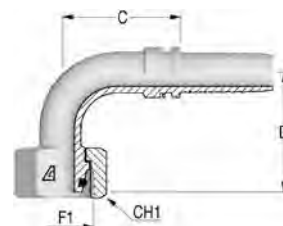
**45° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 45
Solid one piece**



Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1237408	-1236	SN	12	19,0	3/4"	M36X2	25	70,4	33,0	46,0
1242140	-1636	TN	16	25,0	1"	M36X2	25	93,0	37,5	46,0
1238246	-2052	SN	20	32,0	1 1/4"	M52X2	38	112,0	45,0	60,0

// H1321693

**90° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 90
Solid one piece**

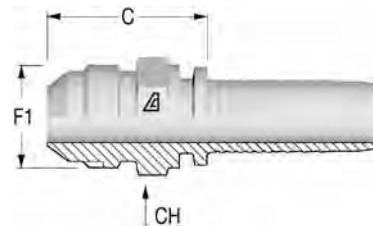


Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1241633	-1230	TN	12	19,0	3/4"	M30X2	20	65,5	67,5	36,0
1237409	-1236	SN	12	19,0	3/4"	M36X2	25	51,0	59,5	46,0
1240225	-1636	TN	16	25,0	1"	M36X2	25	75,6	82,0	46,0
1238248	-2052	SN	20	32,0	1 1/4"	M52X2	38	97,0	92,0	60,0

// JIC 37° INSERTS

// H1312510

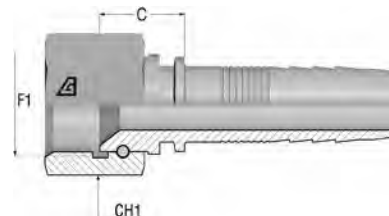
**JIC Male 37° Cone
AGJ**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size	F1	mm	mm
1226168	-1212	NA	12	19,0	3/4"	12	1 1/16-12	38,5	27,0
1226169	-1616	NA	16	25,0	1"	16	1 5/16-12	45,5	36,0
1226170	-2020	NA	20	32,0	1 1/4"	20	1 5/8-12	51,5	46,0

// H1322512

**JIC Female 37° Seat
DKJ**

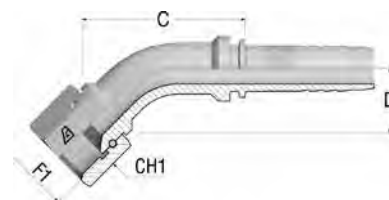


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size	F1	mm	mm
1241618	-1212	TN	12	19,0	3/4"	12	1 1/16-12	22,2	32,0
1241619	-1216	TN	12	19,0	3/4"	16	1 5/16-12	25,0	38,0
1241620	-1616	TN	16	25,0	1"	16	1 5/16-12	27,0	38,0
1241621	-1620	TN	16	25,0	1"	20	1 5/8-12	29,0	50,0
1241622	-2020	TN	20	32,0	1 1/4"	20	1 5/8-12	31,5	50,0
1241623	-2024	TN	20	32,0	1 1/4"	24	1 7/8-12	34,0	55,0
1241624	-2424	TN	24	38,0	1 1/2"	24	1 7/8-12	36,5	55,0

Dimensions shown may be changed without prior notice

// H1322542

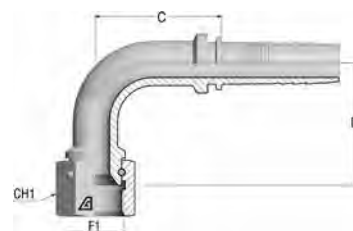
**45° JIC Female 37° Seat - Medium Drop
DKJ 45M
Solid one piece**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1226205	-1212	TN	12	19,0	3/4"	12	1 1/16-12	69,5	27,5	32,0
1241631	-1216	TN	12	19,0	3/4"	16	1 5/16-12	69,0	33,5	38,0
1226206	-1616	TN	16	25,0	1"	16	1 5/16-12	84,8	31,0	38,0
1238251	-2020	TN	20	32,0	1 1/4"	20	1 5/8-12	99,0	37,0	50,0

// H1322592

**90° JIC Female 37° Seat - Medium Drop
DKJ 90M
Solid one piece**

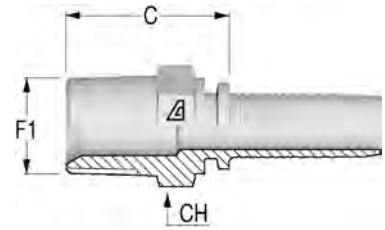


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1226209	-1212	TN	12	19,0	3/4"	12	1 1/16-12	59,1	57,0	32,0
1226211	-1216	TN	12	19,0	3/4"	16	1 5/16-12	58,1	63,5	38,0
1226212	-1616	TN	16	25,0	1"	16	1 5/16-12	75,7	67,0	38,0
1238254	-2020	TN	20	32,0	1 1/4"	20	1 5/8-12	84,0	78,0	50,0
1230690	-2424	TN	24	38,0	1 1/2"	24	1 7/8-12	105,3	92,0	55,0
1238255	-3232	TN	32	51,0	2"	32	2 1/2-12	147,5	135,0	70,0

// NPTF INSERTS

// H1312810

**NPTF Male 60° Seat
AGN**

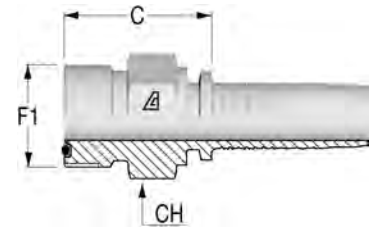


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size		mm	mm
1226172	-1212	NA	12	19,0	3/4"	12	3/4-14	35,5	27,0
1226173	-1616	NA	16	25,0	1"	16	1-11 1/2	46,5	36,0

Dimensions shown may be changed without prior notice

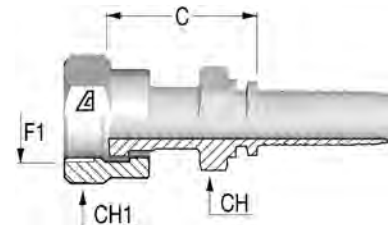
// ORFS INSERTS

// H1312410 ORFS Male



Item Code	Tail/Head Dash	Nut Type	ID			F1 Dash Size	F1	C	CH
			Dash	mm	in				
1230556	-1212	NA	12	19,0	3/4"	12	1 3/16-12	32,7	32,0
1226166	-1616	NA	16	25,0	1"	16	1 7/16-12	35,7	38,0

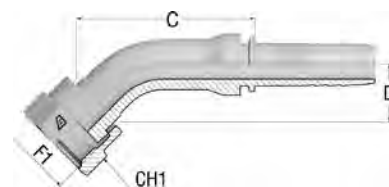
// H1322411 ORFS Female with Stem Hexagon



Item Code	Tail/Head Dash	Nut Type	ID			F1 Dash Size	F1	C	CH	CH1
			Dash	mm	in					
1226190	-1212	CR	12	19,0	3/4"	12	1 3/16-12	44,5	30,0	36,0
1226191	-1216	CR	12	19,0	3/4"	16	1 7/16-12	50,5	36,0	41,0
1242141	-1612	CR	16	25,0	1"	12	1 3/16-12	42,0	32,0	36,0
1226192	-1616	CR	16	25,0	1"	16	1 7/16-12	52,5	36,0	41,0
1226193	-1620	CR	16	25,0	1"	20	1 11/16-12	53,5	41,0	50,0
1226194	-2020	CR	20	32,0	1 1/4"	20	1 11/16-12	56,0	41,0	50,0
1226195	-2424	CR	24	38,0	1 1/2"	24	2-12	62,5	50,0	60,0

// H1322441

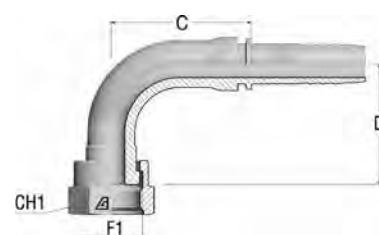
45° ORFS Female - Medium Drop
DK ORFS 45M
Solid one piece



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1226196	-1212	CR	12	19,0	3/4"	12	1 3/16-12	32,5	26,0	36,0
1226197	-1216	CR	12	19,0	3/4"	16	1 7/16-12	31,2	28,0	41,0
1226198	-1616	CR	16	25,0	1"	16	1 7/16-12	94,0	28,0	41,0
1241634	-1620	CR	16	25,0	1"	20	1 11/16-12	88,0	28,0	50,0
1238249	-2020	CR	20	32,0	1 1/4"	20	1 11/16-12	110,0	36,5	50,0

// H1322491

90° ORFS Female - Medium Drop
DK ORFS 90M
Solid one piece



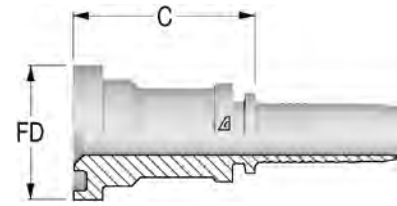
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1226200	-1212	CR	12	19,0	3/4"	12	1 3/16-12	67,6	58,0	36,0
1226201	-1216	CR	12	19,0	3/4"	16	1 7/16-12	69,6	58,0	36,0
1226202	-1616	CR	16	25,0	1"	16	1 7/16-12	79,6	66,0	41,0
1241635	-1620	CR	16	25,0	1"	20	1 11/16-12	73,0	66,0	50,0
1226203	-2020	CR	20	32,0	1 1/4"	20	1 11/16-12	102,4	81,0	50,0

Dimensions shown may be changed without prior notice

// SAE FLANGES

// H1343310

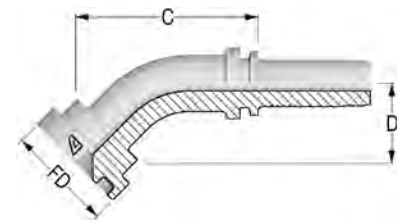
Flange SAE 3000 PSI J518 Code 61 - SFL



Item Code	Tail/Head	ID		Flange		C	FD	WP	
	Dash	Dash	mm	in	Dash Size				Flange Size
1226222	-1212	12	19,0	3/4"	12	3/4	43,5	38,1	5000
1226224	-1616	16	25,0	1"	16	1	53,5	44,5	5000
1226225	-1620	16	25,0	1"	20	1 1/4	56,0	50,8	5000
1241602	-2016	20	32,0	1 1/4"	16	1	58,5	44,4	5000
1226227	-2020	20	32,0	1 1/4"	20	1 1/4	58,5	50,8	5000
1241604	-2024	20	32,0	1 1/4"	24	1 1/2	61,5	60,3	5000
1241603	-2420	24	38,0	1 1/2"	20	1 1/4	55,5	50,8	5000
1226228	-2424	24	38,0	1 1/2"	24	1 1/2	63,5	60,3	5000
1226229	-2432	24	38,0	1 1/2"	32	2	75,0	71,4	5000
1235374	-3232	32	50,0	2"	32	2	85,0	71,4	5000

// H1343340

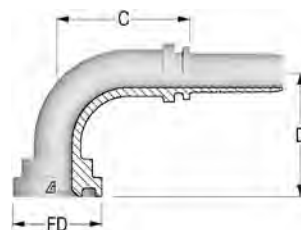
45° Flange SAE 3000 PSI J518 Code 61 - SFL 45
Solid one piece



Item Code	Tail/Head	ID		Flange		FD	C	D Drop	WP	
	Dash	Dash	mm	in	Dash Size					Flange Size
1226233	-1620	16	25,0	1"	20	1 1/4	50,8	88,9	32,5	5000
1226234	-2020	20	32,0	1 1/4"	20	1 1/4	50,8	94,3	38,5	5000
1226235	-2424	24	38,0	1 1/2"	24	1 1/2	60,3	99,8	43,0	5000
1233534	-3232	32	50,0	2"	32	2	71,4	154,0	54,0	5000

// H1343390

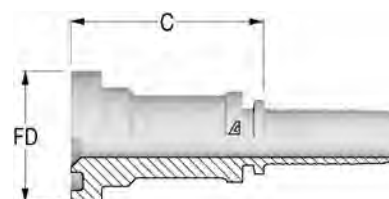
90° Flange SAE 3000 PSI J518 Code 61 - SFL 90
Solid one piece



Item Code	Tail/Head	ID		Flange		Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size					
1226241	-1616	16	25,0	1"	16	1	44,5	78,1	64,0	5000
1226242	-1620	16	25,0	1"	20	1 1/4	50,8	74,7	69,0	5000
1226244	-2020	20	32,0	1 1/4"	20	1 1/4	50,8	92,0	81,0	5000
1241608	-2024	20	32,0	1 1/4"	24	1 1/2	60,3	87,0	85,0	5000
1226245	-2424	24	38,0	1 1/2"	24	1 1/2	60,3	103,0	93,0	5000

// H1343610

Flange SAE 6000 PSI J518 Code 62 - SFS

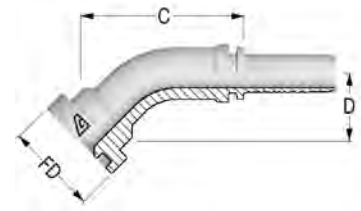


Item Code	Tail/Head	ID		Flange		Flange Size	C	FD	WP
	Dash	Dash	mm	in	Dash Size				
1226247	-1212	12	19,0	3/4"	12	3/4	53,5	41,3	6000
1226248	-1216	12	19,0	3/4"	16	1	56,5	47,6	6000
1226623	-1612	16	25,0	1"	12	3/4	58,5	41,3	6000
1226250	-1616	16	25,0	1"	16	1	58,5	47,6	6000
1226624	-1620	16	25,0	1"	20	1 1/4	65,5	54,0	6000
1236992	-2016	20	32,0	1 1/4"	16	1	61,0	47,6	6000
1226252	-2020	20	32,0	1 1/4"	20	1 1/4	64,0	54,0	6000
1226253	-2024	20	32,0	1 1/4"	24	1 1/2	74,0	63,5	6000
1241614	-2420	24	38,0	1 1/2"	20	1 1/4	71,0	54,0	6000
1226254	-2424	24	38,0	1 1/2"	24	1 1/2	76,0	63,5	6000
1226255	-2432	24	38,0	1 1/2"	32	2	88,0	79,4	6000
1241615	-3224	32	51,0	2"	24	1 1/2	86,0	63,5	6000
1235378	-3232	32	50,0	2"	32	2	103,0	79,4	6000

Dimensions shown may be changed without prior notice

// H1343640

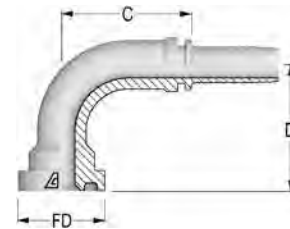
45° Flange SAE 6000 PSI J518 Code 62 - SFS 45
Solid one piece



Item Code	Tail/Head		ID		Flange		FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size	Flange Size				
1226261	-1212	12	19,0	3/4"	12	3/4	41,3	62,8	30,0	6000
1226262	-1216	12	19,0	3/4"	16	1	47,6	65,4	33,0	6000
1241609	-1612	16	25,0	1"	12	3/4	41,3	77,0	29,5	6000
1226263	-1616	16	25,0	1"	16	1	47,6	82,9	38,5	6000
1226264	-1620	16	25,0	1"	20	1 1/4	54,0	78,0	44,0	6000
1242142	-2016	20	32,0	1 1/4"	16	1	47,6	104,7	34,5	6000
1238305	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	103,0	41,0	6000
1241610	-2024	20	32,0	1 1/4"	24	1 1/2	63,5	117,0	48,0	6000
1226265	-2424	24	38,0	1 1/2"	24	1 1/2	63,5	122,5	48,0	6000

// H1343690

90° Flange SAE 6000 PSI J518 Code 62 - SFS 90
Solid one piece

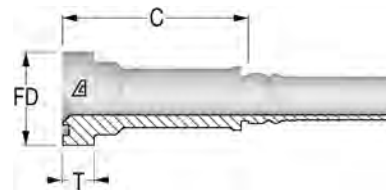


Item Code	Tail/Head		ID		Flange		FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size	Flange Size				
1226270	-1212	12	19,0	3/4"	12	3/4	41,3	64,7	64,0	6000
1226271	-1216	12	19,0	3/4"	16	1	47,6	64,7	66,0	6000
1226633	-1612	16	25,0	1"	12	3/4	41,3	74,7	61,0	6000
1226273	-1616	16	25,0	1"	16	1	47,6	74,8	74,0	6000
1226274	-1620	16	25,0	1"	20	1 1/4	54,0	78,8	85,0	6000
1241611	-2016	20	32,0	1 1/4"	16	1	47,6	87,0	72,0	6000
1230765	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	96,0	91,0	6000
1238310	-2024	20	32,0	1 1/4"	24	1 1/2	63,5	99,0	103,5	6000
1235381	-3232	32	50,0	2"	32	2	79,4	172,0	131,0	6000

// SUPERCAT FLANGES

// H1343910

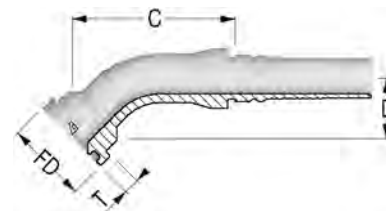
Flange SUPERCAT



Item Code	Tail/Head	ID		Flange		Flange Size	FD	T	C
	Dash	Dash	mm	in	Dash Size		mm	mm	mm
1226278	-1212	12	19,0	3/4"	12	3/4	41,3	14,3	85,5
1226279	-1216	12	19,0	3/4"	16	1	47,6	14,3	85,5
1226280	-1616	16	25,0	1"	16	1	47,6	14,3	94,5
1226281	-1620	16	25,0	1"	20	1 1/4	54,0	14,3	94,5
1226282	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	92,0
1226283	-2024	20	32,0	1 1/4"	24	1 1/2	63,5	14,3	87,0

// H1343940

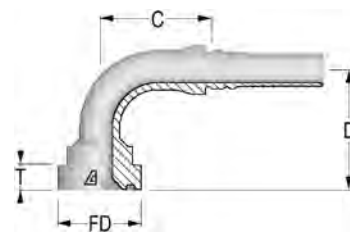
45° Flange SUPERCAT Solid one piece



Item Code	Tail/Head	ID		Flange		Flange Size	FD	T	C	D Drop
	Dash	Dash	mm	in	Dash Size		mm	mm	mm	mm
1226290	-1616	16	25,0	1"	16	1	47,6	14,3	129,0	42,5
1226291	-1620	16	25,0	1"	20	1 1/4	54,0	14,3	128,0	40,0
1226292	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	150,0	45,1

Dimensions shown may be changed without prior notice

// H1343990

90° Flange SUPERCAT
Solid one piece

Item Code	Tail/Head	ID	Flange	FD	T	C	D Drop			
	Dash							Dash	Dash Size	Flange Size
1226297	-1212	12	19,0	3/4"	12	3/4	41,3	14,3	67,2	67,0
1226298	-1216	12	19,0	3/4"	16	1	47,6	14,3	68,7	70,0
1226299	-1616	16	25,0	1"	16	1	47,6	14,3	84,8	79,0
1226301	-1620	16	25,0	1"	20	1 1/4	54,0	14,3	79,8	82,5
1238312	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	97,0	93,0
1238315	-2024	20	32,0	1 1/4"	24	1 1/2	63,5	14,3	97,0	101,0



// INTERLOCK

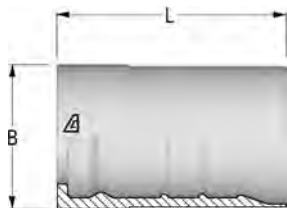
// FERRULES	115	// NPTF INSERTS	123
// HOSE MENDER	116	// ORFS INSERTS	124
// BSP INSERTS	117	// SAE FLANGES	126
// DIN METRIC INSERTS	119	// SUPERCAT FLANGES	130
// JIC 37° INSERTS	121	// HAMMER UNION	131

Dimensions shown may be changed without prior notice

// FERRULES

// H1400200

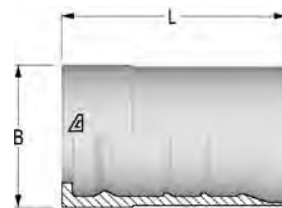
Interlock Ferrule



Item Code	ID			B	L
	Dash	mm	in		
1201571	06	10,0	3/8"	27,0	49,0
1201856	08	13,0	1/2"	30,0	52,5
1201502	10	16,0	5/8"	34,0	57,5
1201503	12	19,0	3/4"	38,0	60,2
1201504	16	25,0	1"	46,0	74,7
1200098	20	31,0	1 1/4"	55,0	88,2
1200099	24	38,0	1 1/2"	62,0	94,2
1201284	32	51,0	2"	78,0	99,2

// H1T00600

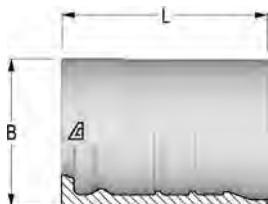
Interlock Ferrule



Item Code	ID			B	L
	Dash	mm	in		
1225872	32	51,0	2"	88,1	108,2

// H1400301

Interlock Ferrule

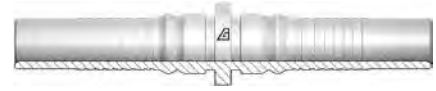


Item Code	ID			B	L
	Dash	mm	in		
1202585	10	16,0	5/8"	35,5	57,5
1202730	12	19,0	3/4"	43,5	60,0
1202222	16	25,0	1"	52,0	75,0
1201761	20	31,0	1 1/4"	62,0	88,0
1201805	24	38,0	1 1/2"	69,5	94,0
1202006	32	51,0	2"	88,0	99,0

// HOSE MENDER

// H14C5610

Hose Mender



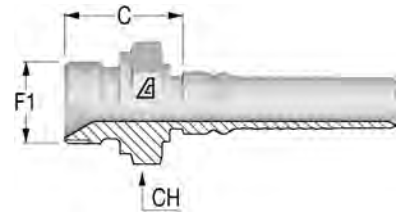
Item Code	Tail/Head	ID		
	Dash	Dash	mm	in
1219636	-1010	10	16,0	5/8"
1235392	-2020	20	32,0	1 1/4"
1235393	-2424	24	38,0	1 1/2"
1235394	-3232	32	51,0	2"

Dimensions shown may be changed without prior notice

// BSP INSERTS

// H1410510

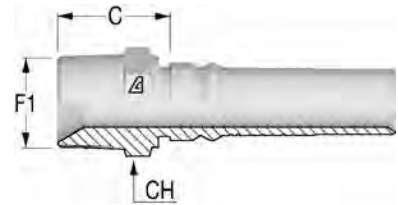
**BSPP Male 60° Flare
AGR**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1200218	-1212	NA	12	19,0	3/4"	12	3/4-14	34,0	32,0
1200239	-1616	NA	16	25,0	1"	16	1-11	40,0	41,0
1201219	-2020	NA	20	32,0	1 1/4"	20	1 1/4-11	45,2	50,0
1200280	-2424	NA	24	38,0	1 1/2"	24	1 1/2-11	48,5	55,0
1201080	-3232	NA	32	51,0	2"	32	2-11	55,5	70,0

// H1410710

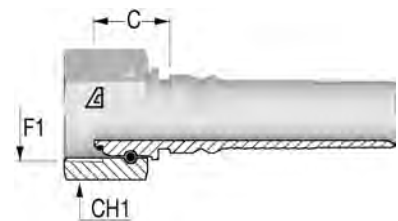
**BSPT Male
AGR K**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1200215	-1212	NA	12	19,0	3/4"	12	3/4-14	32,0	27,0
1200278	-2424	NA	24	38,0	1 1/2"	24	1 1/2-11	48,0	50,0

// H1420812

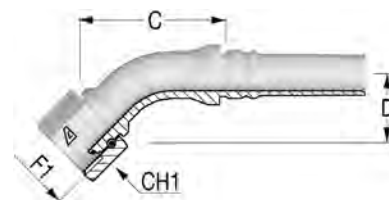
**BSPP Female 60° Cone with O-Ring
DKOR**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size			
1214247	-0808	CR	08	13,0	1/2"	08	1/2-14	19,5	27,0
1202424	-1212	TN	12	19,0	3/4"	12	3/4-14	22,5	32,0
1202440	-1616	TN	16	25,0	1"	16	1-11	25,5	38,0
1201132	-2020	TN	20	32,0	1 1/4"	20	1 1/4-11	30,2	50,0
1201134	-2424	TN	24	38,0	1 1/2"	24	1 1/2-11	33,5	55,0
1201136	-3232	TN	32	51,0	2"	32	2-11	35,0	70,0

// H1420842

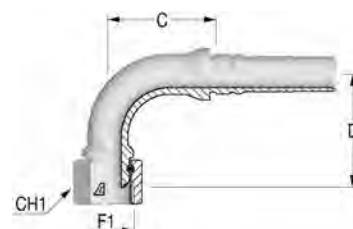
**45° BSPP Female 60° Cone with O-Ring
DKOR 45
Solid one piece**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1202447	-1212	TN	12	19,0	3/4"	12	3/4-14	72,0	30,0	32,0
1202446	-1616	TN	16	25,0	1"	16	1-11	81,0	34,0	38,0
1202444	-2020	TN	20	32,0	1 1/4"	20	1 1/4-11	97,2	40,0	50,0
1202442	-2424	TN	24	38,0	1 1/2"	24	1 1/2-11	113,0	46,0	55,0
1201535	-3232	TN	32	51,0	2"	32	2-11	151,0	60,0	70,0

// H1420892

**90° BSPP Female 60° Cone with O-Ring
DKOR 90
Solid one piece**



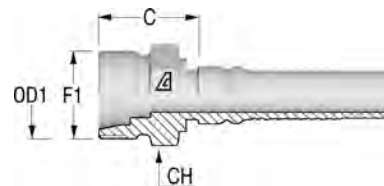
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1200217	-1212	TN	12	19,0	3/4"	12	3/4-14	58,0	61,0	32,0
1202445	-1616	TN	16	25,0	1"	16	1-11	75,0	71,0	38,0
1202443	-2020	TN	20	32,0	1 1/4"	20	1 1/4-11	79,2	83,0	50,0
1202441	-2424	TN	24	38,0	1 1/2"	24	1 1/2-11	93,5	96,0	55,0
1200288	-3232	TN	32	51,0	2"	32	2-11	134,0	125,0	70,0

Dimensions shown may be changed without prior notice

// DIN METRIC INSERTS

// H1411210

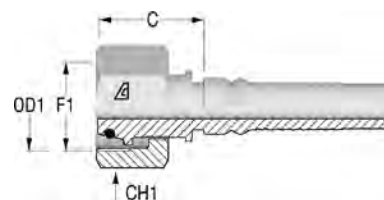
**Metric Male 24° Seat - Heavy
DIN 3853 - CES**



Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	CH mm
			Dash	mm	in				
1216929	-0824	NA	08	13,0	1/2"	M24X1.5	16	27,0	24,0
1201077	-1030	NA	10	16,0	5/8"	M30X2	20	31,0	32,0
1200212	-1236	NA	12	19,0	3/4"	M36X2	25	35,0	36,0
1200236	-1642	NA	16	25,0	1"	M42X2	30	40,0	46,0
1200260	-2052	NA	20	32,0	1 1/4"	M52X2	38	45,2	55,0

// H1421613

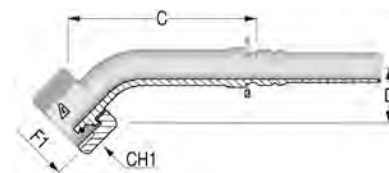
**Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS**



Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	CH1 mm
			Dash	mm	in				
1201857	-0824	SN	08	13,0	1/2"	M24X1.5	16	29,6	30,0
1201118	-1030	SN	10	16,0	5/8"	M30X2	20	34,4	36,0
1202584	-1230	TN	12	19,0	3/4"	M30X2	20	37,5	36,0
1201092	-1236	SN	12	19,0	3/4"	M36X2	25	37,6	46,0
1202887	-1636	TN	16	25,0	1"	M36X2	25	38,8	46,0
1201125	-1642	SN	16	25,0	1"	M42X2	30	40,7	50,0
1216935	-2042	TN	20	32,0	1 1/4"	M42X2	30	43,6	50,0
1201129	-2052	SN	20	32,0	1 1/4"	M52X2	38	45,3	60,0
1216936	-2452	TN	24	38,0	1 1/2"	M52X2	38	50,8	60,0

// H1421643

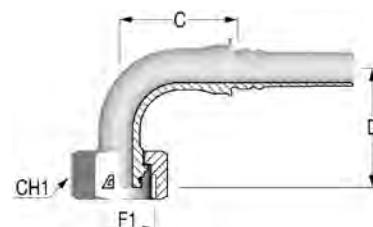
**45° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 45
Solid one piece**



Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1216942	-0824	SN	08	13,0	1/2"	M24X1.5	16	83,0	29,0	30,0
1202073	-1030	SN	10	16,0	5/8"	M30X2	20	59,0	31,5	36,0
1202583	-1230	TN	12	19,0	3/4"	M30X2	20	74,0	33,0	36,0
1202079	-1236	SN	12	19,0	3/4"	M36X2	25	78,1	36,0	46,0
1216940	-1636	TN	16	25,0	1"	M36X2	25	86,5	37,5	46,0
1201724	-1642	SN	16	25,0	1"	M42X2	30	96,8	38,0	50,0
1202003	-2052	SN	20	32,0	1 1/4"	M52X2	38	112,7	48,0	60,0
1216941	-2452	TN	24	38,0	1 1/2"	M52X2	38	111,0	44,0	60,0

// H1421693

**90° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 90
Solid one piece**

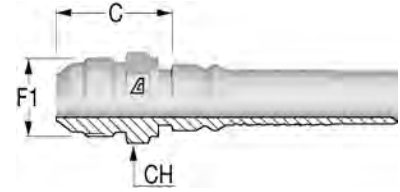


Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1203125	-0824	SN	08	13,0	1/2"	M24X1.5	16	52,0	50,0	30,0
1202072	-1030	SN	10	16,0	5/8"	M30X2	20	48,0	55,0	36,0
1202582	-1230	TN	12	19,0	3/4"	M30X2	20	61,0	67,5	36,0
1201723	-1236	SN	12	19,0	3/4"	M36X2	25	61,7	65,0	46,0
1203126	-1636	TN	16	25,0	1"	M36X2	25	76,5	76,5	46,0
1201740	-1642	SN	16	25,0	1"	M42X2	30	86,4	79,0	50,0
1201059	-2052	SN	20	32,0	1 1/4"	M52X2	38	90,9	101,0	60,0
1216945	-2452	TN	24	38,0	1 1/2"	M52X2	38	100,5	102,0	60,0

Dimensions shown may be changed without prior notice

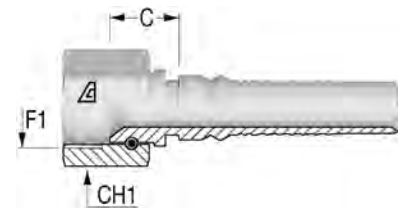
// JIC 37° INSERTS

// H1412510

**JIC Male 37° Cone
AGJ**

Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1200216	-1212	NA	12	19,0	3/4"	12	1 1/16-12	37,0	32,0
1201094	-1216	NA	12	19,0	3/4"	16	1 5/16-12	40,0	36,0
1200238	-1616	NA	16	25,0	1"	16	1 5/16-12	41,0	36,0
1201787	-1620	NA	16	25,0	1"	20	1 5/8-12	44,5	46,0
1200262	-2020	NA	20	32,0	1 1/4"	20	1 5/8-12	45,7	46,0
1216931	-2024	NA	20	32,0	1 1/4"	24	1 7/8-12	49,7	50,0
1200279	-2424	NA	24	38,0	1 1/2"	24	1 7/8-12	50,0	50,0
1201798	-3232	NA	32	51,0	2"	32	2 1/2-12	61,0	65,0

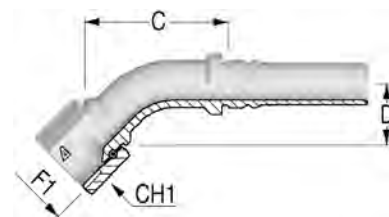
// H1422512

**JIC Female 37° Seat
DKJ**

Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size			
1201265	-1012	TN	10	16,0	5/8"	12	1 1/16-12	18,7	32,0
1201121	-1212	TN	12	19,0	3/4"	12	1 1/16-12	18,7	32,0
1201122	-1216	TN	12	19,0	3/4"	16	1 5/16-12	21,5	38,0
1201126	-1616	TN	16	25,0	1"	16	1 5/16-12	22,5	38,0
1201127	-1620	TN	16	25,0	1"	20	1 5/8-12	24,5	50,0
1201131	-2020	TN	20	32,0	1 1/4"	20	1 5/8-12	25,7	50,0
1216973	-2024	TN	20	32,0	1 1/4"	24	1 7/8-12	28,2	55,0
1201133	-2424	TN	24	38,0	1 1/2"	24	1 7/8-12	29,0	55,0
1201135	-3232	TN	32	51,0	2"	32	2 1/2-12	34,0	70,0

// H1422542

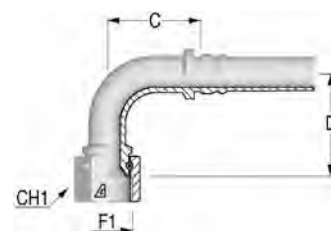
**45° JIC Female 37° Seat
DKJ 45
Solid one piece**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1201485	-1212	TN	12	19,0	3/4"	12	1 1/16-12	66,0	27,5	32,0
1202098	-1216	TN	12	19,0	3/4"	16	1 5/16-12	72,0	30,0	38,0
1201486	-1616	TN	16	25,0	1"	16	1 5/16-12	79,5	31,0	38,0
1201487	-2020	TN	20	32,0	1 1/4"	20	1 5/8-12	93,0	37,0	50,0
1201765	-2424	TN	24	38,0	1 1/2"	24	1 7/8-12	121,0	38,0	55,0

// H1422592

**90° JIC Female 37° Seat
DKJ 90
Solid one piece**

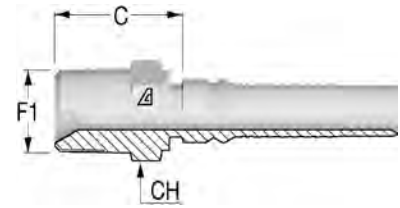


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1201488	-1212	TN	12	19,0	3/4"	12	1 1/16-12	45,0	57,0	32,0
1202103	-1216	TN	12	19,0	3/4"	16	1 5/16-12	58,0	60,5	38,0
1201489	-1616	TN	16	25,0	1"	16	1 5/16-12	71,0	67,0	38,0
1201490	-2020	TN	20	32,0	1 1/4"	20	1 5/8-12	79,2	78,0	50,0
1201491	-2424	TN	24	38,0	1 1/2"	24	1 7/8-12	94,5	92,0	55,0

Dimensions shown may be changed without prior notice

// NPTF INSERTS

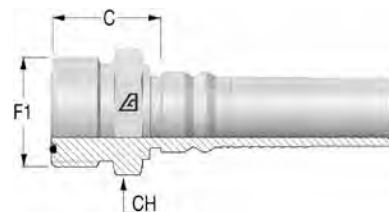
// H1412810

NPTF Male 60° Seat
AGN

Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1201609	-0606	NA	06	10,0	3/8"	06	3/8-18	26,5	19,0
1203127	-0808	NA	08	13,0	1/2"	08	1/2-14	30,0	22,0
1200193	-1212	NA	12	19,0	3/4"	12	3/4-14	32,0	27,0
1200219	-1616	NA	16	25,0	1"	16	1-11 1/2	42,0	36,0
1200240	-2020	NA	20	32,0	1 1/4"	20	1 1/4-11 1/2	46,2	46,0
1200263	-2424	NA	24	38,0	1 1/2"	24	1 1/2-11 1/2	48,0	50,0
1200281	-3232	NA	32	51,0	2"	32	2-11 1/2	53,2	65,0

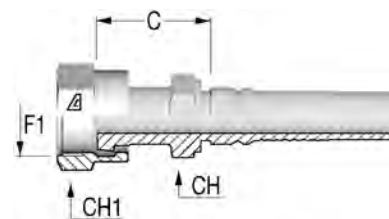
// ORFS INSERTS

// H1412410 ORFS Male



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1214664	-1212	NA	12	19,0	3/4"	12	1 3/16-12	30,200,0	30,0
1231483	-1616	NA	16	25,0	1"	16	1 7/16-12	35,8	38,0

// H1422411 ORFS Female with Stem Hexagon



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size				
1202864	-1012	CR	10	16,0	5/8"	12	1 3/16-12	40,0	30,0	36,0
1202099	-1212	CR	12	19,0	3/4"	12	1 3/16-12	40,0	30,0	36,0
1202106	-1216	CR	12	19,0	3/4"	16	1 7/16-12	43,0	36,0	41,0
1216952	-1612	CR	16	25,0	1"	12	1 3/16-12	42,0	32,0	36,0
1202071	-1616	CR	16	25,0	1"	16	1 7/16-12	47,0	36,0	41,0
1202107	-1620	CR	16	25,0	1"	20	1 11/16-12	49,0	46,0	50,0
1216955	-2016	CR	20	32,0	1 1/4"	16	1 7/16-12	47,2	41,0	41,0
1201807	-2020	CR	20	32,0	1 1/4"	20	1 11/16-12	47,2	46,0	50,0
1216956	-2424	CR	24	38,0	1 1/2"	24	2-12	52,0	50,0	60,0

Dimensions shown may be changed without prior notice

// H1422441

45° ORFS Female

DK ORFS 45

Solid one piece

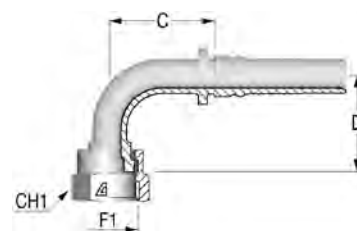
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1202108	-1212	CR	12	19,0	3/4"	12	1 3/16-12	77,7	26,0	36,0
1202109	-1216	CR	12	19,0	3/4"	16	1 7/16-12	68,4	28,0	41,0
1202110	-1616	CR	16	25,0	1"	16	1 7/16-12	114,0	28,0	41,0
1202111	-1620	CR	16	25,0	1"	20	1 11/16-12	83,4	28,0	50,0
1202112	-2020	CR	20	32,0	1 1/4"	20	1 11/16-12	100,7	33,0	50,0

// H1422491

90° ORFS Female

DK ORFS 90

Solid one piece

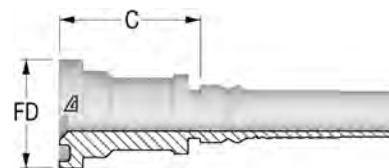


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1203123	-1012	CR	10	16,0	5/8"	12	1 3/16-12	48,1	58,0	36,0
1202117	-1212	CR	12	19,0	3/4"	12	1 3/16-12	64,2	58,0	36,0
1202116	-1216	CR	12	19,0	3/4"	16	1 7/16-12	66,2	58,0	41,0
1202115	-1616	CR	16	25,0	1"	16	1 7/16-12	75,2	66,0	41,0
1202114	-1620	CR	16	25,0	1"	20	1 11/16-12	73,2	66,0	50,0
1202113	-2020	CR	20	32,0	1 1/4"	20	1 11/16-12	91,7	81,0	50,0

// SAE FLANGES

// H1443310

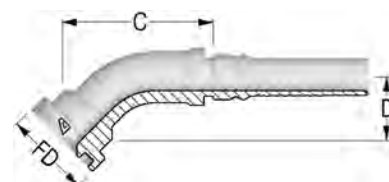
Flange SAE 3000 PSI J518 Code 61 - SFL



Item Code	Tail/Head	ID		Flange		Flange Size	C	FD	WP
	Dash	Dash	mm	in	Dash Size		mm	mm	
1200233	-1616	16	25,0	1"	16	1	49,0	44,5	5000
1200234	-1620	16	25,0	1"	20	1 1/4	51,5	50,8	4000
1200257	-2020	20	32,0	1 1/4"	20	1 1/4	52,7	50,8	4000
1200256	-2024	20	32,0	1 1/4"	24	1 1/2	55,7	60,3	3000
1200276	-2424	24	38,0	1 1/2"	24	1 1/2	56,0	60,3	3000
1200277	-2432	24	38,0	1 1/2"	32	2	67,5	71,4	3000
1200287	-3232	32	51,0	2"	32	2	69,0	71,4	3000

// H1443340

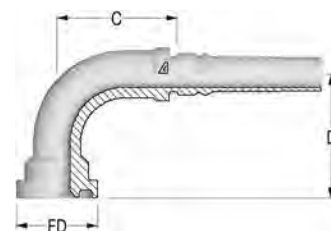
45° Flange SAE 3000 PSI J518 Code 61 - SFL 45
Solid one piece



Item Code	Tail/Head	ID		Flange		Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size		mm	mm	mm	
1200230	-1620	16	25,0	1"	20	1 1/4	50,8	95,6	30,0	4000
1200253	-2020	20	32,0	1 1/4"	20	1 1/4	50,8	100,9	32,5	4000
1200252	-2024	20	32,0	1 1/4"	24	1 1/2	60,3	92,8	40,0	3000
1200272	-2424	24	38,0	1 1/2"	24	1 1/2	60,3	103,7	43,0	3000
1200273	-2432	24	38,0	1 1/2"	32	2	71,4	132,7	56,5	3000
1200285	-3232	32	51,0	2"	32	2	71,4	138,1	54,0	3000

// H1443390

90° Flange SAE 3000 PSI J518 Code 61 - SFL 90
Solid one piece

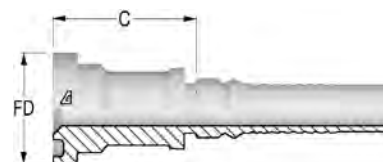


Item Code	Tail/Head	ID		Flange		Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size		mm	mm	mm	
1200231	-1616	16	25,0	1"	16	1	44,5	72,2	64,0	5000
1200232	-1620	16	25,0	1"	20	1 1/4	50,8	70,2	69,0	4000
1200255	-2020	20	32,0	1 1/4"	20	1 1/4	50,8	86,2	81,0	4000
1200254	-2024	20	32,0	1 1/4"	24	1 1/2	60,3	81,2	85,0	3000
1200274	-2424	24	38,0	1 1/2"	24	1 1/2	60,3	95,5	93,0	3000
1200275	-2432	24	38,0	1 1/2"	32	2	71,4	130,3	97,0	3000
1200286	-3232	32	51,0	2"	32	2	71,4	134,4	130,0	3000

Dimensions shown may be changed without prior notice

// H1443610

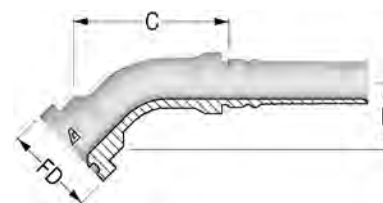
Flange SAE 6000 PSI J518 Code 62 - SFS



Item Code	Tail/Head	ID		Flange		C	FD	WP	
	Dash	Dash	mm	in	Dash Size				Flange Size
1200199	-1212	12	19,0	3/4"	12	3/4	50,0	41,3	6000
1200198	-1216	12	19,0	3/4"	16	1	53,0	47,6	6000
1201218	-1612	16	25,0	1"	12	3/4	51,0	41,3	6000
1200224	-1616	16	25,0	1"	16	1	54,0	47,6	6000
1200225	-1620	16	25,0	1"	20	1 1/4	61,0	54,0	6000
1201556	-2016	20	32,0	1 1/4"	16	1	80,2	47,6	6000
1200270	-2420	24	38,0	1 1/2"	20	1 1/4	62,5	54,0	6000
1200268	-2424	24	38,0	1 1/2"	24	1 1/2	68,5	63,5	6000
1200271	-2432	24	38,0	1 1/2"	32	2	80,5	79,4	6000

// H1443640

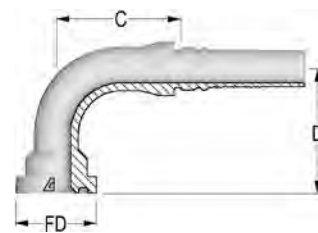
**45° Flange SAE 6000 PSI J518 Code 62 - SFS 45
Solid one piece**



Item Code	Tail/Head	ID		Flange		FD	C	D Drop	WP	
	Dash	Dash	mm	in	Dash Size					Flange Size
1200195	-1212	12	19,0	3/4"	12	3/4	41,3	72,1	30,0	6000
1200194	-1216	12	19,0	3/4"	16	1	47,6	76,8	33,0	6000
1202890	-1612	16	25,0	1"	12	3/4	41,3	80,3	29,5	6000
1200220	-1616	16	25,0	1"	16	1	47,6	94,8	35,0	6000
1200221	-1620	16	25,0	1"	20	1 1/4	54,0	105,3	44,0	6000
1201557	-2016	20	32,0	1 1/4"	16	1	47,6	104,7	34,5	6000
1200242	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	102,0	39,5	6000
1200241	-2024	20	32,0	1 1/4"	24	1 1/2	63,5	111,7	48,0	6000
1200264	-2424	24	38,0	1 1/2"	24	1 1/2	63,5	136,3	48,0	6000
1200265	-2432	24	38,0	1 1/2"	32	2	79,4	129,1	55,0	6000
1200282	-3232	32	51,0	2"	32	2	79,4	160,6	63,0	6000

// H1443690

90° Flange SAE 6000 PSI J518 Code 62 - SFS 90
Solid one piece

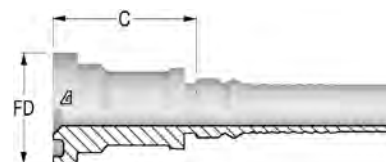


Item Code	Tail/Head	ID		Flange		Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size					
1200197	-1212	12	19,0	3/4"	12	3/4	41,3	61,2	64,0	6000
1200196	-1216	12	19,0	3/4"	16	1	47,6	61,2	66,0	6000
1202811	-1612	16	25,0	1"	12	3/4	41,3	70,2	61,0	6000
1200222	-1616	16	25,0	1"	16	1	47,6	70,4	74,0	6000
1200223	-1620	16	25,0	1"	20	1 1/4	54,0	77,2	80,0	6000
1200244	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	88,2	91,0	6000
1200243	-2024	20	32,0	1 1/4"	24	1 1/2	63,5	92,9	103,5	6000
1200266	-2424	24	38,0	1 1/2"	24	1 1/2	63,5	106,3	109,0	6000
1200267	-2432	24	38,0	1 1/2"	32	2	79,4	106,5	121,5	6000
1200283	-3232	32	51,0	2"	32	2	79,4	146,0	138,5	6000

Dimensions shown may be changed without prior notice

// H1T43610

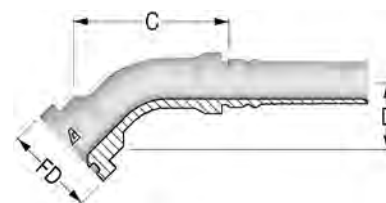
**Flange SAE 6000 PSI J518 Code 62 - SFS
Special version**



Item Code	Tail/Head	ID			Flange	Flange Size	C	FD	WP
	Dash	Dash	mm	in	Dash Size		mm	mm	psi
1235395	-4040	40	63,0	2 1/2"	40	2 1/2	124,3	108,0	6000

// H1T43640

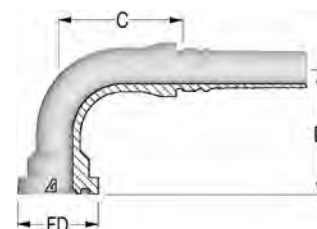
**45° Flange SAE 6000 PSI J518 Code 62 - SFS 45
Solid one piece
Special version**



Item Code	Tail/Head	ID			Flange	Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size		mm	mm	mm	psi
1223389	-3232	32	51,0	2"	32	2	79,4	141,0	63,0	6000

// H1T43690

**90° Flange SAE 6000 PSI J518 Code 62 - SFS 90
Solid one piece
Special version**

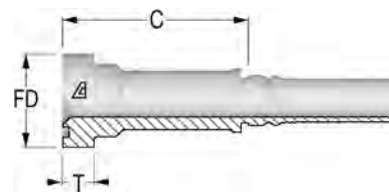


Item Code	Tail/Head	ID			Flange	Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size		mm	mm	mm	psi
1223168	-3224	32	51,0	2"	24	1 1/2	63,5	134,0	112,0	6000
1228051	-3232	32	51,0	2"	32	2	79,4	132,0	145,0	6000

// SUPERCAT FLANGES

// H1443910

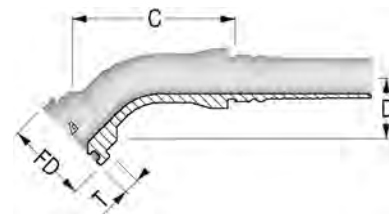
Flange SUPERCAT



Item Code	Tail/Head	ID		Flange		Flange Size	FD	T	C
	Dash	Dash	mm	in	Dash Size				
1202219	-1212	12	19,0	3/4"	12	3/4	41,3	14,3	82,0
1202388	-1216	12	19,0	3/4"	16	1	47,6	14,3	82,0
1202389	-1616	16	25,0	1"	16	1	47,6	14,3	90,0
1202390	-1620	16	25,0	1"	20	1 1/4	54,0	14,3	90,0
1202391	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	86,2
1202392	-2024	20	32,0	1 1/4"	24	1 1/2	63,5	14,3	83,2

// H1443940

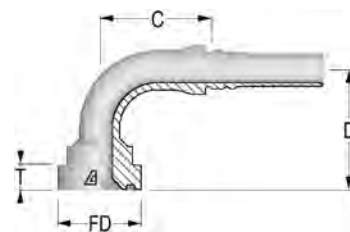
45° Flange SUPERCAT Solid one piece



Item Code	Tail/Head	ID		Flange		Flange Size	FD	T	C	D Drop
	Dash	Dash	mm	in	Dash Size					
1202398	-1212	12	19,0	3/4"	12	3/4	41,3	14,3	82,9	34,0
1202397	-1216	12	19,0	3/4"	16	1	47,6	14,3	87,4	34,0
1202396	-1616	16	25,0	1"	16	1	47,6	14,3	93,9	40,0
1202395	-1620	16	25,0	1"	20	1 1/4	54,0	14,3	95,4	40,0
1202394	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	103,6	43,0
1202393	-2024	20	32,0	1 1/4"	24	1 1/2	63,5	14,3	110,1	49,5

// H1443990

90° Flange SUPERCAT Solid one piece

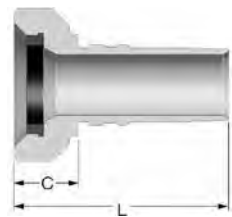


Item Code	Tail/Head	ID		Flange		Flange Size	FD	T	C	D Drop
	Dash	Dash	mm	in	Dash Size					
1202399	-1212	12	19,0	3/4"	12	3/4	41,3	14,3	63,7	67,0
1202400	-1216	12	19,0	3/4"	16	1	47,6	14,3	65,2	70,0
1202401	-1616	16	25,0	1"	16	1	47,6	14,3	80,4	79,0
1202402	-1620	16	25,0	1"	20	1 1/4	54,0	14,3	75,4	82,5
1202403	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	89,2	93,0
1202404	-2024	20	32,0	1 1/4"	24	1 1/2	63,5	14,3	91,4	101,0

Dimensions shown may be changed without prior notice

// HAMMER UNION**// H1T13F13****Male Hammer Union Fig. 1502 integral fitting with Lug Nut
Special version**

Item Code	Tail/Head	Dash	ID		C	L
	Dash		mm	in		
1235624	-3232	32	51,0	2"	60,8	162,20

// H1T23F10**Female Hammer Union Fig. 1502 integral fitting with Rubber
Ring
Special version**

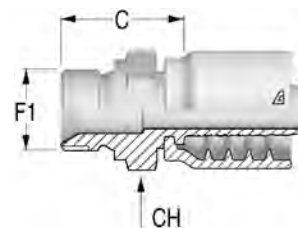
Item Code	Tail/Head	Dash	ID		C	L
	Dash		mm	in		
1235623	-3232	32	51,0	2"	57,3	158,70



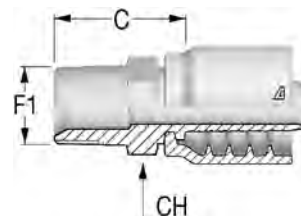
// ALFACRIMP // C12A

// BSP INSERTS.....	133	// NPSM INSERTS.....	151
// DIN METRIC INSERTS.....	137	// ORFS INSERTS.....	152
// SAE INSERTS.....	142	// JIS INSERTS.....	155
// JIC 37° INSERTS.....	144	// KOMATSU INSERTS.....	156
// NPTF INSERTS.....	149	// SAE FLANGES.....	157

Dimensions shown may be changed without prior notice

// **BSP INSERTS**// **C12A10510****BSP Male 60° Flare
AGR**

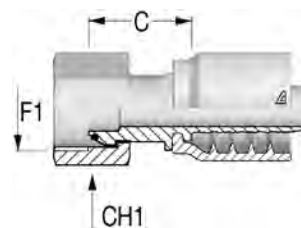
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1232544	-0402	NA	04	6,0	1/4"	02	1/8-28	20,8	14,0
1232545	-0404	NA	04	6,0	1/4"	04	1/4-19	26,3	19,0
1232546	-0406	NA	04	6,0	1/4"	06	3/8-19	27,8	22,0
1232547	-0506	NA	05	8,0	5/16"	06	3/8-19	27,8	22,0
1232548	-0606	NA	06	10,0	3/8"	06	3/8-19	27,8	22,0
1232549	-0608	NA	06	10,0	3/8"	08	1/2-14	31,3	27,0
1232550	-0806	NA	08	13,0	1/2"	06	3/8-19	28,6	22,0
1232551	-0808	NA	08	13,0	1/2"	08	1/2-14	32,1	27,0
1232552	-0810	NA	08	13,0	1/2"	10	5/8-14	34,1	30,0
1232553	-0812	NA	08	13,0	1/2"	12	3/4-14	36,1	32,0
1232554	-1010	NA	10	16,0	5/8"	10	5/8-14	34,1	30,0
1232555	-1012	NA	10	16,0	5/8"	12	3/4-14	36,1	32,0
1232556	-1212	NA	12	19,0	3/4"	12	3/4-14	36,6	32,0
1232557	-1216	NA	12	19,0	3/4"	16	1-11	41,6	41,0
1232558	-1616	NA	16	25,0	1"	16	1-11	42,4	41,0
1232559	-1620	NA	16	25,0	1"	20	1 1/4-11	46,4	50,0

// **C12A10710****BSPT Male
AGR K**

Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1232560	-0402	NA	04	6,0	1/4"	02	1/8-28	21,3	12,0
1232561	-0404	NA	04	6,0	1/4"	04	1/4-19	26,8	17,0
1232562	-0406	NA	04	6,0	1/4"	06	3/8-19	27,8	19,0
1232563	-0506	NA	05	8,0	5/16"	06	3/8-19	27,8	19,0
1232564	-0606	NA	06	10,0	3/8"	06	3/8-19	27,8	19,0
1232565	-0608	NA	06	10,0	3/8"	08	1/2-14	32,3	22,0
1232566	-0808	NA	08	13,0	1/2"	08	1/2-14	33,1	22,0
1232567	-1012	NA	10	16,0	5/8"	12	3/4-14	34,1	27,0
1232568	-1212	NA	12	19,0	3/4"	12	3/4-14	34,6	27,0
1232569	-1216	NA	12	19,0	3/4"	16	1-11	43,6	36,0
1232570	-1616	NA	16	25,0	1"	16	1-11	44,4	36,0

// C12A20813

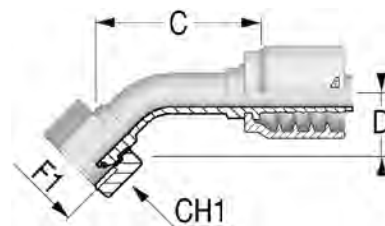
**BSPF Female 60° Cone with O-Ring
DKOR**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size			
1232679	-0404	SN	04	6,0	1/4"	04	1/4-19	20,8	19,0
1232680	-0406	SN	04	6,0	1/4"	06	3/8-19	23,3	22,0
1232681	-0506	SN	05	8,0	5/16"	06	3/8-19	23,3	22,0
1232675	-0604	CR	06	10,0	3/8"	04	1/4-19	17,3	19,0
1232682	-0606	SN	06	10,0	3/8"	06	3/8-19	23,3	22,0
1232683	-0608	SN	06	10,0	3/8"	08	1/2-14	24,3	27,0
1232684	-0808	SN	08	13,0	1/2"	08	1/2-14	25,1	27,0
1232685	-0810	SN	08	13,0	1/2"	10	5/8-14	28,4	27,0
1232686	-0812	SN	08	13,0	1/2"	12	3/4-14	29,0	32,0
1232676	-1010	CR	10	16,0	5/8"	10	5/8-14	17,1	27,0
1232687	-1012	SN	10	16,0	5/8"	12	3/4-14	29,0	32,0
1232677	-1212	CR	12	19,0	3/4"	12	3/4-14	20,6	32,0
1232688	-1216	SN	12	19,0	3/4"	16	1-11	34,0	38,0
1232678	-1616	CR	16	25,0	1"	16	1-11	23,9	38,0
1232689	-1620	SN	16	25,0	1"	20	1 1/4-11	39,4	50,0

// C12A20843

**45° BSPF Female 60° Cone with O-Ring
DKOR 45
Solid one piece**

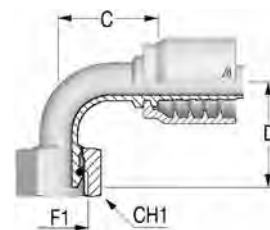


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1232693	-0404	SN	04	6,0	1/4"	04	1/4-19	45,5	15,0	19,0
1232694	-0406	SN	04	6,0	1/4"	06	3/8-19	41,5	17,5	22,0
1232695	-0506	SN	05	8,0	5/16"	06	3/8-19	45,1	18,5	22,0
1232696	-0606	SN	06	10,0	3/8"	06	3/8-19	49,9	20,5	22,0
1232697	-0608	SN	06	10,0	3/8"	08	1/2-14	45,7	21,0	27,0
1232698	-0808	SN	08	13,0	1/2"	08	1/2-14	55,0	21,0	27,0
1232699	-0810	SN	08	13,0	1/2"	10	5/8-14	57,2	23,0	27,0
1232700	-0812	SN	08	13,0	1/2"	12	3/4-14	56,7	23,0	32,0
1232690	-1010	CR	10	16,0	5/8"	10	5/8-14	64,0	21,5	27,0
1232701	-1012	SN	10	16,0	5/8"	12	3/4-14	66,5	22,5	32,0
1232691	-1212	CR	12	19,0	3/4"	12	3/4-14	70,0	28,0	32,0
1232702	-1216	SN	12	19,0	3/4"	16	1-11	74,6	31,5	38,0
1232692	-1616	CR	16	25,0	1"	16	1-11	84,0	34,0	38,0

Dimensions shown may be changed without prior notice

// C12A20893

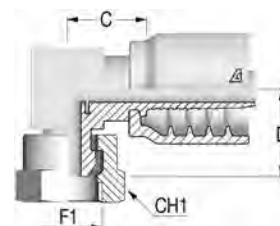
**90° BSPP Female 60° Cone with O-Ring
DKOR 90
Solid one piece**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1232706	-0404	SN	04	6,0	1/4"	04	1/4-19	29,3	29,0	19,0
1232707	-0406	SN	04	6,0	1/4"	06	3/8-19	29,8	31,0	22,0
1232708	-0506	SN	05	8,0	5/16"	06	3/8-19	33,2	36,0	22,0
1232709	-0606	SN	06	10,0	3/8"	06	3/8-19	34,8	42,0	22,0
1232710	-0608	SN	06	10,0	3/8"	08	1/2-14	34,3	35,5	27,0
1232711	-0808	SN	08	13,0	1/2"	08	1/2-14	35,8	41,0	27,0
1232712	-0810	SN	08	13,0	1/2"	10	5/8-14	41,6	43,5	27,0
1232713	-0812	SN	08	13,0	1/2"	12	3/4-14	41,8	43,0	32,0
1232703	-1010	CR	10	16,0	5/8"	10	5/8-14	47,9	47,0	27,0
1232714	-1012	SN	10	16,0	5/8"	12	3/4-14	51,9	49,0	32,0
1232704	-1212	CR	12	19,0	3/4"	12	3/4-14	49,1	53,0	32,0
1232715	-1216	SN	12	19,0	3/4"	16	1-11	54,1	60,5	38,0
1232705	-1616	CR	16	25,0	1"	16	1-11	75,1	69,0	38,0
1232716	-1620	SN	16	25,0	1"	20	1 1/4-11	75,1	88,5	50,0

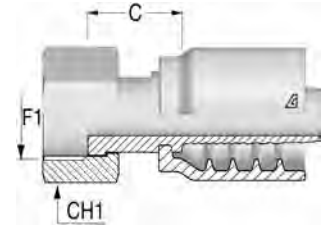
// C12A20581

**90° Compact BSPP Female 60° Cone
DKR 90**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1232668	-0606	CR	06	10,0	3/8"	06	3/8-19	18,8	22,0	22,0
1232669	-0808	CR	08	13,0	1/2"	08	1/2-14	22,6	24,5	27,0
1232670	-1212	CR	12	19,0	3/4"	12	3/4-14	26,7	31,0	32,0

// C12A20613

**BSP Female Flat Seat
DKR FD**

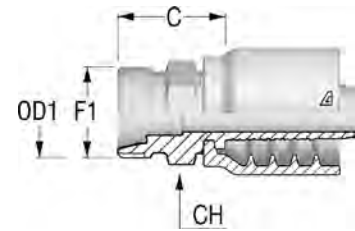
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size			
1232672	-0606	SN	06	10,0	3/8"	06	3/8-19	20,3	22,0
1232673	-0608	SN	06	10,0	3/8"	08	1/2-14	20,8	27,0
1232674	-0808	SN	08	13,0	1/2"	08	1/2-14	21,6	27,0
1232671	-1212	CR	12	19,0	3/4"	12	3/4-14	18,1	32,0

Dimensions shown may be changed without prior notice

// DIN METRIC INSERTS

// C12A11110

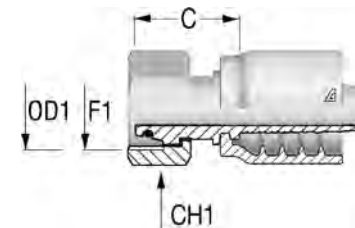
Metric Male 24° Seat - Light
DIN 3853 - CEL



Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	CH mm
			Dash	mm	in				
1232571	-0412	NA	04	6,0	1/4"	M12X1.5	6	21,3	14,0
1232572	-0414	NA	04	6,0	1/4"	M14X1.5	8	21,3	14,0
1232573	-0416	NA	04	6,0	1/4"	M16X1.5	10	23,3	17,0
1232574	-0516	NA	05	8,0	5/16"	M16X1.5	10	23,3	17,0
1232575	-0518	NA	05	8,0	5/16"	M18X1.5	12	24,3	19,0
1232576	-0616	NA	06	10,0	3/8"	M16X1.5	10	23,3	17,0
1232577	-0618	NA	06	10,0	3/8"	M18X1.5	12	24,3	19,0
1232578	-0622	NA	06	10,0	3/8"	M22X1.5	15	25,3	22,0
1232579	-0822	NA	08	13,0	1/2"	M22X1.5	15	26,1	22,0
1232580	-0826	NA	08	13,0	1/2"	M26X1.5	18	27,1	27,0
1232581	-1026	NA	10	16,0	5/8"	M26X1.5	18	27,1	27,0
1232582	-1230	NA	12	19,0	3/4"	M30X2	22	31,6	32,0
1232583	-1636	NA	16	25,0	1"	M36X2	28	34,4	36,0

// C12A21513

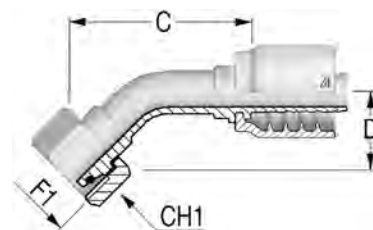
Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL



Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	CH1 mm
			Dash	mm	in				
1232717	-0412	CR	04	6,0	1/4"	M12X1.5	6	24,8	14,0
1232718	-0414	SN	04	6,0	1/4"	M14X1.5	8	24,4	17,0
1232719	-0416	SN	04	6,0	1/4"	M16X1.5	10	25,4	19,0
1232720	-0516	SN	05	8,0	5/16"	M16X1.5	10	25,4	19,0
1232723	-0622	SN	06	10,0	3/8"	M22X1.5	15	27,4	27,0
1232724	-0822	SN	08	13,0	1/2"	M22X1.5	15	28,2	27,0
1232725	-0826	SN	08	13,0	1/2"	M26X1.5	18	29,2	32,0
1232726	-1026	SN	10	16,0	5/8"	M26X1.5	18	29,2	32,0
1232727	-1230	SN	12	19,0	3/4"	M30X2	22	31,7	36,0
1232728	-1636	SN	16	25,0	1"	M36X2	28	33,6	41,0

// C12A21543

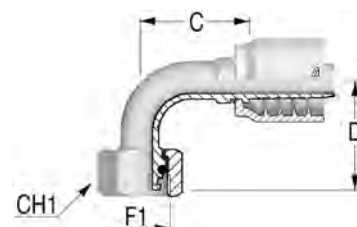
45° Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL 45
Solid one piece



Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1232729	-0414	SN	04	6,0	1/4"	M14X1.5	8	43,0	17,5	17,0
1232730	-0416	SN	04	6,0	1/4"	M16X1.5	10	42,0	20,0	19,0
1232731	-0516	SN	05	8,0	5/16"	M16X1.5	10	47,5	20,0	19,0
1232733	-0618	SN	06	10,0	3/8"	M18X1.5	12	46,8	19,5	22,0
1232734	-0822	SN	08	13,0	1/2"	M22X1.5	15	55,0	21,0	22,0
1232735	-1026	SN	10	16,0	5/8"	M26X1.5	18	65,3	24,0	32,0
1232736	-1230	SN	12	19,0	3/4"	M30X2	22	69,4	32,0	36,0
1232737	-1636	SN	16	25,0	1"	M36X2	28	91,4	32,0	41,0

// C12A21593

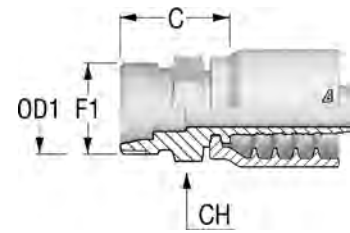
90° Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL 90
Solid one piece



Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1232738	-0412	CR	04	6,0	1/4"	M12X1.5	6	29,5	26,0	14,0
1232739	-0414	SN	04	6,0	1/4"	M14X1.5	8	28,3	32,5	17,0
1232740	-0416	SN	04	6,0	1/4"	M16X1.5	10	28,3	32,5	19,0
1232741	-0418	SN	04	6,0	1/4"	M18X1.5	12	28,8	35,0	22,0
1232742	-0516	SN	05	8,0	5/16"	M16X1.5	10	33,7	38,0	19,0
1232745	-0822	SN	08	13,0	1/2"	M22X1.5	15	39,8	40,5	27,0
1232746	-1026	SN	10	16,0	5/8"	M26X1.5	18	51,4	48,0	32,0
1232747	-1030	SN	10	16,0	5/8"	M30X2	22	52,4	49,0	36,0
1232748	-1230	SN	12	19,0	3/4"	M30X2	22	52,1	59,0	36,0
1232749	-1636	SN	16	25,0	1"	M36X2	28	77,6	68,0	41,0

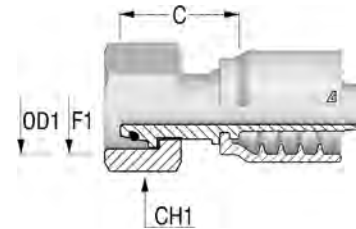
Dimensions shown may be changed without prior notice

// C12A11210

**Metric Male 24° Seat - Heavy
DIN 3853 - CES**

Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	CH mm
			Dash	mm	in				
1232584	-0418	NA	04	6,0	1/4"	M18X1.5	10	25,3	19,0
1232585	-0520	NA	05	8,0	5/16"	M20X1.5	12	25,3	22,0
1232586	-0620	NA	06	10,0	3/8"	M20X1.5	12	25,3	22,0
1232587	-0622	NA	06	10,0	3/8"	M22X1.5	14	27,3	22,0
1232588	-0824	NA	08	13,0	1/2"	M24X1.5	16	29,1	24,0
1232589	-1030	NA	10	16,0	5/8"	M30X2	20	33,1	32,0
1232590	-1230	NA	12	19,0	3/4"	M30X2	20	33,6	32,0
1232591	-1236	NA	12	19,0	3/4"	M36X2	25	37,6	36,0
1232592	-1642	NA	16	25,0	1"	M42X2	30	42,4	46,0

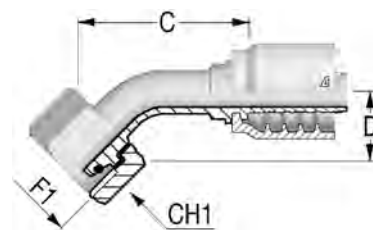
// C12A21613

**Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS**

Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	CH1 mm
			Dash	mm	in				
1232750	-0416	SN	04	6,0	1/4"	M16X1.5	8	27,7	19,0
1232751	-0418	SN	04	6,0	1/4"	M18X1.5	10	27,6	22,0
1232752	-0520	SN	05	8,0	5/16"	M20X1.5	12	27,6	24,0
1232755	-0622	SN	06	10,0	3/8"	M22X1.5	14	31,1	27,0
1232757	-0824	SN	08	13,0	1/2"	M24X1.5	16	31,7	30,0
1232759	-1230	SN	12	19,0	3/4"	M30X2	20	37,0	36,0
1232760	-1236	SN	12	19,0	3/4"	M36X2	25	40,2	46,0
1232761	-1636	SN	16	25,0	1"	M36X2	25	41,0	46,0
1232762	-1642	SN	16	25,0	1"	M42X2	30	43,1	50,0

// C12A21643

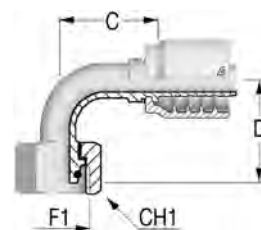
45° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 45
Solid one piece



Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1232763	-0416	SN	04	6,0	1/4"	M16X1.5	8	48,6	16,0	19,0
1232764	-0418	SN	04	6,0	1/4"	M18X1.5	10	43,5	19,0	22,0
1232765	-0520	SN	05	8,0	5/16"	M20X1.5	12	48,1	21,0	24,0
1232766	-0620	SN	06	10,0	3/8"	M20X1.5	12	50,6	20,0	24,0
1232767	-0622	SN	06	10,0	3/8"	M22X1.5	14	52,9	21,0	27,0
1232768	-0824	SN	08	13,0	1/2"	M24X1.5	16	55,8	21,5	30,0
1232769	-1030	SN	10	16,0	5/8"	M30X2	20	66,3	30,0	36,0
1232770	-1236	SN	12	19,0	3/4"	M36X2	25	69,5	33,0	46,0
1232771	-1642	SN	16	25,0	1"	M42X2	30	110,3	40,5	50,0

// C12A21693

90° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 90
Solid one piece

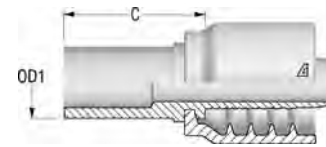


Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1232772	-0416	SN	04	6,0	1/4"	M16X1.5	8	27,3	33,0	19,0
1232773	-0418	SN	04	6,0	1/4"	M18X1.5	10	26,8	34,0	22,0
1232774	-0520	SN	05	8,0	5/16"	M20X1.5	12	33,2	39,0	24,0
1232775	-0618	TN	06	10,0	3/8"	M18X1.5	10	35,0	38,0	22,0
1232776	-0620	SN	06	10,0	3/8"	M20X1.5	12	34,3	38,5	24,0
1232777	-0622	SN	06	10,0	3/8"	M22X1.5	14	34,3	40,5	27,0
1232778	-0824	SN	08	13,0	1/2"	M24X1.5	16	39,8	41,5	30,0
1232779	-1030	SN	10	16,0	5/8"	M30X2	20	47,9	55,0	36,0
1232780	-1230	SN	12	19,0	3/4"	M30X2	20	50,6	58,0	36,0
1232781	-1236	SN	12	19,0	3/4"	M36X2	25	50,6	59,5	46,0
1232782	-1642	SN	16	25,0	1"	M42X2	30	75,6	79,0	50,0

Dimensions shown may be changed without prior notice

// C12A52010

Metric Straight Standpipe - DIN 2353 RSL/RSS

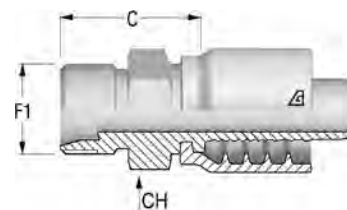


Item Code	Tail/Head	Dash	ID		OD1	C
	Dash/mm		mm	in		
1233002	-0408	04	6,0	1/4"	8	30,2
1233003	-0610	06	10,0	3/8"	10	30,3
1233004	-0815	08	13,0	1/2"	15	32,1
1233005	-0816	08	13,0	1/2"	16	37,1

// SAE INSERTS

// C12A13B10

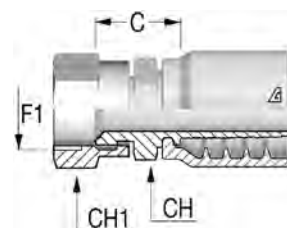
SAE Male Flareless



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1240072	-0404	NA	04	6,0	1/4"	04	7/16-20	21,8	12,0
1242131	-0506	NA	05	8,0	5/16"	06	9/16-18	24,2	16,0
1239967	-0606	NA	06	10,0	3/8"	06	9/16-18	24,2	16,0
1242132	-0608	NA	06	10,0	3/8"	08	3/4-16	27,6	22,0
1237777	-0808	NA	08	13,0	1/2"	08	3/4-16	28,4	22,0
1242133	-1212	NA	12	19,0	3/4"	12	1 1/16-12	33,1	30,0
1242135	-1616	NA	16	25,0	1"	16	-	37,9	36,0

// C12A26611

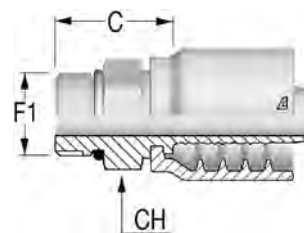
SAE Female Swivel 45° Seat



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size				
1232955	-0606	CR	06	10,0	3/8"	06	5/8-18	23,3	19,0	22,0
1232956	-1212	CR	12	19,0	3/4"	12	1 1/16-14	28,6	27,0	32,0

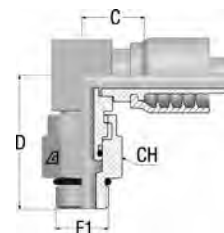
Dimensions shown may be changed without prior notice

// C12A13010

**SAE Male Solid
O-Ring Boss**

Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size		mm	mm
1232654	-0404	NA	04	6,0	1/4"	04	7/16-20	20,3	14,0
1232655	-0405	NA	04	6,0	1/4"	05	1/2-20	21,3	16,0
1232656	-0406	NA	04	6,0	1/4"	06	9/16-18	22,3	17,0
1232657	-0606	NA	06	10,0	3/8"	06	9/16-18	23,3	19,0
1232658	-0608	NA	06	10,0	3/8"	08	3/4-16	24,3	22,0
1232659	-0610	NA	06	10,0	3/8"	10	7/8-14	26,8	27,0
1232660	-0808	NA	08	13,0	1/2"	08	3/4-16	25,1	22,0
1232661	-0810	NA	08	13,0	1/2"	10	7/8-14	27,6	27,0
1232662	-0812	NA	08	13,0	1/2"	12	1 1/16-12	32,1	32,0
1232663	-1012	NA	10	16,0	5/8"	12	1 1/16-12	32,1	32,0
1232664	-1210	NA	12	19,0	3/4"	10	7/8-14	28,1	27,0
1232665	-1212	NA	12	19,0	3/4"	12	1 1/16-12	32,6	32,0
1232666	-1216	NA	12	19,0	3/4"	16	1 5/16-12	34,6	38,0
1232667	-1616	NA	16	25,0	1"	16	1 5/16-12	35,4	38,0

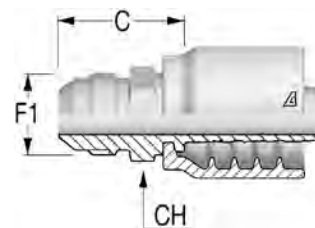
// C12A13081

**90° Compact SAE Male Swivel
O-Ring Boss**

Item Code	Tale/Head	Nut Type	ID			F1	F1	C	D Drop	CH
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1240611	-0404	CR	04	6,0	1/4"	04	7/16-20	17,0	35,0	17,0
1240612	-0405	CR	04	6,0	1/4"	05	1/2-20	17,0	35,0	17,0
1240613	-0406	CR	04	6,0	1/4"	06	9/16-18	19,0	42,0	22,0
1240614	-0606	CR	06	10,0	3/8"	06	9/16-18	20,0	44,0	22,0
1240615	-0608	CR	06	10,0	3/8"	08	3/4-16	22,0	45,0	25,0
1240616	-0808	CR	08	13,0	1/2"	08	3/4-16	23,0	48,0	25,0
1240001	-0810	CR	08	13,0	1/2"	10	7/8-14	23,0	50,0	25,0
1240617	-1212	CR	12	19,0	3/4"	12	1 1/16-12	27,0	60,0	32,0
1240618	-1616	CR	16	25,0	1"	16	1 5/16-12	33,4	67,5	41,0

// JIC 37° INSERTS

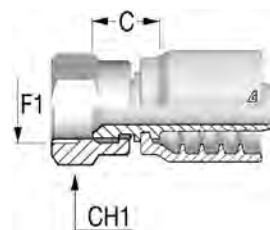
// C12A12510

JIC Male 37° Cone
AGJ

Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1232606	-0404	NA	04	6,0	1/4"	04	7/16-20	25,3	12,0
1232607	-0405	NA	04	6,0	1/4"	05	1/2-20	25,3	14,0
1232608	-0406	NA	04	6,0	1/4"	06	9/16-18	26,3	17,0
1232609	-0505	NA	05	8,0	5/16"	05	1/2-20	25,3	14,0
1232610	-0506	NA	05	8,0	5/16"	06	9/16-18	26,3	17,0
1232611	-0606	NA	06	10,0	3/8"	06	9/16-18	26,3	17,0
1232612	-0608	NA	06	10,0	3/8"	08	3/4-16	29,8	19,0
1232613	-0610	NA	06	10,0	3/8"	10	7/8-14	33,8	24,0
1232614	-0808	NA	08	13,0	1/2"	08	3/4-16	30,6	19,0
1232615	-0810	NA	08	13,0	1/2"	10	7/8-14	34,6	24,0
1232616	-0812	NA	08	13,0	1/2"	12	1 1/16-12	37,1	27,0
1232617	-1010	NA	10	16,0	5/8"	10	7/8-14	34,6	24,0
1232618	-1012	NA	10	16,0	5/8"	12	1 1/16-12	37,1	27,0
1232619	-1212	NA	12	19,0	3/4"	12	1 1/16-12	37,6	27,0
1232620	-1214	NA	12	19,0	3/4"	14	1 3/16-12	40,1	32,0
1232621	-1216	NA	12	19,0	3/4"	16	1 5/16-12	42,6	36,0
1232622	-1616	NA	16	25,0	1"	16	1 5/16-12	43,4	36,0
1232623	-1620	NA	16	25,0	1"	20	1 5/8-12	46,9	46,0

Dimensions shown may be changed without prior notice

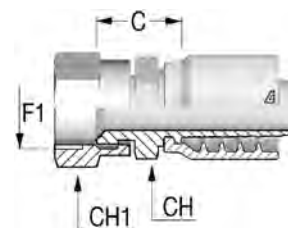
// C12A22511

**JIC Female 37° Seat
DKJ**

Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm
1232848	-0404	CR	04	6,0	1/4"	04	7/16-20	14,6	16,0
1232849	-0405	CR	04	6,0	1/4"	05	1/2-20	15,3	17,0
1232850	-0406	CR	04	6,0	1/4"	06	9/16-18	15,3	19,0
1232851	-0505	CR	05	8,0	5/16"	05	1/2-20	15,3	17,0
1232852	-0506	CR	05	8,0	5/16"	06	9/16-18	15,3	19,0
1232853	-0606	CR	06	10,0	3/8"	06	9/16-18	15,3	19,0
1232854	-0608	CR	06	10,0	3/8"	08	3/4-16	17,8	25,0
1232855	-0808	CR	08	13,0	1/2"	08	3/4-16	18,6	25,0
1232856	-0810	CR	08	13,0	1/2"	10	7/8-14	19,6	27,0
1232857	-0812	CR	08	13,0	1/2"	12	1 1/16-12	22,1	32,0
1232858	-1010	CR	10	16,0	5/8"	10	7/8-14	19,6	27,0
1232859	-1012	CR	10	16,0	5/8"	12	1 1/16-12	20,1	32,0
1232860	-1210	CR	12	19,0	3/4"	10	7/8-14	20,1	27,0
1232861	-1212	CR	12	19,0	3/4"	12	1 1/16-12	20,6	32,0
1232862	-1214	CR	12	19,0	3/4"	14	1 3/16-12	19,9	36,0
1232863	-1216	CR	12	19,0	3/4"	16	1 5/16-12	22,1	38,0
1232864	-1616	CR	16	25,0	1"	16	1 5/16-12	23,9	38,0
1232865	-1620	TN	16	25,0	1"	20	1 5/8-12	26,5	50,0

// C12A26511

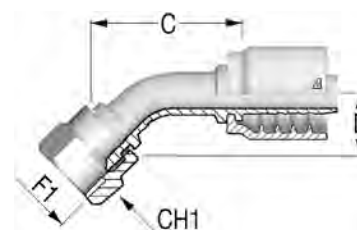
**JIC Female 37° Seat with Stem Hexagon
DKJ**



Item Code	Tail/Head	Nut Type	ID			F1		F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size	mm				
1232933	-0404	CR	04	6,0	1/4"	04	7/16-20	19,6	14,0	16,0	
1232934	-0405	CR	04	6,0	1/4"	05	1/2-20	20,3	14,0	17,0	
1232935	-0406	CR	04	6,0	1/4"	06	9/16-18	20,3	14,0	19,0	
1232936	-0506	CR	05	8,0	5/16"	06	9/16-18	20,3	14,0	19,0	
1232937	-0604	CR	06	10,0	3/8"	04	7/16-20	20,6	17,0	16,0	
1232938	-0606	CR	06	10,0	3/8"	06	9/16-18	21,3	17,0	19,0	
1232939	-0608	CR	06	10,0	3/8"	08	3/4-16	24,8	19,0	25,0	
1232940	-0610	CR	06	10,0	3/8"	10	7/8-14	25,8	22,0	27,0	
1232941	-0806	CR	08	13,0	1/2"	06	9/16-18	23,1	19,0	19,0	
1232942	-0808	CR	08	13,0	1/2"	08	3/4-16	25,6	19,0	25,0	
1232943	-0810	CR	08	13,0	1/2"	10	7/8-14	26,6	22,0	27,0	
1232944	-0812	CR	08	13,0	1/2"	12	1 1/16-12	28,1	25,0	32,0	
1232945	-1008	CR	10	16,0	5/8"	08	3/4-16	26,6	24,0	25,0	
1232946	-1010	CR	10	16,0	5/8"	10	7/8-14	27,6	24,0	27,0	
1232947	-1012	CR	10	16,0	5/8"	12	1 1/16-12	28,1	25,0	32,0	
1232948	-1210	CR	12	19,0	3/4"	10	7/8-14	28,1	27,0	27,0	
1232949	-1212	CR	12	19,0	3/4"	12	1 1/16-12	28,6	27,0	32,0	
1232950	-1214	CR	12	19,0	3/4"	14	1 3/16-12	29,9	32,0	36,0	
1232951	-1216	CR	12	19,0	3/4"	16	1 5/16-12	32,1	32,0	38,0	
1232952	-1612	CR	16	25,0	1"	12	1 1/16-12	31,4	32,0	32,0	
1232953	-1616	CR	16	25,0	1"	16	1 5/16-12	32,9	32,0	38,0	
1232954	-1620	TN	16	25,0	1"	20	1 5/8-12	37,5	41,0	50,0	

// C12A22541-M

**45° JIC Female 37° Seat - Medium Drop
DKJ 45M
Solid one piece**

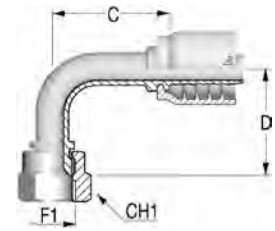


Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
1232866	-0404	CR	04	6,0	1/4"	04	7/16-20	36,6	10,0	16,0	
1232867	-0405	CR	04	6,0	1/4"	05	1/2-20	37,2	12,0	17,0	
1232868	-0406	CR	04	6,0	1/4"	06	9/16-18	39,4	11,0	19,0	
1232869	-0506	CR	05	8,0	5/16"	06	9/16-18	42,8	12,0	19,0	
1232870	-0606	CR	06	10,0	3/8"	06	9/16-18	46,3	11,0	19,0	
1232871	-0608	CR	06	10,0	3/8"	08	3/4-16	47,2	15,0	25,0	
1232872	-0808	CR	08	13,0	1/2"	08	3/4-16	51,6	15,0	25,0	
1232873	-0810	CR	08	13,0	1/2"	10	7/8-14	50,7	16,0	27,0	
1232874	-0812	CR	08	13,0	1/2"	12	1 1/16-12	57,0	21,0	32,0	
1232875	-1010	CR	10	16,0	5/8"	10	7/8-14	62,2	19,0	27,0	
1232876	-1012	CR	10	16,0	5/8"	12	1 1/16-12	68,6	21,0	32,0	
1232877	-1212	CR	12	19,0	3/4"	12	1 1/16-12	67,5	21,0	32,0	
1232878	-1216	CR	12	19,0	3/4"	16	1 5/16-12	71,4	26,0	38,0	
1232879	-1616	CR	16	25,0	1"	16	1 5/16-12	79,4	24,0	38,0	
1232880	-1620	TN	16	25,0	1"	20	1 5/8-12	83,8	37,0	50,0	

Dimensions shown may be changed without prior notice

// C12A22591-S

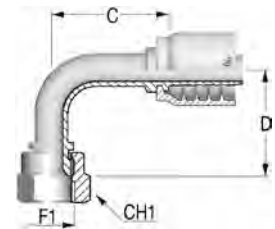
90° JIC Female 37° Seat - Short Drop
DKJ 90S
Solid one piece



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1232883	-0404	CR	04	6,0	1/4"	04	7/16-20	27,0	21,0	16,0
1232885	-0405	CR	04	6,0	1/4"	05	1/2-20	26,5	23,5	17,0
1232887	-0406	CR	04	6,0	1/4"	06	9/16-18	31,0	23,0	19,0
1232892	-0606	CR	06	10,0	3/8"	06	9/16-18	42,3	23,0	19,0
1232895	-0608	CR	06	10,0	3/8"	08	3/4-16	48,8	29,0	25,0
1232898	-0808	CR	08	13,0	1/2"	08	3/4-16	46,4	29,0	25,0
1232901	-0810	CR	08	13,0	1/2"	10	7/8-14	45,8	32,0	27,0
1232903	-0812	CR	08	13,0	1/2"	12	1 1/16-12	37,3	46,0	32,0
1232907	-1012	CR	10	16,0	5/8"	12	1 1/16-12	47,9	48,0	32,0
1232910	-1212	CR	12	19,0	3/4"	12	1 1/16-12	58,2	46,0	32,0
1232912	-1216	CR	12	19,0	3/4"	16	1 5/16-12	53,6	53,0	38,0
1232915	-1616	CR	16	25,0	1"	16	1 5/16-12	74,0	56,0	38,0

// C12A22591-M

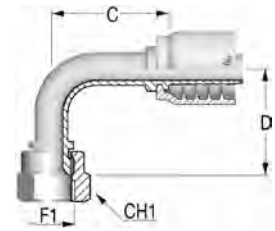
90° JIC Female 37° Seat - Medium Drop
DKJ 90M
Solid one piece



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1232882	-0404	CR	04	6,0	1/4"	04	7/16-20	34,2	32,0	16,0
1232884	-0405	CR	04	6,0	1/4"	05	1/2-20	25,7	30,0	17,0
1232886	-0406	CR	04	6,0	1/4"	06	9/16-18	28,5	38,0	19,0
1232888	-0505	CR	05	8,0	5/16"	05	1/2-20	34,2	32,0	17,0
1232889	-0506	CR	05	8,0	5/16"	06	9/16-18	33,2	35,0	19,0
1232891	-0606	CR	06	10,0	3/8"	06	9/16-18	31,3	35,0	19,0
1232894	-0608	CR	06	10,0	3/8"	08	3/4-16	39,5	41,0	25,0
1232897	-0808	CR	08	13,0	1/2"	08	3/4-16	37,2	40,0	25,0
1232900	-0810	CR	08	13,0	1/2"	10	7/8-14	43,3	47,0	27,0
1232902	-0812	CR	08	13,0	1/2"	12	1 1/16-12	42,8	58,0	32,0
1232905	-1010	CR	10	16,0	5/8"	10	7/8-14	49,4	48,0	27,0
1232906	-1012	CR	10	16,0	5/8"	12	1 1/16-12	47,9	58,0	32,0
1232909	-1212	CR	12	19,0	3/4"	12	1 1/16-12	52,4	54,0	32,0
1232911	-1216	CR	12	19,0	3/4"	16	1 5/16-12	52,6	72,0	38,0
1232914	-1616	CR	16	25,0	1"	16	1 5/16-12	72,6	71,5	38,0
1232916	-1620	TN	16	25,0	1"	20	1 5/8-12	72,6	78,0	50,0

// C12A22591-L

90° JIC Female 37° Seat - Long Drop
DKJ 90L
Solid one piece

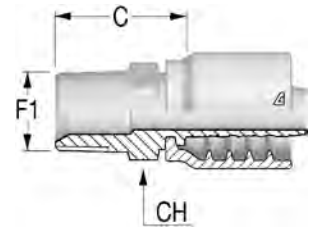


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1232881	-0404	CR	04	6,0	1/4"	04	7/16-20	30,8	46,0	16,0
1232890	-0606	CR	06	10,0	3/8"	06	9/16-18	43,3	54,0	19,0
1232893	-0608	CR	06	10,0	3/8"	08	3/4-16	46,8	64,0	25,0
1232896	-0808	CR	08	13,0	1/2"	08	3/4-16	49,9	64,0	25,0
1232899	-0810	CR	08	13,0	1/2"	10	7/8-14	37,3	65,0	27,0
1232904	-1010	CR	10	16,0	5/8"	10	7/8-14	49,9	65,0	27,0
1232908	-1212	CR	12	19,0	3/4"	12	1 1/16-12	54,1	95,0	32,0
1232913	-1616	CR	16	25,0	1"	16	1 5/16-12	78,6	114,0	38,0

Dimensions shown may be changed without prior notice

// NPTF INSERTS

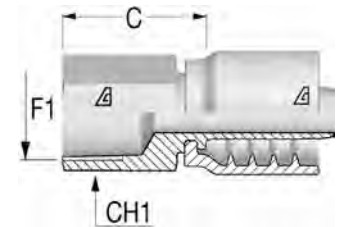
// C12A12810

NPTF Male 60° Seat
AGN

Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1232624	-0402	NA	04	6,0	1/4"	02	1/8-27	21,3	14,0
1232650	-0404	NA	04	6,0	1/4"	04	1/4-18	26,8	14,3
1232625	-0406	NA	04	6,0	1/4"	06	3/8-18	27,8	17,0
1232626	-0408	NA	04	6,0	1/4"	08	1/2-14	31,3	22,0
1232627	-0504	NA	05	8,0	5/16"	04	1/4-18	26,8	19,0
1232628	-0506	NA	05	8,0	5/16"	06	3/8-18	27,8	22,0
1232629	-0604	NA	06	10,0	3/8"	04	1/4-18	26,8	17,0
1232630	-0606	NA	06	10,0	3/8"	06	3/8-18	27,8	19,0
1232631	-0608	NA	06	10,0	3/8"	08	1/2-14	31,3	22,0
1232632	-0806	NA	08	13,0	1/2"	06	3/8-18	28,6	17,0
1232633	-0808	NA	08	13,0	1/2"	08	1/2-14	32,1	19,0
1232634	-0812	NA	08	13,0	1/2"	12	3/4-14	34,1	22,0
1232635	-1008	NA	10	16,0	5/8"	08	1/2-14	33,1	22,0
1232636	-1012	NA	10	16,0	5/8"	12	3/4-14	34,1	25,0
1232637	-1208	NA	12	19,0	3/4"	08	1/2-14	33,6	19,0
1232638	-1212	NA	12	19,0	3/4"	12	3/4-14	34,6	22,0
1232639	-1216	NA	12	19,0	3/4"	16	1-11 1/2	43,6	22,0
1232640	-1616	NA	16	25,0	1"	16	1-11 1/2	44,4	25,0
1232641	-1620	NA	16	25,0	1"	20	1 1/4-11 1/2	47,4	27,0

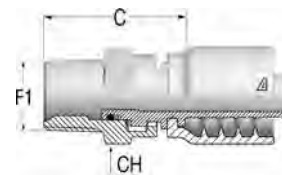
// C12A22810

NPTF Female Solid



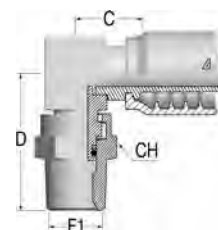
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1232917	-0404	NA	04	6,0	1/4"	04	1/4-18	27,8	19,0
1232918	-0606	NA	06	10,0	3/8"	06	3/8-18	28,8	22,0
1232919	-0808	NA	08	13,0	1/2"	08	1/2-14	35,6	25,0
1232920	-1212	NA	12	19,0	3/4"	12	3/4-14	38,1	32,0
1232921	-1616	NA	16	25,0	1"	16	1-11 1/2	44,9	38,0

// C12A12811

NPTF Male Swivel 60° Seat

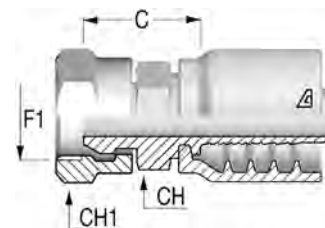
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1232642	-0404	NA	04	6,0	1/4"	04	1/4-18	37,6	24,0
1232643	-0604	NA	06	10,0	3/8"	04	1/4-18	39,6	27,0
1232644	-0606	NA	06	10,0	3/8"	06	3/8-18	37,5	27,0
1232645	-0608	CR	06	10,0	3/8"	08	1/2-14	43,5	32,0
1232646	-0806	NA	08	13,0	1/2"	06	3/8-18	38,3	36,0
1232647	-0808	NA	08	13,0	1/2"	08	1/2-14	42,3	36,0
1232648	-1212	CR	12	19,0	3/4"	12	3/4-14	50,1	41,0
1232649	-1616	NA	16	25,0	1"	16	1-11 1/2	57,9	41,0

// C12A12881

90° Compact NPTF Male Swivel 60° Seat

Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH
	Dash		Dash	mm	in	Dash Size				
1232651	-0404	CR	04	6,0	1/4"	04	1/4-18	17,0	39,0	17,0
1232652	-0606	CR	06	10,0	3/8"	06	3/8-18	20,0	41,0	22,0
1232653	-0808	CR	08	13,0	1/2"	08	1/2-14	23,0	48,0	22,0

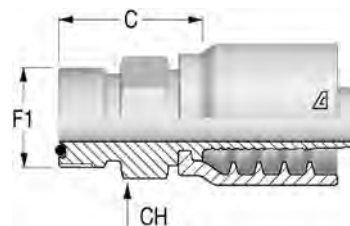
Dimensions shown may be changed without prior notice

// NPSM INSERTS**// C12A27311
NPSM Female**

Item Code	Tail/Head Dash	Nut Type	ID			F1		C	CH	CH1
			Dash	mm	in	Dash Size	F1			
1232957	-0404	CR	04	6,0	1/4"	04	1/4-18	24,3	19,0	19,0
1232958	-0606	CR	06	10,0	3/8"	06	3/8-18	24,8	22,0	22,0
1232959	-0808	CR	08	13,0	1/2"	08	1/2-14	26,6	22,0	27,0
1232960	-1212	CR	12	19,0	3/4"	12	3/4-14	28,6	32,0	32,0
1232961	-1616	CR	16	25,0	1"	16	1-11 1/2	35,4	36,0	38,0

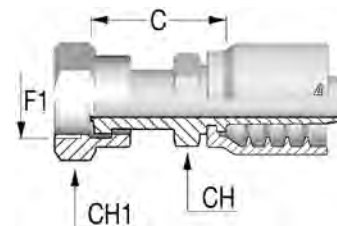
// ORFS INSERTS

// C12A12410 ORFS Male



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1232593	-0404	NA	04	6,0	1/4"	04	9/16-18	22,3	17,0
1232594	-0406	NA	04	6,0	1/4"	06	11/16-16	24,3	19,0
1232595	-0606	NA	06	10,0	3/8"	06	11/16-16	24,3	19,0
1232596	-0608	NA	06	10,0	3/8"	08	13/16-16	26,3	22,0
1232597	-0610	NA	06	10,0	3/8"	10	1-14	29,8	27,0
1232598	-0808	NA	08	13,0	1/2"	08	13/16-16	27,1	22,0
1232599	-0810	NA	08	13,0	1/2"	10	1-14	30,6	27,0
1232600	-0812	NA	08	13,0	1/2"	12	1 3/16-12	34,1	32,0
1232601	-1010	NA	10	16,0	5/8"	10	1-14	30,6	27,0
1232602	-1012	NA	10	16,0	5/8"	12	1 3/16-12	34,1	32,0
1232603	-1212	NA	12	19,0	3/4"	12	1 3/16-12	34,6	32,0
1232604	-1216	NA	12	19,0	3/4"	16	1 7/16-12	38,1	41,0
1232605	-1616	NA	16	25,0	1"	16	1 7/16-12	37,9	38,0

// C12A22411 ORFS Female with Stem Hexagon

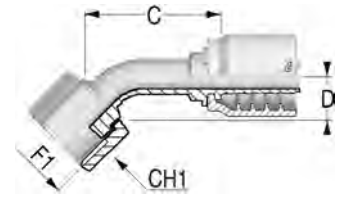


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size				
1232783	-0404	CR	04	6,0	1/4"	04	9/16-18	27,3	14,0	17,0
1232784	-0406	CR	04	6,0	1/4"	06	11/16-16	30,3	17,0	22,0
1232785	-0408	CR	04	6,0	1/4"	08	13/16-16	35,3	22,0	24,0
1232786	-0506	CR	05	8,0	5/16"	06	11/16-16	30,3	17,0	22,0
1232787	-0606	CR	06	10,0	3/8"	06	11/16-16	30,3	17,0	22,0
1232788	-0608	CR	06	10,0	3/8"	08	13/16-16	35,3	22,0	24,0
1232789	-0806	CR	08	13,0	1/2"	06	11/16-16	32,1	19,0	22,0
1232790	-0808	CR	08	13,0	1/2"	08	13/16-16	36,1	22,0	24,0
1232791	-0810	CR	08	13,0	1/2"	10	1-14	39,6	24,0	30,0
1232792	-0812	CR	08	13,0	1/2"	12	1 3/16-12	42,1	30,0	36,0
1232793	-1010	CR	10	16,0	5/8"	10	1-14	39,6	24,0	30,0
1232794	-1012	CR	10	16,0	5/8"	12	1 3/16-12	42,1	30,0	36,0
1232795	-1210	CR	12	19,0	3/4"	10	1-14	40,1	27,0	30,0
1232796	-1212	CR	12	19,0	3/4"	12	1 3/16-12	42,6	30,0	36,0
1232797	-1216	CR	12	19,0	3/4"	16	1 7/16-12	48,6	36,0	41,0
1232798	-1612	CR	16	25,0	1"	12	1 3/16-12	45,4	32,0	36,0
1232799	-1616	CR	16	25,0	1"	16	1 7/16-12	49,4	36,0	41,0
1232800	-1620	CR	16	25,0	1"	20	1 11/16-12	50,4	41,0	50,0

Dimensions shown may be changed without prior notice

// C12A22443-M

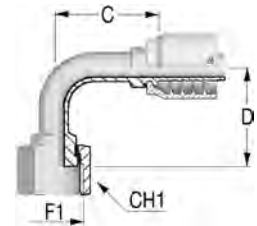
45° ORFS Female - Medium Drop
DK ORFS 45M
Solid one piece



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1232802	-0404	SN	04	6,0	1/4"	04	9/16-18	41,1	11,0	17,0
1232803	-0406	SN	04	6,0	1/4"	06	11/16-16	46,1	11,0	22,0
1232804	-0506	SN	05	8,0	5/16"	06	11/16-16	46,3	12,0	22,0
1232805	-0606	SN	06	10,0	3/8"	06	11/16-16	47,4	12,0	22,0
1232806	-0608	SN	06	10,0	3/8"	08	13/16-16	51,2	15,0	24,0
1232801	-0808	CR	08	13,0	1/2"	08	13/16-16	47,1	16,0	24,0
1232807	-0810	SN	08	13,0	1/2"	10	1-14	50,4	16,5	30,0
1232808	-1010	SN	10	16,0	5/8"	10	1-14	57,7	17,0	30,0
1232809	-1012	SN	10	16,0	5/8"	12	1 3/16-12	63,1	21,0	36,0
1232810	-1212	SN	12	19,0	3/4"	12	1 3/16-12	63,5	21,0	36,0
1232811	-1216	SN	12	19,0	3/4"	16	1 7/16-12	70,7	24,0	41,0
1232812	-1616	SN	16	25,0	1"	16	1 7/16-12	82,4	26,0	41,0
1232813	-1620	SN	16	25,0	1"	20	1 11/16-12	85,4	26,0	50,0

// C12A22493-S

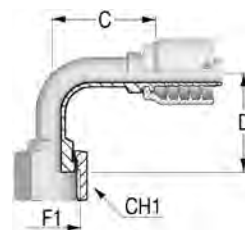
90° ORFS Female - Short Drop
DK ORFS 90S
Solid one piece



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1232819	-0404	SN	04	6,0	1/4"	04	9/16-18	28,5	21,0	17,0
1232822	-0406	SN	04	6,0	1/4"	06	11/16-16	32,0	23,0	22,0
1232826	-0606	SN	06	10,0	3/8"	06	11/16-16	41,8	25,0	22,0
1232829	-0608	SN	06	10,0	3/8"	08	13/16-16	41,8	29,0	24,0
1232816	-0808	CR	08	13,0	1/2"	08	13/16-16	39,8	29,0	24,0
1232832	-0810	SN	08	13,0	1/2"	10	1-14	46,3	32,5	30,0
1232835	-1010	SN	10	16,0	5/8"	10	1-14	52,3	32,5	30,0
1232837	-1012	SN	10	16,0	5/8"	12	1 3/16-12	55,4	49,0	36,0
1232840	-1212	SN	12	19,0	3/4"	12	1 3/16-12	60,6	51,0	36,0
1232842	-1216	SN	12	19,0	3/4"	16	1 7/16-12	61,6	56,0	41,0
1232845	-1616	SN	16	25,0	1"	16	1 7/16-12	80,0	58,0	41,0
1232847	-1620	SN	16	25,0	1"	20	1 11/16-12	82,6	64,0	50,0

// C12A22493-M

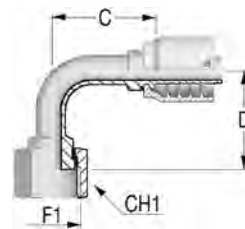
90° ORFS Female - Medium Drop
DK ORFS 90M
Solid one piece



Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
1232818	-0404	SN	04	6,0	1/4"	04	9/16-18	29,8	32,0	17,0	
1232821	-0406	SN	04	6,0	1/4"	06	11/16-16	37,3	38,0	22,0	
1232823	-0506	SN	05	8,0	5/16"	06	11/16-16	40,7	34,0	22,0	
1232825	-0606	SN	06	10,0	3/8"	06	11/16-16	41,8	38,0	22,0	
1232828	-0608	SN	06	10,0	3/8"	08	13/16-16	43,8	41,0	24,0	
1232815	-0808	CR	08	13,0	1/2"	08	13/16-16	34,8	42,0	24,0	
1232831	-0810	SN	08	13,0	1/2"	10	1-14	48,3	47,0	30,0	
1232834	-1010	SN	10	16,0	5/8"	10	1-14	55,4	44,0	30,0	
1232836	-1012	SN	10	16,0	5/8"	12	1 3/16-12	55,4	58,0	36,0	
1232839	-1212	SN	12	19,0	3/4"	12	1 3/16-12	61,6	58,0	36,0	
1232841	-1216	SN	12	19,0	3/4"	16	1 7/16-12	65,6	71,0	41,0	
1232844	-1616	SN	16	25,0	1"	16	1 7/16-12	82,6	66,0	41,0	
1232846	-1620	SN	16	25,0	1"	20	1 11/16-12	82,6	78,0	50,0	

// C12A22493-L

90° ORFS Female - Long Drop
DK ORFS 90L
Solid one piece



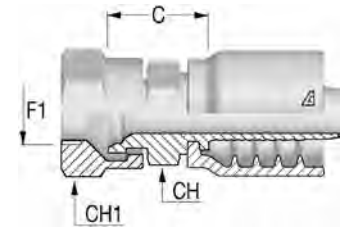
Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
1232817	-0404	CR	04	6,0	1/4"	04	9/16-18	32,8	46,0	24,0	
1232820	-0406	SN	04	6,0	1/4"	06	11/16-16	34,8	54,0	30,0	
1232824	-0606	SN	06	10,0	3/8"	06	11/16-16	41,8	54,0	30,0	
1232827	-0608	SN	06	10,0	3/8"	08	13/16-16	46,8	64,0	30,0	
1232814	-0808	CR	08	13,0	1/2"	08	13/16-16	38,3	64,0	30,0	
1232830	-0810	SN	08	13,0	1/2"	10	1-14	46,3	70,0	36,0	
1232833	-1010	SN	10	16,0	5/8"	10	1-14	55,4	70,0	36,0	
1232838	-1212	SN	12	19,0	3/4"	12	1 3/16-12	61,6	96,0	41,0	
1232843	-1616	SN	16	25,0	1"	16	1 7/16-12	82,6	114,0	41,0	

Dimensions shown may be changed without prior notice

// JIS INSERTS

// C12A2381Z

JIS Female 60° Seat Flare - B 8363 (type F)

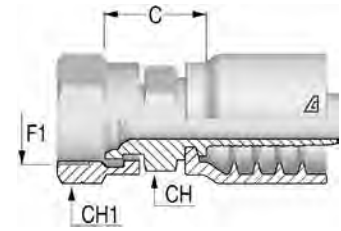


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1232922	-0404	CR	04	6,0	1/4"	04	1/4-19	20,8	17,0	19,0
1232923	-0606	CR	06	10,0	3/8"	06	3/8-19	21,8	19,0	22,0
1232924	-0808	CR	08	13,0	1/2"	08	1/2-14	23,6	22,0	27,0
1232925	-1212	CR	12	19,0	3/4"	12	3/4-14	27,1	30,0	36,0
1232926	-1616	CR	16	25,0	1"	16	1-11	32,9	36,0	41,0

// KOMATSU INSERTS

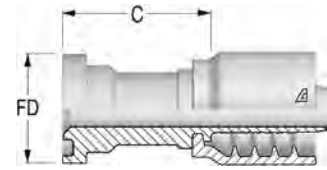
// C12A24011

Komatsu Female

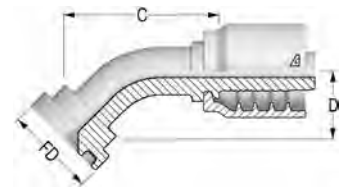


Item Code	Tail/Head Dash	Nut Type	ID			F1		F1	C	CH	CH1
			Dash	mm	in	Dash Size	mm				
1232927	-0414	CR	04	6,0	1/4"	14	M14X1.5	20,8	17,0	19,0	
1232928	-0618	CR	06	10,0	3/8"	18	M18X1.5	21,8	19,0	22,0	
1232929	-0822	CR	08	13,0	1/2"	22	M22X1.5	23,6	22,0	27,0	
1232930	-1024	CR	10	16,0	5/8"	24	M24X1.5	27,1	32,0	32,0	
1232931	-1230	CR	12	19,0	3/4"	30	M30X1.5	27,6	30,0	36,0	
1232932	-1633	CR	16	25,0	1"	33	M33X1.5	35,7	41,0	41,0	

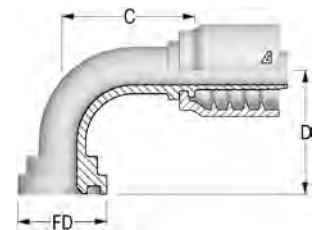
Dimensions shown may be changed without prior notice

// SAE FLANGES**// C12A43310****Flange SAE 3000 PSI J518 Code 61 - SFL**

Item Code	Tail/Head	ID		Flange		Flange Size	C	FD	WP
	Dash	Dash	mm	in	Dash Size				
1232962	-0808	08	13,0	1/2"	08	1/2	41,0	30,2	5000
1232963	-0812	08	13,0	1/2"	12	3/4	42,0	38,1	5000
1232964	-1212	12	19,0	3/4"	12	3/4	42,5	38,1	5000
1232965	-1216	12	19,0	3/4"	16	1	50,5	44,5	5000
1232966	-1616	16	25,0	1"	16	1	51,4	44,5	5000
1232967	-1620	16	25,0	1"	20	1 1/4	53,9	50,8	4000

// C12A43340**45° Flange SAE 3000 PSI J518 Code 61 - SFL 45
Solid one piece**

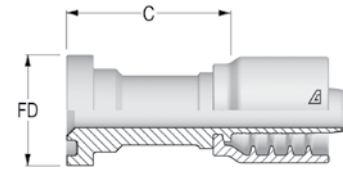
Item Code	Tail/Head	ID		Flange		Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size					
1232968	-0808	08	13,0	1/2"	08	1/2	30,2	52,9	22,0	5000
1232969	-0812	08	13,0	1/2"	12	3/4	38,1	60,3	26,0	5000
1232970	-1012	10	16,0	5/8"	12	3/4	38,1	65,0	26,0	5000
1232971	-1212	12	19,0	3/4"	12	3/4	38,1	73,7	32,0	5000
1232972	-1216	12	19,0	3/4"	16	1	44,5	77,9	29,0	5000
1232973	-1616	16	25,0	1"	16	1	44,5	82,7	33,5	5000
1232974	-1620	16	25,0	1"	20	1 1/4	50,8	82,2	36,0	4000

// C12A43390**90° Flange SAE 3000 PSI J518 Code 61 - SFL 90
Solid one piece**

Item Code	Tail/Head	ID		Flange		Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size					
1232975	-0808	08	13,0	1/2"	08	1/2	30,2	45,8	42,0	5000
1232976	-0812	08	13,0	1/2"	12	3/4	38,1	45,3	51,0	5000
1232977	-1212	12	19,0	3/4"	12	3/4	38,1	59,7	58,0	5000
1232978	-1216	12	19,0	3/4"	16	1	44,5	66,2	64,5	5000
1232979	-1616	16	25,0	1"	16	1	44,5	70,6	67,0	5000
1232980	-1620	16	25,0	1"	20	1 1/4	50,8	73,6	71,0	4000
1232981	-1624	16	25,0	1"	24	1 1/2	60,3	93,1	75,0	3000

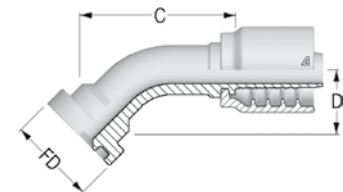
// C12A43610

Flange SAE 6000 PSI J518 Code 62 - SFS



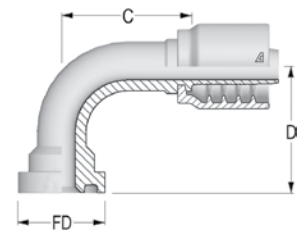
Item Code	Tail/Head	ID		Flange		Flange Size	C	FD	WP
	Dash	Dash	mm	in	Dash Size				
1232982	-0808	08	13,0	1/2"	08	1/2	47,0	31,8	6000
1232983	-0812	08	13,0	1/2"	12	3/4	52,0	41,3	6000
1232984	-1212	12	19,0	3/4"	12	3/4	52,5	41,3	6000
1232985	-1216	12	19,0	3/4"	16	1	55,5	47,6	6000
1232986	-1612	16	25,0	1"	12	3/4	56,4	41,3	6000
1232987	-1616	16	25,0	1"	16	1	56,4	47,6	6000
1232988	-1620	16	25,0	1"	20	1 1/4	63,4	54,0	6000

// C12A43640

45° Flange SAE 6000 PSI J518 Code 62 - SFS 45
Solid one piece

Item Code	Tail/Head	ID		Flange		Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size					
1232989	-0808	08	13,0	1/2"	08	1/2	31,8	56,5	23,0	6000
1232990	-0812	08	13,0	1/2"	12	3/4	41,3	79,9	30,5	6000
1232991	-1212	12	19,0	3/4"	12	3/4	41,3	84,1	31,0	6000
1232992	-1216	12	19,0	3/4"	16	1	47,6	80,0	33,5	6000
1232993	-1616	16	25,0	1"	16	1	47,6	96,7	36,0	6000
1232994	-1620	16	25,0	1"	20	1 1/4	54,0	96,1	39,0	6000

// C12A43690

90° Flange SAE 6000 PSI J518 Code 62 - SFS 90
Solid one piece

Item Code	Tail/Head	ID		Flange		Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size					
1232995	-0808	08	13,0	1/2"	08	1/2	31,8	47,8	46,0	6000
1232996	-0812	08	13,0	1/2"	12	3/4	41,3	47,8	54,0	6000
1232997	-1012	10	16,0	5/8"	12	3/4	41,3	49,9	55,0	6000
1232998	-1212	12	19,0	3/4"	12	3/4	41,3	63,2	61,0	6000
1232999	-1216	12	19,0	3/4"	16	1	47,6	63,2	66,0	6000
1233000	-1616	16	25,0	1"	16	1	47,6	73,6	75,0	6000
1233001	-1620	16	25,0	1"	20	1 1/4	54,0	77,6	78,0	6000



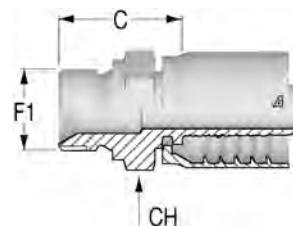
// ALFACRIMP // C124

// BSP INSERTS.....	160	// NPTF INSERTS.....	172
// DIN METRIC INSERTS.....	163	// ORFS INSERTS.....	174
// SAE INSERTS.....	167	// SAE FLANGES.....	177
// JIC 37° INSERTS.....	168	// C122 SAE FLANGES.....	180

// BSP INSERTS

// C12410510

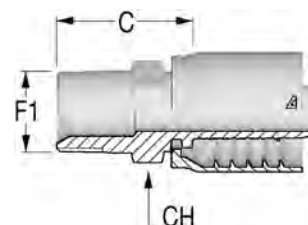
**BSPP Male 60° Flare
AGR**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size		mm	mm
1215573	-0606	NA	06	10,0	3/8"	06	3/8-19	27,8	22,0
1233019	-0608	NA	06	10,0	3/8"	08	1/2-14	31,3	27,0
1233020	-0806	NA	08	13,0	1/2"	06	3/8-19	28,6	22,0
1233021	-0808	NA	08	13,0	1/2"	08	1/2-14	32,1	27,0
1233022	-0810	NA	08	13,0	1/2"	10	5/8-14	34,1	30,0
1215574	-0812	NA	08	13,0	1/2"	12	3/4-14	36,1	32,0
1233023	-1010	NA	10	16,0	5/8"	10	5/8-14	34,1	30,0
1233024	-1012	NA	10	16,0	5/8"	12	3/4-14	36,1	32,0
1215575	-1212	NA	12	19,0	3/4"	12	3/4-14	36,6	32,0
1233025	-1216	NA	12	19,0	3/4"	16	1-11	41,6	41,0
1215576	-1616	NA	16	25,0	1"	16	1-11	42,4	41,0
1233026	-1620	NA	16	25,0	1"	20	1 1/4-11	46,4	50,0
1215577	-2020	NA	20	32,0	1 1/4"	20	1 1/4-11	48,0	50,0
1215578	-2424	NA	24	38,0	1 1/2"	24	1 1/2-11	51,0	55,0
1215579	-3232	NA	32	51,0	2"	32	2-11	53,5	70,0

// C12410710

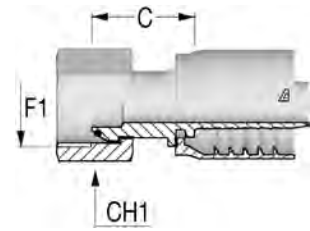
**BSPT Male
AGR K**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size		mm	mm
1215580	-0606	NA	06	10,0	3/8"	06	3/8-19	27,8	19,0
1215581	-0608	NA	06	10,0	3/8"	08	1/2-14	32,3	22,0
1215582	-0808	NA	08	13,0	1/2"	08	1/2-14	33,1	22,0
1215583	-1012	NA	10	16,0	5/8"	12	3/4-14	34,1	27,0
1215584	-1212	NA	12	19,0	3/4"	12	3/4-14	34,6	27,0
1215585	-1216	NA	12	19,0	3/4"	16	1-11	43,6	36,0
1215586	-1616	NA	16	25,0	1"	16	1-11	44,4	36,0
1215587	-2020	NA	20	32,0	1 1/4"	20	1 1/4-11	49,0	46,0
1215588	-2424	NA	24	38,0	1 1/2"	24	1 1/2-11	50,5	50,0
1215589	-3232	NA	32	51,0	2"	32	2-11	54,2	65,0

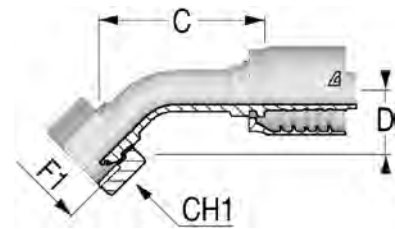
Dimensions shown may be changed without prior notice

// C12420813

**BSPF Female 60° Cone with O-Ring
DKOR**

Item Code	Tail/Head	Nut Type	ID			F1		C	CH1
	Dash		Dash	mm	in	Dash Size	F1		
1215665	-0606	SN	06	10,0	3/8"	06	3/8-19	23,3	22,0
1215666	-0608	SN	06	10,0	3/8"	08	1/2-14	24,3	27,0
1215667	-0808	SN	08	13,0	1/2"	08	1/2-14	25,1	27,0
1215668	-0810	SN	08	13,0	1/2"	10	5/8-14	28,4	27,0
1215669	-0812	SN	08	13,0	1/2"	12	3/4-14	29,0	32,0
1215659	-1010	CR	10	16,0	5/8"	10	5/8-14	17,1	27,0
1215670	-1012	SN	10	16,0	5/8"	12	3/4-14	29,0	32,0
1215660	-1212	CR	12	19,0	3/4"	12	3/4-14	20,6	32,0
1215671	-1216	SN	12	19,0	3/4"	16	1-11	34,0	38,0
1215661	-1616	CR	16	25,0	1"	16	1-11	23,9	38,0
1215672	-1620	SN	16	25,0	1"	20	1 1/4-11	39,4	50,0
1215662	-2020	TN	20	32,0	1 1/4"	20	1 1/4-11	32,0	50,0
1215673	-2024	SN	20	32,0	1 1/4"	24	1 1/2-11	41,9	55,0
1215663	-2424	TN	24	38,0	1 1/2"	24	1 1/2-11	33,8	55,0
1215664	-3232	TN	32	51,0	2"	32	2-11	34,0	70,0

// C12420843

**45° BSPF Female 60° Cone with O-Ring
DKOR 45
Solid one piece**

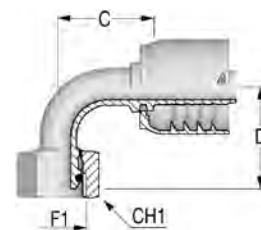
Item Code	Tail/Head	Nut Type	ID			F1		C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	F1			
1215681	-0606	SN	06	10,0	3/8"	06	3/8-19	49,9	20,5	22,0
1215682	-0608	SN	06	10,0	3/8"	08	1/2-14	45,7	21,0	27,0
1215683	-0808	SN	08	13,0	1/2"	08	1/2-14	55,0	21,0	27,0
1215684	-0810	SN	08	13,0	1/2"	10	5/8-14	57,2	23,0	27,0
1215685	-0812	SN	08	13,0	1/2"	12	3/4-14	56,7	23,0	32,0
1215674	-1010	CR	10	16,0	5/8"	10	5/8-14	64,0	21,5	27,0
1215686	-1012	SN	10	16,0	5/8"	12	3/4-14	66,5	22,5	32,0
1215675	-1212	CR	12	19,0	3/4"	12	3/4-14	70,0	28,0	32,0
1215687	-1216	SN	12	19,0	3/4"	16	1-11	74,6	31,5	38,0
1215677	-1616	CR	16	25,0	1"	16	1-11	84,0	34,0	38,0
1215678	-2020	TN	20	32,0	1 1/4"	20	1 1/4-11	100,8	40,0	50,0
1215679	-2424	TN	24	38,0	1 1/2"	24	1 1/2-11	115,7	46,0	55,0
1215680	-3232	TN	32	51,0	2"	32	2-11	151,5	60,0	70,0

// C12420893

90° BSPP Female 60° Cone with O-Ring

DKOR 90

Solid one piece

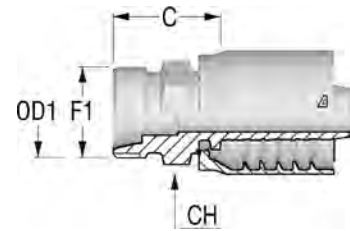


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1215696	-0606	SN	06	10,0	3/8"	06	3/8-19	34,8	42,0	22,0
1215697	-0608	SN	06	10,0	3/8"	08	1/2-14	34,3	35,5	27,0
1215698	-0808	SN	08	13,0	1/2"	08	1/2-14	35,8	41,0	27,0
1215699	-0810	SN	08	13,0	1/2"	10	5/8-14	41,6	43,5	27,0
1233027	-0812	SN	08	13,0	1/2"	12	3/4-14	41,8	43,0	32,0
1215690	-1010	CR	10	16,0	5/8"	10	5/8-14	47,9	47,0	27,0
1233028	-1012	SN	10	16,0	5/8"	12	3/4-14	51,9	49,0	32,0
1215691	-1212	CR	12	19,0	3/4"	12	3/4-14	49,1	53,0	32,0
1215700	-1216	SN	12	19,0	3/4"	16	1-11	54,1	60,5	38,0
1215692	-1616	CR	16	25,0	1"	16	1-11	75,1	69,0	38,0
1233029	-1620	SN	16	25,0	1"	20	1 1/4-11	75,1	88,5	50,0
1215693	-2020	TN	20	32,0	1 1/4"	20	1 1/4-11	82,3	83,0	50,0
1215694	-2424	TN	24	38,0	1 1/2"	24	1 1/2-11	95,7	96,0	55,0
1215695	-3232	TN	32	51,0	2"	32	2-11	128,5	136,0	70,0

Dimensions shown may be changed without prior notice

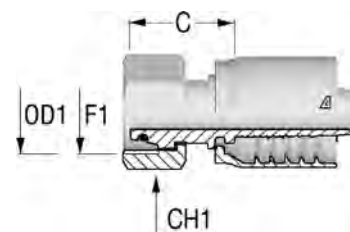
// DIN METRIC INSERTS

// C12411110

Metric Male 24° Seat - Light
DIN 3853 - CEL

Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	CH mm
			Dash	mm	in				
1215590	-0616	NA	06	10,0	3/8"	M16X1.5	10	23,3	17,0
1215591	-0618	NA	06	10,0	3/8"	M18X1.5	12	24,3	19,0
1230378	-0622	NA	06	10,0	3/8"	M22X1.5	15	25,3	22,0
1215592	-0822	NA	08	13,0	1/2"	M22X1.5	15	26,1	22,0
1230379	-0826	NA	08	13,0	1/2"	M26X1.5	18	27,1	27,0
1215593	-1026	NA	10	16,0	5/8"	M26X1.5	18	27,1	27,0
1215594	-1230	NA	12	19,0	3/4"	M30X2	22	31,6	32,0
1215595	-1636	NA	16	25,0	1"	M36X2	28	34,4	36,0
1215596	-2045	NA	20	32,0	1 1/4"	M45X2	35	40,0	46,0
1233030	-2452	NA	24	38,0	1 1/2"	M52X2	42	42,0	55,0

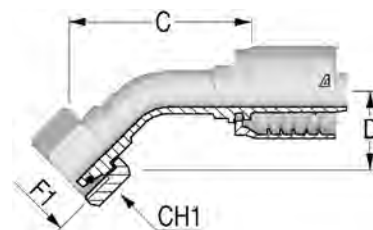
// C12421513

Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL

Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	CH1 mm
			Dash	mm	in				
1215702	-0618	SN	06	10,0	3/8"	M18X1.5	12	25,4	22,0
1215703	-0822	SN	08	13,0	1/2"	M22X1.5	15	28,2	27,0
1215704	-1026	SN	10	16,0	5/8"	M26X1.5	18	29,2	32,0
1215705	-1230	SN	12	19,0	3/4"	M30X2	22	31,7	36,0
1215706	-1636	SN	16	25,0	1"	M36X2	28	33,6	41,0
1215707	-2045	SN	20	32,0	1 1/4"	M45X2	35	40,1	50,0
1230386	-2452	SN	24	38,0	1 1/2"	M52X2	42	40,5	60,0

// C12421543

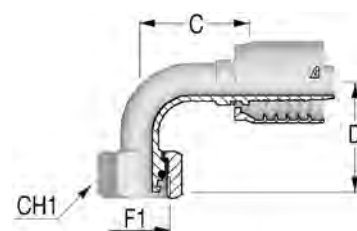
45° Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL 45
Solid one piece



Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1215708	-0618	SN	06	10,0	3/8"	M18X1.5	12	46,8	19,5	22,0
1215709	-0822	SN	08	13,0	1/2"	M22X1.5	15	55,0	21,0	22,0
1215710	-1026	SN	10	16,0	5/8"	M26X1.5	18	65,3	24,0	32,0
1215711	-1230	SN	12	19,0	3/4"	M30X2	22	69,4	32,0	36,0
1215712	-1636	SN	16	25,0	1"	M36X2	28	91,4	32,0	41,0
1233031	-2045	SN	20	32,0	1 1/4"	M45X2	35	141,5	45,0	50,0

// C12421593

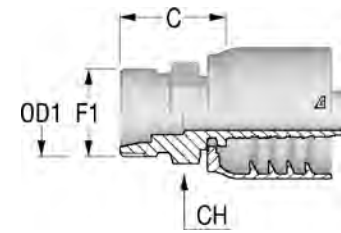
90° Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL 90
Solid one piece



Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1215713	-0618	SN	06	10,0	3/8"	M18X1.5	12	32,8	39,0	22,0
1215714	-0822	SN	08	13,0	1/2"	M22X1.5	15	39,8	40,5	27,0
1215715	-1026	SN	10	16,0	5/8"	M26X1.5	18	51,4	48,0	32,0
1215716	-1230	SN	12	19,0	3/4"	M30X2	22	52,1	59,0	36,0
1215717	-1636	SN	16	25,0	1"	M36X2	28	77,6	68,0	41,0
1215718	-2045	SN	20	32,0	1 1/4"	M45X2	35	90,5	89,0	50,0
1230388	-2452	SN	24	38,0	1 1/2"	M52X2	42	106,5	100,0	60,0

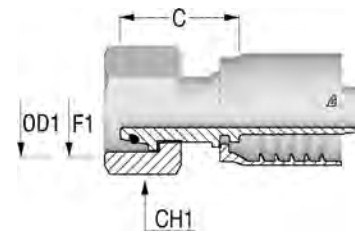
Dimensions shown may be changed without prior notice

// C12411210

**Metric Male 24° Seat - Heavy
DIN 3853 - CES**

Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	CH mm
			Dash	mm	in				
1215597	-0620	NA	06	10,0	3/8"	M20X1.5	12	25,3	22,0
1215598	-0622	NA	06	10,0	3/8"	M22X1.5	14	27,3	22,0
1215599	-0824	NA	08	13,0	1/2"	M24X1.5	16	29,1	24,0
1215600	-1030	NA	10	16,0	5/8"	M30X2	20	33,1	32,0
1215601	-1230	NA	12	19,0	3/4"	M30X2	20	33,6	32,0
1215602	-1236	NA	12	19,0	3/4"	M36X2	25	37,6	36,0
1215603	-1642	NA	16	25,0	1"	M42X2	30	42,4	46,0
1233032	-2052	NA	20	32,0	1 1/4"	M52X2	38	48,0	55,0

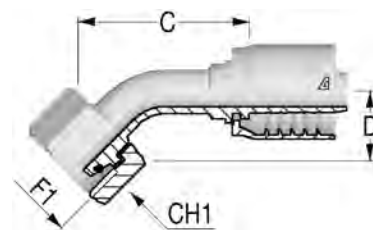
// C12421613

**Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS**

Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	CH1 mm
			Dash	mm	in				
1215720	-0620	SN	06	10,0	3/8"	M20X1.5	12	27,6	24,0
1215721	-0622	SN	06	10,0	3/8"	M22X1.5	14	31,1	27,0
1215722	-0824	SN	08	13,0	1/2"	M24X1.5	16	31,7	30,0
1215723	-1030	SN	10	16,0	5/8"	M30X2	20	36,5	36,0
1215724	-1230	SN	12	19,0	3/4"	M30X2	20	37,0	36,0
1215725	-1236	SN	12	19,0	3/4"	M36X2	25	40,2	46,0
1230389	-1636	SN	16	25,0	1"	M36X2	25	41,0	46,0
1215726	-1642	SN	16	25,0	1"	M42X2	30	43,1	50,0
1215727	-2042	SN	20	32,0	1 1/4"	M42X2	30	44,7	50,0
1215728	-2052	SN	20	32,0	1 1/4"	M52X2	38	48,1	60,0

// C12421643

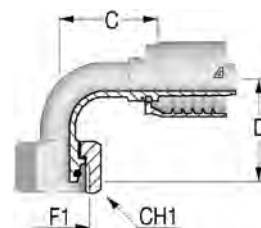
45° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 45
Solid one piece



Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1215729	-0620	SN	06	10,0	3/8"	M20X1.5	12	50,6	20,0	24,0
1233033	-0622	SN	06	10,0	3/8"	M22X1.5	14	52,9	21,0	27,0
1215730	-0824	SN	08	13,0	1/2"	M24X1.5	16	55,8	21,5	30,0
1215731	-1030	SN	10	16,0	5/8"	M30X2	20	66,3	30,0	36,0
1215732	-1236	SN	12	19,0	3/4"	M36X2	25	69,5	33,0	46,0
1215733	-1642	SN	16	25,0	1"	M42X2	30	110,3	40,5	50,0
1215734	-2052	SN	20	32,0	1 1/4"	M52X2	38	109,0	45,0	60,0

// C12421693

90° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 90
Solid one piece

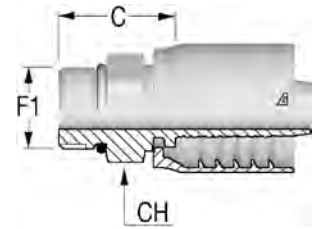


Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1215735	-0620	SN	06	10,0	3/8"	M20X1.5	12	34,3	38,5	24,0
1215736	-0622	SN	06	10,0	3/8"	M22X1.5	14	34,3	40,5	27,0
1215737	-0824	SN	08	13,0	1/2"	M24X1.5	16	39,8	41,5	30,0
1215738	-1030	SN	10	16,0	5/8"	M30X2	20	47,9	55,0	36,0
1215739	-1236	SN	12	19,0	3/4"	M36X2	25	50,6	59,5	46,0
1215740	-1642	SN	16	25,0	1"	M42X2	30	75,6	79,0	50,0
1215741	-2052	SN	20	32,0	1 1/4"	M52X2	38	94,0	92,0	60,0

Dimensions shown may be changed without prior notice

// SAE INSERTS

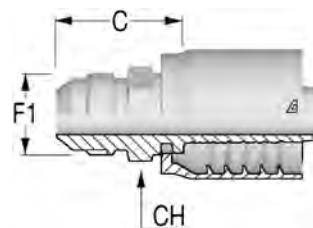
// C12413010

SAE Male Solid
O-Ring Boss

Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size		mm	mm
1233039	-0606	NA	06	10,0	3/8"	06	9/16-18	23,3	19,0
1215653	-0808	NA	08	13,0	1/2"	08	3/4-16	25,1	22,0
1233040	-0810	NA	08	13,0	1/2"	10	7/8-14	27,6	27,0
1233041	-0812	NA	08	13,0	1/2"	12	1 1/16-12	32,1	32,0
1233042	-1012	NA	10	16,0	5/8"	12	1 1/16-12	32,1	32,0
1233043	-1210	NA	12	19,0	3/4"	10	7/8-14	28,1	27,0
1215654	-1212	NA	12	19,0	3/4"	12	1 1/16-12	32,6	32,0
1215655	-1216	NA	12	19,0	3/4"	16	1 5/16-12	34,6	38,0
1215656	-1616	NA	16	25,0	1"	16	1 5/16-12	35,4	38,0

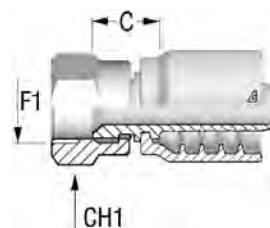
// JIC 37° INSERTS

// C12412510

JIC Male 37° Cone
AGJ

Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size		mm	mm
1215616	-0606	NA	06	10,0	3/8"	06	9/16-18	26,3	17,0
1215617	-0608	NA	06	10,0	3/8"	08	3/4-16	29,8	19,0
1215618	-0808	NA	08	13,0	1/2"	08	3/4-16	30,6	19,0
1215619	-0810	NA	08	13,0	1/2"	10	7/8-14	34,6	24,0
1215620	-0812	NA	08	13,0	1/2"	12	1 1/16-12	37,1	27,0
1215621	-1010	NA	10	16,0	5/8"	10	7/8-14	34,6	24,0
1215622	-1012	NA	10	16,0	5/8"	12	1 1/16-12	37,1	27,0
1215623	-1212	NA	12	19,0	3/4"	12	1 1/16-12	37,6	27,0
1215624	-1214	NA	12	19,0	3/4"	14	1 3/16-12	40,1	32,0
1215625	-1216	NA	12	19,0	3/4"	16	1 5/16-12	42,6	36,0
1215626	-1616	NA	16	25,0	1"	16	1 5/16-12	43,4	36,0
1215627	-1620	NA	16	25,0	1"	20	1 5/8-12	46,9	46,0
1215628	-2020	NA	20	32,0	1 1/4"	20	1 5/8-12	48,5	46,0
1215630	-2424	NA	24	38,0	1 1/2"	24	1 7/8-12	52,5	50,0

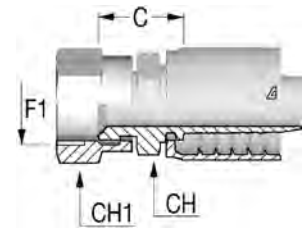
// C12422511

JIC Female 37° Seat
DKJ

Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm
1215802	-0606	CR	06	10,0	3/8"	06	9/16-18	15,3	19,0
1233034	-0608	CR	06	10,0	3/8"	08	3/4-16	17,8	25,0
1230393	-0808	CR	08	13,0	1/2"	08	3/4-16	18,6	25,0
1215803	-0810	CR	08	13,0	1/2"	10	7/8-14	19,6	27,0
1215804	-0812	CR	08	13,0	1/2"	12	1 1/16-12	22,1	32,0
1215807	-1210	CR	12	19,0	3/4"	10	7/8-14	20,1	27,0
1215808	-1212	CR	12	19,0	3/4"	12	1 1/16-12	20,6	32,0
1215809	-1214	CR	12	19,0	3/4"	14	1 3/16-12	19,9	36,0
1233035	-1216	CR	12	19,0	3/4"	16	1 5/16-12	22,1	38,0
1230394	-1616	CR	16	25,0	1"	16	1 5/16-12	23,9	38,0
1233036	-1620	TN	16	25,0	1"	20	1 5/8-12	26,5	50,0
1215810	-2020	TN	20	32,0	1 1/4"	20	1 5/8-12	28,1	50,0
1233037	-2024	TN	20	32,0	1 1/4"	24	1 7/8-12	30,4	55,0
1215811	-2424	TN	24	38,0	1 1/2"	24	1 7/8-12	29,4	55,0
1215812	-3232	TN	32	51,0	2"	32	2 1/2-12	32,0	70,0

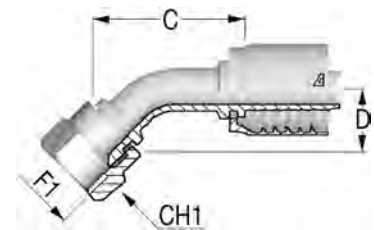
Dimensions shown may be changed without prior notice

// C12426511

**JIC Female 37° Seat with Stem Hexagon
DKJ**

Item Code	Tail/Head	Nut Type	ID			F1		F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size	mm				
1215874	-0606	CR	06	10,0	3/8"	06	9/16-18	21,3	17,0	19,0	
1215875	-0608	CR	06	10,0	3/8"	08	3/4-16	24,8	19,0	25,0	
1215876	-0806	CR	08	13,0	1/2"	06	9/16-18	23,1	19,0	19,0	
1215877	-0808	CR	08	13,0	1/2"	08	3/4-16	25,6	19,0	25,0	
1215878	-0810	CR	08	13,0	1/2"	10	7/8-14	26,6	22,0	27,0	
1215879	-0812	CR	08	13,0	1/2"	12	1 1/16-12	28,1	25,0	32,0	
1215880	-1008	CR	10	16,0	5/8"	08	3/4-16	26,6	24,0	25,0	
1214172	-1010	CR	10	16,0	5/8"	10	7/8-14	27,6	24,0	27,0	
1215881	-1012	CR	10	16,0	5/8"	12	1 1/16-12	28,1	25,0	32,0	
1215883	-1212	CR	12	19,0	3/4"	12	1 1/16-12	28,6	27,0	32,0	
1215885	-1216	CR	12	19,0	3/4"	16	1 5/16-12	32,1	32,0	38,0	
1215886	-1612	CR	16	25,0	1"	12	1 1/16-12	31,4	32,0	32,0	
1215887	-1616	CR	16	25,0	1"	16	1 5/16-12	32,9	32,0	38,0	
1215888	-1620	TN	16	25,0	1"	20	1 5/8-12	37,5	41,0	50,0	
1215889	-2020	TN	20	32,0	1 1/4"	20	1 5/8-12	39,1	41,0	50,0	
1215890	-2024	TN	20	32,0	1 1/4"	24	1 7/8-12	43,4	50,0	55,0	
1215891	-2424	TN	24	38,0	1 1/2"	24	1 7/8-12	43,4	50,0	55,0	
1215892	-3232	TN	32	51,0	2"	32	2 1/2-12	49,0	65,0	70,0	

// C12422541-M

**45° JIC Female 37° Seat - Medium Drop
DKJ 45M
Solid one piece**

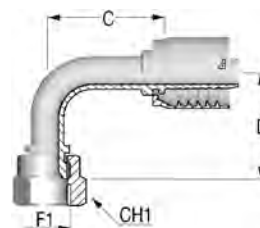
Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
1215813	-0606	CR	06	10,0	3/8"	06	9/16-18	46,3	11,0	19,0	
1215814	-0608	CR	06	10,0	3/8"	08	3/4-16	47,2	15,0	25,0	
1215815	-0808	CR	08	13,0	1/2"	08	3/4-16	51,6	15,0	25,0	
1215816	-0810	CR	08	13,0	1/2"	10	7/8-14	50,7	16,0	27,0	
1215817	-0812	CR	08	13,0	1/2"	12	1 1/16-12	57,0	21,0	32,0	
1215818	-1010	CR	10	16,0	5/8"	10	7/8-14	62,2	19,0	27,0	
1230395	-1012	CR	10	16,0	5/8"	12	1 1/16-12	68,6	21,0	32,0	
1215819	-1212	CR	12	19,0	3/4"	12	1 1/16-12	67,5	21,0	32,0	
1215821	-1216	CR	12	19,0	3/4"	16	1 5/16-12	71,4	26,0	38,0	
1215822	-1616	CR	16	25,0	1"	16	1 5/16-12	79,4	24,0	38,0	
1215824	-1620	TN	16	25,0	1"	20	1 5/8-12	83,8	37,0	50,0	
1215825	-2020	TN	20	32,0	1 1/4"	20	1 5/8-12	97,1	37,0	50,0	
1215827	-2424	TN	24	38,0	1 1/2"	24	1 7/8-12	112,7	43,0	55,0	
1215828	-3232	TN	32	51,0	2"	32	2 1/2-12	159,9	67,0	70,0	

// C12422591-S

90° JIC Female 37° Seat - Short Drop

DKJ 90S

Solid one piece



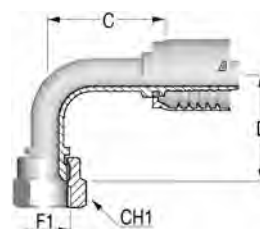
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1230396	-0812	CR	08	13,0	1/2"	12	1 1/16-12	37,3	46,0	32,0
1215850	-1212	CR	12	19,0	3/4"	12	1 1/16-12	58,2	46,0	32,0
1215854	-1216	CR	12	19,0	3/4"	16	1 5/16-12	53,6	53,0	38,0
1215857	-1616	CR	16	25,0	1"	16	1 5/16-12	74,0	56,0	38,0

// C12422591-M

90° JIC Female 37° Seat - Medium Drop

DKJ 90M

Solid one piece

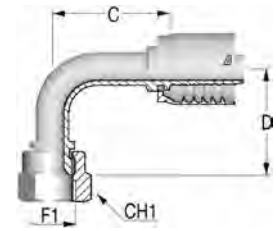


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1215830	-0606	CR	06	10,0	3/8"	06	9/16-18	31,3	35,0	19,0
1215833	-0608	CR	06	10,0	3/8"	08	3/4-16	39,5	41,0	25,0
1215836	-0808	CR	08	13,0	1/2"	08	3/4-16	37,2	40,0	25,0
1215839	-0810	CR	08	13,0	1/2"	10	7/8-14	43,3	47,0	27,0
1233038	-0812	CR	08	13,0	1/2"	12	1 1/16-12	42,8	58,0	32,0
1215842	-1010	CR	10	16,0	5/8"	10	7/8-14	49,4	48,0	27,0
1215845	-1012	CR	10	16,0	5/8"	12	1 1/16-12	47,9	58,0	32,0
1215849	-1212	CR	12	19,0	3/4"	12	1 1/16-12	52,4	54,0	32,0
1215853	-1216	CR	12	19,0	3/4"	16	1 5/16-12	52,6	72,0	38,0
1215856	-1616	CR	16	25,0	1"	16	1 5/16-12	72,6	71,5	38,0
1230398	-1620	TN	16	25,0	1"	20	1 5/8-12	72,6	78,0	50,0
1215858	-2020	TN	20	32,0	1 1/4"	20	1 5/8-12	82,4	78,0	50,0
1215860	-2424	TN	24	38,0	1 1/2"	24	1 7/8-12	95,3	92,0	55,0

Dimensions shown may be changed without prior notice

// C12422591-L

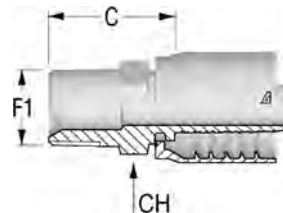
90° JIC Female 37° Seat - Long Drop
DKJ 90L
Solid one piece



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1215829	-0606	CR	06	10,0	3/8"	06	9/16-18	43,3	54,0	19,0
1215832	-0608	CR	06	10,0	3/8"	08	3/4-16	46,8	64,0	25,0
1215835	-0808	CR	08	13,0	1/2"	08	3/4-16	49,9	64,0	25,0
1215838	-0810	CR	08	13,0	1/2"	10	7/8-14	37,3	65,0	27,0
1215841	-1010	CR	10	16,0	5/8"	10	7/8-14	49,9	65,0	27,0
1215848	-1212	CR	12	19,0	3/4"	12	1 1/16-12	54,1	95,0	32,0
1215855	-1616	CR	16	25,0	1"	16	1 5/16-12	78,6	114,0	38,0

// NPTF INSERTS

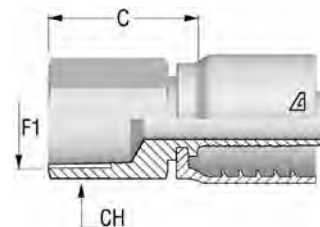
// C12412810

NPTF Male 60° Seat
AGN

Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1215632	-0604	NA	06	10,0	3/8"	04	1/4-18	26,8	17,0
1215633	-0606	NA	06	10,0	3/8"	06	3/8-18	27,8	19,0
1215634	-0608	NA	06	10,0	3/8"	08	1/2-14	31,3	22,0
1215635	-0806	NA	08	13,0	1/2"	06	3/8-18	28,6	19,0
1215636	-0808	NA	08	13,0	1/2"	08	1/2-14	32,1	22,0
1215637	-0812	NA	08	13,0	1/2"	12	3/4-14	34,1	27,0
1215638	-1012	NA	10	16,0	5/8"	12	3/4-14	34,1	27,0
1215639	-1208	NA	12	19,0	3/4"	08	1/2-14	33,6	27,0
1215640	-1212	NA	12	19,0	3/4"	12	3/4-14	34,6	27,0
1215641	-1216	NA	12	19,0	3/4"	16	1-11 1/2	43,6	36,0
1215643	-1616	NA	16	25,0	1"	16	1-11 1/2	44,4	36,0
1215644	-1620	NA	16	25,0	1"	20	1 1/4-11 1/2	47,4	46,0
1215645	-2020	NA	20	32,0	1 1/4"	20	1 1/4-11 1/2	49,0	46,0
1215646	-2024	NA	20	32,0	1 1/4"	24	1 1/2-11 1/2	50,5	50,0
1215647	-2424	NA	24	38,0	1 1/2"	24	1 1/2-11 1/2	50,5	50,0
1215648	-3232	NA	32	51,0	2"	32	2-11 1/2	54,2	65,0

// C12422810

NPTF Female Solid

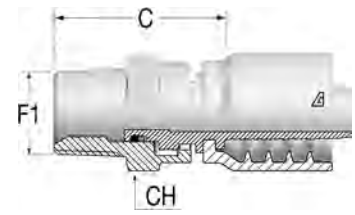


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1215862	-1212	NA	12	19,0	3/4"	12	3/4-14	38,1	32,0
1215863	-1616	NA	16	25,0	1"	16	1-11 1/2	44,9	38,0

Dimensions shown may be changed without prior notice

// C12412811

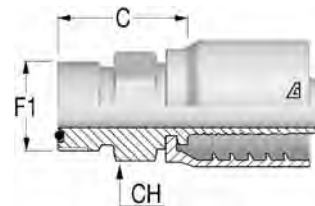
NPTF Male Swivel 60° Seat



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size		mm	mm
1215650	-0808	CR	08	13,0	1/2"	08	1/2-14	42,3	25,0

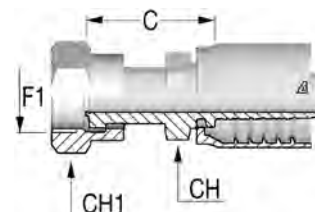
// ORFS INSERTS

// C12412410 ORFS Male



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1215604	-0606	NA	06	10,0	3/8"	06	11/16-16	24,3	19,0
1215606	-0808	NA	08	13,0	1/2"	08	13/16-16	27,1	22,0
1215607	-0810	NA	08	13,0	1/2"	10	1-14	30,6	27,0
1215611	-1212	NA	12	19,0	3/4"	12	1 3/16-12	34,6	32,0
1215612	-1216	NA	12	19,0	3/4"	16	1 7/16-12	38,1	41,0
1215613	-1616	NA	16	25,0	1"	16	1 7/16-12	37,9	38,0
1215615	-2020	NA	20	32,0	1 1/4"	20	1 11/16-12	41,5	46,0

// C12422411 ORFS Female with Stem Hexagon

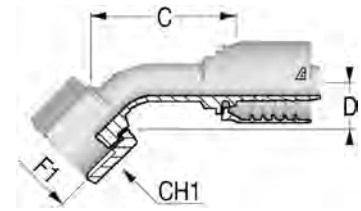


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size				
1215742	-0606	CR	06	10,0	3/8"	06	11/16-16	30,3	17,0	22,0
1215743	-0608	CR	06	10,0	3/8"	08	13/16-16	35,3	22,0	24,0
1215744	-0808	CR	08	13,0	1/2"	08	13/16-16	36,1	22,0	24,0
1215745	-0810	CR	08	13,0	1/2"	10	1-14	39,6	24,0	30,0
1215746	-0812	CR	08	13,0	1/2"	12	1 3/16-12	42,1	30,0	36,0
1215747	-1010	CR	10	16,0	5/8"	10	1-14	39,6	24,0	30,0
1215748	-1012	CR	10	16,0	5/8"	12	1 3/16-12	42,1	30,0	36,0
1215749	-1210	CR	12	19,0	3/4"	10	1-14	40,1	27,0	30,0
1215750	-1212	CR	12	19,0	3/4"	12	1 3/16-12	42,6	30,0	36,0
1215751	-1216	CR	12	19,0	3/4"	16	1 7/16-12	48,6	36,0	41,0
1215752	-1612	CR	16	25,0	1"	12	1 3/16-12	45,4	32,0	36,0
1215753	-1616	CR	16	25,0	1"	16	1 7/16-12	49,4	36,0	41,0
1215754	-1620	CR	16	25,0	1"	20	1 11/16-12	50,4	41,0	50,0
1215755	-2020	CR	20	32,0	1 1/4"	20	1 11/16-12	52,0	41,0	50,0
1215756	-2424	CR	24	38,0	1 1/2"	24	2-12	56,5	50,0	60,0

Dimensions shown may be changed without prior notice

// C12422443-M

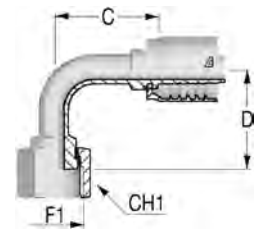
45° ORFS Female - Medium Drop
DK ORFS 45M
Solid one piece



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1215759	-0606	SN	06	10,0	3/8"	06	11/16-16	47,4	12,0	22,0
1215760	-0608	SN	06	10,0	3/8"	08	13/16-16	51,2	15,0	24,0
1215757	-0808	CR	08	13,0	1/2"	08	13/16-16	47,1	16,0	24,0
1215761	-0810	SN	08	13,0	1/2"	10	1-14	50,4	16,5	30,0
1215762	-1010	SN	10	16,0	5/8"	10	1-14	57,7	17,0	30,0
1230391	-1012	SN	10	16,0	5/8"	12	1 3/16-12	63,1	21,0	36,0
1215763	-1212	SN	12	19,0	3/4"	12	1 3/16-12	63,5	21,0	36,0
1215764	-1216	SN	12	19,0	3/4"	16	1 7/16-12	70,7	24,0	41,0
1215765	-1616	SN	16	25,0	1"	16	1 7/16-12	82,4	26,0	41,0
1215766	-1620	SN	16	25,0	1"	20	1 11/16-12	85,4	26,0	50,0
1215767	-2020	SN	20	32,0	1 1/4"	20	1 11/16-12	97,4	26,0	50,0
1215769	-2424	SN	24	38,0	1 1/2"	24	2-12	104,4	28,0	60,0

// C12422493-S

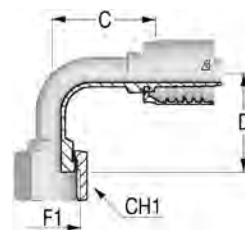
90° ORFS Female - Short Drop
DK ORFS 90S
Solid one piece



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1215777	-0606	SN	06	10,0	3/8"	06	11/16-16	41,8	25,0	22,0
1215772	-0808	CR	08	13,0	1/2"	08	13/16-16	39,8	29,0	24,0
1215781	-0810	SN	08	13,0	1/2"	10	1-14	46,3	32,5	30,0
1233044	-1010	SN	10	16,0	5/8"	10	1-14	52,3	32,5	30,0
1215786	-1212	SN	12	19,0	3/4"	12	1 3/16-12	60,6	51,0	36,0
1215792	-1616	SN	16	25,0	1"	16	1 7/16-12	80,0	58,0	41,0
1215795	-2020	SN	20	32,0	1 1/4"	20	1 11/16-12	95,0	68,0	50,0

// C12422493-M

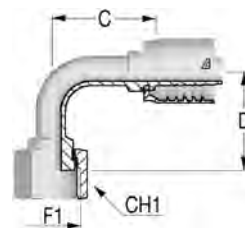
90° ORFS Female - Medium Drop
DK ORFS 90M
Solid one piece



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1215776	-0606	SN	06	10,0	3/8"	06	11/16-16	41,8	38,0	22,0
1215778	-0608	SN	06	10,0	3/8"	08	13/16-16	43,8	41,0	24,0
1215771	-0808	CR	08	13,0	1/2"	08	13/16-16	34,8	42,0	24,0
1215780	-0810	SN	08	13,0	1/2"	10	1-14	48,3	47,0	30,0
1215782	-1010	SN	10	16,0	5/8"	10	1-14	55,4	44,0	30,0
1230392	-1012	SN	10	16,0	5/8"	12	1 3/16-12	55,4	58,0	36,0
1215785	-1212	SN	12	19,0	3/4"	12	1 3/16-12	61,6	58,0	36,0
1215788	-1216	SN	12	19,0	3/4"	16	1 7/16-12	65,6	71,0	41,0
1215791	-1616	SN	16	25,0	1"	16	1 7/16-12	82,6	66,0	41,0
1215794	-2020	SN	20	32,0	1 1/4"	20	1 11/16-12	97,0	78,0	50,0
1215800	-2424	SN	24	38,0	1 1/2"	24	2-12	107,8	87,0	60,0

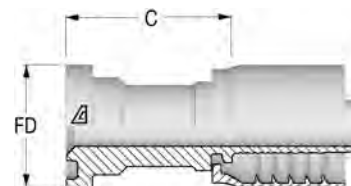
// C12422493-L

90° ORFS Female - Long Drop
DK ORFS 90L
Solid one piece

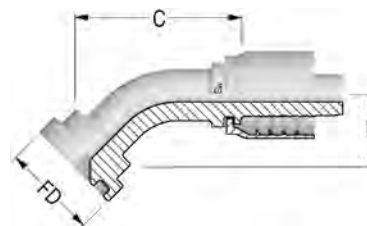


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1215775	-0606	SN	06	10,0	3/8"	06	11/16-16	41,8	54,0	22,0
1215770	-0808	CR	08	13,0	1/2"	08	13/16-16	38,3	64,0	24,0
1215779	-0810	SN	08	13,0	1/2"	10	1-14	46,3	70,0	30,0
1233045	-1010	SN	10	16,0	5/8"	10	1-14	55,4	70,0	30,0
1215784	-1212	SN	12	19,0	3/4"	12	1 3/16-12	61,6	96,0	36,0
1215790	-1616	SN	16	25,0	1"	16	1 7/16-12	82,6	114,0	41,0

Dimensions shown may be changed without prior notice

// SAE FLANGES**// C12443310****Flange SAE 3000 PSI J518 Code 61 - SFL**

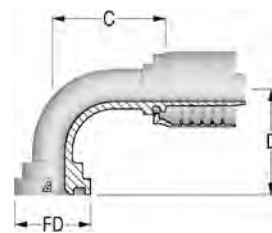
Item Code	Tail/Head	ID		Flange		C	FD	WP	
	Dash	Dash	mm	in	Dash Size				Flange Size
1215898	-0808	08	13,0	1/2"	08	1/2	41,0	30,2	5000
1215899	-0812	08	13,0	1/2"	12	3/4	42,0	38,1	5000
1215901	-1212	12	19,0	3/4"	12	3/4	42,5	38,1	5000
1215902	-1216	12	19,0	3/4"	16	1	50,5	44,5	5000
1215903	-1616	16	25,0	1"	16	1	51,4	44,5	5000
1215904	-1620	16	25,0	1"	20	1 1/4	53,9	50,8	4000
1215906	-2020	20	32,0	1 1/4"	20	1 1/4	55,5	50,8	4000
1215907	-2024	20	32,0	1 1/4"	24	1 1/2	58,5	60,3	3000
1215908	-2424	24	38,0	1 1/2"	24	1 1/2	58,5	60,3	3000
1215910	-3232	32	51,0	2"	32	2	70,0	71,4	3000
1215911	-3240	32	51,0	2"	40	2 1/2	83,0	81,1	2500

// C12443340**45° Flange SAE 3000 PSI J518 Code 61 - SFL 45
Solid one piece**

Item Code	Tail/Head	ID		Flange		FD	C	D Drop	WP	
	Dash	Dash	mm	in	Dash Size					Flange Size
1215931	-0808	08	13,0	1/2"	08	1/2	30,2	52,9	22,0	5000
1215932	-0812	08	13,0	1/2"	12	3/4	38,1	60,3	26,0	5000
1215933	-1212	12	19,0	3/4"	12	3/4	38,1	73,7	32,0	5000
1215934	-1216	12	19,0	3/4"	16	1	44,5	77,9	29,0	5000
1215935	-1616	16	25,0	1"	16	1	44,5	82,7	33,5	5000
1215936	-1620	16	25,0	1"	20	1 1/4	50,8	82,2	36,0	4000
1215937	-2020	20	32,0	1 1/4"	20	1 1/4	50,8	95,1	37,5	4000
1215938	-2024	20	32,0	1 1/4"	24	1 1/2	60,3	104,1	40,0	3000
1215939	-2424	24	38,0	1 1/2"	24	1 1/2	60,3	116,7	48,0	3000
1215940	-2432	24	38,0	1 1/2"	32	2	71,4	135,6	55,5	3000
1215941	-3232	32	51,0	2"	32	2	71,4	140,8	47,5	3000

// C12443390

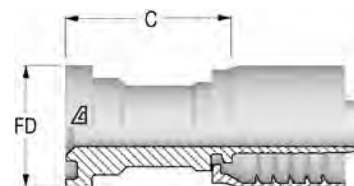
90° Flange SAE 3000 PSI J518 Code 61 - SFL 90
Solid one piece



Item Code	Tail/Head	ID		Flange		Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size					
1215959	-0808	08	13,0	1/2"	08	1/2	30,2	45,8	42,0	5000
1215960	-0812	08	13,0	1/2"	12	3/4	38,1	45,3	51,0	5000
1215961	-1212	12	19,0	3/4"	12	3/4	38,1	59,7	58,0	5000
1215962	-1216	12	19,0	3/4"	16	1	44,5	66,2	64,5	5000
1215966	-1616	16	25,0	1"	16	1	44,5	70,6	67,0	5000
1215968	-1620	16	25,0	1"	20	1 1/4	50,8	73,6	71,0	4000
1215969	-1624	16	25,0	1"	24	1 1/2	60,3	93,1	75,0	3000
1215970	-2016	20	32,0	1 1/4"	16	1	44,5	94,4	65,0	5000
1215971	-2020	20	32,0	1 1/4"	20	1 1/4	50,8	88,0	84,0	4000
1215972	-2024	20	32,0	1 1/4"	24	1 1/2	60,3	91,5	87,5	3000
1215973	-2424	24	38,0	1 1/2"	24	1 1/2	60,3	104,8	91,0	3000
1215974	-2432	24	38,0	1 1/2"	32	2	71,4	104,8	115,0	3000
1215975	-3232	32	51,0	2"	32	2	71,4	129,3	130,0	3000

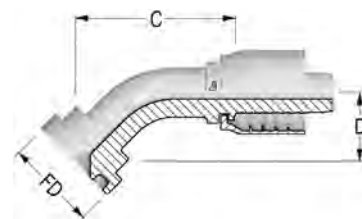
// C12443610

Flange SAE 6000 PSI J518 Code 62 - SFS

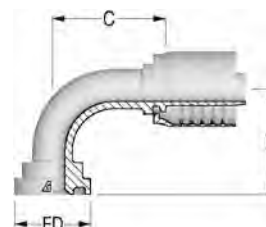


Item Code	Tail/Head	ID		Flange		Flange Size	C	FD	WP
	Dash	Dash	mm	in	Dash Size				
1215977	-0808	08	13,0	1/2"	08	1/2	47,0	31,8	6000
1215978	-0812	08	13,0	1/2"	12	3/4	52,0	41,3	6000
1215979	-1212	12	19,0	3/4"	12	3/4	52,5	41,3	6000
1215980	-1216	12	19,0	3/4"	16	1	55,5	47,6	6000
1215981	-1612	16	25,0	1"	12	3/4	56,4	41,3	6000
1215982	-1616	16	25,0	1"	16	1	56,4	47,6	6000
1215983	-1620	16	25,0	1"	20	1 1/4	63,4	54,0	6000
1215984	-2020	20	32,0	1 1/4"	20	1 1/4	83,0	54,0	6000
1215985	-2024	20	32,0	1 1/4"	24	1 1/2	71,0	63,5	6000
1215986	-2424	24	38,0	1 1/2"	24	1 1/2	101,0	63,5	6000
1215988	-3232	32	51,0	2"	32	2	76,0	79,4	6000

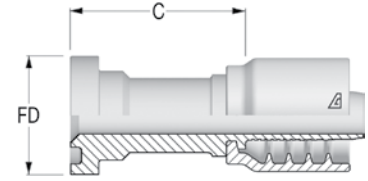
Dimensions shown may be changed without prior notice

// C12443640**45° Flange SAE 6000 PSI J518 Code 62 - SFS 45
Solid one piece**

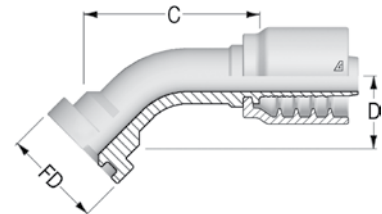
Item Code	Tail/Head		ID		Flange		FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size	Flange Size				
1215999	-0808	08	13,0	1/2"	08	1/2	31,8	56,5	23,0	6000
1216000	-0812	08	13,0	1/2"	12	3/4	41,3	79,9	30,5	6000
1216001	-1212	12	19,0	3/4"	12	3/4	41,3	84,1	31,0	6000
1216002	-1216	12	19,0	3/4"	16	1	47,6	80,0	33,5	6000
1216003	-1616	16	25,0	1"	16	1	47,6	96,7	36,0	6000
1216004	-1620	16	25,0	1"	20	1 1/4	54,0	96,1	39,0	6000
1216005	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	108,6	40,0	6000
1216006	-2024	20	32,0	1 1/4"	24	1 1/2	63,5	114,8	45,5	6000
1216007	-2424	24	38,0	1 1/2"	24	1 1/2	63,5	122,9	45,0	6000
1216009	-3232	32	51,0	2"	32	2	79,4	156,6	60,0	6000

// C12443690**90° Flange SAE 6000 PSI J518 Code 62 - SFS 90
Solid one piece**

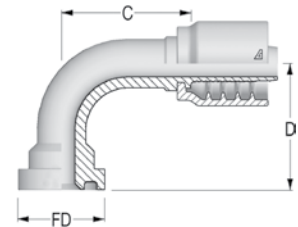
Item Code	Tail/Head		ID		Flange		FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size	Flange Size				
1216015	-0808	08	13,0	1/2"	08	1/2	31,8	47,8	46,0	6000
1216016	-0812	08	13,0	1/2"	12	3/4	41,3	47,8	54,0	6000
1216017	-1012	10	16,0	5/8"	12	3/4	41,3	49,9	55,0	6000
1216018	-1212	12	19,0	3/4"	12	3/4	41,3	63,2	61,0	6000
1216019	-1216	12	19,0	3/4"	16	1	47,6	63,2	66,0	6000
1216021	-1616	16	25,0	1"	16	1	47,6	73,6	75,0	6000
1216022	-1620	16	25,0	1"	20	1 1/4	54,0	77,6	78,0	6000
1216023	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	94,5	89,0	6000
1216024	-2024	20	32,0	1 1/4"	24	1 1/2	63,5	98,0	94,0	6000
1216025	-2424	24	38,0	1 1/2"	24	1 1/2	63,5	99,6	105,0	6000
1216027	-3232	32	51,0	2"	32	2	79,4	143,3	132,0	6000

// C122 SAE FLANGES**// C12243310****Flange SAE 3000 PSI J518 Code 61 - SFL**

Item Code	Tail/Head	ID		Flange		Flange Size	C	FD	WP
	Dash	Dash	mm	in	Dash Size				
1203199	-4848	48	76,0	3"	48	3	55,0	101,6	2000
1214123	-6464	64	102,0	4"	64	4	130,0	127,0	525

// C12243340**45° Flange SAE 3000 PSI J518 Code 61 - SFL 45
Solid one piece**

Item Code	Tail/Head	ID		Flange		FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size				
1214132	-4848	48	76,0	3"	48	101,6	140,0	54,0	2000
1214133	-6464	64	102,0	4"	64	127,0	264,5	161,0	525

// C12243390**90° Flange SAE 3000 PSI J518 Code 61 - SFL 90
Solid one piece**

Item Code	Tail/Head	ID		Flange		FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size				
1203198	-4848	48	76,0	3"	48	101,6	149,3	140,0	2000
1214145	-6464	64	102,0	4"	64	127,0	187,4	190,0	525



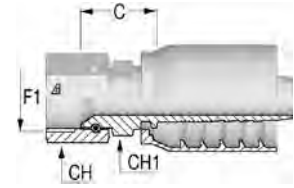
// ALFACRIMP // C126

// JIC 37° INSERTS.....	182	// SAE FLANGES	186
// NPTF INSERTS	183	// SUPERCAT FLANGES.....	188
// API INSERTS	184	// HAMMER UNION	190
// ORFS INSERTS.....	185		

// JIC 37° INSERTS

// C12626512

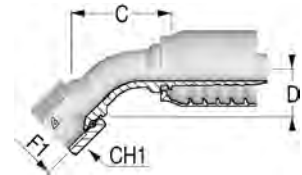
**JIC Female 37° Seat with Stem Hexagon
DKJ**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1216077	-1212	TN	12	19,0	3/4"	12	1 1/16-12	30,2	27,0	32,0
1216080	-1616	TN	16	25,0	1"	16	1 5/16-12	38,0	36,0	38,0
1216082	-2020	TN	20	32,0	1 1/4"	20	1 5/8-12	43,1	41,0	50,0
1216084	-2424	TN	24	38,0	1 1/2"	24	1 7/8-12	49,4	50,0	55,0

// C12622542

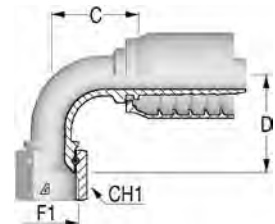
**45° JIC Female 37° Seat
DKJ 45
Solid one piece**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1216067	-1212	TN	12	19,0	3/4"	12	1 1/16-12	66,0	27,5	32,0
1216068	-1616	TN	16	25,0	1"	16	1 5/16-12	79,5	31,0	38,0
1216069	-2020	TN	20	32,0	1 1/4"	20	1 5/8-12	93,7	37,0	50,0
1216070	-2424	TN	24	38,0	1 1/2"	24	1 7/8-12	107,0	43,5	55,0

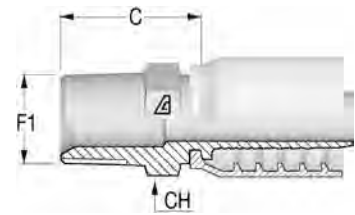
// C12622592

**90° JIC Female 37° Seat
DKJ 90
Solid one piece**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1216071	-1212	TN	12	19,0	3/4"	12	1 1/16-12	45,0	57,0	32,0
1216074	-1616	TN	16	25,0	1"	16	1 5/16-12	71,0	67,0	38,0
1216076	-2020	TN	20	32,0	1 1/4"	20	1 5/8-12	79,2	78,0	50,0
1214175	-2424	TN	24	38,0	1 1/2"	24	1 7/8-12	94,5	92,0	55,0

Dimensions shown may be changed without prior notice

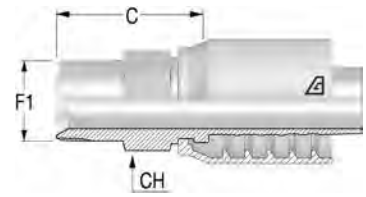
// NPTF INSERTS**// C12612810****NPTF Male 60° Seat
AGN**

Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size		mm	mm
1216038	-1212	NA	12	19,0	3/4"	12	3/4-14	35,5	27,0
1216039	-1616	NA	16	25,0	1"	16	1-11 1/2	46,5	36,0
1216040	-2020	NA	20	32,0	1 1/4"	20	1 1/4-11 1/2	52,0	46,0
1216041	-2424	NA	24	38,0	1 1/2"	24	1 1/2-11 1/2	55,5	50,0

// API INSERTS

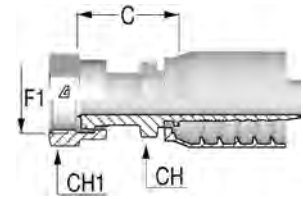
// C1261281Z

API Male

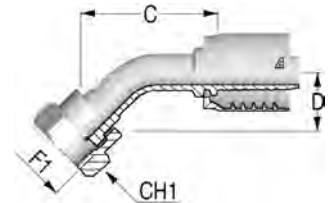


Item Code	Tail/Head	Nut Type	ID		F1	F1	C	CH
	Dash		Dash	mm	in		Dash Size	mm

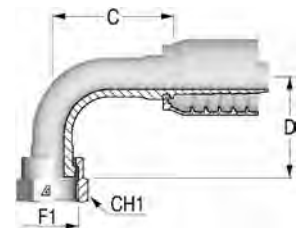
Dimensions shown may be changed without prior notice

// ORFS INSERTS**// C12622411****ORFS Female with Stem Hexagon**

Item Code	Tail/Head Dash	Nut Type	ID			F1 Dash Size	F1	C	CH	CH1
			Dash	mm	in					
1214173	-1212	CR	12	19,0	3/4"	12	1 3/16-12	40,0	30,0	36,0
1214174	-1216	CR	12	19,0	3/4"	16	1 7/16-12	43,0	36,0	41,0
1216051	-1616	CR	16	25,0	1"	16	1 7/16-12	47,0	36,0	41,0
1216052	-1620	CR	16	25,0	1"	20	1 11/16-12	49,0	46,0	50,0
1216053	-2020	CR	20	32,0	1 1/4"	20	1 11/16-12	47,2	46,0	50,0

// C12622441**45° ORFS Female
DK ORFS 45
Solid one piece**

Item Code	Tail/Head Dash	Nut Type	ID			F1 Dash Size	F1	C	D Drop	CH1
			Dash	mm	in					
1216055	-1212	CR	12	19,0	3/4"	12	1 3/16-12	77,7	26,0	36,0
1216056	-1216	CR	12	19,0	3/4"	16	1 7/16-12	68,4	28,0	41,0
1216057	-1616	CR	16	25,0	1"	16	1 7/16-12	114,0	28,0	41,0

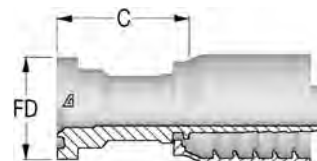
// C12622491**90° ORFS Female
DK ORFS 90
Solid one piece**

Item Code	Tail/Head Dash	Nut Type	ID			F1 Dash Size	F1	C	D Drop	CH1
			Dash	mm	in					
1216059	-1212	CR	12	19,0	3/4"	12	1 3/16-12	64,2	58,0	36,0
1216060	-1216	CR	12	19,0	3/4"	16	1 7/16-12	66,2	58,0	41,0
1216061	-1616	CR	16	25,0	1"	16	1 7/16-12	75,2	66,0	41,0
1216062	-2020	CR	20	32,0	1 1/4"	20	1 11/16-12	91,7	81,0	50,0

// SAE FLANGES

// C12643310

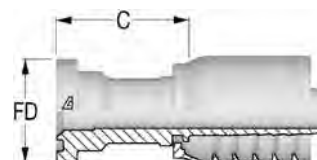
Flange SAE 3000 PSI J518 Code 61 - SFL



Item Code	Tail/Head	ID		Flange		C	FD	WP	
	Dash	Dash	mm	in	Dash Size				Flange Size
1216086	-1212	12	19,0	3/4"	12	3/4	43,5	38,1	5000
1216087	-1216	12	19,0	3/4"	16	1	51,5	44,5	5000
1216088	-1616	16	25,0	1"	16	1	53,5	44,5	5000
1216089	-1620	16	25,0	1"	20	1 1/4	56,0	50,8	4000
1216091	-2020	20	32,0	1 1/4"	20	1 1/4	58,5	50,8	4000
1216093	-2424	24	38,0	1 1/2"	24	1 1/2	63,5	60,3	3000
1216094	-2432	24	38,0	1 1/2"	32	2	75,0	71,4	3000
1237793	-3232	32	51,0	2"	32	2	85,0	71,4	3000

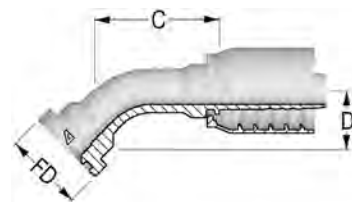
// C12643610

Flange SAE 6000 PSI J518 Code 62 - SFS

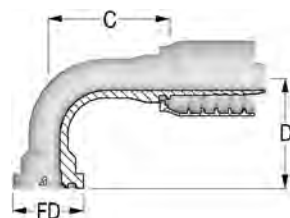


Item Code	Tail/Head	ID		Flange		C	FD	WP	
	Dash	Dash	mm	in	Dash Size				Flange Size
1216120	-1212	12	19,0	3/4"	12	3/4	50,0	41,3	6000
1216121	-1216	12	19,0	3/4"	16	1	53,0	47,6	6000
1216123	-1616	16	25,0	1"	16	1	54,0	47,6	6000
1216124	-1620	16	25,0	1"	20	1 1/4	61,0	54,0	6000
1216125	-2020	20	32,0	1 1/4"	20	1 1/4	62,2	54,0	6000
1216126	-2024	20	32,0	1 1/4"	24	1 1/2	68,2	63,5	6000
1216127	-2424	24	38,0	1 1/2"	24	1 1/2	68,5	63,5	6000
1216128	-2432	24	38,0	1 1/2"	32	2	80,5	79,4	6000

Dimensions shown may be changed without prior notice

// C12643640**45° Flange SAE 6000 PSI J518 Code 62 - SFS 45
Solid one piece**

Item Code	Tail/Head		ID		Flange		FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size	Flange Size				
1216140	-1212	12	19,0	3/4"	12	3/4	41,3	72,1	30,0	6000
1216141	-1216	12	19,0	3/4"	16	1	47,6	76,8	33,0	6000
1216142	-1616	16	25,0	1"	16	1	47,6	94,8	38,5	6000
1216143	-1620	16	25,0	1"	20	1 1/4	54,0	105,3	44,0	6000
1216144	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	102,0	41,0	6000
1216145	-2024	20	32,0	1 1/4"	24	1 1/2	63,5	111,7	48,0	6000
1216146	-2424	24	38,0	1 1/2"	24	1 1/2	63,5	136,3	48,0	6000
1216147	-2432	24	38,0	1 1/2"	32	2	79,4	129,1	55,0	6000

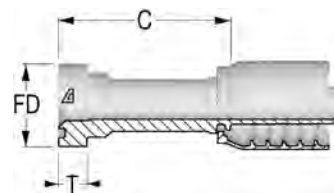
// C12643690**90° Flange SAE 6000 PSI J518 Code 62 - SFS 90
Solid one piece**

Item Code	Tail/Head		ID		Flange		FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size	Flange Size				
1216154	-1212	12	19,0	3/4"	12	3/4	41,3	61,2	64,0	6000
1216155	-1216	12	19,0	3/4"	16	1	47,6	61,2	66,0	6000
1216157	-1616	16	25,0	1"	16	1	47,6	70,4	74,0	6000
1216158	-1620	16	25,0	1"	20	1 1/4	54,0	77,2	85,0	6000
1216159	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	88,2	91,0	6000
1216160	-2024	20	32,0	1 1/4"	24	1 1/2	63,5	92,9	103,5	6000
1216161	-2420	24	38,0	1 1/2"	20	1 1/4	54,0	105,0	85,0	6000
1216162	-2424	24	38,0	1 1/2"	24	1 1/2	63,5	106,3	109,0	6000
1216163	-2432	24	38,0	1 1/2"	32	2	79,4	106,5	121,5	6000

// SUPERCAT FLANGES

// C12643910

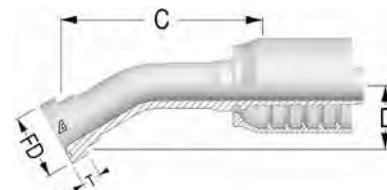
Flange SUPERCAT



Item Code	Tail/Head	ID		Flange		Flange Size	FD	T	C
	Dash	Dash	mm	in	Dash Size				
1216165	-1212	12	19,0	3/4"	12	3/4	41,3	14,3	82,0
1216166	-1216	12	19,0	3/4"	16	1	47,6	14,3	82,0
1216167	-1616	16	25,0	1"	16	1	47,6	14,3	90,0
1216168	-1620	16	25,0	1"	20	1 1/4	54,0	14,3	90,0
1216169	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	86,2
1216170	-2424	24	38,0	1 1/2"	24	1 1/2	63,5	14,3	89,0

// C12643930

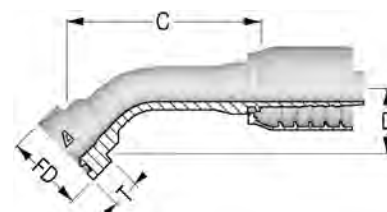
30° Flange SUPERCAT
Solid one piece



Item Code	Tail/Head	ID		Flange		Flange Size	FD	T	C	D Drop
	Dash	Dash	mm	in	Dash Size					
1216173	-1212	12	19,0	3/4"	12	3/4	41,3	14,3	115,0	24,0
1216174	-1216	12	19,0	3/4"	16	1	47,6	14,3	118,0	26,5
1233049	-1616	16	25,0	1"	16	1	47,6	14,3	139,0	27,0
1233050	-1620	16	25,0	1"	20	1 1/4	54,0	14,3	137,0	25,5

// C12643940

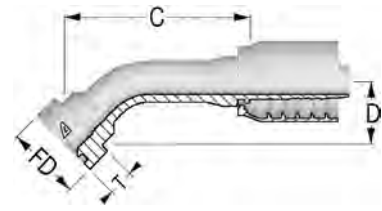
45° Flange SUPERCAT
Solid one piece



Item Code	Tail/Head	ID		Flange		Flange Size	FD	T	C	D Drop
	Dash	Dash	mm	in	Dash Size					
1216177	-1212	12	19,0	3/4"	12	3/4	41,3	14,3	103,0	33,7
1216178	-1216	12	19,0	3/4"	16	1	47,6	14,3	87,4	35,8
1216179	-1616	16	25,0	1"	16	1	47,6	14,3	93,9	42,5
1216180	-1620	16	25,0	1"	20	1 1/4	54,0	14,3	95,4	40,0
1216181	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	103,6	45,1
1245063	-3232	32	51,0	2"	32	2	79,4	-	179,0	63,0

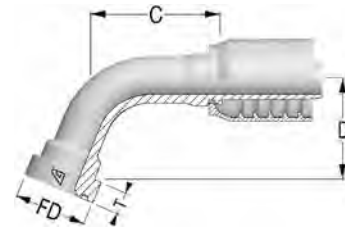
Dimensions shown may be changed without prior notice

// C12643960

60° Flange SUPERCAT
Solid one piece

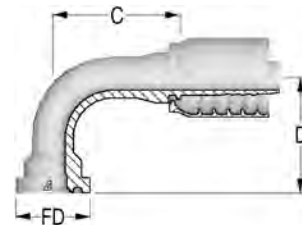
Item Code	Tail/Head		ID		Flange		FD	T	C	D Drop
	Dash	Dash	mm	in	Dash Size	Flange Size				
1216182	-1212	12	19,0	3/4"	12	3/4	41,3	14,3	92,6	46,0
1216183	-1216	12	19,0	3/4"	16	1	47,6	14,3	95,6	48,5
1216184	-1616	16	25,0	1"	16	1	47,6	14,3	118,0	59,0
1216185	-1620	16	25,0	1"	20	1 1/4	54,0	14,3	118,0	57,0

// C12643970

67,5° Flange SUPERCAT
Solid one piece

Item Code	Tail/Head		ID		Flange		FD	T	C	D Drop
	Dash	Dash	mm	in	Dash Size	Flange Size				
1216193	-1212	12	19,0	3/4"	12	3/4	41,3	14,3	86,1	51,8
1216194	-1216	12	19,0	3/4"	16	1	47,6	14,3	88,8	54,6
1233051	-1616	16	25,0	1"	16	1	47,6	14,3	111,0	67,0
1233052	-1620	16	25,0	1"	20	1 1/4	54,0	14,3	109,0	64,0
1233053	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	119,3	70,6

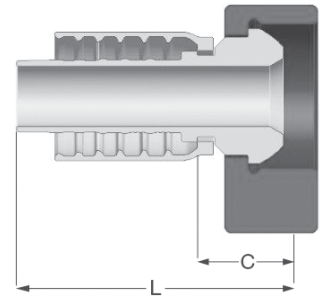
// C12643990

90° Flange SUPERCAT
Solid one piece

Item Code	Tail/Head		ID		Flange		FD	T	C	D Drop
	Dash	Dash	mm	in	Dash Size	Flange Size				
1216188	-1212	12	19,0	3/4"	12	3/4	41,3	14,3	63,7	67,0
1216189	-1216	12	19,0	3/4"	16	1	47,6	14,3	65,2	70,0
1216190	-1616	16	25,0	1"	16	1	47,6	14,3	80,4	79,0
1216192	-1620	16	25,0	1"	20	1 1/4	54,0	14,3	75,4	82,5
1233054	-2020	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	89,2	93,0
1245064	-3232	32	51,0	2"	32	2	79,4	-	152,0	138,5

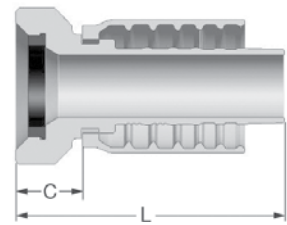
// HAMMER UNION

// C12613F13

Male Hammer Union Fig. 1502 Integral Fitting with Lug Nut

Item Code	Tail/Head	ID			C	L
	Dash	Dash	mm	in	mm	mm
1245065	-3232	32	51,0	2"	71,0	185,50

// C12623F10

Female Hammer Union Fig. 1502 Integral Fitting with Rubber Ring

Item Code	Tail/Head	ID			C	L
	Dash	Dash	mm	in	mm	mm
1245061	-3232	32	51,0	2"	67,5	182,00



CENTRALA ELBLĄG

Ul. Rawska 19B
82-300 Elbląg

tel. /+48/ 55 625 51 00

fax /+48/ 55 625 51 01

Dział Handlowy

tel. /+48/ 55 625 51 51

elblag@hydropress.pl



www.hydropress.pl

ODDZIAŁ GDAŃSK

tel. /+48/ 55 625 51 21

fax /+48/ 55 625 51 22

ODDZIAŁ RUMIA

tel. /+48/ 58 679 34 15

fax /+48/ 55 625 51 25

ODDZIAŁ TYCHY

tel. /+48/ 32 787 52 88

fax /+48/ 55 625 51 38

ODDZIAŁ OLSZTYN

tel. /+48/ 89 532 01 05

fax /+48/ 89 715 21 42

ODDZIAŁ WARSZAWA

tel. /+48/ 22 468 86 97

fax /+48/ 55 625 51 32

BIURO HANDLOWE WROCŁAW

tel. /+48/ 782 838 000

fax /+48/ 55 625 51 35

BIURO HANDLOWE KIELCE

tel. /+48/ 885 995 501

fax /+48/ 55 625 51 01

BIURO HANDLOWE KRAKÓW

tel. /+48/ 885 995 019

fax /+48/ 55 625 51 01

BIURO HANDLOWE OPOLE

tel. /+48/ 885 995 011

fax /+48/ 55 625 51 01

BIURO HANDLOWE BYDGOSZCZ

tel. /+48/ 790 222 771

fax /+48/ 55 625 51 01

CENTRALA ELBLĄG

Ul. Rawska 19B
82-300 Elbląg

tel. /+48/ 55 625 51 00

fax /+48/ 55 625 51 01

Dział Handlowy

tel. /+48/ 55 625 51 51

elblag@hydropress.pl



www.hydropress.pl

ODDZIAŁ GDAŃSK

tel. /+48/ 55 625 51 21

fax /+48/ 55 625 51 22

ODDZIAŁ RUMIA

tel. /+48/ 58 679 34 15

fax /+48/ 55 625 51 25

ODDZIAŁ TYCHY

tel. /+48/ 32 787 52 88

fax /+48/ 55 625 51 38

ODDZIAŁ OLSZTYN

tel. /+48/ 89 532 01 05

fax /+48/ 89 715 21 42

ODDZIAŁ WARSZAWA

tel. /+48/ 22 468 86 97

fax /+48/ 55 625 51 32

BIURO WE WROCŁAWIU

tel. /+48/ 782 838 000

fax /+48/ 55 625 51 35

BIURO W KIELCACH

tel. /+48/ 885 995 501

fax /+48/ 55 625 51 01

BIURO W KRAKOWIE

tel. /+48/ 885 995 019

fax /+48/ 55 625 51 01

BIURO W OPOLU

tel. /+48/ 885 995 011

fax /+48/ 55 625 51 01

BIURO W BYDGOSZCZY

tel. /+48/ 790 222 771

fax /+48/ 55 625 51 01

BIURO W BIAŁYMSTOKU

tel. /+48/ 89 532 01 05

fax /+48/ 89 715 21 42

BIURO W ŁODZI

tel. /+48/ 609 221 421

fax /+48/ 89 715 21 42