



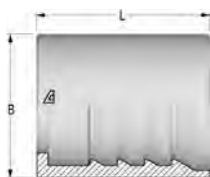
## // STANDARD

// 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

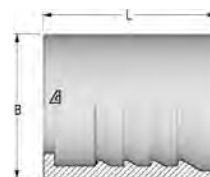
#### Skive Ferrule



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

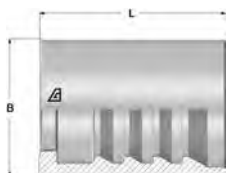
#### Skive Ferrule



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

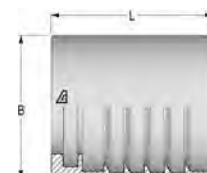
#### Skive Ferrule



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

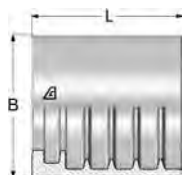
#### No-skive Ferrule



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

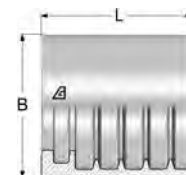
#### No-skive Ferrule



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

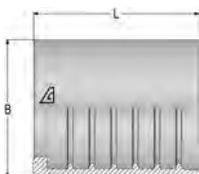
#### No-skive Ferrule



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

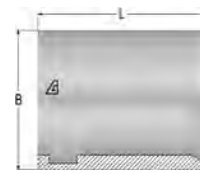
Dimensions shown may be changed without prior notice

**// H1200TP0**  
**No-skive Ferrule**



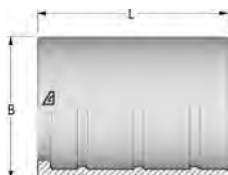
Item Code	ID		B	L
	Dash	mm		
1232354	03	5,0	3/16"	22,0
1232358	04	6,0	1/4"	26,5
1232359	05	8,0	5/16"	26,5
1232360	06	10,0	3/8"	26,5
1232361	08	13,0	1/2"	30,5

**// 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**

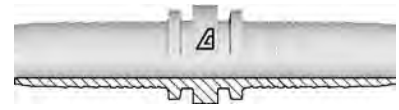


Item Code	ID		B	L
	Dash	mm		
1236581	03	5,0	3/16"	21,5
1236582	04	6,0	1/4"	24,7
1236583	05	8,0	5/16"	24,7
1236584	06	10,0	3/8"	29,7
1236585	08	13,0	1/2"	30,5
1236586	10	16,0	5/8"	35,5
1236587	12	19,0	3/4"	36,0
1236588	16	25,0	1"	42,5
1236589	20	31,0	1 1/4"	56,5
1236590	24	38,0	1 1/2"	61,5
1236591	32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

## // HOSE MENDER

## // H12C5610

## Hose Mender



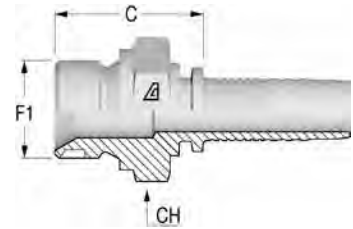
Item Code	Tail/Head	ID		
	Dash	Dash	mm	in
1202949	-0404	04	6,0	1/4"
1202870	-0505	05	8,0	5/16"
1202868	-0606	06	10,0	3/8"
1202867	-0808	08	13,0	1/2"
1203160	-1010	10	16,0	5/8"
1203161	-1212	12	19,0	3/4"
1220608	-1616	16	25,0	1"
1220607	-2020	20	32,0	1 1/4"
1220605	-2424	24	38,0	1 1/2"
1220606	-3232	32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

Dimensions shown may be changed without prior notice

## // BSP INSERTS

### // H1210510

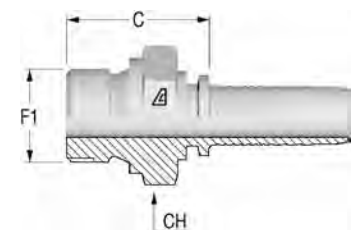
**BSP Male 60° Flare  
AGR**



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

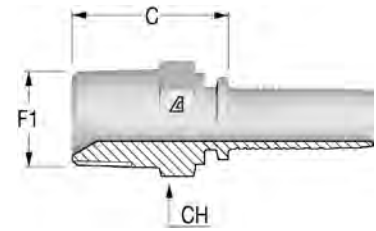
**BSP Male Flat Seat  
AGR FD**



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

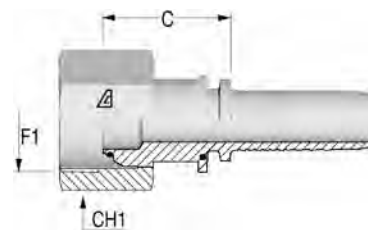
**BSPT Male  
AGR K**



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

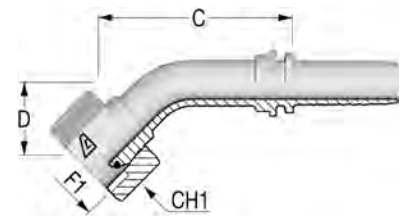
## // H1220813

**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**



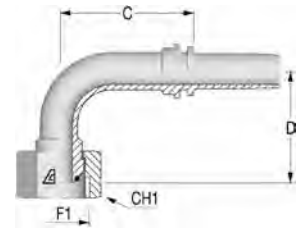
Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
1202341	-0404	SN	04	6,0	1/4"	04	1/4-19	45,5	15,0	19,0	
1202342	-0406	SN	04	6,0	1/4"	06	3/8-19	41,5	17,5	22,0	
1214200	-0504	CR	05	8,0	5/16"	04	1/4-19	19,0	17,5	19,0	
1202343	-0506	SN	05	8,0	5/16"	06	3/8-19	45,1	18,5	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

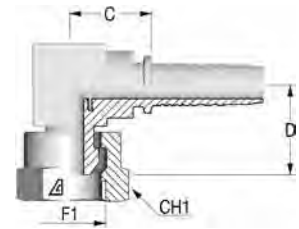
90° BSPP Female 60° Cone with O-Ring  
DKOR 90  
Solid one piece



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**

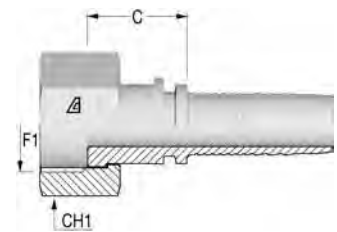
**90° Compact BSPP Female 60° Cone  
DKR 90**



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**

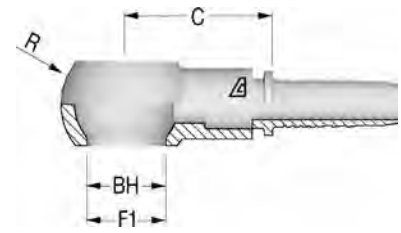


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size			
1202226	-0404	SN	04	6,0	1/4"	04	1/4-19	20,3	19,0
1202227	-0606	SN	06	10,0	3/8"	06	3/8-19	20,3	22,0
1202140	-0608	SN	06	10,0	3/8"	08	1/2-14	20,8	27,0
1202228	-0808	SN	08	13,0	1/2"	08	1/2-14	21,6	27,0
1202229	-0812	SN	08	13,0	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**

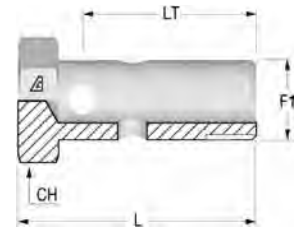
**BSP Banjo  
RNR**



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**

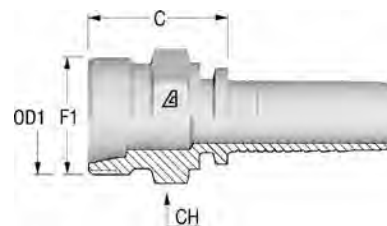


Item Code	ID	F1	LT	L	CH
	Dash		mm	mm	mm
1210365	08	1/2-14	38,0	46,0	27,0
1210366	04	1/4-19	25,0	30,0	19,0
1210367	06	3/8-19	31,0	38,0	22,0
1210402	16	1-11	58,0	69,0	38,0
1210403	12	3/4-14	47,0	56,0	32,0

## // DIN METRIC INSERTS

### // H1211110

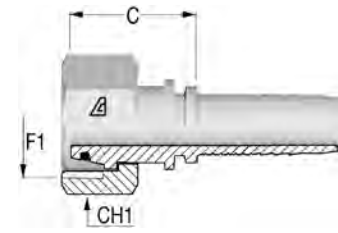
**Metric Male 24° Seat - Light  
DIN 3853 - CEL**



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

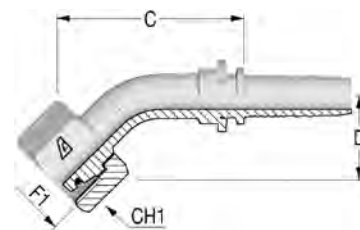
## // H1221513

**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**

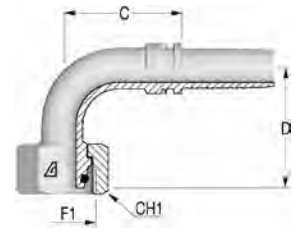


Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1200594	-0312	SN	03	5,0	3/16"	M12X1.5	6	44,9	19,0	14,0
1216676	-0412	CR	04	6,0	1/4"	M12X1.5	6	45,2	15,5	14,0
1200612	-0414	SN	04	6,0	1/4"	M14X1.5	8	43,0	17,5	17,0
1201576	-0416	SN	04	6,0	1/4"	M16X1.5	10	42,0	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

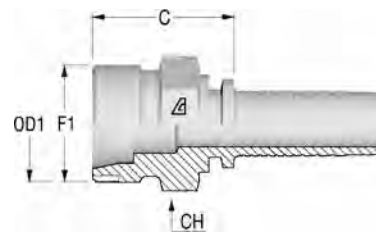
**90° Metric Female 24° Cone with O-Ring - Light**  
**DIN 3865 - DKOL 90**  
**Solid one piece**



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**

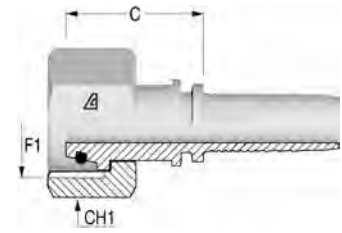


Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	CH mm
			Dash	mm	in				
1201828	-0414	NA	04	6,0	1/4"	M14X1.5	6	24,3	17,0
1200485	-0416	NA	04	6,0	1/4"	M16X1.5	8	24,3	17,0
1200477	-0418	NA	04	6,0	1/4"	M18X1.5	10	25,3	19,0
1200521	-0520	NA	05	8,0	5/16"	M20X1.5	12	25,3	22,0
1202267	-0618	NA	06	10,0	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

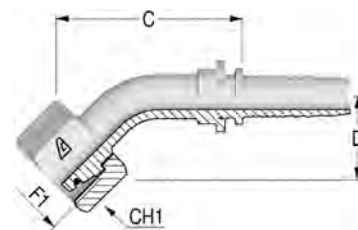
## // H1221613

**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**

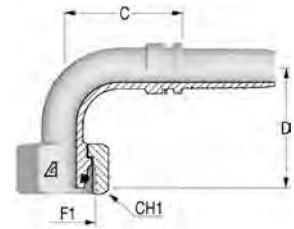


Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1216697	-0414	SN	04	6,0	1/4"	M14X1.5	6	47,0	20,0	17,0
1200613	-0416	SN	04	6,0	1/4"	M16X1.5	8	48,6	16,0	19,0
1200611	-0418	SN	04	6,0	1/4"	M18X1.5	10	43,5	19,0	22,0
1200647	-0520	SN	05	8,0	5/16"	M20X1.5	12	48,1	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

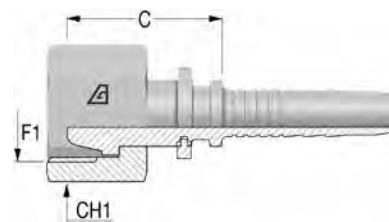
## // H1221693

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



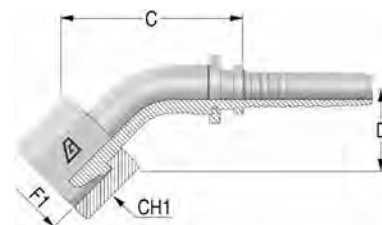
Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1201065	-0414	SN	04	6,0	1/4"	M14X1.5	6	27,3	33,0	17,0
1200619	-0416	SN	04	6,0	1/4"	M16X1.5	8	27,3	33,0	19,0
1200617	-0418	SN	04	6,0	1/4"	M18X1.5	10	26,8	34,0	22,0
1200650	-0520	SN	05	8,0	5/16"	M20X1.5	12	33,2	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**

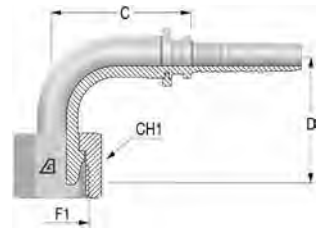


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1216669	-0414	SN	04	6,0	1/4"	14	M14X1.5	36,5	16,0	17,0
1225973	-1026	SN	10	16,0	5/8"	26	M26X1.5	54,0	22,0	32,0

Dimensions shown may be changed without prior notice

**// H1221393**

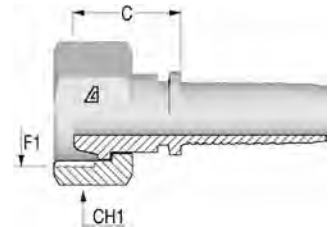
**90° Universal Metric Female**



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**

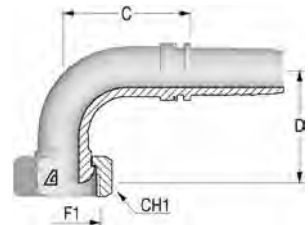
**Metric Female 60° Cone - DIN 3863**



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**

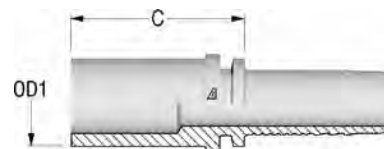
**90° Metric Female 60° Cone - DIN 3863  
Solid one piece**



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**

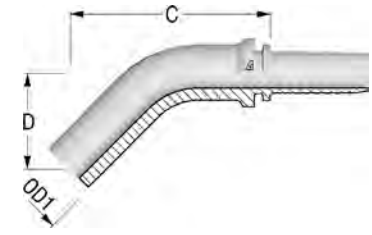


Item Code	Tail/Head	Dash	ID		OD1	C
	Dash/mm		mm	in		
1200855	-0306	03	5,0	3/16"	6	27,8
1200856	-0308	03	5,0	3/16"	8	29,8
1200865	-0406	04	6,0	1/4"	6	28,3
1200867	-0408	04	6,0	1/4"	8	30,2
1200859	-0410	04	6,0	1/4"	10	32,2
1200860	-0412	04	6,0	1/4"	12	31,2
1200878	-0508	05	8,0	5/16"	8	30,3
1200871	-0510	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

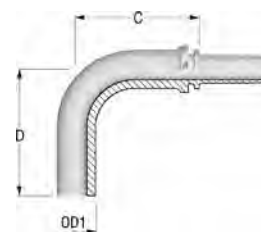
**45° Metric Standpipe**  
**RSL 45/RSS 45 - DIN 2353**  
**Solid one piece**



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**



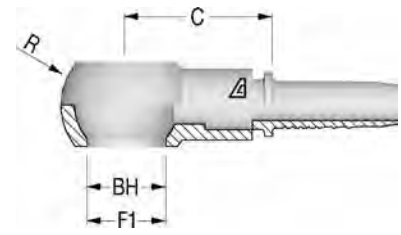
Item Code	Tail/Head	Dash	ID		OD1	C	D Drop
	Dash/mm		mm	in			
1200857	-0306	03	5,0	3/16"	6	24,5	36,0
1200869	-0406	04	6,0	1/4"	6	25,4	36,0
1200870	-0408	04	6,0	1/4"	8	25,9	44,0
1200868	-0410	04	6,0	1/4"	10	30,6	42,0
1202296	-0412	04	6,0	1/4"	12	34,9	50,0
1200879	-0510	05	8,0	5/16"	10	28,6	48,5
1200880	-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**

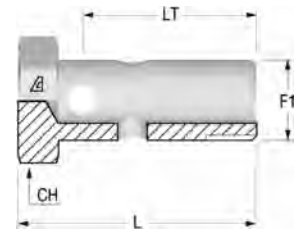
**Metric Banjo  
RNM**



Item Code	Tail/Head	Dash	ID		F1	C	BH	R
	Dash		Dash	mm		in	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**

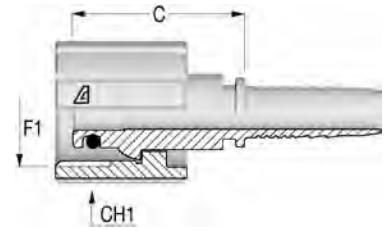


Item Code	ID	F1	LT	L	CH
	Dash		mm	mm	mm
1210405	30	M30X1.5	51,0	62,0	38,0
1210406	26	M26X1.5	42,0	52,0	32,0
1210371	22	M22X1.5	41,0	48,0	27,0
1210384	16	M16X1.5	34,0	41,0	22,0
1210374	10	M10X1.0	19,0	24,0	14,0
1210375	12	M12X1.5	24,0	29,0	17,0
1210368	14	M14X1.5	28,0	34,0	19,0
1210369	18	M18X1.5	37,0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

## // PRESSURE WASHER

### // H1224914

#### Universal Female for Pressure Washer



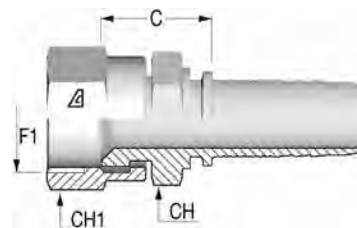
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size			
1203350	-0422	TN	04	6,0	1/4"	22	M22X1.5	36,8	35,0
1203351	-0522	TN	05	8,0	5/16"	22	M22X1.5	36,8	35,0
1203352	-0622	TN	06	10,0	3/8"	22	M22X1.5	36,8	35,0

Dimensions shown may be changed without prior notice

## // SAE INSERTS

### // H1226611

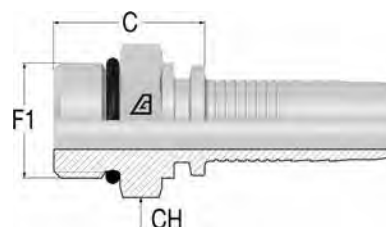
#### SAE Female Swivel 45° Seat



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

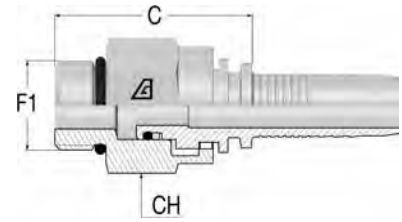
### // H1213010

#### SAE Male Solid O-Ring Boss



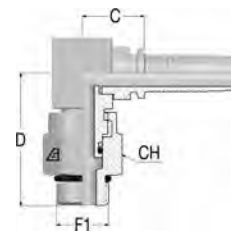
Item Code	Tail/Head Dash	Nut Type	ID			F1 Dash Size	F1	C	CH
			Dash	mm	in				
1203147	-0404	NA	04	6,0	1/4"	04	7/16-20	20,3	14,0
1201833	-0405	NA	04	6,0	1/4"	05	1/2-20	21,3	16,0
1202519	-0406	NA	04	6,0	1/4"	06	9/16-18	22,3	17,0
1201834	-0606	NA	06	10,0	3/8"	06	9/16-18	23,3	19,0
1200337	-0608	NA	06	10,0	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**

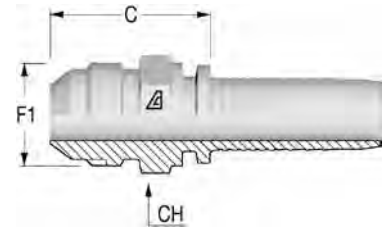


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH
	Dash		Dash	mm	in	Dash Size				
1226490	-0405	CR	04	6,0	1/4"	05	1/2-20	17,0	34,0	17,0
1225933	-0608	CR	06	10,0	3/8"	08	3/4-16	22,0	44,0	25,0
1225934	-0808	CR	08	13,0	1/2"	08	3/4-16	23,0	47,0	25,0
1225935	-0810	CR	08	13,0	1/2"	10	7/8-14	23,0	49,0	25,0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

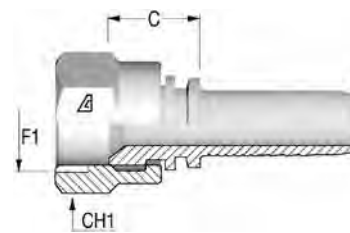
## // H1212510

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

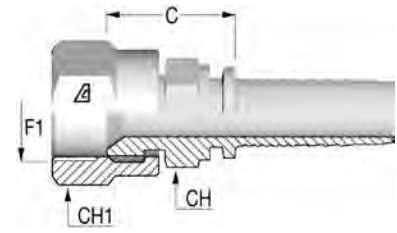
JIC Female 37° Seat  
DKJ



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**

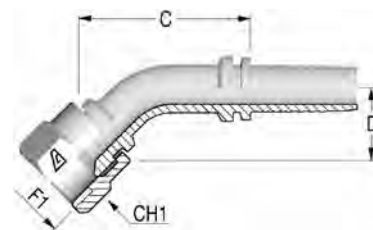
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1200599	-0304	CR	03	5,0	3/16"	04	7/16-20	18,1	12,0	16,0
1200621	-0404	CR	04	6,0	1/4"	04	7/16-20	19,6	14,0	16,0
1202406	-0405	CR	04	6,0	1/4"	05	1/2-20	20,3	14,0	17,0
1200622	-0406	CR	04	6,0	1/4"	06	9/16-18	20,3	14,0	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**



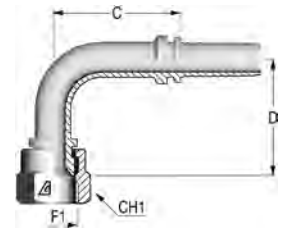
Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
1202821	-0304	CR	03	5,0	3/16"	04	7/16-20	37,1	10,0	16,0	
1202822	-0404	CR	04	6,0	1/4"	04	7/16-20	36,6	10,0	16,0	
1202823	-0405	CR	04	6,0	1/4"	05	1/2-20	37,2	12,0	17,0	
1202824	-0406	CR	04	6,0	1/4"	06	9/16-18	39,4	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

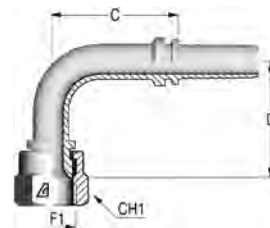
90° JIC Female 37° Seat - Short Drop  
DKJ 90S  
Solid one piece



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**

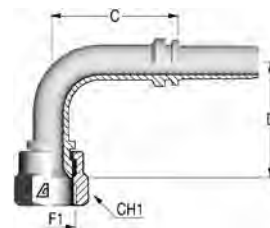
**90° JIC Female 37° Seat - Medium Drop  
DKJ 90M  
Solid one piece**



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**

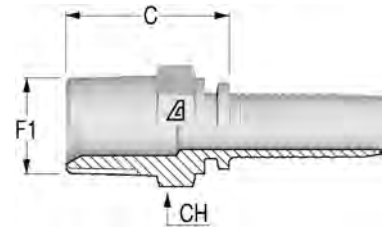


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1203131	-0404	CR	04	6,0	1/4"	04	7/16-20	30,8	46,0	16,0
1214215	-0405	CR	04	6,0	1/4"	05	1/2-20	31,3	45,0	17,0
1214216	-0808	CR	08	13,0	1/2"	08	3/4-16	49,9	64,0	25,0
1202843	-0810	CR	08	13,0	1/2"	10	7/8-14	37,3	65,0	27,0
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

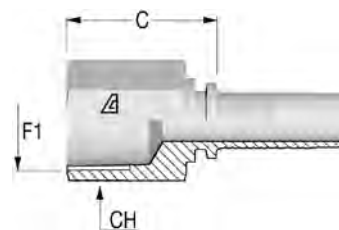
## // NPTF INSERTS

## // H1212810

NPTF Male 60° Seat  
AGN

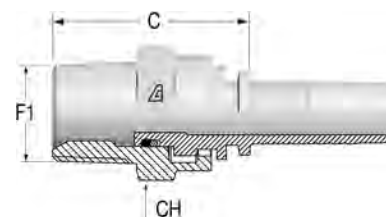
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size		mm	mm
1200448	-0302	NA	03	5,0	3/16"	02	1/8-27	20,8	12,0
1200466	-0402	NA	04	6,0	1/4"	02	1/8-27	21,3	14,0
1200467	-0406	NA	04	6,0	1/4"	06	3/8-18	27,8	19,0
1203150	-0408	NA	04	6,0	1/4"	08	1/2-14	31,3	22,0
1200511	-0504	NA	05	8,0	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**



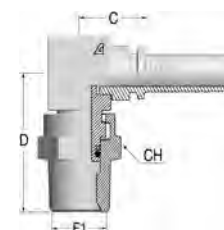
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1216794	-0402	NA	04	6,0	1/4"	02	1/8-27	22,3	14,0
1200464	-0404	NA	04	6,0	1/4"	04	1/4-18	27,8	19,0
1216796	-1212	NA	12	19,0	3/4"	12	3/4-14	38,1	32,0
1216797	-1616	NA	16	25,0	1"	16	1-11 1/2	44,9	38,0

**// 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**

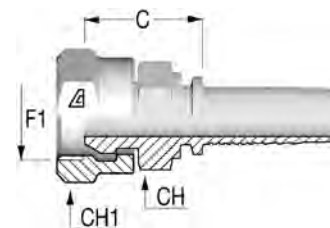


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH
	Dash		Dash	mm	in	Dash Size				
1225918	-0404	CR	04	6,0	1/4"	04	1/4-18	17,0	39,0	17,0
1225920	-0606	CR	06	10,0	3/8"	06	3/8-18	20,0	41,0	22,0
1225921	-0808	CR	08	13,0	1/2"	08	1/2-14	23,0	48,0	25,0
1225922	-1212	CR	12	19,0	3/4"	12	3/4-14	27,0	61,0	32,0

Dimensions shown may be changed without prior notice

## // NPSM INSERTS

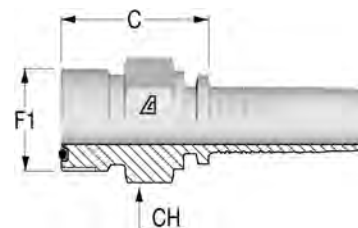
### // H1227311 NPSM Female



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

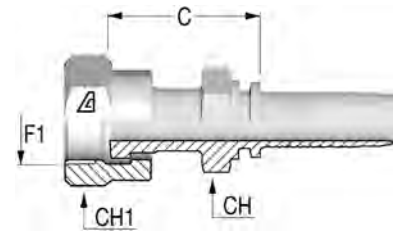


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size		mm	mm
1202488	-0404	NA	04	6,0	1/4"	04	9/16-18	22,3	17,0
1202489	-0406	NA	04	6,0	1/4"	06	11/16-16	24,3	19,0
1214185	-0506	NA	05	8,0	5/16"	06	11/16-16	24,3	19,0
1202490	-0606	NA	06	10,0	3/8"	06	11/16-16	24,3	19,0
1202491	-0608	NA	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

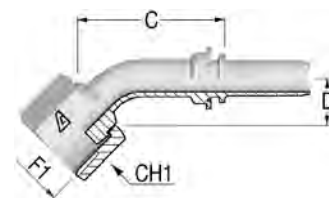
## ORFS Female with Stem Hexagon



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**

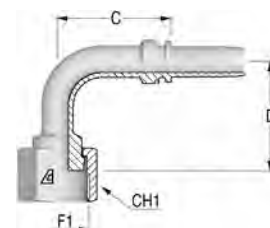
**45° ORFS Female - Medium Drop**  
**DK ORFS 45M**  
**Solid one piece**



Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
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**



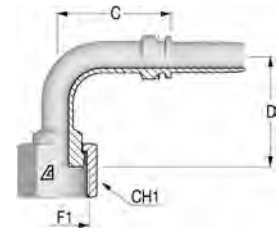
Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
1202778	-0404	SN	04	6,0	1/4"	04	9/16-18	28,5	21,0	17,0	
1202856	-0406	SN	04	6,0	1/4"	06	11/16-16	32,0	23,0	22,0	
1202857	-0506	SN	05	8,0	5/16"	06	11/16-16	49,3	23,0	22,0	
1202858	-0606	SN	06	10,0	3/8"	06	11/16-16	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**

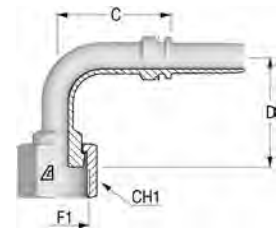
**90° ORFS Female - Medium Drop**  
**DK ORFS 90M**  
**Solid one piece**



Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
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**

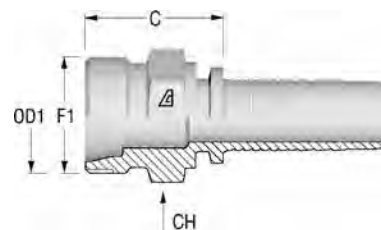


Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
1210841	-0404	SN	04	6,0	1/4"	04	9/16-18	32,8	46,0	17,0	
1203139	-0406	SN	04	6,0	1/4"	06	11/16-16	34,8	54,0	22,0	
1203138	-0606	SN	06	10,0	3/8"	06	11/16-16	41,8	54,0	22,0	
1203057	-0608	SN	06	10,0	3/8"	08	13/16-16	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

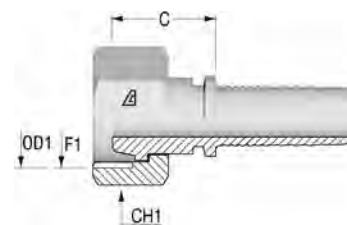
**Metric Male  
French Type**



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

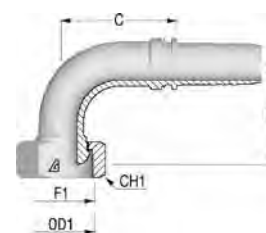
**Metric Female  
French Type**



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**



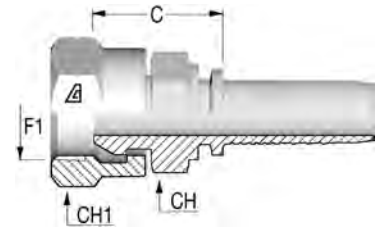
Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1200654	-0520	SN	05	8,0	5/16"	M20X1.5	14	32,5	36,5	24,0
1200683	-0620	SN	06	10,0	3/8"	M20X1.5	14	36,7	44,0	24,0
1200719	-0824	SN	08	13,0	1/2"	M24X1.5	16	39,5	46,0	30,0
1203156	-1030	SN	10	16,0	5/8"	M30X1.5	22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

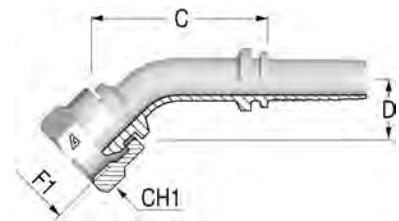
JIS Female 60° Cone - B 8363 (type C)



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

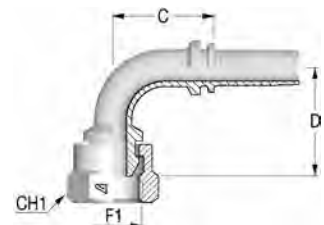
45° JIS Female 60° Cone - B 8363 (type C)



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

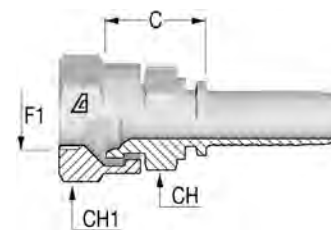
90° JIS Female 60° Cone - B 8363 (type C)



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**

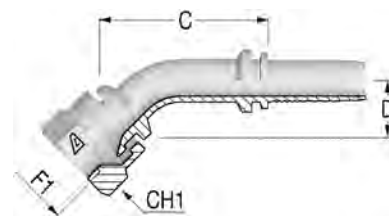
**JIS Female 60° Seat Flare - B 8363 (type F)**



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**

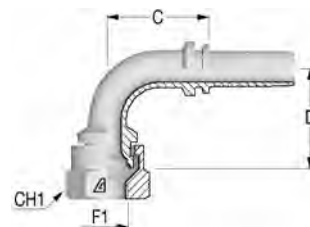
**45° JIS Female 60° Seat Flare - B 8363 (type F)**



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)**



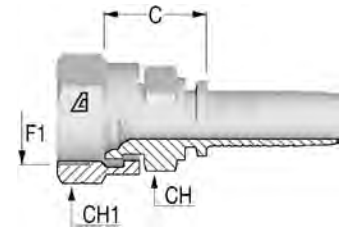
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
1203095	-0404	CR	04	6,0	1/4"	04	1/4-19	27,3	29,5	19,0
1203094	-0606	CR	06	10,0	3/8"	06	3/8-19	31,3	33,0	22,0
1203093	-0808	CR	08	13,0	1/2"	08	1/2-14	37,3	36,5	27,0
1203092	-1212	CR	12	19,0	3/4"	12	3/4-14	46,1	52,0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

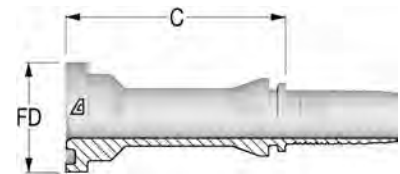
#### Komatsu Female



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

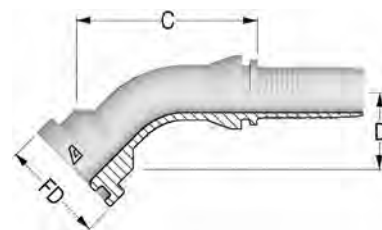
#### Komatsu Flange



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**

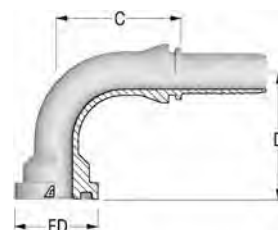
**45° Komatsu Flange  
Solid one piece**



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

**// H1244190**

**90° Komatsu Flange  
Solid one piece**



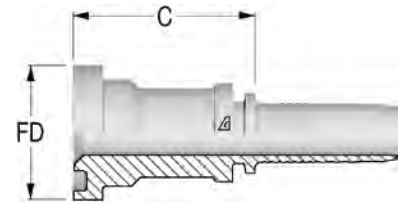
Item Code	Tale/Head	ID			Flange	Flange Size	FD	C	D Drop
	Dash	Dash	mm	in	Dash Size		mm	mm	mm
1202067	-1010	10	16,0	5/8"	10	5/8	34,0	51,0	51,0

Dimensions shown may be changed without prior notice

## // SAE FLANGES

### // H1243310

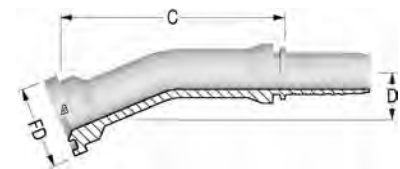
Flange SAE 3000 PSI J518 Code 61 - SFL



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

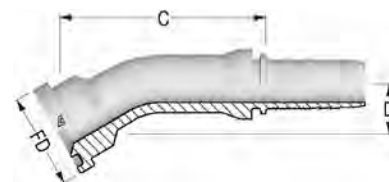
22° Flange SAE 3000 PSI J518 Code 61 - SFL 22  
Solid one piece



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**

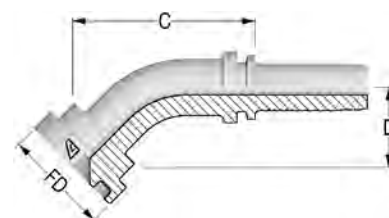
**30° Flange SAE 3000 PSI J518 Code 61 - SFL 30**  
**Solid one piece**



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**



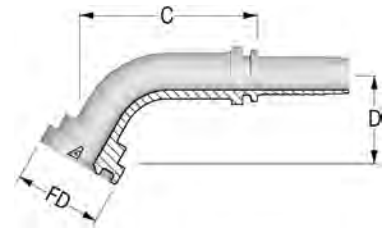
Item Code	Tail/Head		ID		Flange		FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size	Flange Size				
1202748	-0808	08	13,0	1/2"	08	1/2	30,2	52,9	22,0	5000
1202751	-0812	08	13,0	1/2"	12	3/4	38,1	60,3	26,0	5000
1202752	-1216	12	19,0	3/4"	16	1	44,5	77,9	29,0	5000
1214223	-1220	12	19,0	3/4"	20	1 1/4	50,8	81,5	30,0	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**

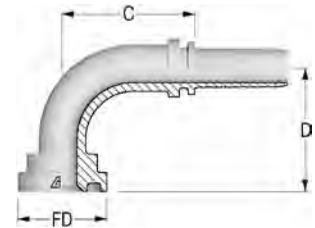
**60° Flange SAE 3000 PSI J518 Code 61 - SFL 60**  
**Solid one piece**



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**

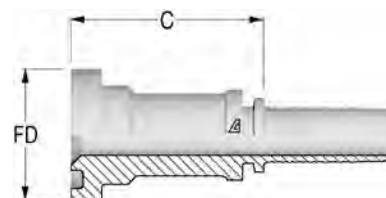
**90° Flange SAE 3000 PSI J518 Code 61 - SFL 90**  
**Solid one piece**



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**

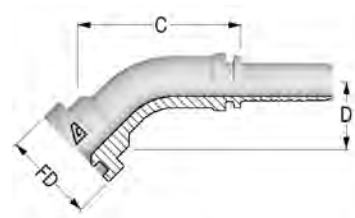
**Flange SAE 6000 PSI J518 Code 62 - SFS**



Item Code	Tail/Head	ID		Flange		Flange Size	C	FD	WP
	Dash	Dash	mm	in	Dash Size		mm	mm	
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**

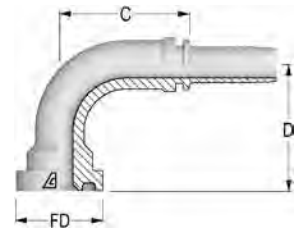


Item Code	Tail/Head	ID		Flange		Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size		mm	mm	mm	
1201729	-0808	08	13,0	1/2"	08	1/2	31,8	56,5	23,0	6000
1202764	-0812	08	13,0	1/2"	12	3/4	41,3	79,9	30,5	6000
1216910	-1012	10	16,0	5/8"	12	3/4	41,3	69,0	31,0	6000
1202082	-1212	12	19,0	3/4"	12	3/4	41,3	84,1	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

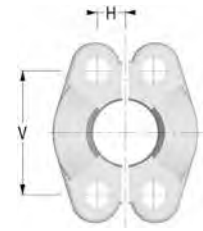
90° Flange SAE 6000 PSI J518 Code 62 - SFS 90  
Solid one piece



Item Code	Tail/Head	Dash	ID		Flange		FD	C	D Drop	WP
	Dash		mm	in	Dash Size	Flange Size				
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**

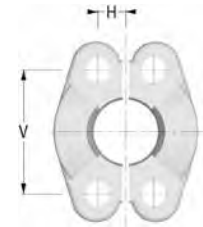
**Split Flange Clamp 3000 PSI J518 Code 61 - FHL**



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

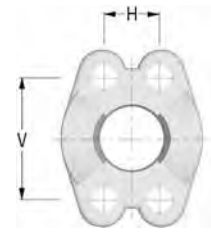
**// H10W3620**

**Split Flange Clamp 6000 PSI J518 Code 62 - FHS**

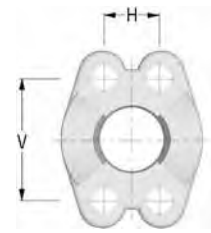


Item Code	ID	FD	V	H
	Dash	in	mm	mm
1900445	-0800	1/2"	40,5	9,1
1900450	-1200	3/4"	50,8	11,9
1900446	-1600	1"	57,2	13,9
1900448	-2000	1 1/4"	66,7	15,9
1900447	-2400	1 1/2"	79,4	18,3
1900449	-3200	2"	96,8	22,2

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

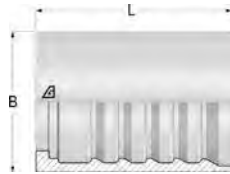
// FERRULES .....	99	// NPTF INSERTS .....	106
// BSP INSERTS .....	100	// ORFS INSERTS .....	107
// DIN METRIC INSERTS .....	102	// SAE FLANGES .....	109
// JIC 37° INSERTS .....	104	// SUPERCAT FLANGES .....	112

Dimensions shown may be changed without prior notice

## // FERRULES

## // H1300SK4

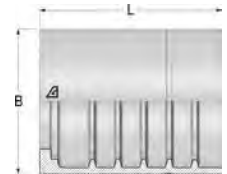
## Multispiral Ferrule



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

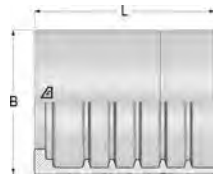
## Multispiral Ferrule



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

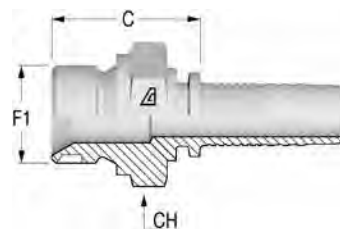


Item Code	ID			B mm	L mm
	Dash	mm	in		
1236604	20	31,0	1 1/4"	65,0	99,0
1236605	24	38,0	1 1/2"	73,0	89,5
1236606	32	51,0	2"	88,9	125,0

## // BSP INSERTS

### // H1310510

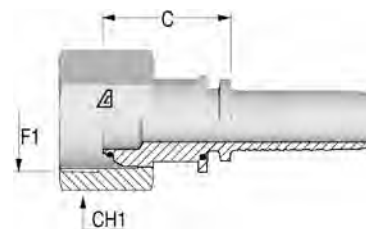
**BSP Male 60° Flare  
AGR**



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**



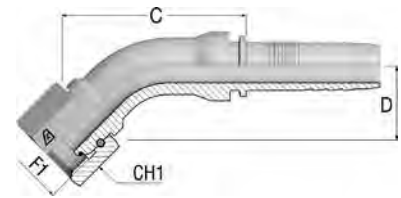
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm
1226178	-1212	TN	12	19,0	3/4"	12	3/4-14	25,2	32,0
1241616	-1216	TN	12	19,0	3/4"	16	1-11	27,7	38,0
1226179	-1616	TN	16	25,0	1"	16	1-11	31,0	38,0
1241617	-1620	TN	16	25,0	1"	20	1 1/4-11	32,0	50,0
1238241	-2020	TN	20	32,0	1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



Dimensions shown may be changed without prior notice

**// H1320842**

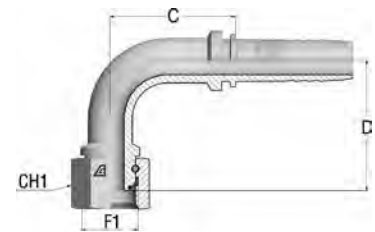
**45° BSPP Female 60° Cone with O-Ring  
DKOR 45  
Solid one piece**



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**

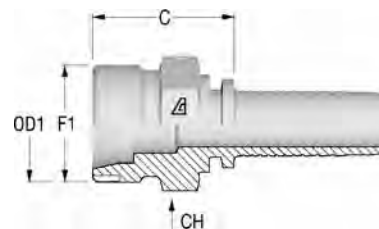


Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
1226180	-1212	TN	12	19,0	3/4"	12	3/4-14	59,1	61,0	32,0	
1226181	-1616	TN	16	25,0	1"	16	1-11	73,7	71,0	38,0	
1241625	-2020	TN	20	32,0	1 1/4"	20	1 1/4-11	84,3	83,0	50,0	
1238242	-2424	TN	24	38,0	1 1/2"	24	1 1/2-11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

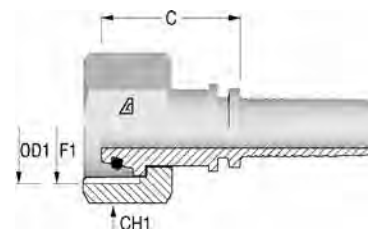
**Metric Male 24° Seat - Heavy**  
**DIN 3853 - CES**



Item Code	Tail/Head	Nut Type	ID			F1	OD1	C	CH
	Dash/mm		Dash	mm	in		mm	mm	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**

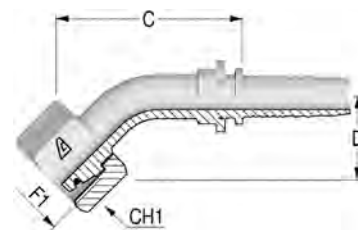


Item Code	Tail/Head	Nut Type	ID			F1	OD1	C	CH1
	Dash/mm		Dash	mm	in		mm	mm	mm
1226182	-1230	TN	12	19,0	3/4"	M30X2	20	36,8	36,0
1226184	-1642	SN	16	25,0	1"	M42X2	30	45,2	50,0
1242139	-2042	TN	20	32,0	1 1/4"	M42X2	30	51,0	50,0
1226185	-2052	SN	20	32,0	1 1/4"	M52X2	38	51,1	60,0
1238244	-2452	TN	24	38,0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

Dimensions shown may be changed without prior notice

**// H1321643**

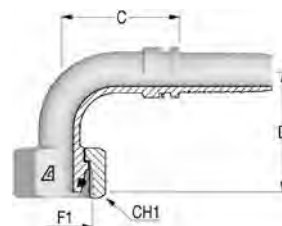
**45° Metric Female 24° Cone with O-Ring - Heavy  
DIN 3865 - DKOS 45  
Solid one piece**



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**

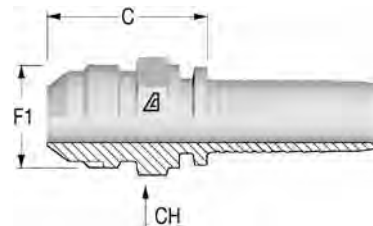


Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1241633	-1230	TN	12	19,0	3/4"	M30X2	20	65,5	67,5	36,0
1237409	-1236	SN	12	19,0	3/4"	M36X2	25	51,0	59,5	46,0
1240225	-1636	TN	16	25,0	1"	M36X2	25	75,6	82,0	46,0
1238248	-2052	SN	20	32,0	1 1/4"	M52X2	38	97,0	92,0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

## // JIC 37° INSERTS

### // H1312510

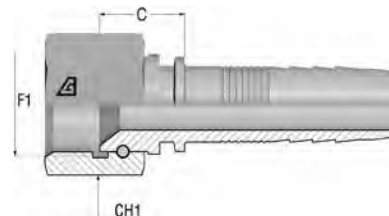
**JIC Male 37° Cone  
AGJ**



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**

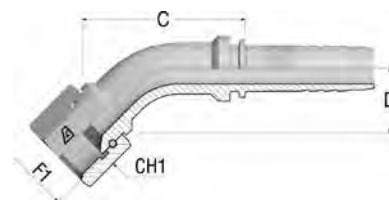


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size	F1	mm	mm
1241618	-1212	TN	12	19,0	3/4"	12	1 1/16-12	22,2	32,0
1241619	-1216	TN	12	19,0	3/4"	16	1 5/16-12	25,0	38,0
1241620	-1616	TN	16	25,0	1"	16	1 5/16-12	27,0	38,0
1241621	-1620	TN	16	25,0	1"	20	1 5/8-12	29,0	50,0
1241622	-2020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

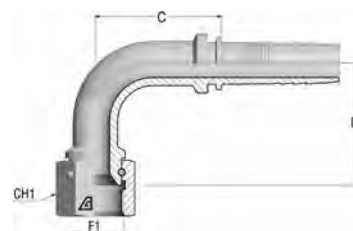
**45° JIC Female 37° Seat - Medium Drop  
DKJ 45M  
Solid one piece**



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**

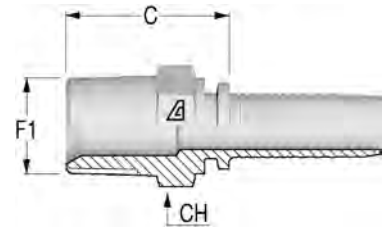


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1226209	-1212	TN	12	19,0	3/4"	12	1 1/16-12	59,1	57,0	32,0
1226211	-1216	TN	12	19,0	3/4"	16	1 5/16-12	58,1	63,5	38,0
1226212	-1616	TN	16	25,0	1"	16	1 5/16-12	75,7	67,0	38,0
1238254	-2020	TN	20	32,0	1 1/4"	20	1 5/8-12	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**



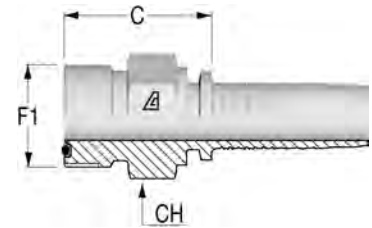
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size		mm	mm
1226172	-1212	NA	12	19,0	3/4"	12	3/4-14	35,5	27,0
1226173	-1616	NA	16	25,0	1"	16	1-11 1/2	46,5	36,0

Dimensions shown may be changed without prior notice

## // ORFS INSERTS

### // H1312410

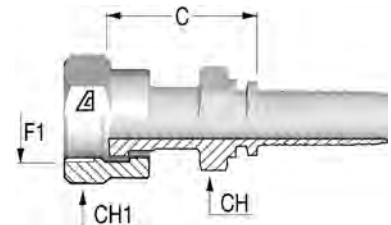
ORFS Male



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

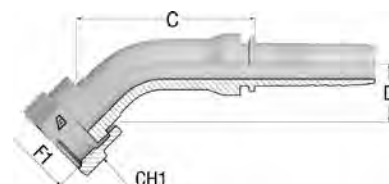
ORFS Female with Stem Hexagon



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size		mm	mm	mm
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**

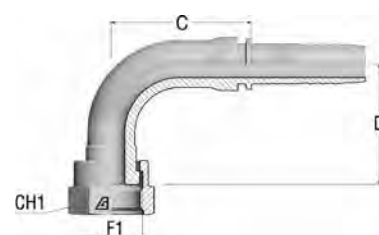
**45° ORFS Female - Medium Drop**  
**DK ORFS 45M**  
**Solid one piece**



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

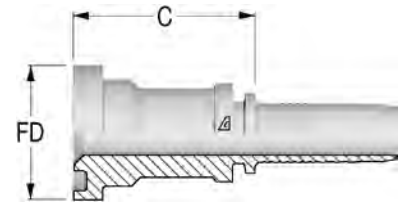


Dimensions shown may be changed without prior notice

## // SAE FLANGES

### // H1343310

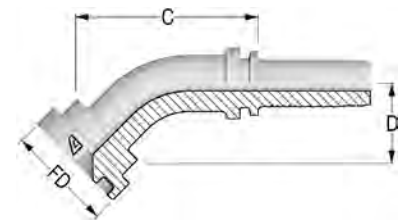
Flange SAE 3000 PSI J518 Code 61 - SFL



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

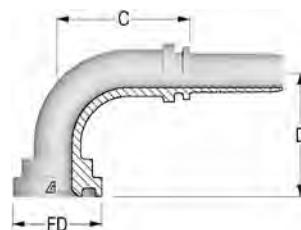
45° Flange SAE 3000 PSI J518 Code 61 - SFL 45  
Solid one piece



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**

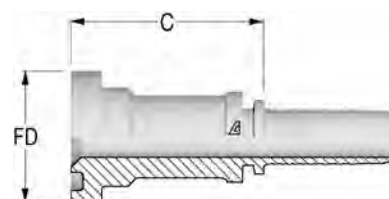
**90° Flange SAE 3000 PSI J518 Code 61 - SFL 90**  
**Solid one piece**



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**

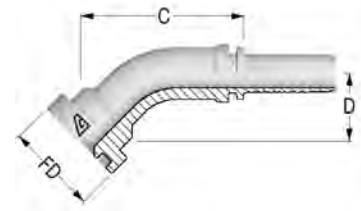


Item Code	Tail/Head	ID		Flange		Flange Size	C	FD	WP
	Dash	Dash	mm	in	Dash Size				
1226247	-1212	12	19,0	3/4"	12	3/4	53,5	41,3	6000
1226248	-1216	12	19,0	3/4"	16	1	56,5	47,6	6000
1226623	-1612	16	25,0	1"	12	3/4	58,5	41,3	6000
1226250	-1616	16	25,0	1"	16	1	58,5	47,6	6000
1226624	-1620	16	25,0	1"	20	1 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**

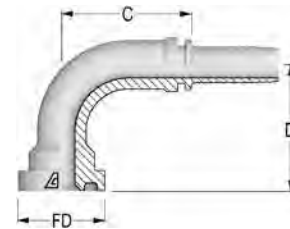
**45° Flange SAE 6000 PSI J518 Code 62 - SFS 45**  
**Solid one piece**



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**

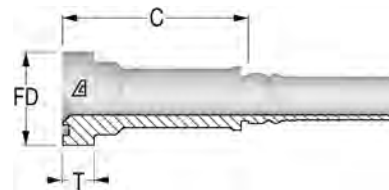


Item Code	Tail/Head		ID		Flange		FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size	Flange Size				
1226270	-1212	12	19,0	3/4"	12	3/4	41,3	64,7	64,0	6000
1226271	-1216	12	19,0	3/4"	16	1	47,6	64,7	66,0	6000
1226633	-1612	16	25,0	1"	12	3/4	41,3	74,7	61,0	6000
1226273	-1616	16	25,0	1"	16	1	47,6	74,8	74,0	6000
1226274	-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

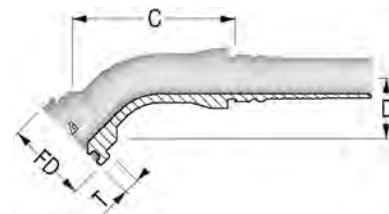
#### Flange SUPERCAT



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

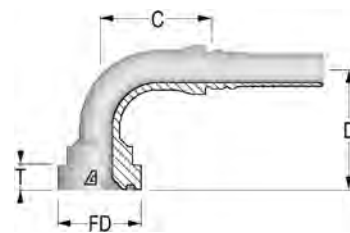
#### 45° Flange SUPERCAT Solid one piece



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		Flange Size	FD	T	C	D Drop
	Dash	Dash	mm	in	Dash 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

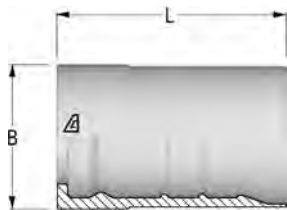
// FERRULES .....	115	// NPTF INSERTS .....	123
// HOSE MENDER .....	116	// ORFS INSERTS .....	124
// BSP INSERTS .....	117	// SAE FLANGES .....	126
// DIN METRIC INSERTS .....	119	// SUPERCAT FLANGES .....	130
// JIC 37° INSERTS .....	121	// HAMMER UNION .....	131

Dimensions shown may be changed without prior notice

## // FERRULES

## // H1400200

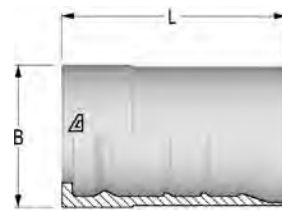
## Interlock Ferrule



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

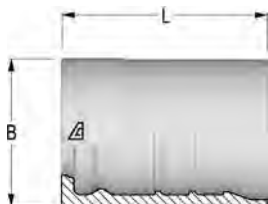
## Interlock Ferrule



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

## // H1400301

## Interlock Ferrule

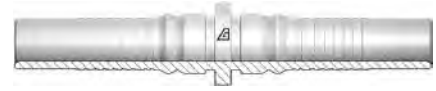


Item Code	ID			B	L
	Dash	mm	in		
1202585	10	16,0	5/8"	35,5	57,5
1202730	12	19,0	3/4"	43,5	60,0
1202222	16	25,0	1"	52,0	75,0
1201761	20	31,0	1 1/4"	62,0	88,0
1201805	24	38,0	1 1/2"	69,5	94,0
1202006	32	51,0	2"	88,0	99,0

## // 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"

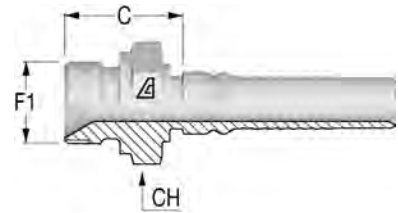


Dimensions shown may be changed without prior notice

## // BSP INSERTS

### // H1410510

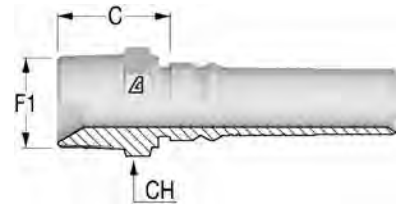
**BSPP Male 60° Flare  
AGR**



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

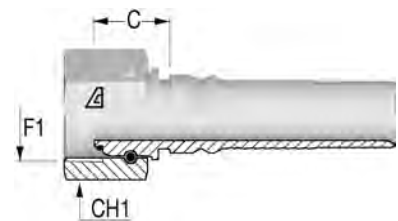
**BSPT Male  
AGR K**



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

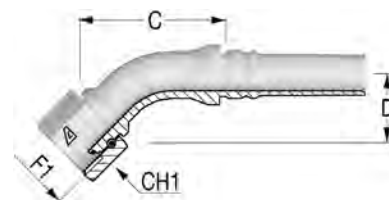
**BSPP Female 60° Cone with O-Ring  
DKOR**



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**

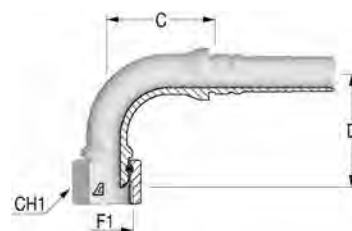
**45° BSPP Female 60° Cone with O-Ring  
DKOR 45  
Solid one piece**



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**



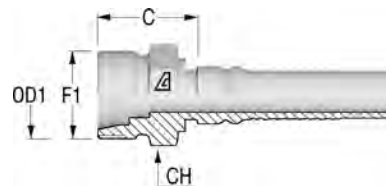
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1200217	-1212	TN	12	19,0	3/4"	12	3/4-14	58,0	61,0	32,0
1202445	-1616	TN	16	25,0	1"	16	1-11	75,0	71,0	38,0
1202443	-2020	TN	20	32,0	1 1/4"	20	1 1/4-11	79,2	83,0	50,0
1202441	-2424	TN	24	38,0	1 1/2"	24	1 1/2-11	93,5	96,0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

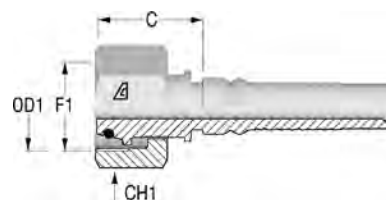
**Metric Male 24° Seat - Heavy  
DIN 3853 - CES**



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

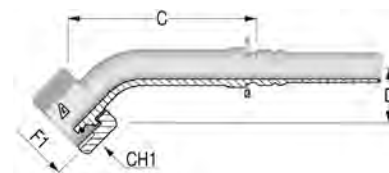
**Metric Female 24° Cone with O-Ring - Heavy  
DIN 3865 - DKOS**



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**

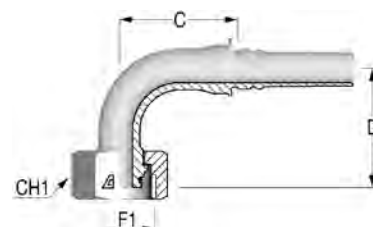
**45° Metric Female 24° Cone with O-Ring - Heavy  
DIN 3865 - DKOS 45  
Solid one piece**



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**



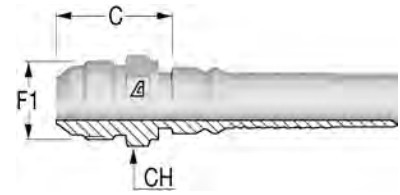
Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1203125	-0824	SN	08	13,0	1/2"	M24X1.5	16	52,0	50,0	30,0
1202072	-1030	SN	10	16,0	5/8"	M30X2	20	48,0	55,0	36,0
1202582	-1230	TN	12	19,0	3/4"	M30X2	20	61,0	67,5	36,0
1201723	-1236	SN	12	19,0	3/4"	M36X2	25	61,7	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

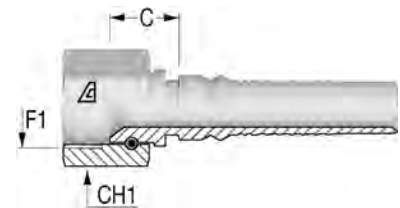
**JIC Male 37° Cone  
AGJ**



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

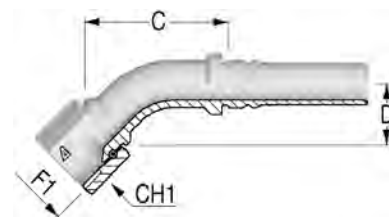
**JIC Female 37° Seat  
DKJ**



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**

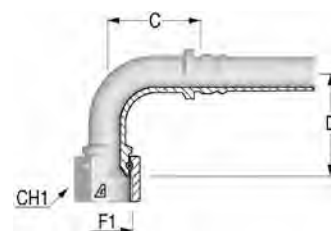
**45° JIC Female 37° Seat  
DKJ 45  
Solid one piece**



Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
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**

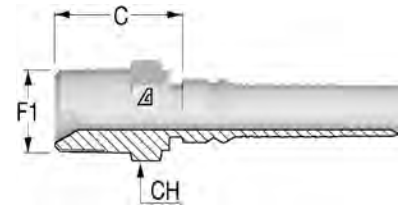


Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
1201488	-1212	TN	12	19,0	3/4"	12	1 1/16-12	45,0	57,0	32,0	
1202103	-1216	TN	12	19,0	3/4"	16	1 5/16-12	58,0	60,5	38,0	
1201489	-1616	TN	16	25,0	1"	16	1 5/16-12	71,0	67,0	38,0	
1201490	-2020	TN	20	32,0	1 1/4"	20	1 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

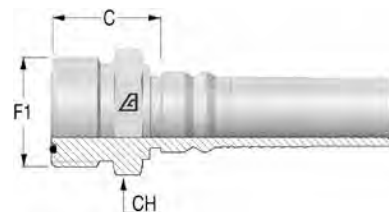
## // H1412810

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

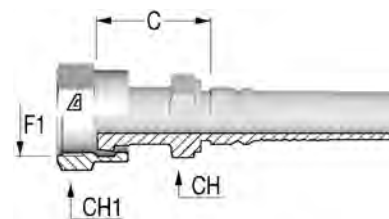
## // ORFS INSERTS

### // 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



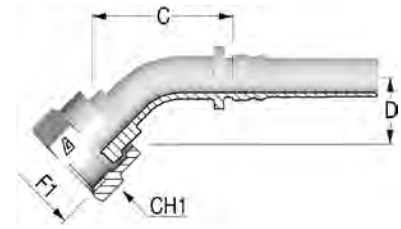
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size				
1202864	-1012	CR	10	16,0	5/8"	12	1 3/16-12	40,0	30,0	36,0
1202099	-1212	CR	12	19,0	3/4"	12	1 3/16-12	40,0	30,0	36,0
1202106	-1216	CR	12	19,0	3/4"	16	1 7/16-12	43,0	36,0	41,0
1216952	-1612	CR	16	25,0	1"	12	1 3/16-12	42,0	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**

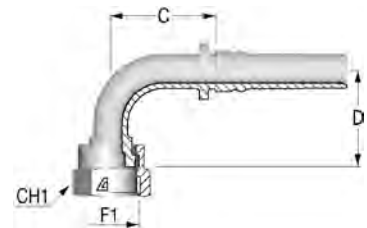
**45° ORFS Female  
DK ORFS 45  
Solid one piece**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
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**

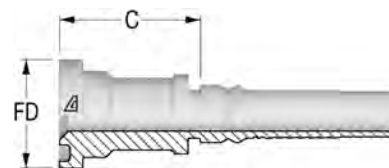


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1203123	-1012	CR	10	16,0	5/8"	12	1 3/16-12	48,1	58,0	36,0
1202117	-1212	CR	12	19,0	3/4"	12	1 3/16-12	64,2	58,0	36,0
1202116	-1216	CR	12	19,0	3/4"	16	1 7/16-12	66,2	58,0	41,0
1202115	-1616	CR	16	25,0	1"	16	1 7/16-12	75,2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

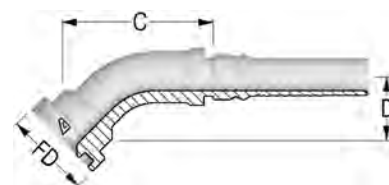
Flange SAE 3000 PSI J518 Code 61 - SFL



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

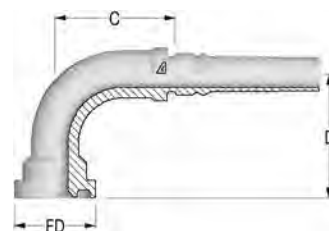
45° Flange SAE 3000 PSI J518 Code 61 - SFL 45  
Solid one piece



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

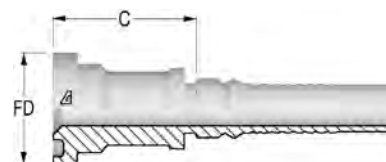


Item Code	Tail/Head	ID		Flange		Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size		mm	mm	mm	
1200231	-1616	16	25,0	1"	16	1	44,5	72,2	64,0	5000
1200232	-1620	16	25,0	1"	20	1 1/4	50,8	70,2	69,0	4000
1200255	-2020	20	32,0	1 1/4"	20	1 1/4	50,8	86,2	81,0	4000
1200254	-2024	20	32,0	1 1/4"	24	1 1/2	60,3	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**

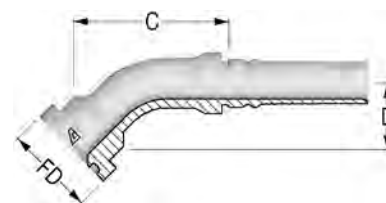
**Flange SAE 6000 PSI J518 Code 62 - SFS**



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**

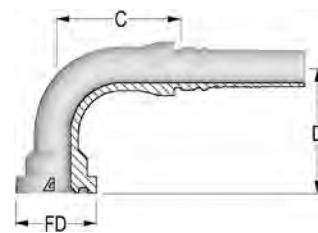
**45° Flange SAE 6000 PSI J518 Code 62 - SFS 45  
Solid one piece**



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**

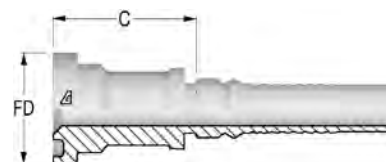


Item Code	Tail/Head	ID		Flange		Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size					
1200197	-1212	12	19,0	3/4"	12	3/4	41,3	61,2	64,0	6000
1200196	-1216	12	19,0	3/4"	16	1	47,6	61,2	66,0	6000
1202811	-1612	16	25,0	1"	12	3/4	41,3	70,2	61,0	6000
1200222	-1616	16	25,0	1"	16	1	47,6	70,4	74,0	6000
1200223	-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**

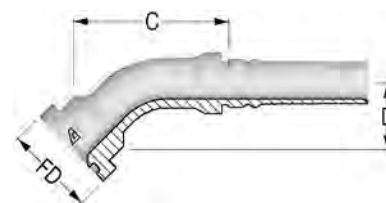
**Flange SAE 6000 PSI J518 Code 62 - SFS  
Special version**



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**

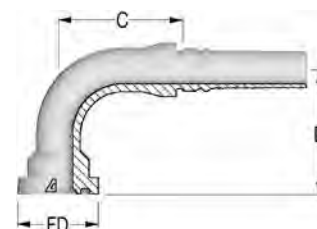
**45° Flange SAE 6000 PSI J518 Code 62 - SFS 45  
Solid one piece  
Special version**



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**

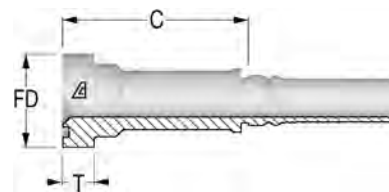


Item Code	Tail/Head	ID			Flange	Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size		mm	mm	mm	psi
1223168	-3224	32	51,0	2"	24	1 1/2	63,5	134,0	112,0	6000
1228051	-3232	32	51,0	2"	32	2	79,4	132,0	145,0	6000

## // SUPERCAT FLANGES

### // H1443910

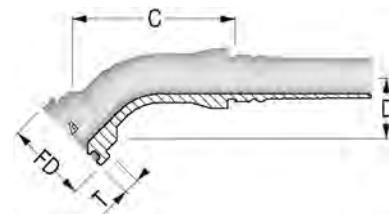
#### Flange SUPERCAT



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

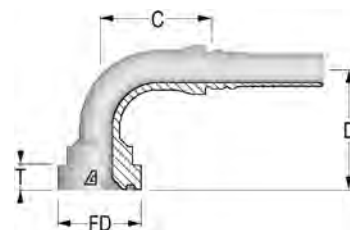
#### 45° Flange SUPERCAT Solid one piece



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

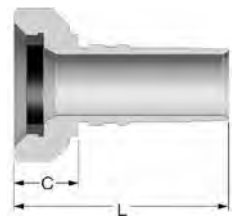


Item Code	Tail/Head	ID		Flange		Flange Size	FD	T	C	D Drop
	Dash	Dash	mm	in	Dash Size					
1202399	-1212	12	19,0	3/4"	12	3/4	41,3	14,3	63,7	67,0
1202400	-1216	12	19,0	3/4"	16	1	47,6	14,3	65,2	70,0
1202401	-1616	16	25,0	1"	16	1	47,6	14,3	80,4	79,0
1202402	-1620	16	25,0	1"	20	1 1/4	54,0	14,3	75,4	82,5
1202403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

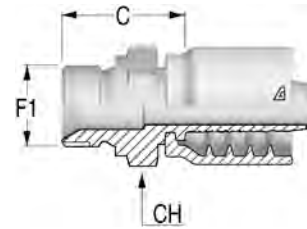


## // ALFACRIMP // C12A

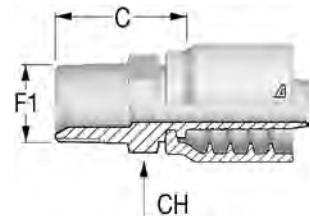
// BSP INSERTS.....	133	// NPSM INSERTS.....	151
// DIN METRIC INSERTS.....	137	// ORFS INSERTS.....	152
// SAE INSERTS.....	142	// JIS INSERTS.....	155
// JIC 37° INSERTS.....	144	// KOMATSU INSERTS.....	156
// NPTF INSERTS.....	149	// SAE FLANGES.....	157



Dimensions shown may be changed without prior notice

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

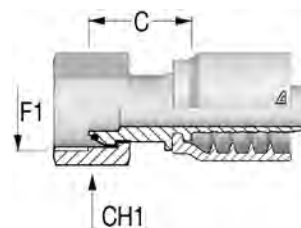
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1232544	-0402	NA	04	6,0	1/4"	02	1/8-28	20,8	14,0
1232545	-0404	NA	04	6,0	1/4"	04	1/4-19	26,3	19,0
1232546	-0406	NA	04	6,0	1/4"	06	3/8-19	27,8	22,0
1232547	-0506	NA	05	8,0	5/16"	06	3/8-19	27,8	22,0
1232548	-0606	NA	06	10,0	3/8"	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**

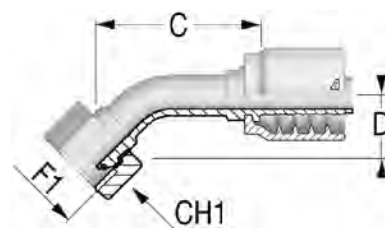
**BSPF Female 60° Cone with O-Ring  
DKOR**



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

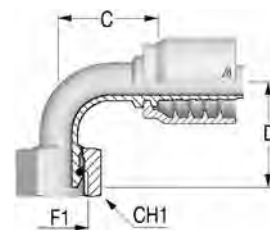
**// C12A20843**

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

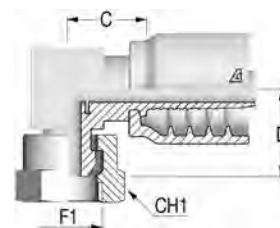


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1232693	-0404	SN	04	6,0	1/4"	04	1/4-19	45,5	15,0	19,0
1232694	-0406	SN	04	6,0	1/4"	06	3/8-19	41,5	17,5	22,0
1232695	-0506	SN	05	8,0	5/16"	06	3/8-19	45,1	18,5	22,0
1232696	-0606	SN	06	10,0	3/8"	06	3/8-19	49,9	20,5	22,0
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

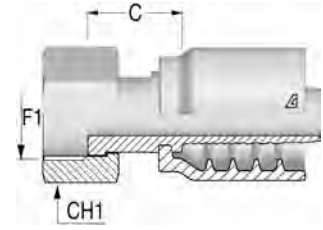
**// C12A20893****90° BSPP Female 60° Cone with O-Ring****DKOR 90****Solid one piece**

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**

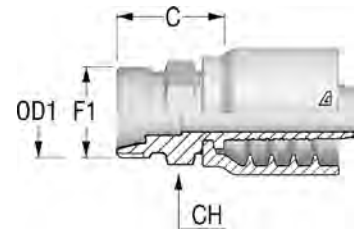
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH1
	Dash		Dash	mm	in	Dash Size			
1232672	-0606	SN	06	10,0	3/8"	06	3/8-19	20,3	22,0
1232673	-0608	SN	06	10,0	3/8"	08	1/2-14	20,8	27,0
1232674	-0808	SN	08	13,0	1/2"	08	1/2-14	21,6	27,0
1232671	-1212	CR	12	19,0	3/4"	12	3/4-14	18,1	32,0

Dimensions shown may be changed without prior notice

## // DIN METRIC INSERTS

## // C12A11110

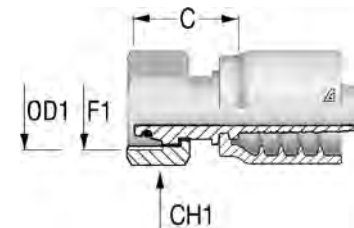
**Metric Male 24° Seat - Light**  
**DIN 3853 - CEL**



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

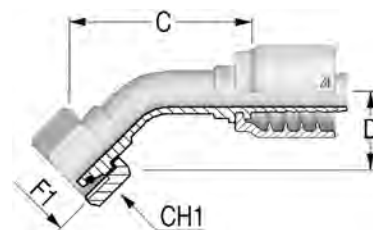
**Metric Female 24° Cone with O-Ring - Light**  
**DIN 3865 - DKOL**



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**

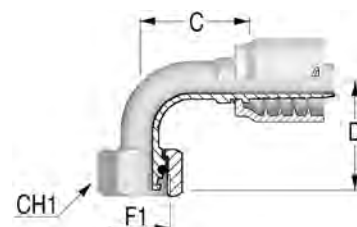
**45° Metric Female 24° Cone with O-Ring - Light**  
**DIN 3865 - DKOL 45**  
**Solid one piece**



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**

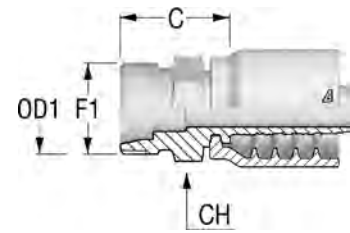
**90° Metric Female 24° Cone with O-Ring - Light**  
**DIN 3865 - DKOL 90**  
**Solid one piece**



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

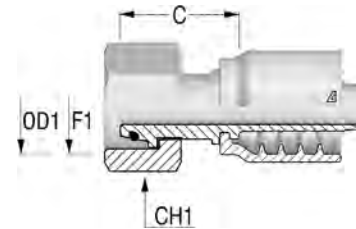
Dimensions shown may be changed without prior notice

## // 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

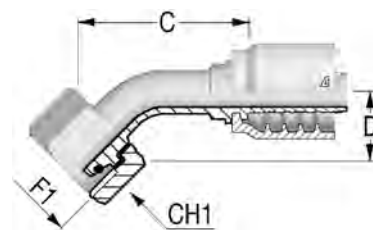
## // C12A21613

**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**

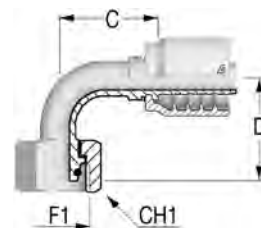
**45° Metric Female 24° Cone with O-Ring - Heavy  
DIN 3865 - DKOS 45  
Solid one piece**



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**



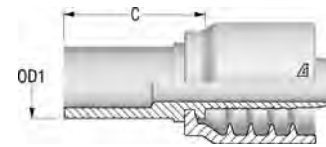
Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1232772	-0416	SN	04	6,0	1/4"	M16X1.5	8	27,3	33,0	19,0
1232773	-0418	SN	04	6,0	1/4"	M18X1.5	10	26,8	34,0	22,0
1232774	-0520	SN	05	8,0	5/16"	M20X1.5	12	33,2	39,0	24,0
1232775	-0618	TN	06	10,0	3/8"	M18X1.5	10	35,0	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

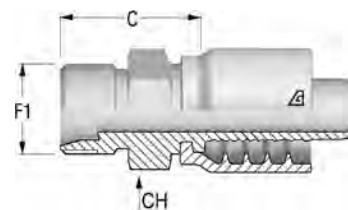


Item Code	Tail/Head	Dash	ID		OD1	C
	Dash/mm		mm	in		
1233002	-0408	04	6,0	1/4"	8	30,2
1233003	-0610	06	10,0	3/8"	10	30,3
1233004	-0815	08	13,0	1/2"	15	32,1
1233005	-0816	08	13,0	1/2"	16	37,1

## // SAE INSERTS

## // C12A13B10

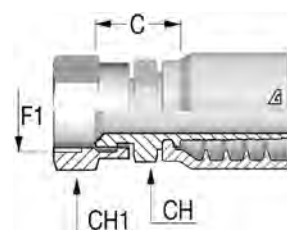
## SAE Male Flareless



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

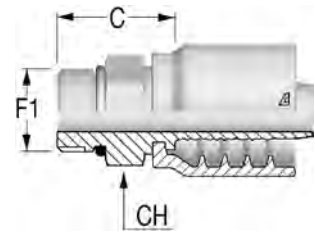
## SAE Female Swivel 45° Seat



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

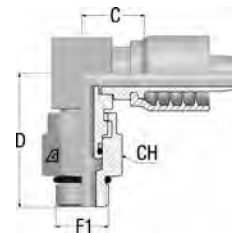
Dimensions shown may be changed without prior notice

## // 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

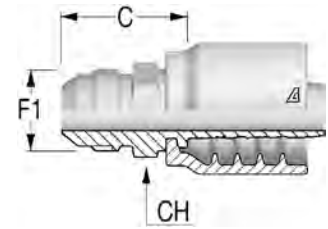
## // C12A13081

**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

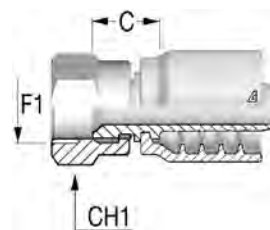
## // C12A12510

JIC Male 37° Cone  
AGJ

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

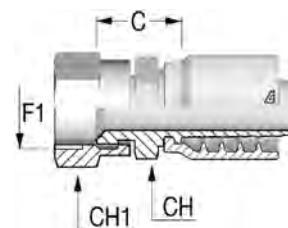
## // C12A22511

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**

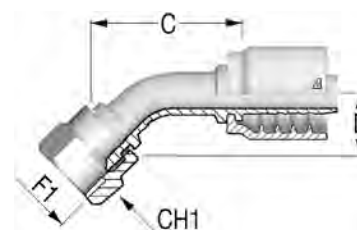
**JIC Female 37° Seat with Stem Hexagon  
DKJ**



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	

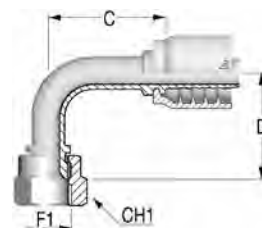
**// C12A22541-M**

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

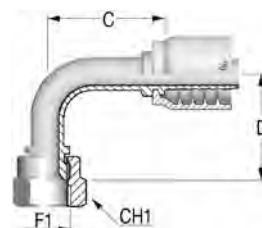


Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
1232866	-0404	CR	04	6,0	1/4"	04	7/16-20	36,6	10,0	16,0	
1232867	-0405	CR	04	6,0	1/4"	05	1/2-20	37,2	12,0	17,0	
1232868	-0406	CR	04	6,0	1/4"	06	9/16-18	39,4	11,0	19,0	
1232869	-0506	CR	05	8,0	5/16"	06	9/16-18	42,8	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**

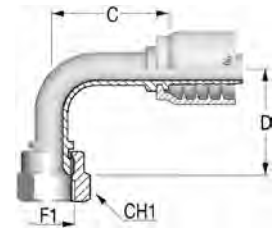
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1232883	-0404	CR	04	6,0	1/4"	04	7/16-20	27,0	21,0	16,0
1232885	-0405	CR	04	6,0	1/4"	05	1/2-20	26,5	23,5	17,0
1232887	-0406	CR	04	6,0	1/4"	06	9/16-18	31,0	23,0	19,0
1232892	-0606	CR	06	10,0	3/8"	06	9/16-18	42,3	23,0	19,0
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



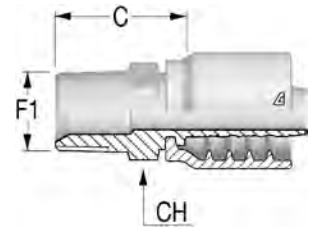
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1232881	-0404	CR	04	6,0	1/4"	04	7/16-20	30,8	46,0	16,0
1232890	-0606	CR	06	10,0	3/8"	06	9/16-18	43,3	54,0	19,0
1232893	-0608	CR	06	10,0	3/8"	08	3/4-16	46,8	64,0	25,0
1232896	-0808	CR	08	13,0	1/2"	08	3/4-16	49,9	64,0	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

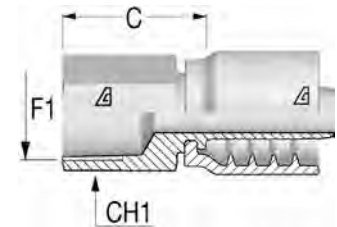
## // C12A12810

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

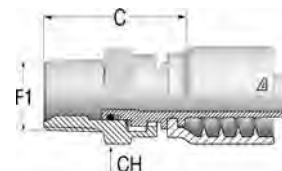
NPTF Female Solid



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**

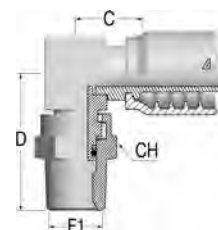
**NPTF Male Swivel 60° Seat**



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

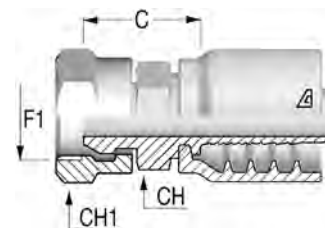
**// C12A12881**

**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		mm	mm	mm
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

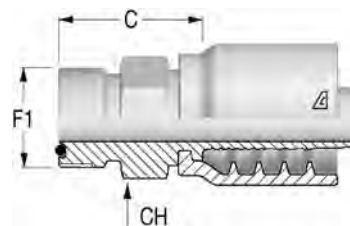
Dimensions shown may be changed without prior notice

**// 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

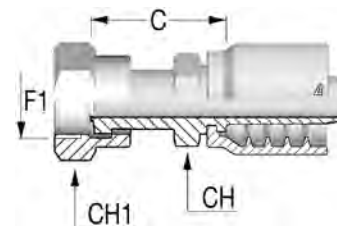
# // ORFS INSERTS

## // 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

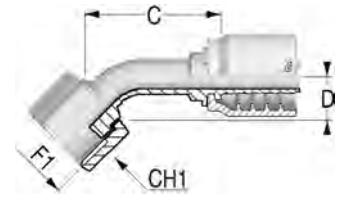


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size				
1232783	-0404	CR	04	6,0	1/4"	04	9/16-18	27,3	14,0	17,0
1232784	-0406	CR	04	6,0	1/4"	06	11/16-16	30,3	17,0	22,0
1232785	-0408	CR	04	6,0	1/4"	08	13/16-16	35,3	22,0	24,0
1232786	-0506	CR	05	8,0	5/16"	06	11/16-16	30,3	17,0	22,0
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**

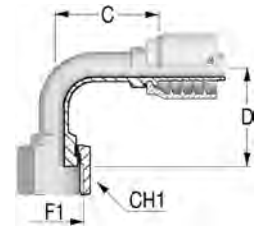
**45° ORFS Female - Medium Drop**  
**DK ORFS 45M**  
**Solid one piece**



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**

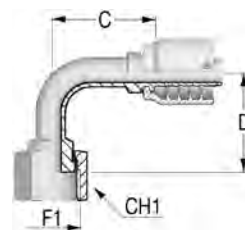
**90° ORFS Female - Short Drop**  
**DK ORFS 90S**  
**Solid one piece**



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**

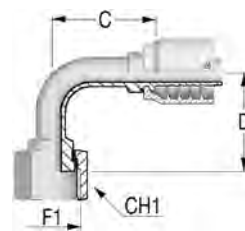
**90° ORFS Female - Medium Drop**  
**DK ORFS 90M**  
**Solid one piece**



Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
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**



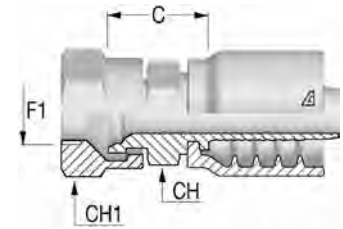
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1232817	-0404	CR	04	6,0	1/4"	04	9/16-18	32,8	46,0	24,0
1232820	-0406	SN	04	6,0	1/4"	06	11/16-16	34,8	54,0	30,0
1232824	-0606	SN	06	10,0	3/8"	06	11/16-16	41,8	54,0	30,0
1232827	-0608	SN	06	10,0	3/8"	08	13/16-16	46,8	64,0	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)

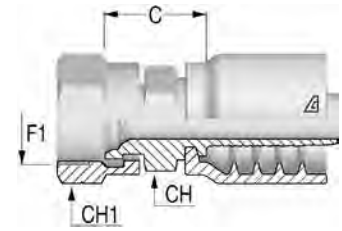


Item Code	Tail/Head Dash	Nut Type	ID			F1		C	CH	CH1
			Dash	mm	in	Dash Size	F1			
1232922	-0404	CR	04	6,0	1/4"	04	1/4-19	20,8	17,0	19,0
1232923	-0606	CR	06	10,0	3/8"	06	3/8-19	21,8	19,0	22,0
1232924	-0808	CR	08	13,0	1/2"	08	1/2-14	23,6	22,0	27,0
1232925	-1212	CR	12	19,0	3/4"	12	3/4-14	27,1	30,0	36,0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

## // KOMATSU INSERTS

## // C12A24011

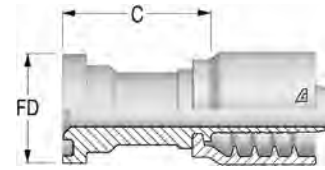
## Komatsu Female



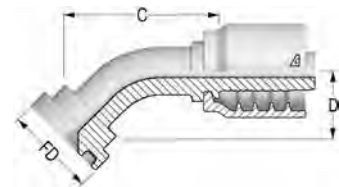
Item Code	Tail/Head Dash	Nut Type	ID			F1		F1	C	CH	CH1
			Dash	mm	in	Dash Size	mm				
1232927	-0414	CR	04	6,0	1/4"	14	M14X1.5	20,8	17,0	19,0	
1232928	-0618	CR	06	10,0	3/8"	18	M18X1.5	21,8	19,0	22,0	
1232929	-0822	CR	08	13,0	1/2"	22	M22X1.5	23,6	22,0	27,0	
1232930	-1024	CR	10	16,0	5/8"	24	M24X1.5	27,1	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	



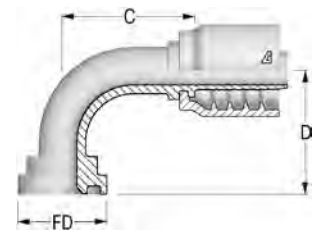
Dimensions shown may be changed without prior notice

**// 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**

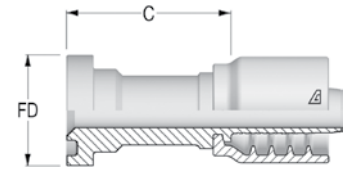
Item Code	Tail/Head	ID		Flange		Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size					
1232968	-0808	08	13,0	1/2"	08	1/2	30,2	52,9	22,0	5000
1232969	-0812	08	13,0	1/2"	12	3/4	38,1	60,3	26,0	5000
1232970	-1012	10	16,0	5/8"	12	3/4	38,1	65,0	26,0	5000
1232971	-1212	12	19,0	3/4"	12	3/4	38,1	73,7	32,0	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

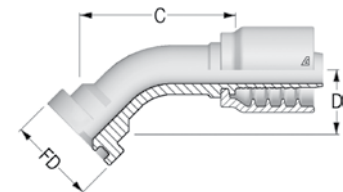
## // C12A43610

## Flange SAE 6000 PSI J518 Code 62 - SFS



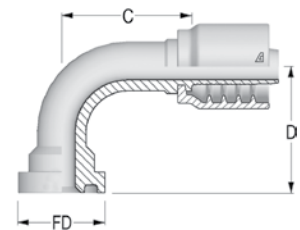
Item Code	Tail/Head	ID		Flange		Flange Size	C	FD	WP
	Dash	Dash	mm	in	Dash Size				
1232982	-0808	08	13,0	1/2"	08	1/2	47,0	31,8	6000
1232983	-0812	08	13,0	1/2"	12	3/4	52,0	41,3	6000
1232984	-1212	12	19,0	3/4"	12	3/4	52,5	41,3	6000
1232985	-1216	12	19,0	3/4"	16	1	55,5	47,6	6000
1232986	-1612	16	25,0	1"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



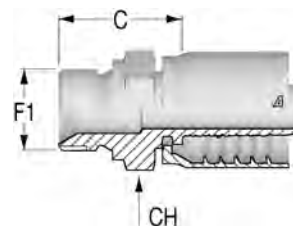
## // ALFACRIMP // C124

// 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

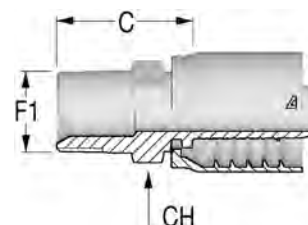
**BSPP Male 60° Flare  
AGR**



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

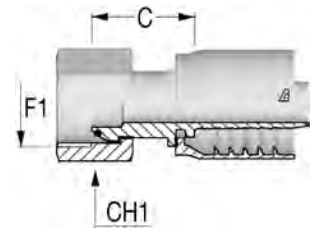
**BSPT Male  
AGR K**



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

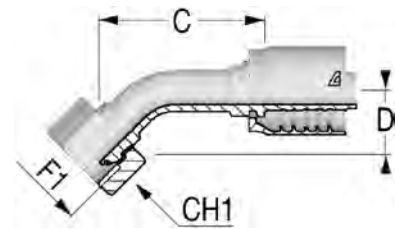
Dimensions shown may be changed without prior notice

## // 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

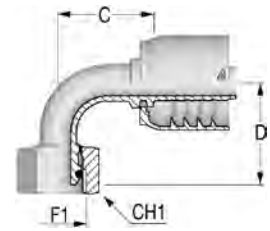
## // C12420843

**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

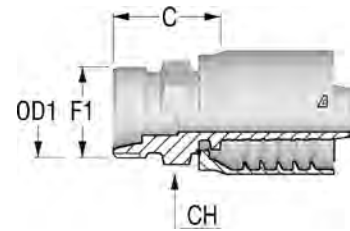


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1215696	-0606	SN	06	10,0	3/8"	06	3/8-19	34,8	42,0	22,0
1215697	-0608	SN	06	10,0	3/8"	08	1/2-14	34,3	35,5	27,0
1215698	-0808	SN	08	13,0	1/2"	08	1/2-14	35,8	41,0	27,0
1215699	-0810	SN	08	13,0	1/2"	10	5/8-14	41,6	43,5	27,0
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

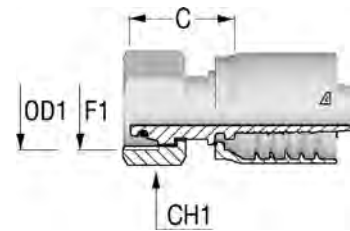
## // DIN METRIC INSERTS

## // 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

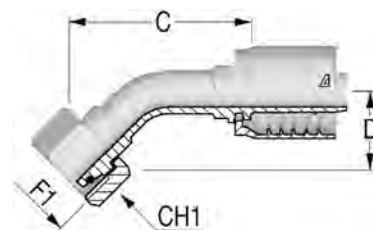
## // C12421513

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**

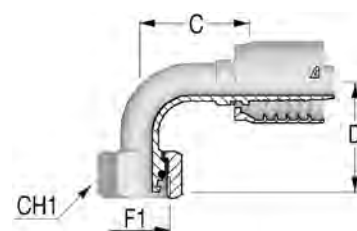
**45° Metric Female 24° Cone with O-Ring - Light**  
**DIN 3865 - DKOL 45**  
**Solid one piece**



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**

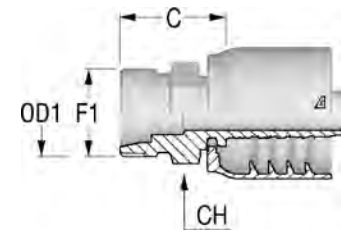


Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1215713	-0618	SN	06	10,0	3/8"	M18X1.5	12	32,8	39,0	22,0
1215714	-0822	SN	08	13,0	1/2"	M22X1.5	15	39,8	40,5	27,0
1215715	-1026	SN	10	16,0	5/8"	M26X1.5	18	51,4	48,0	32,0
1215716	-1230	SN	12	19,0	3/4"	M30X2	22	52,1	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



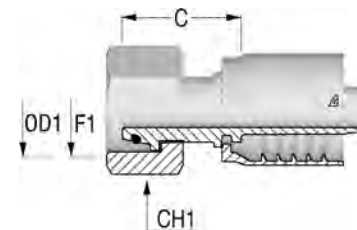
Dimensions shown may be changed without prior notice

## // 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

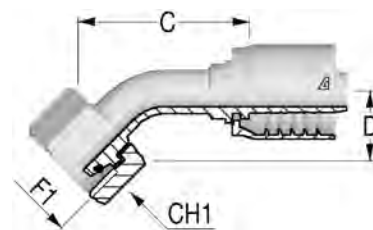
## // C12421613

**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**

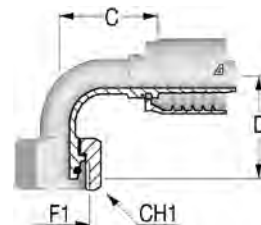
**45° Metric Female 24° Cone with O-Ring - Heavy**  
**DIN 3865 - DKOS 45**  
**Solid one piece**



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**

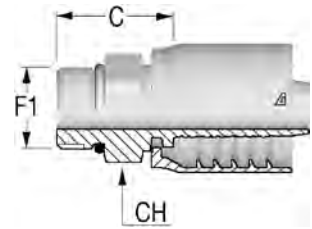


Item Code	Tail/Head Dash/mm	Nut Type	ID			F1	OD1 mm	C mm	D Drop mm	CH1 mm
			Dash	mm	in					
1215735	-0620	SN	06	10,0	3/8"	M20X1.5	12	34,3	38,5	24,0
1215736	-0622	SN	06	10,0	3/8"	M22X1.5	14	34,3	40,5	27,0
1215737	-0824	SN	08	13,0	1/2"	M24X1.5	16	39,8	41,5	30,0
1215738	-1030	SN	10	16,0	5/8"	M30X2	20	47,9	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

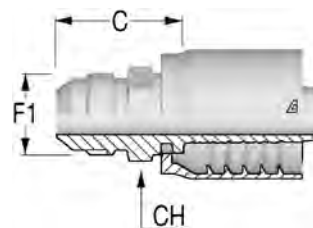
## // C12413010

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

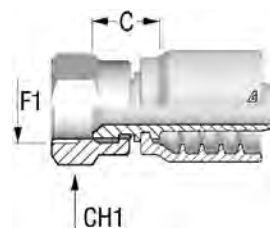
## // JIC 37° INSERTS

## // 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

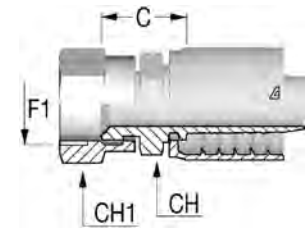
## // C12422511

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

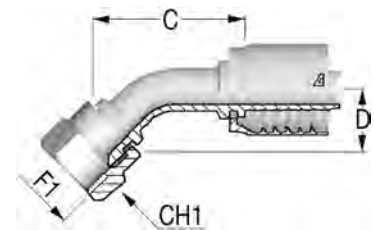
Dimensions shown may be changed without prior notice

## // 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**

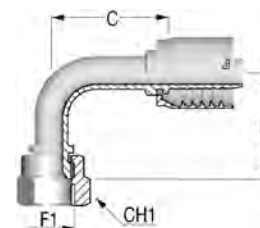
Item Code	Tail/Head	Nut Type	ID			F1		F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size	mm				
1215813	-0606	CR	06	10,0	3/8"	06	9/16-18	46,3	11,0	19,0	
1215814	-0608	CR	06	10,0	3/8"	08	3/4-16	47,2	15,0	25,0	
1215815	-0808	CR	08	13,0	1/2"	08	3/4-16	51,6	15,0	25,0	
1215816	-0810	CR	08	13,0	1/2"	10	7/8-14	50,7	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



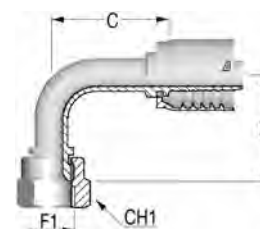
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1230396	-0812	CR	08	13,0	1/2"	12	1 1/16-12	37,3	46,0	32,0
1215850	-1212	CR	12	19,0	3/4"	12	1 1/16-12	58,2	46,0	32,0
1215854	-1216	CR	12	19,0	3/4"	16	1 5/16-12	53,6	53,0	38,0
1215857	-1616	CR	16	25,0	1"	16	1 5/16-12	74,0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

## // C12422591-M

90° JIC Female 37° Seat - Medium Drop

DKJ 90M

Solid one piece

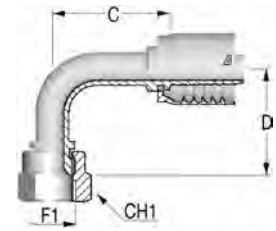


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1215830	-0606	CR	06	10,0	3/8"	06	9/16-18	31,3	35,0	19,0
1215833	-0608	CR	06	10,0	3/8"	08	3/4-16	39,5	41,0	25,0
1215836	-0808	CR	08	13,0	1/2"	08	3/4-16	37,2	40,0	25,0
1215839	-0810	CR	08	13,0	1/2"	10	7/8-14	43,3	47,0	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

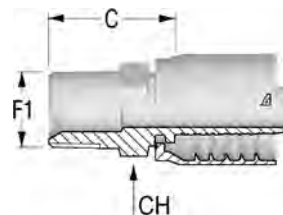
90° JIC Female 37° Seat - Long Drop  
 DKJ 90L  
 Solid one piece



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

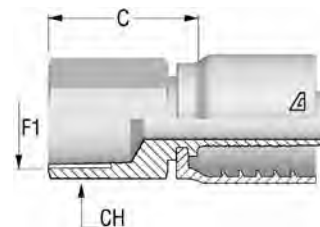
## // C12412810

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



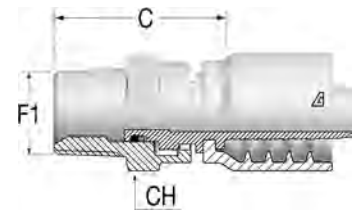
Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH
	Dash		Dash	mm	in	Dash Size			
1215862	-1212	NA	12	19,0	3/4"	12	3/4-14	38,1	32,0
1215863	-1616	NA	16	25,0	1"	16	1-11 1/2	44,9	38,0



Dimensions shown may be changed without prior notice

## // C12412811

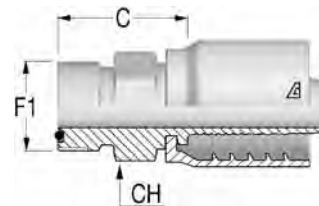
### NPTF Male Swivel 60° Seat



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

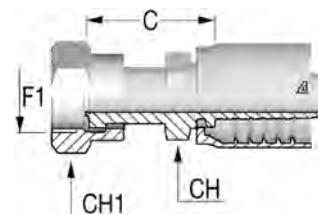
# // ORFS INSERTS

## // 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

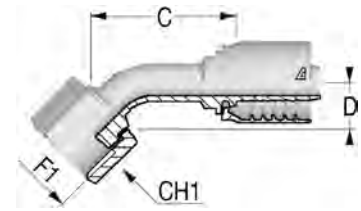


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	CH	CH1
	Dash		Dash	mm	in	Dash Size				
1215742	-0606	CR	06	10,0	3/8"	06	11/16-16	30,3	17,0	22,0
1215743	-0608	CR	06	10,0	3/8"	08	13/16-16	35,3	22,0	24,0
1215744	-0808	CR	08	13,0	1/2"	08	13/16-16	36,1	22,0	24,0
1215745	-0810	CR	08	13,0	1/2"	10	1-14	39,6	24,0	30,0
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**

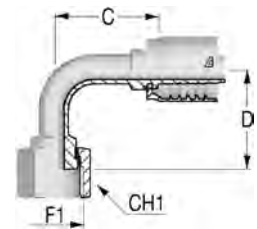
**45° ORFS Female - Medium Drop**  
**DK ORFS 45M**  
**Solid one piece**



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**

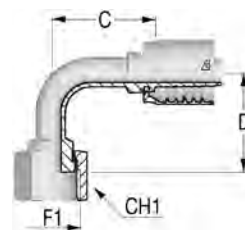
**90° ORFS Female - Short Drop**  
**DK ORFS 90S**  
**Solid one piece**



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**

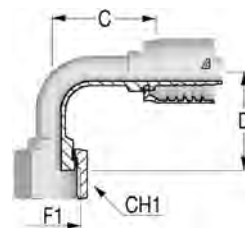
**90° ORFS Female - Medium Drop**  
**DK ORFS 90M**  
**Solid one piece**



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

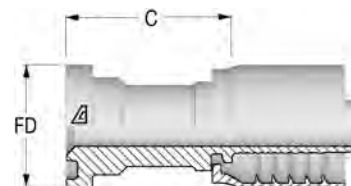
**// C12422493-L**

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

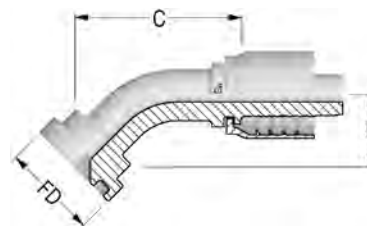


Item Code	Tail/Head	Nut Type	ID			F1	F1	C	D Drop	CH1
	Dash		Dash	mm	in	Dash Size				
1215775	-0606	SN	06	10,0	3/8"	06	11/16-16	41,8	54,0	22,0
1215770	-0808	CR	08	13,0	1/2"	08	13/16-16	38,3	64,0	24,0
1215779	-0810	SN	08	13,0	1/2"	10	1-14	46,3	70,0	30,0
1233045	-1010	SN	10	16,0	5/8"	10	1-14	55,4	70,0	30,0
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**

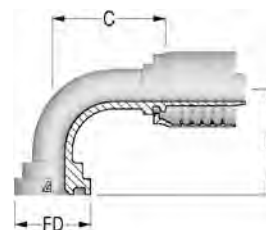
Item Code	Tail/Head	ID		Flange		C	FD	WP	
	Dash	Dash	mm	in	Dash Size				Flange Size
1215898	-0808	08	13,0	1/2"	08	1/2	41,0	30,2	5000
1215899	-0812	08	13,0	1/2"	12	3/4	42,0	38,1	5000
1215901	-1212	12	19,0	3/4"	12	3/4	42,5	38,1	5000
1215902	-1216	12	19,0	3/4"	16	1	50,5	44,5	5000
1215903	-1616	16	25,0	1"	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**

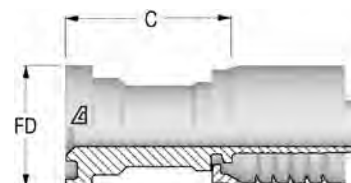
**90° Flange SAE 3000 PSI J518 Code 61 - SFL 90**  
**Solid one piece**



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

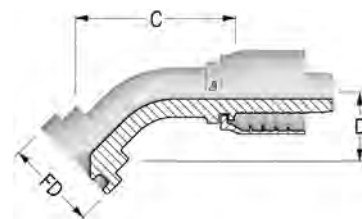
**// C12443610**

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

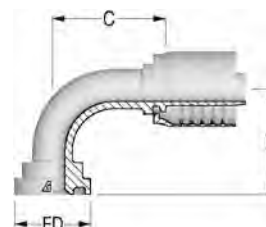


Item Code	Tail/Head	ID		Flange		Flange Size	C	FD	WP
	Dash	Dash	mm	in	Dash Size				
1215977	-0808	08	13,0	1/2"	08	1/2	47,0	31,8	6000
1215978	-0812	08	13,0	1/2"	12	3/4	52,0	41,3	6000
1215979	-1212	12	19,0	3/4"	12	3/4	52,5	41,3	6000
1215980	-1216	12	19,0	3/4"	16	1	55,5	47,6	6000
1215981	-1612	16	25,0	1"	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

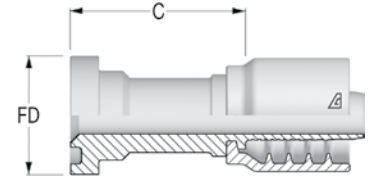
Dimensions shown may be changed without prior notice

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

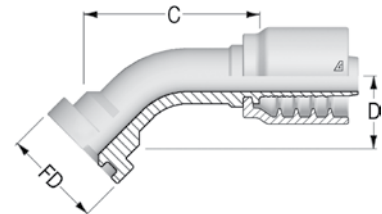
Item Code	Tail/Head		ID		Flange		FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size	Flange Size				
1215999	-0808	08	13,0	1/2"	08	1/2	31,8	56,5	23,0	6000
1216000	-0812	08	13,0	1/2"	12	3/4	41,3	79,9	30,5	6000
1216001	-1212	12	19,0	3/4"	12	3/4	41,3	84,1	31,0	6000
1216002	-1216	12	19,0	3/4"	16	1	47,6	80,0	33,5	6000
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**

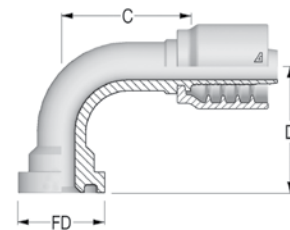
Item Code	Tail/Head		ID		Flange		FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size	Flange Size				
1216015	-0808	08	13,0	1/2"	08	1/2	31,8	47,8	46,0	6000
1216016	-0812	08	13,0	1/2"	12	3/4	41,3	47,8	54,0	6000
1216017	-1012	10	16,0	5/8"	12	3/4	41,3	49,9	55,0	6000
1216018	-1212	12	19,0	3/4"	12	3/4	41,3	63,2	61,0	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		mm	mm	psi
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		Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size		mm	mm	mm	psi
1214132	-4848	48	76,0	3"	48	3	101,6	140,0	54,0	2000
1214133	-6464	64	102,0	4"	64	4	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		Flange Size	FD	C	D Drop	WP
	Dash	Dash	mm	in	Dash Size		mm	mm	mm	psi
1203198	-4848	48	76,0	3"	48	3	101,6	149,3	140,0	2000
1214145	-6464	64	102,0	4"	64	4	127,0	187,4	190,0	525





## // ALFACRIMP // C126

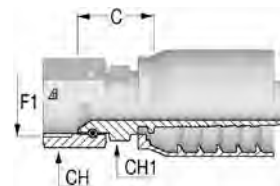
// JIC 37° INSERTS.....	182
// NPTF INSERTS .....	183
// API INSERTS .....	184
// ORFS INSERTS.....	185

// SAE FLANGES .....	186
// SUPERCAT FLANGES.....	188
// HAMMER UNION .....	190

# // JIC 37° INSERTS

## // C12626512

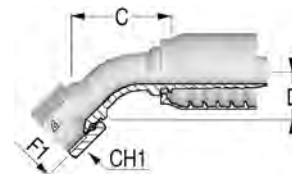
**JIC Female 37° Seat with Stem Hexagon  
DKJ**



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

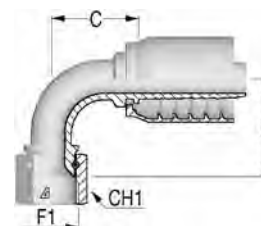
**45° JIC Female 37° Seat  
DKJ 45  
Solid one piece**



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

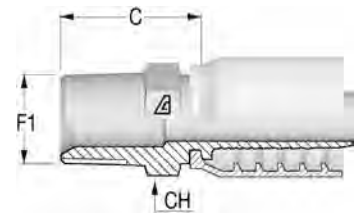
## // C12622592

**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

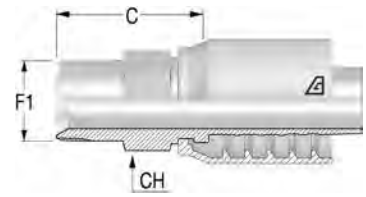
**// NPTF INSERTS****// C12612810****NPTF Male 60° Seat  
AGN**

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

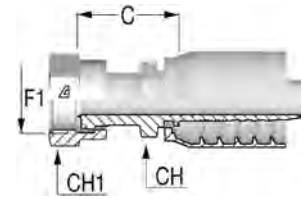
### // C1261281Z

API Male

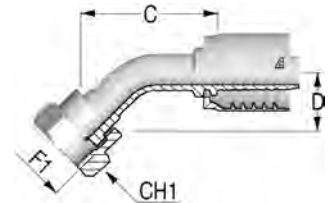


Item Code	Tail/Head	Nut Type	ID		F1	F1	C	CH
	Dash		Dash	mm	in		Dash Size	mm

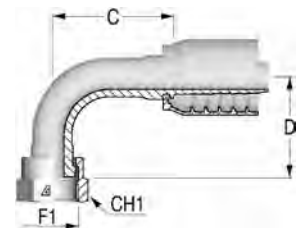
Dimensions shown may be changed without prior notice

**// 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

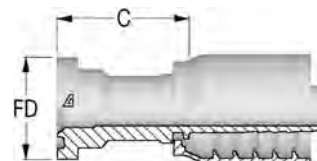
**// C12622491****90° ORFS Female  
DK ORFS 90  
Solid one piece**

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

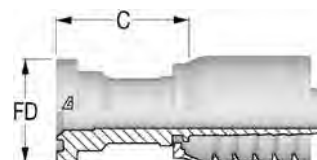
Flange SAE 3000 PSI J518 Code 61 - SFL



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

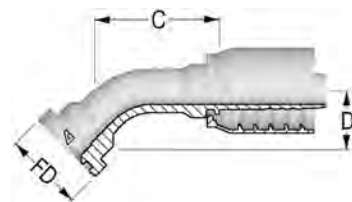
### // C12643610

Flange SAE 6000 PSI J518 Code 62 - SFS

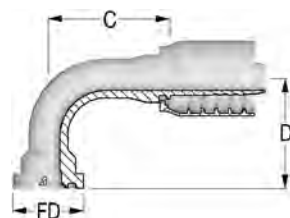


Item Code	Tail/Head	ID		Flange		C	FD	WP	
	Dash	Dash	mm	in	Dash Size				Flange Size
1216120	-1212	12	19,0	3/4"	12	3/4	50,0	41,3	6000
1216121	-1216	12	19,0	3/4"	16	1	53,0	47,6	6000
1216123	-1616	16	25,0	1"	16	1	54,0	47,6	6000
1216124	-1620	16	25,0	1"	20	1 1/4	61,0	54,0	6000
1216125	-2020	20	32,0	1 1/4"	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

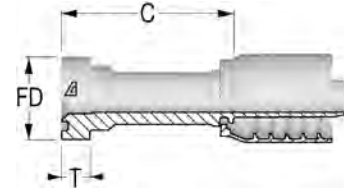
**// C12643690****90° Flange SAE 6000 PSI J518 Code 62 - SFS 90  
Solid one piece**

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

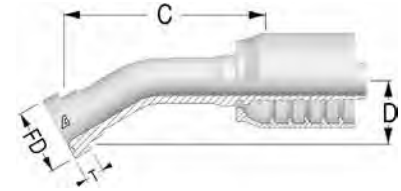
### Flange SUPERCAT



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

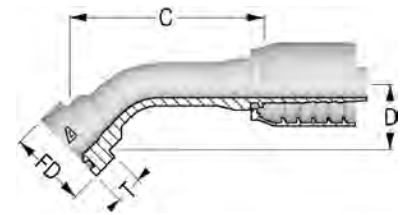
### 30° Flange SUPERCAT Solid one piece



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

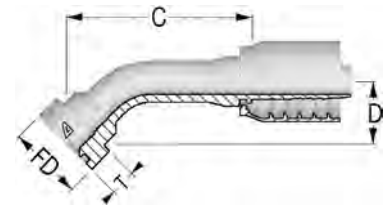


Item Code	Tail/Head	ID		Flange		Flange Size	FD	T	C	D Drop
	Dash	Dash	mm	in	Dash Size					
1216177	-1212	12	19,0	3/4"	12	3/4	41,3	14,3	103,0	33,7
1216178	-1216	12	19,0	3/4"	16	1	47,6	14,3	87,4	35,8
1216179	-1616	16	25,0	1"	16	1	47,6	14,3	93,9	42,5
1216180	-1620	16	25,0	1"	20	1 1/4	54,0	14,3	95,4	40,0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



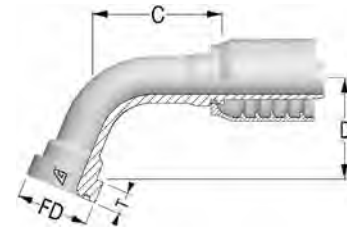
Dimensions shown may be changed without prior notice

## // C12643960

**60° Flange SUPERCAT**  
**Solid one piece**

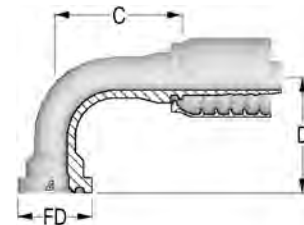
Item Code	Tail/Head		ID		Flange		FD	T	C	D Drop
	Dash	Dash	mm	in	Dash Size	Flange Size				
1216182	-1212	12	19,0	3/4"	12	3/4	41,3	14,3	92,6	46,0
1216183	-1216	12	19,0	3/4"	16	1	47,6	14,3	95,6	48,5
1216184	-1616	16	25,0	1"	16	1	47,6	14,3	118,0	59,0
1216185	-1620	16	25,0	1"	20	1 1/4	54,0	14,3	118,0	57,0

## // 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

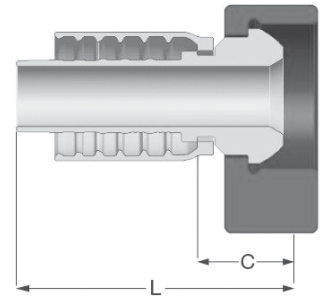
## // C12643990

**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

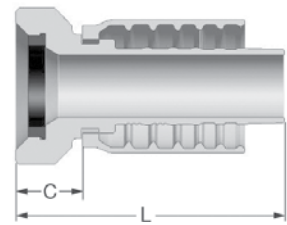
## // HAMMER UNION

## // 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



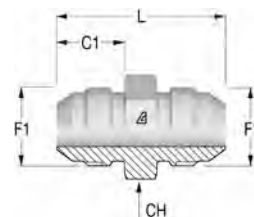
## // JIC 37° ADAPTERS

// MALE UNION.....	192	// SAE UNF .....	216
// MALE / FEMALE UNION .....	194	// NPTF .....	224
// BULKHEAD.....	197	// FLANGES .....	227
// BSPP .....	200	// ACCESSORIES.....	230
// METRIC.....	210	// PLUG .....	231

## // MALE UNION

### // R1A25M125M

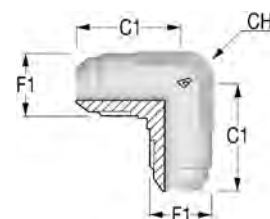
Straight union JIC - JIC Male



Item Code	Head 1 / Head 2	OD1	F1	C1	CH	L
	Dash	in		mm	mm	
1203685	-0404	1/4"	7/16-20	14,0	12,0	35,0
1203628	-0505	5/16"	1/2-20	14,0	14,0	35,0
1203713	-0606	3/8"	9/16-18	14,0	17,0	36,0
1203670	-0808	1/2"	3/4-16	16,5	22,0	41,0
1203698	-1010	5/8"	7/8-14	19,5	24,0	48,0
1203616	-1212	3/4"	1 1/16-12	22,0	30,0	55,0
1216393	-1414	7/8"	1 3/16-12	22,5	32,0	56,5
1203639	-1616	1"	1 5/16-12	23,0	36,0	57,0
1203646	-2020	1"1/4	1 5/8-12	24,5	46,0	61,5
1203653	-2424	1"1/2	1 7/8-12	27,5	50,0	70,0

### // R1A25M925M

90° union JIC - JIC Male

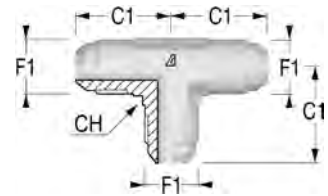


Item Code	Head 1 / Head 2	OD1	F1	C1	CH
	Dash	in		mm	mm
1203876	-0404	1/4"	7/16-20	22,5	12,0
1203842	-0505	5/16"	1/2-20	24,0	14,0
1203897	-0606	3/8"	9/16-18	27,0	14,0
1203866	-0808	1/2"	3/4-16	32,0	19,0
1203884	-1010	5/8"	7/8-14	37,0	22,0
1203836	-1212	3/4"	1 1/16-12	42,0	27,0
1216421	-1414	7/8"	1 3/16-12	44,0	33,0
1203849	-1616	1"	1 5/16-12	46,0	33,0
1203855	-2020	1"1/4	1 5/8-12	52,5	41,0
1206334	-2424	1"1/2	1 7/8-12	59,0	48,0

Dimensions shown may be changed without prior notice

### // R1A25MT25M

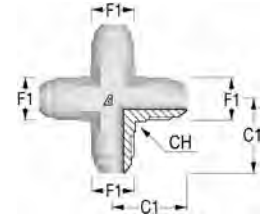
#### Tee union JIC - JIC Male



Item Code	Head 1 / Head 2	OD1	F1	C1	CH
	Dash	in		mm	mm
1203950	-0404	1/4"	7/16-20	22,5	12,0
1203945	-0505	5/16"	1/2-20	24,0	14,0
1203954	-0606	3/8"	9/16-18	27,0	14,0
1203948	-0808	1/2"	3/4-16	32,0	19,0
1203952	-1010	5/8"	7/8-14	37,0	22,0
1203944	-1212	3/4"	1 1/16-12	42,0	27,0
1216460	-1414	7/8"	1 3/16-12	44,0	33,0
1203947	-1616	1"	1 5/16-12	46,0	33,0
1205959	-2020	1"1/4	1 5/8-12	52,5	41,0
1206335	-2424	1"1/2	1 7/8-12	59,0	48,0

### // R1A25MX25M

#### Cross union JIC - JIC Male

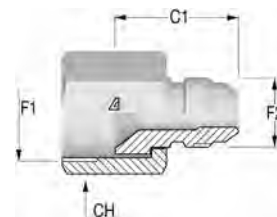


Item Code	Head 1 / Head 2	OD1	F1	C1	CH
	Dash	in		mm	mm
1206909	-0404	1/4"	7/16-20	22,5	12,0
1205451	-0505	5/16"	1/2-20	24,0	14,0
1205455	-0606	3/8"	9/16-18	27,0	14,0
1205453	-0808	1/2"	3/4-16	32,0	19,0
1205454	-1010	5/8"	7/8-14	37,0	22,0
1206835	-1212	3/4"	1 1/16-12	42,0	27,0
1216494	-1414	7/8"	1 3/16-12	44,0	33,0
1205452	-1616	1"	1 5/16-12	46,0	33,0
1212823	-2020	1"1/4	1 5/8-12	52,5	41,0
1212824	-2424	1"1/2	1 7/8-12	59,0	48,0

## // MALE / FEMALE UNION

### // R1A253125M

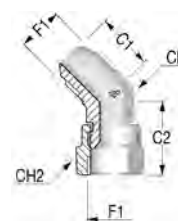
Straight reducing JIC Female - JIC Male



Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1 mm	CH mm
	Dash					
1207357	-0604	3/8"	9/16-18	7/16-20	24,5	19,0
1207615	-0605	3/8"	9/16-18	1/2-20	25,0	19,0
1207358	-0804	1/2"	3/4-16	7/16-20	25,5	22,0
1207359	-0805	1/2"	3/4-16	1/2-20	25,5	22,0
1207360	-0806	1/2"	3/4-16	9/16-18	25,5	22,0
1207361	-1004	5/8"	7/8-14	7/16-20	26,5	27,0
1207362	-1006	5/8"	7/8-14	9/16-18	26,5	27,0
1207616	-1008	5/8"	7/8-14	3/4-16	32,5	27,0
1207363	-1204	3/4"	1 1/16-12	7/16-20	27,0	32,0
1207364	-1206	3/4"	1 1/16-12	9/16-18	27,0	32,0
1207365	-1208	3/4"	1 1/16-12	3/4-16	30,5	32,0
1207617	-1210	3/4"	1 1/16-12	7/8-14	34,5	32,0
1216344	-1412	7/8"	1 3/16-12	1 1/16-12	36,4	36,0
1216365	-1606	1"	1 5/16-12	9/16-18	28,5	41,0
1216366	-1608	1"	1 5/16-12	3/4-16	31,0	41,0
1208272	-1610	1"	1 5/16-12	7/8-14	34,0	41,0
1207367	-1612	1"	1 5/16-12	1 1/16-12	37,5	41,0
1213168	-1614	1"	1 5/16-12	1 3/16-12	39,5	38,0
1207366	-2012	1 1/4"	1 5/8-12	1 1/16-12	39,1	50,0
1207368	-2016	1 1/4"	1 5/8-12	1 5/16-12	40,0	50,0
1216367	-2416	1 1/2"	1 7/8-12	1 5/16-12	46,3	60,0
1207369	-2420	1 1/2"	1 7/8-12	1 5/8-12	47,8	60,0

### // R1A25M4251

45° union JIC Male - JIC Female

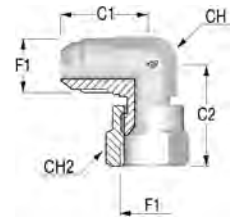


Item Code	Head 1 / Head 2	OD1 in	F1	C1	C2	CH mm	CH2 mm
	Dash			mm	mm		
1207343	-0404	1/4"	7/16-20	18,5	23,7	12,0	16,0
1207342	-0505	5/16"	1/2-20	20,0	25,5	14,0	17,0
1207341	-0606	3/8"	9/16-18	21,5	28,5	14,0	19,0
1207344	-0808	1/2"	3/4-16	24,5	32,7	19,0	25,0
1206944	-1010	5/8"	7/8-14	28,0	36,7	22,0	27,0
1207345	-1212	3/4"	1 1/16-12	32,5	38,3	27,0	32,0
1216410	-1414	7/8"	1 3/16-12	35,4	43,0	33,0	36,0
1207346	-1616	1"	1 5/16-12	36,5	44,6	33,0	38,0
1207347	-2020	1 1/4"	1 5/8-12	40,5	51,4	41,0	50,0
1210765	-2424	1 1/2"	1 7/8-12	45,0	57,1	48,0	55,0

Dimensions shown may be changed without prior notice

## // R1A25M9251

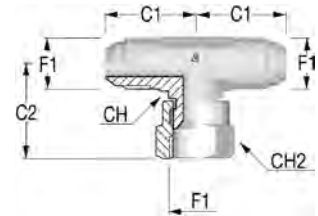
## 90° union JIC Male - JIC Female



Item Code	Head 1 / Head 2	OD1	F1	C1	C2	CH	CH2
	Dash	in		mm	mm	mm	mm
1207266	-0404	1/4"	7/16-20	22,5	25,2	12,0	16,0
1207267	-0505	5/16"	1/2-20	24,5	27,0	14,0	17,0
1207268	-0606	3/8"	9/16-18	27,0	32,0	14,0	19,0
1207269	-0808	1/2"	3/4-16	32,5	35,2	19,0	25,0
1207270	-1010	5/8"	7/8-14	36,5	41,5	22,0	27,0
1207271	-1212	3/4"	1 1/16-12	42,0	44,3	27,0	32,0
1216420	-1414	7/8"	1 3/16-12	45,5	48,0	33,0	36,0
1207272	-1616	1"	1 5/16-12	46,0	50,6	33,0	38,0
1207273	-2020	1*1/4	1 5/8-12	52,5	58,9	41,0	50,0
1207274	-2424	1*1/2	1 7/8-12	59,0	65,6	48,0	55,0

## // R1A25MT251

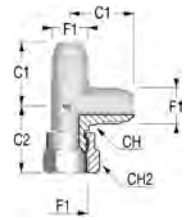
## Branch Tee union JIC Male - JIC Female



Item Code	Head 1 / Head 2	OD1	F1	C1	C2	CH	CH2
	Dash	in		mm	mm	mm	mm
1207304	-0404	1/4"	7/16-20	22,5	22,5	12,0	16,0
1207305	-0505	5/16"	1/2-20	24,0	24,0	14,0	17,0
1207306	-0606	3/8"	9/16-18	27,0	27,0	14,0	19,0
1207307	-0808	1/2"	3/4-16	32,0	32,0	19,0	25,0
1207308	-1010	5/8"	7/8-14	36,5	36,5	22,0	27,0
1207309	-1212	3/4"	1 1/16-12	42,0	42,0	27,0	32,0
1216459	-1414	7/8"	1 3/16-12	45,5	45,5	33,0	36,0
1207310	-1616	1"	1 5/16-12	46,0	46,0	33,0	38,0
1207311	-2020	1*1/4	1 5/8-12	52,5	52,5	41,0	50,0
1207312	-2424	1*1/2	1 7/8-12	59,0	59,0	48,0	50,0

## // R1A25ML251

## Run Tee union JIC Male - JIC Female



Item Code	Head 1 / Head 2	OD1	F1	C1	C2	CH	CH2
	Dash	in		mm	mm	mm	mm
1207283	-0404	1/4"	7/16-20	22,5	25,2	12,0	16,0
1207284	-0505	5/16"	1/2-20	24,0	27,0	14,0	17,0
1207285	-0606	3/8"	9/16-18	27,0	32,0	14,0	19,0
1207286	-0808	1/2"	3/4-16	32,0	35,2	19,0	25,0
1207287	-1010	5/8"	7/8-14	36,5	41,5	22,0	27,0
1207288	-1212	3/4"	1 1/16-12	42,0	44,3	27,0	32,0
1216434	-1414	7/8"	1 3/16-12	45,5	46,5	33,0	36,0
1207289	-1616	1"	1 5/16-12	46,0	50,5	33,0	38,0
1207290	-2020	1*1/4	1 5/8-12	52,5	59,0	41,0	50,0
1207291	-2424	1*1/2	1 7/8-12	59,0	65,6	48,0	55,0

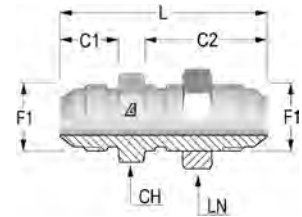


Dimensions shown may be changed without prior notice

## // BULKHEAD

## // R1A25M125T

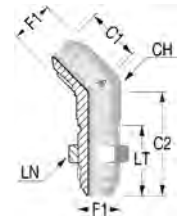
## Straight union JIC - JIC Bulkhead



Item Code	Head 1 / Head 2	OD1 in	F1	C1	C2	CH	LN	L
	Dash			mm	mm	mm	mm	mm
1203686	-0404	1/4"	7/16-20	14,0	30,5	17,0	17,0	52,5
1203629	-0505	5/16"	1/2-20	14,0	30,5	19,0	19,0	52,5
1203714	-0606	3/8"	9/16-18	14,0	32,5	22,0	22,0	55,5
1203671	-0808	1/2"	3/4-16	16,5	36,5	24,0	24,0	62,0
1203699	-1010	5/8"	7/8-14	19,5	40,0	30,0	30,0	69,5
1203617	-1212	3/4"	1 1/16-12	22,0	44,5	36,0	36,0	78,5
1216394	-1414	7/8"	1 3/16-12	22,5	44,5	38,0	41,0	79,2
1203640	-1616	1"	1 5/16-12	23,0	44,5	41,0	41,0	80,0
1203647	-2020	1 1/4"	1 5/8-12	24,5	45,5	50,0	50,0	84,0
1211675	-2424	1 1/2"	1 7/8-12	27,5	46,0	55,0	55,0	89,5

## // R1A25M425T

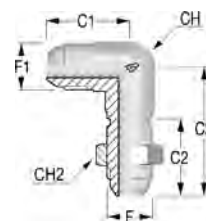
## 45° union JIC - JIC Bulkhead



Item Code	Head 1 / Head 2	OD1 in	F1	C1	C2	CH	LN	LT
	Dash			mm	mm	mm	mm	mm
1210766	-0404	1/4"	7/16-20	18,5	39,0	12,0	17,0	25,9
1211706	-0505	5/16"	1/2-20	19,5	42,0	14,0	19,0	25,9
1208045	-0606	3/8"	9/16-18	20,0	42,7	14,0	22,0	27,7
1210767	-0808	1/2"	3/4-16	25,0	49,5	19,0	24,0	31,8
1210768	-1010	5/8"	7/8-14	28,0	55,0	22,0	30,0	35,3
1210769	-1212	3/4"	1 1/16-12	32,5	62,0	27,0	36,0	39,6
1216411	-1414	7/8"	1 3/16-12	35,0	63,5	33,0	38,0	39,6
1210770	-1616	1"	1 5/16-12	37,5	65,0	33,0	41,0	39,6
1211707	-2020	1 1/4"	1 5/8-12	40,0	67,5	41,0	50,0	40,9
1211708	-2424	1 1/2"	1 7/8-12	45,0	68,0	48,0	55,0	41,1

**// R1A25M925T**

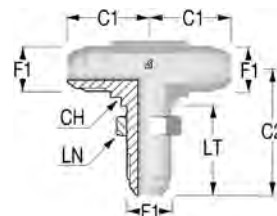
**90° union JIC - JIC Bulkhead**



Item Code	Head 1 / Head 2	OD1	F1	C1	C2	CH	LN	LT
	Dash			mm	mm	mm		
1205564	-0404	1/4"	7/16-20	24,5	40,5	12,0	17,0	25,9
1206405	-0505	5/16"	1/2-20	27,0	43,5	14,0	19,0	25,9
1203898	-0606	3/8"	9/16-18	27,5	46,0	14,0	22,0	27,7
1203867	-0808	1/2"	3/4-16	34,5	53,5	19,0	24,0	31,8
1203885	-1010	5/8"	7/8-14	39,5	60,5	22,0	30,0	35,3
1206783	-1212	3/4"	1 1/16-12	45,0	68,0	27,0	36,0	39,6
1216422	-1414	7/8"	1 3/16-12	47,0	69,0	33,0	38,0	39,6
1211735	-1616	1"	1 5/16-12	49,5	71,0	33,0	41,0	39,6
1211736	-2020	1 1/4"	1 5/8-12	55,0	79,0	41,0	50,0	40,9
1208117	-2424	1 1/2"	1 7/8-12	59,5	87,0	48,0	55,0	41,1

**// R1A25MT25T**

**Branch Tee union JIC - JIC Bulkhead**

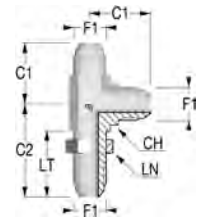


Item Code	Head 1 / Head 2	OD1	F1	C1	C2	CH	LN	LT
	Dash			mm	mm	mm		
1208139	-0404	1/4"	7/16-20	24,5	40,5	12,0	17,0	25,9
1210747	-0505	5/16"	1/2-20	27,0	43,5	14,0	19,0	25,9
1210748	-0606	3/8"	9/16-18	27,5	46,0	14,0	22,0	27,7
1205586	-0808	1/2"	3/4-16	34,5	53,5	19,0	24,0	31,8
1211637	-1010	5/8"	7/8-14	39,5	60,5	22,0	30,0	35,3
1211638	-1212	3/4"	1 1/16-12	45,0	68,0	27,0	36,0	39,6
1216462	-1414	7/8"	1 3/16-12	49,0	69,0	33,0	38,0	39,6
1212775	-1616	1"	1 5/16-12	49,5	71,0	33,0	41,0	39,6
1208225	-2020	1 1/4"	1 5/8-12	55,0	79,0	41,0	50,0	40,9
1212776	-2424	1 1/2"	1 7/8-12	59,5	87,0	48,0	55,0	41,1

Dimensions shown may be changed without prior notice

## // R1A25ML25T

## Run Tee union JIC - JIC Bulkhead

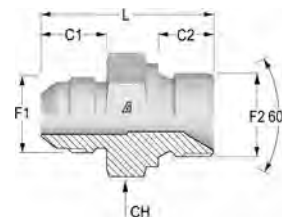


Item Code	Head 1 / Head 2	OD1	F1	C1	C2	CH	LN	LT
	Dash	in		mm	mm	mm	mm	mm
1211617	-0404	1/4"	7/16-20	24,5	40,5	12,0	17,0	25,9
1211618	-0505	5/16"	1/2-20	27,0	43,5	14,0	19,0	25,9
1206974	-0606	3/8"	9/16-18	27,5	46,0	14,0	22,0	27,7
1211619	-0808	1/2"	3/4-16	34,5	53,5	19,0	24,0	32,0
1210743	-1010	5/8"	7/8-14	39,5	60,5	22,0	30,0	35,3
1211620	-1212	3/4"	1 1/16-12	45,0	68,0	27,0	36,0	39,6
1216435	-1414	7/8"	1 3/16-12	47,0	69,0	33,0	38,0	39,6
1212713	-1616	1"	1 5/16-12	49,5	71,0	33,0	41,0	39,6
1212714	-2020	1 1/4"	1 5/8-12	55,0	79,0	41,0	50,0	40,9
1212715	-2424	1 1/2"	1 7/8-12	59,5	87,0	48,0	55,0	41,1

**// BSPP**

**// R1A25M105M**

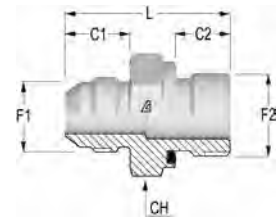
**Straight connector JIC Male - BSPP cylindric Male 60°**



Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH mm	L mm
	Dash				mm	mm		
1212826	-0402	1/4"	7/16-20	1/8-28	14,0	9,5	14,0	29,0
1212827	-0404	1/4"	7/16-20	1/4-19	14,0	13,0	19,0	34,0
1212828	-0406	1/4"	7/16-20	3/8-19	14,0	15,5	22,0	35,5
1212829	-0408	1/4"	7/16-20	1/2-14	14,0	17,0	27,0	40,0
1212830	-0502	5/16"	1/2-20	1/8-28	14,0	9,5	14,0	29,0
1212831	-0504	5/16"	1/2-20	1/4-19	14,0	13,0	19,0	32,0
1212832	-0604	3/8"	9/16-18	1/4-19	14,0	13,0	19,0	34,0
1212833	-0606	3/8"	9/16-18	3/8-19	14,0	15,5	22,0	35,5
1212834	-0608	3/8"	9/16-18	1/2-14	14,0	17,0	27,0	41,0
1212835	-0804	1/2"	3/4-16	1/4-19	16,5	13,0	19,0	36,0
1207735	-0806	1/2"	3/4-16	3/8-19	16,5	15,5	22,0	38,0
1207736	-0808	1/2"	3/4-16	1/2-14	16,5	17,0	27,0	41,0
1207737	-0812	1/2"	3/4-16	3/4-14	16,5	20,0	32,0	45,5
1207738	-1006	5/8"	7/8-14	3/8-19	19,5	15,5	24,0	41,5
1205996	-1008	5/8"	7/8-14	1/2-14	19,5	17,0	27,0	45,5
1231525	-1012	5/8"	7/8-14	3/4-14	19,5	20,0	32,0	48,5
1212837	-1208	3/4"	1 1/16-12	1/2-14	22,0	17,0	32,0	50,0
1212838	-1212	3/4"	1 1/16-12	3/4-14	22,0	20,0	32,0	50,0
1212839	-1216	3/4"	1 1/16-12	1-11	22,0	18,0	41,0	53,0
1216372	-1412	7/8"	1 3/16-12	3/4-14	22,5	20,0	32,0	51,5
1212840	-1612	1"	1 5/16-12	3/4-14	23,0	20,0	36,0	55,0
1212841	-1616	1"	1 5/16-12	1-11	23,0	22,0	41,0	54,0
1212842	-1620	1"	1 5/16-12	1 1/4-11	23,0	23,0	50,0	56,0
1207739	-2016	1"1/4	1 5/8-12	1-11	24,5	22,0	46,0	58,5
1212843	-2020	1"1/4	1 5/8-12	1 1/4-11	24,5	23,0	50,0	59,5
1212844	-2420	1"1/2	1 7/8-12	1 1/4-11	27,5	23,0	50,0	62,5
1212845	-2424	1"1/2	1 7/8-12	1 1/2-11	27,5	25,0	55,0	64,5

Dimensions shown may be changed without prior notice

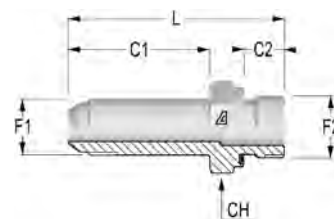
## // R1A25M106I

**Straight connector JIC Male - BSPP cylindric Male with elastomer**

Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH mm	L mm
	Dash				mm	mm		
1207410	-0402	1/4"	7/16-20	1/8-28	14,0	8,0	14,0	30,0
1207411	-0404	1/4"	7/16-20	1/4-19	14,0	12,0	19,0	36,0
1207412	-0406	1/4"	7/16-20	3/8-19	14,0	12,0	22,0	35,5
1207413	-0408	1/4"	7/16-20	1/2-14	14,0	14,0	27,0	39,0
1207993	-0502	5/16"	1/2-20	1/8-28	14,0	8,0	14,0	30,5
1207414	-0504	5/16"	1/2-20	1/4-19	14,0	12,0	19,0	35,0
1207415	-0506	5/16"	1/2-20	3/8-19	14,0	12,0	22,0	35,5
1207416	-0604	3/8"	9/16-18	1/4-19	14,0	12,0	19,0	35,0
1207417	-0606	3/8"	9/16-18	3/8-19	14,0	12,0	22,0	36,0
1207418	-0608	3/8"	9/16-18	1/2-14	14,0	14,0	27,0	39,5
1207419	-0804	1/2"	3/4-16	1/4-19	16,5	12,0	19,0	38,5
1207420	-0806	1/2"	3/4-16	3/8-19	16,5	12,0	22,0	38,5
1207421	-0808	1/2"	3/4-16	1/2-14	16,5	14,0	27,0	42,0
1207422	-0812	1/2"	3/4-16	3/4-14	16,5	16,0	32,0	45,5
1207423	-1006	5/8"	7/8-14	3/8-19	19,5	12,0	24,0	42,5
1207424	-1008	5/8"	7/8-14	1/2-14	19,5	14,0	27,0	44,5
1207425	-1012	5/8"	7/8-14	3/4-14	19,5	16,0	32,0	49,5
1207426	-1208	3/4"	1 1/16-12	1/2-14	22,0	14,0	32,0	49,0
1207427	-1212	3/4"	1 1/16-12	3/4-14	22,0	16,0	32,0	51,0
1207428	-1216	3/4"	1 1/16-12	1-11	22,0	18,0	41,0	53,5
1212875	-1412	7/8"	1 3/16-12	3/4-14	22,5	16,0	32,0	53,5
1207429	-1612	1"	1 5/16-12	3/4-14	23,0	16,0	36,0	51,5
1207430	-1616	1"	1 5/16-12	1-11	23,0	18,0	41,0	54,5
1207431	-1620	1"	1 5/16-12	1 1/4-11	23,0	20,0	50,0	58,5
1208006	-2016	1"1/4	1 5/8-12	1-11	24,5	18,0	46,0	62,0
1207432	-2020	1"1/4	1 5/8-12	1 1/4-11	24,5	20,0	50,0	60,0
1207433	-2420	1"1/2	1 7/8-12	1 1/4-11	27,5	20,0	50,0	64,0
1207434	-2424	1"1/2	1 7/8-12	1 1/2-11	27,5	22,0	55,0	67,0

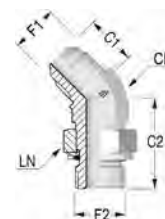
**// R1A25M106H**

**Long connector JIC Male - BSPP cylindric Male with elastomer**



Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH mm	L mm
	Dash				mm	mm		
1212846	-0402	1/4"	7/16-20	1/8-28	35,0	8,0	14,0	50,0
1212847	-0404	1/4"	7/16-20	1/4-19	35,0	12,0	19,0	55,5
1212848	-0406	1/4"	7/16-20	3/8-19	35,0	12,0	22,0	56,8
1212849	-0408	1/4"	7/16-20	1/2-14	35,0	14,0	27,0	60,3
1212850	-0502	5/16"	1/2-20	1/8-28	37,0	8,0	14,0	53,3
1212851	-0504	5/16"	1/2-20	1/4-19	37,0	12,0	19,0	57,5
1212852	-0506	5/16"	1/2-20	3/8-19	37,0	12,0	22,0	57,5
1212853	-0604	3/8"	9/16-18	1/4-19	39,0	12,0	19,0	59,5
1212854	-0606	3/8"	9/16-18	3/8-19	39,5	12,0	22,0	62,0
1212855	-0608	3/8"	9/16-18	1/2-14	39,0	14,0	27,0	63,0
1212856	-0804	1/2"	3/4-16	1/4-19	47,8	12,0	22,0	69,8
1212857	-0806	1/2"	3/4-16	3/8-19	47,8	12,0	22,0	70,8
1212858	-0808	1/2"	3/4-16	1/2-14	48,0	14,0	27,0	73,5
1212859	-0812	1/2"	3/4-16	3/4-14	48,0	16,0	32,0	76,8
1212860	-1006	5/8"	7/8-14	3/8-19	53,0	12,0	24,0	74,0
1212861	-1008	5/8"	7/8-14	1/2-14	53,1	14,0	27,0	78,1
1212862	-1012	5/8"	7/8-14	3/4-14	53,1	16,0	32,0	84,1
1212863	-1208	3/4"	1 1/16-12	1/2-14	63,5	14,0	30,0	90,5
1212864	-1212	3/4"	1 1/16-12	3/4-14	64,0	16,0	32,0	92,5
1212865	-1216	3/4"	1 1/16-12	1-11	63,5	18,0	41,0	95,0
1216388	-1412	7/8"	1 3/16-12	3/4-14	68,3	16,0	32,0	99,3
1212866	-1612	1"	1 5/16-12	3/4-14	72,0	16,0	36,0	100,0
1212867	-1616	1"	1 5/16-12	1-11	72,1	18,0	41,0	103,6
1212868	-1620	1"	1 5/16-12	1 1/4-11	72,1	20,0	50,0	107,6
1212869	-2016	1"1/4	1 5/8-12	1-11	88,0	18,0	46,0	123,0
1212870	-2020	1"1/4	1 5/8-12	1 1/4-11	88,1	20,0	50,0	123,6
1212871	-2420	1"1/2	1 7/8-12	1 1/4-11	98,6	20,0	50,0	135,1
1212872	-2424	1"1/2	1 7/8-12	1 1/2-11	98,6	22,0	55,0	138,1

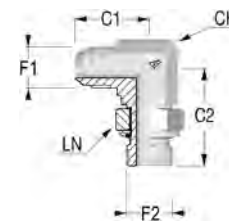
Dimensions shown may be changed without prior notice

**// R1A25M406N****45° adjustable elbow connector JIC Male - BSPP cylindric Male with O-Ring and retaining ring**

Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH mm	LN mm
	Dash				mm	mm		
1207325	-0402	1/4"	7/16-20	1/8-28	19,5	26,5	12,0	14,0
1207326	-0404	1/4"	7/16-20	1/4-19	21,0	29,0	14,0	19,0
1212959	-0406	1/4"	7/16-20	3/8-19	22,0	33,0	17,0	22,0
1212960	-0408	1/4"	7/16-20	1/2-14	22,5	38,5	22,0	27,0
1212961	-0502	5/16"	1/2-20	1/8-28	19,5	26,5	14,0	14,0
1211702	-0504	5/16"	1/2-20	1/4-19	19,5	26,5	14,0	19,0
1212962	-0506	5/16"	1/2-20	3/8-19	21,0	32,5	17,0	22,0
1207327	-0604	3/8"	9/16-18	1/4-19	21,0	29,0	14,0	19,0
1207328	-0606	3/8"	9/16-18	3/8-19	22,0	33,0	17,0	22,0
1212963	-0608	3/8"	9/16-18	1/2-14	22,5	38,5	22,0	27,0
1212964	-0804	1/2"	3/4-16	1/4-19	25,5	30,0	19,0	19,0
1207329	-0806	1/2"	3/4-16	3/8-19	25,5	33,0	19,0	22,0
1207330	-0808	1/2"	3/4-16	1/2-14	25,5	38,5	22,0	27,0
1207331	-1008	5/8"	7/8-14	1/2-14	28,0	38,5	22,0	27,0
1208292	-1012	5/8"	7/8-14	3/4-14	30,0	44,0	27,0	36,0
1207333	-1212	3/4"	1 1/16-12	3/4-14	32,5	44,0	27,0	36,0
1212967	-1216	3/4"	1 1/16-12	1-11	37,0	47,0	33,0	41,0
1212968	-1412	7/8"	1 3/16-12	3/4-14	35,0	45,5	33,0	36,0
1212969	-1612	1"	1 5/16-12	3/4-14	37,0	47,0	33,0	36,0
1207334	-1616	1"	1 5/16-12	1-11	37,0	47,0	33,0	41,0
1208380	-2020	1 1/4"	1 5/8-12	1 1/4-11	39,5	48,5	41,0	50,0
1211703	-2424	1 1/2"	1 7/8-12	1 1/2-11	45,0	48,0	48,0	55,0

**// R1A25M906N**

**90° adjustable elbow connector JIC Male - BSPP cylindric Male with O-Ring and retaining ring**



Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH	LN
	Dash				mm	mm	mm	mm
1207238	-0402	1/4"	7/16-20	1/8-28	22,5	26,0	12,0	14,0
1207239	-0404	1/4"	7/16-20	1/4-19	27,0	31,5	14,0	19,0
1213024	-0406	1/4"	7/16-20	3/8-19	28,5	36,5	17,0	22,0
1213025	-0408	1/4"	7/16-20	1/2-14	31,0	43,0	22,0	27,0
1207240	-0502	5/16"	1/2-20	1/8-28	24,0	27,5	14,0	14,0
1207241	-0504	5/16"	1/2-20	1/4-19	27,0	31,5	14,0	19,0
1207743	-0506	5/16"	1/2-20	3/8-19	28,5	36,5	17,0	22,0
1207242	-0604	3/8"	9/16-18	1/4-19	27,0	31,5	14,0	19,0
1207243	-0606	3/8"	9/16-18	3/8-19	28,5	36,5	17,0	22,0
1208226	-0608	3/8"	9/16-18	1/2-14	31,0	43,0	22,0	27,0
1207244	-0804	1/2"	3/4-16	1/4-19	31,5	33,5	19,0	19,0
1207245	-0806	1/2"	3/4-16	3/8-19	31,5	36,5	19,0	22,0
1207246	-0808	1/2"	3/4-16	1/2-14	34,1	43,0	22,0	27,0
1213026	-0812	1/2"	3/4-16	3/4-14	37,0	49,0	27,0	36,0
1207744	-1006	5/8"	7/8-14	3/8-19	36,5	39,5	22,0	22,0
1207247	-1008	5/8"	7/8-14	1/2-14	36,5	43,0	22,0	27,0
1207745	-1012	5/8"	7/8-14	3/4-14	39,5	49,0	27,0	27,0
1207248	-1208	3/4"	1 1/16-12	1/2-14	42,0	45,5	27,0	27,0
1207249	-1212	3/4"	1 1/16-12	3/4-14	42,0	49,0	27,0	36,0
1207250	-1216	3/4"	1 1/16-12	1-11	44,5	52,0	33,0	41,0
1213027	-1412	7/8"	1 3/16-12	3/4-14	44,0	50,5	33,0	36,0
1207251	-1612	1"	1 5/16-12	3/4-14	46,0	52,0	33,0	36,0
1207252	-1616	1"	1 5/16-12	1-11	46,0	52,0	33,0	41,0
1207746	-1620	1"	1 5/16-12	1 1/4-11	51,0	57,0	41,0	50,0
1207253	-2016	1"1/4	1 5/8-12	1-11	52,0	57,0	41,0	41,0
1207254	-2020	1"1/4	1 5/8-12	1 1/4-11	52,0	57,0	41,0	50,0
1213028	-2420	1"1/2	1 7/8-12	1 1/4-11	59,0	61,0	48,0	50,0
1207255	-2424	1"1/2	1 7/8-12	1 1/2-11	59,0	61,0	48,0	55,0



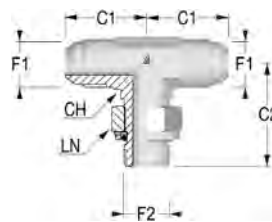
Dimensions shown may be changed without prior notice

**// R1A25M906Y****90° adjustable long elbow connector JIC Male - BSPP cylindric Male with O-Ring and retaining ring**

Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH	LN
	Dash				mm	mm	mm	mm
1213029	-0402	1/4"	7/16-20	1/8-28	24,0	46,0	14,0	14,0
1213030	-0404	1/4"	7/16-20	1/4-19	27,0	56,5	14,0	19,0
1213031	-0406	1/4"	7/16-20	3/8-19	28,5	67,0	17,0	22,0
1213032	-0408	1/4"	7/16-20	1/2-14	31,0	78,0	22,0	27,0
1213033	-0502	5/16"	1/2-20	1/8-28	24,0	49,5	14,0	14,0
1213034	-0504	5/16"	1/2-20	1/4-19	27,0	56,5	14,0	19,0
1213035	-0506	5/16"	1/2-20	3/8-19	28,5	61,0	17,0	22,0
1213036	-0604	3/8"	9/16-18	1/4-19	27,0	56,5	14,0	19,0
1213037	-0606	3/8"	9/16-18	3/8-19	28,5	67,0	17,0	22,0
1213038	-0608	3/8"	9/16-18	1/2-14	28,5	78,0	22,0	27,0
1213039	-0804	1/2"	3/4-16	1/4-19	31,5	64,0	22,0	19,0
1213040	-0806	1/2"	3/4-16	3/8-19	31,5	67,0	22,0	22,0
1213041	-0808	1/2"	3/4-16	1/2-14	34,1	78,0	22,0	27,0
1213042	-0812	1/2"	3/4-16	3/4-14	37,0	92,0	27,0	36,0
1213043	-1006	5/8"	7/8-14	3/8-19	36,5	75,0	22,0	22,0
1213044	-1008	5/8"	7/8-14	1/2-14	36,5	78,0	22,0	27,0
1213045	-1012	5/8"	7/8-14	3/4-14	39,5	92,0	27,0	36,0
1213046	-1208	3/4"	1 1/16-12	1/2-14	42,0	88,0	27,0	27,0
1213047	-1216	3/4"	1 1/16-12	1-11	44,5	105,0	33,0	41,0
1216418	-1412	7/8"	1 3/16-12	3/4-14	44,0	99,0	33,0	36,0
1213048	-1616	1"	1 5/16-12	1-11	46,0	105,0	33,0	41,0
1213049	-1620	1"	1 5/16-12	1 1/4-11	51,0	123,0	41,0	50,0
1213050	-2016	1"1/4	1 5/8-12	1-11	52,0	124,0	41,0	41,0
1213051	-2020	1"1/4	1 5/8-12	1 1/4-11	52,0	123,0	41,0	50,0
1213052	-2420	1"1/2	1 7/8-12	1 1/4-11	59,0	134,0	48,0	50,0
1213053	-2424	1"1/2	1 7/8-12	1 1/2-11	59,0	135,0	48,0	55,0

**// R1A25MT06N**

**Branch Tee adjustable elbow connector JIC Male - BSPP  
cylindric Male with O-Ring and retaining ring**

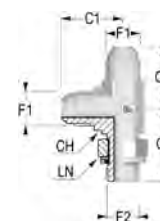


Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH	LN
	Dash				mm	mm	mm	mm
1208134	-0402	1/4"	7/16-20	1/8-28	24,5	26,0	12,0	14,0
1210701	-0404	1/4"	7/16-20	1/4-19	27,0	31,5	14,0	19,0
1212762	-0406	1/4"	7/16-20	3/8-19	28,5	36,5	17,0	22,0
1212763	-0408	1/4"	7/16-20	1/2-14	31,0	43,0	22,0	27,0
1212764	-0502	5/16"	1/2-20	1/8-28	24,0	27,5	14,0	14,0
1207314	-0504	5/16"	1/2-20	1/4-19	27,0	31,5	14,0	19,0
1212765	-0506	5/16"	1/2-20	3/8-19	28,5	36,5	17,0	22,0
1207313	-0604	3/8"	9/16-18	1/4-19	27,0	31,5	14,0	19,0
1210744	-0606	3/8"	9/16-18	3/8-19	28,5	36,5	17,0	22,0
1212766	-0608	3/8"	9/16-18	1/2-14	31,0	43,0	22,0	27,0
1212767	-0804	1/2"	3/4-16	1/4-19	31,5	33,5	19,0	19,0
1240190	-0806	1/2"	3/4-16	3/8-19	31,5	36,5	19,0	22,0
1207316	-0808	1/2"	3/4-16	1/2-14	34,0	43,0	22,0	27,0
1212768	-0812	1/2"	3/4-16	3/4-14	37,0	49,0	27,0	36,0
1212769	-1006	5/8"	7/8-14	3/8-19	36,5	39,5	22,0	22,0
1207317	-1008	5/8"	7/8-14	1/2-14	36,5	43,0	22,0	27,0
1212770	-1012	5/8"	7/8-14	3/4-14	36,5	43,0	27,0	36,0
1207318	-1208	3/4"	1 1/16-12	1/2-14	42,0	45,5	27,0	27,0
1207319	-1212	3/4"	1 1/16-12	3/4-14	42,0	49,0	27,0	27,0
1212771	-1216	3/4"	1 1/16-12	1-11	44,5	52,0	33,0	41,0
1216449	-1412	7/8"	1 3/16-12	-	44,0	50,5	33,0	27,0
1212772	-1612	1"	1 5/16-12	3/4-14	46,0	52,0	33,0	27,0
1207320	-1616	1"	1 5/16-12	1-11	46,0	52,0	33,0	41,0
1212773	-1620	1"	1 5/16-12	1 1/4-11	51,0	57,0	41,0	50,0
1212774	-2016	1 1/4"	1 5/8-12	1-11	52,0	57,0	41,0	41,0
1211631	-2020	1 1/4"	1 5/8-12	1 1/4-11	52,0	57,0	41,0	50,0
1211632	-2420	1 1/2"	1 7/8-12	1 1/4-11	59,0	61,0	48,0	50,0
1211633	-2424	1 1/2"	1 7/8-12	1 1/2-11	59,0	61,0	48,0	55,0

Dimensions shown may be changed without prior notice

## // R1A25ML06N

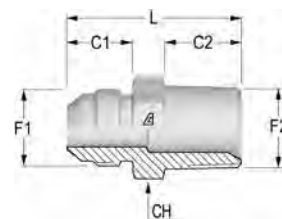
Run Tee adjustable elbow connector JIC Male - BSPP cylindric  
Male with O-Ring and retaining ring



Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in			mm	mm	mm	mm
1210740	-0402	1/4"	7/16-20	1/8-28	22,5	26,5	12,0	14,0
1210742	-0404	1/4"	7/16-20	1/4-19	27,0	31,5	14,0	19,0
1212702	-0406	1/4"	7/16-20	3/8-19	28,5	36,5	17,0	22,0
1212703	-0408	1/4"	7/16-20	1/2-14	31,0	43,0	22,0	27,0
1210694	-0504	5/16"	1/2-20	1/4-19	27,0	31,5	14,0	19,0
1212704	-0506	5/16"	1/2-20	3/8-19	28,5	36,5	17,0	22,0
1207292	-0604	3/8"	9/16-18	1/4-19	27,0	31,5	14,0	19,0
1207293	-0606	3/8"	9/16-18	3/8-19	28,5	36,5	17,0	22,0
1212705	-0608	3/8"	9/16-18	1/2-14	31,0	43,0	22,0	27,0
1212706	-0804	1/2"	3/4-16	1/4-19	31,5	33,5	19,0	19,0
1207294	-0806	1/2"	3/4-16	3/8-19	31,5	36,5	19,0	22,0
1207295	-0808	1/2"	3/4-16	1/2-14	34,0	43,0	22,0	27,0
1212707	-0812	1/2"	3/4-16	3/4-14	37,0	49,0	27,0	36,0
1212708	-1006	5/8"	7/8-14	3/8-19	36,5	39,5	22,0	22,0
1207748	-1008	5/8"	7/8-14	1/2-14	36,5	43,0	22,0	27,0
1208030	-1012	5/8"	7/8-14	3/4-14	39,5	49,0	27,0	36,0
1207299	-1208	3/4"	1 1/16-12	1/2-14	42,0	45,5	27,0	27,0
1207296	-1212	3/4"	1 1/16-12	3/4-14	42,0	49,0	27,0	36,0
1208124	-1216	3/4"	1 1/16-12	1-11	44,5	52,0	33,0	41,0
1208277	-1612	1"	1 5/16-12	3/4-14	46,0	52,0	33,0	36,0
1207297	-1616	1"	1 5/16-12	1-11	46,0	52,0	33,0	41,0
1212710	-1620	1"	1 5/16-12	1 1/4-11	52,0	56,0	41,0	50,0
1212711	-2016	1"1/4	1 5/8-12	1-11	52,0	57,0	41,0	41,0
1212712	-2420	1"1/2	1 7/8-12	1 1/4-11	59,0	61,0	48,0	50,0
1208125	-2424	1"1/2	1 7/8-12	1 1/2-11	59,0	61,0	48,0	55,0

**// R1A25M107M**

**Straight connector JIC Male - BSPT Male**

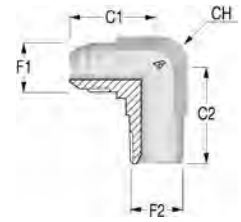


Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	L
	Dash	in			mm	mm		
1203683	-0402	1/4"	7/16-20	1/8-28	14,0	10,0	14,0	30,5
1203682	-0404	1/4"	7/16-20	1/4-19	14,0	14,5	14,0	35,5
1203626	-0502	5/16"	1/2-20	1/8-28	14,0	10,0	14,0	30,5
1203625	-0504	5/16"	1/2-20	1/4-19	14,0	14,5	14,0	35,5
1203711	-0604	3/8"	9/16-18	1/4-19	14,0	14,5	17,0	35,5
1203712	-0606	3/8"	9/16-18	3/8-19	14,0	14,5	19,0	35,5
1203710	-0608	3/8"	9/16-18	1/2-14	14,0	19,0	22,0	41,0
1203667	-0804	1/2"	3/4-16	1/4-19	16,5	14,5	19,0	38,5
1203669	-0806	1/2"	3/4-16	3/8-19	16,5	14,5	19,0	38,5
1203666	-0808	1/2"	3/4-16	1/2-14	16,5	19,0	22,0	43,5
1203696	-1006	5/8"	7/8-14	3/8-19	19,5	14,5	24,0	42,0
1203694	-1008	5/8"	7/8-14	1/2-14	19,5	19,0	24,0	46,5
1203695	-1012	5/8"	7/8-14	3/4-14	19,5	19,0	27,0	48,5
1203614	-1208	3/4"	1 1/16-12	1/2-14	22,0	19,0	27,0	51,0
1203615	-1212	3/4"	1 1/16-12	3/4-14	22,0	19,0	27,0	51,0
1203613	-1216	3/4"	1 1/16-12	1-11	22,0	24,0	36,0	56,5
1216391	-1412	7/8"	1 3/16-12	3/4-14	22,5	19,0	32,0	50,5
1203638	-1612	1"	1 5/16-12	3/4-14	23,0	19,0	36,0	53,0
1203636	-1616	1"	1 5/16-12	1-11	23,0	24,0	36,0	58,0
1203644	-2016	1 1/4"	1 5/8-12	1-11	24,5	24,0	46,0	60,5
1203645	-2020	1 1/4"	1 5/8-12	1 1/4-11	24,5	25,0	46,0	61,0
1203652	-2424	1 1/2"	1 7/8-12	1 1/2-11	27,5	25,5	50,0	68,0

Dimensions shown may be changed without prior notice

## // R1A25M907M

## 90° elbow connector JIC Male - BSPT Male

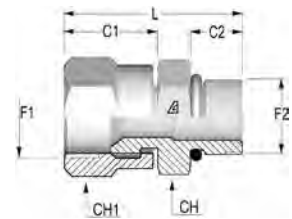


Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH
	Dash				mm	mm	mm
1203874	-0402	1/4"	7/16-20	1/8-28	22,5	19,5	12,0
1203873	-0404	1/4"	7/16-20	1/4-19	27,0	27,5	14,0
1203840	-0502	5/16"	1/2-20	1/8-28	24,0	20,0	14,0
1203839	-0504	5/16"	1/2-20	1/4-19	27,0	27,0	14,0
1203895	-0604	3/8"	9/16-18	1/4-19	27,0	27,0	14,0
1203896	-0606	3/8"	9/16-18	3/8-19	28,5	31,0	17,0
1203894	-0608	3/8"	9/16-18	1/2-14	31,0	37,5	22,0
1203864	-0804	1/2"	3/4-16	1/4-19	31,5	31,0	19,0
1203865	-0806	1/2"	3/4-16	3/8-19	31,5	31,0	19,0
1203863	-0808	1/2"	3/4-16	1/2-14	34,0	37,0	22,0
1203883	-1006	5/8"	7/8-14	3/8-19	36,5	32,5	22,0
1203881	-1008	5/8"	7/8-14	1/2-14	36,5	40,0	22,0
1203882	-1012	5/8"	7/8-14	3/4-14	39,5	40,5	27,0
1203835	-1212	3/4"	1 1/16-12	3/4-14	42,0	40,5	27,0
1203833	-1216	3/4"	1 1/16-12	1-11	44,5	50,0	33,0
1216419	-1412	7/8"	1 3/16-12	3/4-14	44,0	43,0	33,0
1203847	-1612	1"	1 5/16-12	3/4-14	46,0	45,0	33,0
1203846	-1616	1"	1 5/16-12	1-11	46,0	50,0	33,0
1205460	-2016	1 1/4"	1 5/8-12	1-11	52,0	59,5	41,0
1203853	-2020	1 1/4"	1 5/8-12	1 1/4-11	52,0	60,5	41,0
1213054	-2424	1 1/2"	1 7/8-12	1 1/2-11	59,0	67,0	48,0

## // METRIC

## // R1A2511525

## Straight connector JIC Female - Metric Male with O-Ring

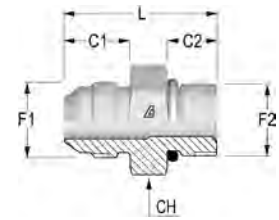


Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	CH1	L
	Dash/mm	in			mm	mm	mm	mm	mm
1207442	-0410	1/4"	7/16-20	M10X1.0	17,0	11,0	14,0	16,0	34,5
1216347	-0412	1/4"	7/16-20	M12X1.5	17,0	13,5	17,0	16,0	36,5
1216348	-0510	5/16"	1/2-20	M10X1.0	18,5	11,0	14,0	17,0	36,5
1207443	-0512	5/16"	1/2-20	M12X1.5	18,5	13,5	17,0	17,0	39,0
1216349	-0514	5/16"	1/2-20	M14X1.5	18,5	13,5	19,0	17,0	40,0
1207444	-0614	3/8"	9/16-18	M14X1.5	18,5	13,5	19,0	19,0	41,0
1216350	-0616	3/8"	9/16-18	M16X1.5	18,5	14,0	22,0	19,0	42,5
1216351	-0818	1/2"	3/4-16	M18X1.5	22,2	15,0	24,0	25,0	45,5
1207629	-1018	5/8"	7/8-14	M18X1.5	25,2	15,0	24,0	27,0	48,2
1216352	-1020	5/8"	7/8-14	M20X1.5	25,2	16,5	24,0	27,0	49,7
1207446	-1022	5/8"	7/8-14	M22X1.5	25,2	15,5	27,0	27,0	50,7
1216353	-1222	3/4"	1 1/16-12	M22X1.5	27,3	15,5	27,0	32,0	53,5
1207447	-1227	3/4"	1 1/16-12	M27X2	27,3	18,5	32,0	32,0	57,5
1216354	-1426	7/8"	1 3/16-12	M26X1.5	27,0	21,0	32,0	36,0	60,0
1216355	-1627	1"	1 5/16-12	M27X2	29,6	18,5	36,0	38,0	60,0
1207448	-1633	1"	1 5/16-12	M33X2.0	29,6	19,0	41,0	38,0	61,0

Dimensions shown may be changed without prior notice

## // R1A25M1525

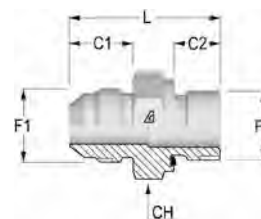
## Straight connector JIC Male - Metric Male with O-Ring



Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH mm	L mm
	Dash				mm	mm		
1207635	-0412	1/4"	7/16-20	M12X1.5	14,0	13,5	17,0	31,5
1207636	-0510	5/16"	1/2-20	M10X1.0	14,0	11,0	14,0	30,5
1224083	-0512	5/16"	1/2-20	M12X1.5	14,0	13,5	17,0	33,5
1207408	-0614	3/8"	9/16-18	M14X1.5	14,0	13,5	19,0	33,5
1207639	-0616	3/8"	9/16-18	M16X1.5	14,0	14,0	22,0	35,0
1211696	-0816	1/2"	3/4-16	M16X1.5	16,5	14,0	22,0	38,0
1207387	-0818	1/2"	3/4-16	M18X1.5	16,5	15,0	24,0	38,5
1225818	-1018	5/8"	7/8-14	M18X1.5	19,5	15,0	24,0	42,0
1212958	-1020	5/8"	7/8-14	M20X1.5	19,5	16,5	24,0	41,5
1207405	-1022	5/8"	7/8-14	M22X1.5	19,5	15,5	27,0	43,0
1207404	-1222	3/4"	1 1/16-12	M22X1.5	22,0	15,5	27,0	45,5
1207403	-1227	3/4"	1 1/16-12	M27X2	22,0	18,5	32,0	49,0
1216402	-1627	1"	1 5/16-12	M27X2	23,0	18,5	36,0	50,5
1207402	-1633	1"	1 5/16-12	M33X2.0	23,0	19,0	41,0	51,0
1207401	-2042	1 1/4"	1 5/8-12	M42X2	24,5	19,0	50,0	55,0
1207400	-2448	1 1/2"	1 7/8-12	M48X2.0	27,5	17,5	55,0	60,0

**// R1A25M152I**

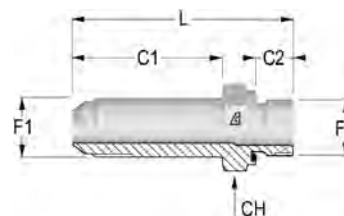
**Straight connector JIC Male - Metric Male with elastomer**



Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH mm	L mm
	Dash				mm	mm		
1207390	-0410	1/4"	7/16-20	M10X1.0	14,0	8,0	14,0	31,0
1212950	-0412	1/4"	7/16-20	M12X1.5	14,0	12,0	17,0	33,5
1212951	-0510	5/16"	1/2-20	M10X1.0	14,0	8,0	14,0	30,5
1207391	-0512	5/16"	1/2-20	M12X1.5	14,0	12,0	17,0	33,5
1208306	-0514	5/16"	1/2-20	M14X1.5	14,0	12,0	19,0	35,0
1207392	-0614	3/8"	9/16-18	M14X1.5	14,0	12,0	19,0	33,5
1212952	-0616	3/8"	9/16-18	M16X1.5	14,0	12,0	22,0	35,5
1207393	-0816	1/2"	3/4-16	M16X1.5	16,5	12,0	22,0	37,5
1207388	-0818	1/2"	3/4-16	M18X1.5	16,5	12,0	24,0	39,0
1207389	-1018	5/8"	7/8-14	M18X1.5	19,5	12,0	24,0	41,5
1212953	-1020	5/8"	7/8-14	M20X1.5	19,5	14,0	24,0	43,5
1207394	-1022	5/8"	7/8-14	M22X1.5	19,5	14,0	27,0	43,0
1207395	-1222	3/4"	1 1/16-12	M22X1.5	22,0	14,0	27,0	45,5
1207396	-1227	3/4"	1 1/16-12	M27X2	22,0	16,0	32,0	49,0
1216405	-1426	7/8"	1 3/16-12	M26X1.5	22,5	16,0	32,0	49,5
1212957	-1627	1"	1 5/16-12	M27X2	23,0	16,0	36,0	55,0
1207397	-1633	1"	1 5/16-12	M33X2.0	23,0	18,0	41,0	51,5
1207398	-2042	1 1/4"	1 5/8-12	M42X2	24,5	20,0	50,0	55,0
1207399	-2448	1 1/2"	1 7/8-12	M48X2.0	27,5	22,0	55,0	60,5

**// R1A25M152H**

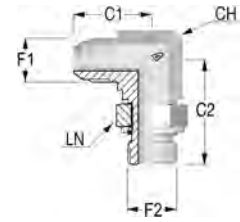
**Long connector JIC Male - Metric Male with elastomer**



Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH mm	L mm
	Dash				mm	mm		
1212934	-0410	1/4"	7/16-20	M10X1.0	35,0	9,5	14,0	51,0
1212935	-0510	5/16"	1/2-20	M10X1.0	37,0	9,5	14,0	53,0
1212936	-0512	5/16"	1/2-20	M12X1.5	37,0	14,0	17,0	55,5
1212937	-0514	5/16"	1/2-20	M14X1.5	37,0	14,0	19,0	56,5
1212938	-0614	3/8"	9/16-18	M14X1.5	39,0	14,0	19,0	58,5
1212939	-0616	3/8"	9/16-18	M16X1.5	39,0	14,0	22,0	60,0
1212940	-0816	1/2"	3/4-16	M16X1.5	48,0	14,0	22,0	69,0
1212941	-0818	1/2"	3/4-16	M18X1.5	48,0	14,5	24,0	70,5
1212942	-1018	5/8"	7/8-14	M18X1.5	53,0	14,5	24,0	75,5
1212943	-1022	5/8"	7/8-14	M22X1.5	53,0	17,0	27,0	78,0
1212944	-1222	3/4"	1 1/16-12	M22X1.5	63,0	17,0	27,0	89,0
1212945	-1227	3/4"	1 1/16-12	M27X2	63,0	19,0	32,0	92,5
1212946	-1627	1"	1 5/16-12	M27X2	72,0	19,0	36,0	102,0
1212947	-1633	1"	1 5/16-12	M33X2.0	72,0	21,0	41,0	102,5
1212948	-2042	1 1/4"	1 5/8-12	M42X2	88,0	23,0	50,0	121,0
1212949	-2448	1 1/2"	1 7/8-12	M48X2.0	88,0	25,0	55,0	136,0



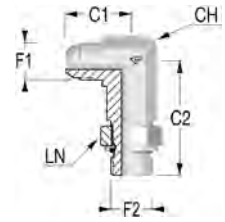
Dimensions shown may be changed without prior notice

**// R1A25M952Q****90° adjustable elbow connector JIC Male - Metric Male with O-Ring and retaining ring**

Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in						
1207275	-0410	1/4"	7/16-20	M10X1.0	22,5	27,5	12,0	14,0
1213138	-0412	1/4"	7/16-20	M12X1.5	27,0	31,5	14,0	17,0
1213140	-0510	5/16"	1/2-20	M10X1.0	24,0	27,5	14,0	14,0
1207276	-0512	5/16"	1/2-20	M12X1.5	27,0	31,5	14,0	17,0
1213141	-0514	5/16"	1/2-20	M14X1.5	27,0	32,5	14,0	19,0
1207277	-0614	3/8"	9/16-18	M14X1.5	27,0	32,5	14,0	19,0
1213142	-0616	3/8"	9/16-18	M16X1.5	28,5	36,5	17,0	22,0
1207278	-0816	1/2"	3/4-16	M16X1.5	31,5	36,5	19,0	22,0
1207523	-0818	1/2"	3/4-16	M18X1.5	31,5	39,5	19,0	24,0
1207279	-1018	5/8"	7/8-14	M18X1.5	36,5	41,5	22,0	24,0
1213144	-1020	5/8"	7/8-14	M20X1.5	36,5	43,0	22,0	27,0
1207280	-1022	5/8"	7/8-14	M22X1.5	36,5	43,0	22,0	27,0
1207281	-1222	3/4"	1 1/16-12	M22X1.5	42,0	45,5	27,0	27,0
1210693	-1227	3/4"	1 1/16-12	M27X2	42,0	51,5	27,0	32,0
1213145	-1426	7/8"	1 3/16-12	M26X1.5	44,0	50,5	27,0	36,0
1213146	-1627	1"	1 5/16-12	M27X2	46,0	55,0	33,0	32,0
1207282	-1633	1"	1 5/16-12	M33X1.5	46,0	55,0	33,0	41,0
1211742	-2042	1"1/4	1 5/8-12	M42X2	52,0	60,0	41,0	50,0
1213147	-2448	1"1/2	1 7/8-12	M48X1.5	59,0	67,0	48,0	55,0

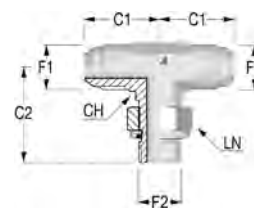
## // R1A25M952Y

90° adjustable long elbow connector JIC Male - Metric Male with O-Ring and retaining ring

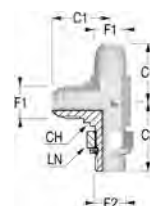


Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in			mm	mm	mm	mm
1213148	-0410	1/4"	7/16-20	M10X1.0	22,5	46,0	12,0	14,0
1213149	-0412	1/4"	7/16-20	M12X1.5	27,0	53,5	14,0	17,0
1213150	-0510	5/16"	1/2-20	M10X1.0	24,0	49,5	14,0	14,0
1213151	-0512	5/16"	1/2-20	M12X1.5	27,0	53,5	14,0	17,0
1213152	-0514	5/16"	1/2-20	M14X1.5	27,0	56,5	14,0	19,0
1213153	-0614	3/8"	9/16-18	M14X1.5	27,0	56,5	14,0	19,0
1213154	-0616	3/8"	9/16-18	M16X1.5	28,5	67,0	17,0	22,0
1213155	-0816	1/2"	3/4-16	M16X1.5	31,5	67,0	19,0	22,0
1213156	-0818	1/2"	3/4-16	M18X1.5	31,5	67,0	19,0	24,0
1213157	-1018	5/8"	7/8-14	M18X1.5	36,5	75,0	22,0	24,0
1213158	-1020	5/8"	7/8-14	M20X1.5	36,5	78,0	22,0	27,0
1213159	-1022	5/8"	7/8-14	M22X1.5	36,5	78,0	22,0	27,0
1213160	-1222	3/4"	1 1/16-12	M22X1.5	42,0	88,0	27,0	27,0
1213161	-1227	3/4"	1 1/16-12	M27X2	42,0	95,0	27,0	32,0
1216432	-1426	7/8"	1 3/16-12	M26X1.5	44,0	97,0	27,0	36,0
1213162	-1627	1"	1 5/16-12	M27X2	46,0	105,0	33,0	32,0
1213163	-1633	1"	1 5/16-12	M33X1.5	46,0	105,0	33,0	41,0
1213164	-2042	1"1/4	1 5/8-12	M42X2	52,0	124,0	41,0	50,0
1213165	-2448	1"1/2	1 7/8-12	M48X1.5	59,0	141,0	48,0	55,0

Dimensions shown may be changed without prior notice

**// R1A25MT52Q****Branch Tee adjustable elbow connector JIC Male - Metric Male with O-Ring and retaining ring**

Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in						
1211640	-0410	1/4"	7/16-20	M10X1.0	22,5	27,5	12,0	14,0
1212815	-0412	1/4"	7/16-20	M12X1.5	27,0	31,5	14,0	17,0
1212816	-0510	5/16"	1/2-20	M10X1.0	24,0	27,5	14,0	14,0
1210706	-0512	5/16"	1/2-20	M12X1.5	27,0	31,5	14,0	17,0
1212817	-0514	5/16"	1/2-20	M14X1.5	27,0	32,5	14,0	19,0
1207324	-0614	3/8"	9/16-18	M14X1.5	27,0	32,5	14,0	19,0
1212818	-0616	3/8"	9/16-18	M16X1.5	28,5	36,5	17,0	22,0
1210707	-0816	1/2"	3/4-16	M16X1.5	31,5	36,5	19,0	22,0
1212819	-0818	1/2"	3/4-16	M18X1.5	31,5	39,5	19,0	24,0
1212820	-1020	5/8"	7/8-14	M20X1.5	36,5	43,0	22,0	27,0
1211641	-1022	5/8"	7/8-14	M22X1.5	36,5	43,0	22,0	27,0
1212821	-1222	3/4"	1 1/16-12	M22X1.5	42,0	45,5	27,0	27,0
1211642	-1227	3/4"	1 1/16-12	M27X1.5	42,0	51,5	27,0	32,0
1216493	-1426	7/8"	1 3/16-12	M26X1.5	44,0	50,5	27,0	36,0
1212822	-1627	1"	1 5/16-12	M27X2	46,0	55,0	33,0	32,0
1211643	-1633	1"	1 5/16-12	M33X1.5	46,0	55,0	33,0	41,0
1211644	-2042	1"1/4	1 5/8-12	M42X2	52,0	60,0	41,0	50,0
1211645	-2448	1"1/2	1 7/8-12	M48X1.5	59,0	67,0	48,0	55,0

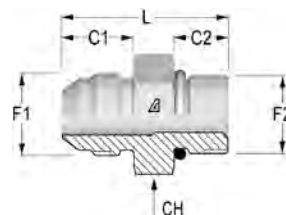
**// R1A25ML52Q****Run Tee adjustable elbow connector JIC Male - Metric Male with O-Ring and retaining ring**

Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in						
1210699	-0410	1/4"	7/16-20	M10X1.0	22,5	27,5	12,0	14,0
1212753	-0412	1/4"	7/16-20	M12X1.5	27,0	31,5	14,0	17,0
1212754	-0510	5/16"	1/2-20	M10X1.0	24,0	27,5	14,0	14,0
1211626	-0512	5/16"	1/2-20	M12X1.5	27,0	31,5	14,0	17,0
1212755	-0514	5/16"	1/2-20	M14X1.5	27,0	32,5	14,0	19,0
1207303	-0614	3/8"	9/16-18	M14X1.5	27,0	32,5	14,0	19,0
1212756	-0616	3/8"	9/16-18	M16X1.5	28,5	36,5	17,0	22,0
1207302	-0816	1/2"	3/4-16	M16X1.5	31,5	36,5	19,0	22,0
1212757	-0818	1/2"	3/4-16	M18X1.5	31,5	39,5	19,0	24,0
1212758	-1018	5/8"	7/8-14	M18X1.5	36,5	41,5	22,0	24,0
1212759	-1020	5/8"	7/8-14	M20X1.5	36,5	43,0	22,0	27,0
1210700	-1022	5/8"	7/8-14	M22X1.5	36,5	43,0	22,0	27,0
1212760	-1222	3/4"	1 1/16-12	M22X1.5	42,0	45,5	27,0	27,0
1211627	-1227	3/4"	1 1/16-12	M27X2	42,0	51,5	27,0	32,0
1216448	-1426	7/8"	1 3/16-12	M26X1.5	44,0	50,5	27,0	36,0
1212761	-1627	1"	1 5/16-12	M27X2	46,0	55,0	33,0	32,0
1211628	-1633	1"	1 5/16-12	M33X1.5	46,0	55,0	33,0	41,0
1211629	-2042	1"1/4	1 5/8-12	M42X2	52,0	60,0	41,0	50,0
1211630	-2448	1"1/2	1 7/8-12	M48X1.5	59,0	67,0	48,0	55,0

## // SAE UNF

### // R1A25M1305

**Straight connector JIC Male - SAE UNF/UN Male with O-Ring**

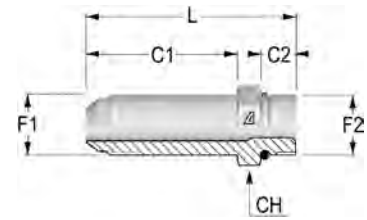


Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	L
	Dash	in			mm	mm		
1207370	-0404	1/4"	7/16-20	7/16-20	14,0	9,0	14,0	31,0
1207371	-0405	1/4"	7/16-20	1/2-20	14,0	9,0	16,0	31,0
1207630	-0406	1/4"	7/16-20	9/16-18	14,0	10,0	17,0	32,5
1207372	-0505	5/16"	1/2-20	1/2-20	14,0	9,0	17,0	31,0
1208278	-0604	3/8"	9/16-18	7/16-20	14,0	9,0	17,0	32,0
1216397	-0605	3/8"	9/16-18	1/2-20	14,0	9,0	17,0	32,5
1207373	-0606	3/8"	9/16-18	9/16-18	14,0	10,0	17,0	33,0
1207374	-0608	3/8"	9/16-18	3/4-16	14,0	11,0	22,0	35,0
1207375	-0808	1/2"	3/4-16	3/4-16	16,5	11,0	22,0	38,0
1207376	-0810	1/2"	3/4-16	7/8-14	16,5	12,5	27,0	40,5
1207631	-0812	1/2"	3/4-16	1 1/16-12	16,5	15,0	32,0	44,5
1207632	-1008	5/8"	7/8-14	3/4-16	19,5	14,3	27,0	41,5
1207377	-1010	5/8"	7/8-14	7/8-14	19,5	12,5	27,0	43,0
1207633	-1012	5/8"	7/8-14	1 1/16-12	19,5	15,0	32,0	47,0
1207378	-1208	3/4"	1 1/16-12	3/4-16	22,0	14,3	27,0	48,5
1207379	-1210	3/4"	1 1/16-12	7/8-14	22,0	12,5	27,0	47,5
1207380	-1212	3/4"	1 1/16-12	1 1/16-12	22,0	15,0	32,0	50,0
1207381	-1216	3/4"	1 1/16-12	1 5/16-12	22,0	15,0	38,0	50,5
1216398	-1414	7/8"	1 3/16-12	1 3/16-12	22,5	15,0	36,0	50,5
1207382	-1612	1"	1 5/16-12	1 1/16-12	23,0	18,3	36,0	50,5
1207383	-1616	1"	1 5/16-12	1 5/16-12	23,0	15,0	38,0	52,0
1207634	-1620	1"	1 5/16-12	1 5/8-12	23,0	15,0	46,0	54,0
1205938	-2016	1 1/4"	1 5/8-12	1 5/16-12	24,5	19,1	46,0	55,5
1207384	-2020	1 1/4"	1 5/8-12	1 5/8-12	24,5	15,0	46,0	55,0
1207385	-2424	1 1/2"	1 7/8-12	1 7/8-12	27,5	15,0	55,0	60,5

Dimensions shown may be changed without prior notice

## // R1A25M130J

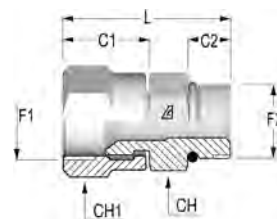
## Long connector JIC Male - SAE UNF/UN Male with O-Ring



Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH mm	L mm
	Dash				mm	mm		
1212883	-0404	1/4"	7/16-20	7/16-20	35,0	9,0	17,0	52,5
1212884	-0405	1/4"	7/16-20	1/2-20	35,0	9,0	17,0	52,5
1212885	-0406	1/4"	7/16-20	9/16-18	35,0	10,0	19,0	54,5
1212886	-0505	5/16"	1/2-20	1/2-20	37,0	9,0	16,0	54,5
1212888	-0606	3/8"	9/16-18	9/16-18	39,0	10,0	19,0	58,5
1212889	-0608	3/8"	9/16-18	3/4-16	39,0	11,0	24,0	60,0
1212890	-0808	1/2"	3/4-16	3/4-16	48,0	11,0	24,0	68,5
1212891	-0810	1/2"	3/4-16	7/8-14	48,0	12,5	27,0	71,5
1212892	-0812	1/2"	3/4-16	1 1/16-12	48,0	15,0	32,0	71,5
1212893	-1008	5/8"	7/8-14	3/4-16	53,0	11,0	27,0	75,5
1212894	-1010	5/8"	7/8-14	7/8-14	53,0	12,5	27,0	77,0
1212895	-1012	5/8"	7/8-14	1 1/16-12	53,0	15,0	32,0	81,5
1212898	-1212	3/4"	1 1/16-12	1 1/16-12	63,0	15,0	32,0	91,5
1212899	-1216	3/4"	1 1/16-12	1 5/16-12	63,0	15,0	41,0	92,5
1216400	-1414	7/8"	1 3/16-12	1 3/16-12	68,0	15,0	36,0	96,5
1212900	-1612	1"	1 5/16-12	1 1/16-12	72,0	15,0	41,0	100,0
1212901	-1616	1"	1 5/16-12	1 5/16-12	72,0	15,0	41,0	101,0
1212903	-2020	1"1/4	1 5/8-12	1 5/8-12	88,0	15,0	50,0	119,0
1212904	-2424	1"1/2	1 7/8-12	1 7/8-12	98,0	15,0	55,0	131,0

**// R1A2511305**

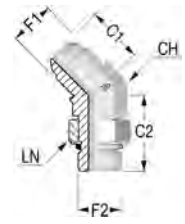
**Straight connector JIC Female - SAE UNF/UN Male with O-Ring**



Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	CH1	L
	Dash/mm								
1207435	-0404	1/4"	7/16-20	7/16-20	17,0	9,0	14,0	16,0	34,0
1213175	-0405	1/4"	7/16-20	1/2-20	17,0	9,0	16,0	16,0	34,0
1213176	-0406	1/4"	7/16-20	9/16-18	17,0	10,0	17,0	16,0	35,0
1207436	-0505	5/16"	1/2-20	1/2-20	18,5	9,0	17,0	17,0	35,5
1207437	-0606	3/8"	9/16-18	9/16-18	18,5	10,0	17,0	19,0	36,5
1213177	-0608	3/8"	9/16-18	3/4-16	18,5	11,0	22,0	19,0	39,5
1207438	-0808	1/2"	3/4-16	3/4-16	22,2	11,0	22,0	25,0	43,2
1213178	-0810	1/2"	3/4-16	7/8-14	22,2	12,5	27,0	27,0	46,2
1213179	-0812	1/2"	3/4-16	1 1/16-12	22,2	15,0	32,0	25,0	49,2
1213180	-1008	5/8"	7/8-14	3/4-16	25,2	11,0	22,0	27,0	46,2
1207439	-1010	5/8"	7/8-14	7/8-14	25,2	12,5	27,0	27,0	49,2
1213181	-1012	5/8"	7/8-14	1 1/16-12	25,2	15,0	32,0	27,0	52,2
1213183	-1210	3/4"	1 1/16-12	7/8-14	27,3	12,5	27,0	32,0	51,3
1207440	-1212	3/4"	1 1/16-12	1 1/16-12	27,3	15,0	32,0	32,0	54,3
1213184	-1216	3/4"	1 1/16-12	1 5/16-12	27,3	15,0	38,0	32,0	54,3
1216346	-1414	7/8"	1 3/16-12	1 3/16-12	27,0	15,0	36,0	36,0	54,0
1213185	-1612	1"	1 5/16-12	1 1/16-12	29,6	15,0	32,0	38,0	56,6
1207441	-1616	1"	1 5/16-12	1 5/16-12	29,6	15,0	41,0	38,0	56,6
1213208	-2424	1 1/2"	1 7/8-12	1 7/8-12	18,4	15,0	50,0	55,0	67,0

Dimensions shown may be changed without prior notice

## // R1A25M4305

**45° adjustable elbow connector JIC Male - SAE UNF/UN Male with O-Ring**

Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in						
1212979	-0405	1/4"	7/16-20	1/2-20	21,0	26,5	14,0	19,0
1207335	-0505	5/16"	1/2-20	1/2-20	21,0	26,5	14,0	19,0
1207336	-0606	3/8"	9/16-18	9/16-18	19,5	26,5	14,0	22,0
1212980	-0608	3/8"	9/16-18	3/4-16	22,5	38,0	19,0	24,0
1207337	-0808	1/2"	3/4-16	3/4-16	25,0	33,0	19,0	24,0
1212981	-0810	1/2"	3/4-16	7/8-14	27,5	42,5	22,0	30,0
1212982	-1008	5/8"	7/8-14	3/4-16	28,0	37,0	22,0	24,0
1207338	-1010	5/8"	7/8-14	7/8-14	28,0	38,5	22,0	30,0
1216413	-1012	5/8"	7/8-14	1 1/16-12	28,5	44,0	27,0	36,0
1212983	-1208	3/4"	1 1/16-12	3/4-16	32,5	37,5	27,0	24,0
1211710	-1210	3/4"	1 1/16-12	7/8-14	32,5	40,5	27,0	27,0
1207339	-1212	3/4"	1 1/16-12	1 1/16-12	32,5	44,0	27,0	36,0
1212984	-1216	3/4"	1 1/16-12	1 5/16-12	32,5	47,0	33,0	41,0
1212985	-1414	7/8"	1 3/16-12	1 3/16-12	37,0	47,0	33,0	38,0
1212986	-1612	1"	1 5/16-12	1 1/16-12	37,5	44,0	33,0	36,0
1207340	-1616	1"	1 5/16-12	1 5/16-12	37,5	47,0	33,0	41,0
1212987	-1620	1"	1 5/16-12	1 5/8-12	40,0	48,5	41,0	50,0
1211711	-2020	1"1/4	1 5/8-12	1 5/8-12	40,5	48,5	41,0	50,0
1211712	-2424	1"1/2	1 7/8-12	1 7/8-12	45,0	48,5	48,0	55,0

**// R1A25M9305**

**90° adjustable elbow connector JIC Male - SAE UNF/UN Male with O-Ring**



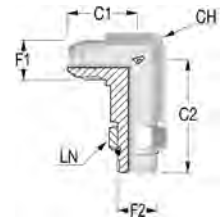
Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in						
1207256	-0404	1/4"	7/16-20	7/16-20	22,5	26,0	12,0	17,0
1207640	-0405	1/4"	7/16-20	1/2-20	24,0	27,5	14,0	17,0
1213077	-0406	1/4"	7/16-20	9/16-18	27,0	31,5	14,0	19,0
1207257	-0505	5/16"	1/2-20	1/2-20	24,0	27,5	14,0	17,0
1207258	-0606	3/8"	9/16-18	9/16-18	27,0	31,5	14,0	19,0
1207641	-0608	3/8"	9/16-18	3/4-16	28,5	36,5	19,0	24,0
1216429	-0610	3/8"	9/16-18	7/8-14	31,0	43,5	22,0	27,0
1207259	-0808	1/2"	3/4-16	3/4-16	31,5	36,5	19,0	24,0
1207642	-0810	1/2"	3/4-16	7/8-14	34,0	43,0	22,0	27,0
1213079	-0812	1/2"	3/4-16	1 1/16-12	37,0	49,0	27,0	32,0
1207643	-1008	5/8"	7/8-14	3/4-16	36,5	39,5	22,0	24,0
1207260	-1010	5/8"	7/8-14	7/8-14	36,5	43,0	22,0	27,0
1213080	-1012	5/8"	7/8-14	1 1/16-12	39,5	49,0	27,0	32,0
1213081	-1208	3/4"	1 1/16-12	3/4-16	42,0	42,0	27,0	22,0
1207261	-1210	3/4"	1 1/16-12	7/8-14	42,0	45,5	27,0	27,0
1207262	-1212	3/4"	1 1/16-12	1 1/16-12	42,0	49,0	27,0	32,0
1213082	-1216	3/4"	1 1/16-12	1 5/16-12	44,5	52,0	33,0	41,0
1213083	-1414	7/8"	1 3/16-12	1 3/16-12	44,0	50,5	33,0	41,0
1207263	-1612	1"	1 5/16-12	1 1/16-12	46,0	52,0	33,0	32,0
1207264	-1616	1"	1 5/16-12	1 5/16-12	46,0	54,0	33,0	41,0
1213084	-1620	1"	1 5/16-12	1 5/8-12	51,0	57,0	41,0	50,0
1207265	-2020	1"1/4	1 5/8-12	1 5/8-12	52,0	57,0	41,0	50,0
1211738	-2424	1"1/2	1 7/8-12	1 7/8-12	59,0	61,0	48,0	55,0



Dimensions shown may be changed without prior notice

## // R1A25M930J

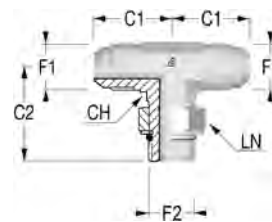
90° adjustable long elbow connector JIC Male - SAE UNF/UN  
Male with O-Ring



Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in						
1213056	-0404	1/4"	7/16-20	7/16-20	23,5	46,0	14,0	17,0
1213057	-0405	1/4"	7/16-20	1/2-20	24,0	49,5	14,0	17,0
1213058	-0406	1/4"	7/16-20	9/16-18	27,0	56,5	17,0	19,0
1213059	-0505	5/16"	1/2-20	1/2-20	24,0	49,5	14,0	17,0
1213060	-0606	3/8"	9/16-18	9/16-18	27,0	56,5	17,0	19,0
1213061	-0608	3/8"	9/16-18	3/4-16	28,5	67,0	22,0	24,0
1213062	-0808	1/2"	3/4-16	3/4-16	31,5	67,0	22,0	24,0
1213063	-0810	1/2"	3/4-16	7/8-14	34,0	78,0	22,0	27,0
1213064	-0812	1/2"	3/4-16	1 1/16-12	37,0	92,0	27,0	32,0
1213065	-1008	5/8"	7/8-14	3/4-16	36,5	75,0	22,0	24,0
1213066	-1010	5/8"	7/8-14	7/8-14	36,5	78,0	22,0	27,0
1213067	-1012	5/8"	7/8-14	1 1/16-12	39,5	92,0	27,0	32,0
1213068	-1208	3/4"	1 1/16-12	3/4-16	42,0	85,0	27,0	24,0
1213069	-1210	3/4"	1 1/16-12	7/8-14	44,6	88,0	27,0	27,0
1213070	-1212	3/4"	1 1/16-12	1 1/16-12	42,0	92,0	27,0	32,0
1213071	-1216	3/4"	1 1/16-12	1 5/16-12	44,5	105,0	33,0	41,0
1216431	-1414	7/8"	1 3/16-12	1 3/16-12	44,0	92,0	33,0	41,0
1213072	-1612	1"	1 5/16-12	1 1/16-12	46,0	105,0	33,0	32,0
1213073	-1616	1"	1 5/16-12	1 5/16-12	46,0	105,0	33,0	41,0
1213074	-1620	1"	1 5/16-12	1 5/8-12	51,0	124,0	41,0	50,0
1213075	-2020	1"1/4	1 5/8-12	1 5/8-12	52,0	124,0	41,0	50,0
1213076	-2424	1"1/2	1 7/8-12	1 7/8-12	59,0	135,0	48,0	55,0

**// R1A25MT305**

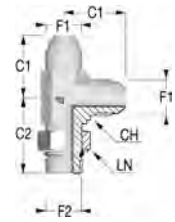
**Branch Tee adjustable elbow connector JIC Male - SAE UNF/UN  
Male with O-Ring**



Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in			mm	mm	mm	mm
1210702	-0404	1/4"	7/16-20	7/16-20	22,5	26,0	12,0	16,0
1212777	-0405	1/4"	7/16-20	1/2-20	24,0	27,5	14,0	17,0
1212778	-0406	1/4"	7/16-20	9/16-18	27,0	31,5	14,0	19,0
1210703	-0505	5/16"	1/2-20	1/2-20	24,0	27,5	14,0	17,0
1207321	-0606	3/8"	9/16-18	9/16-18	27,0	31,5	14,0	19,0
1212779	-0608	3/8"	9/16-18	3/4-16	28,5	36,5	19,0	24,0
1207322	-0808	1/2"	3/4-16	3/4-16	31,5	36,5	19,0	24,0
1212780	-0810	1/2"	3/4-16	7/8-14	34,0	43,0	22,0	27,0
1212781	-0812	1/2"	3/4-16	1 1/16-12	37,0	49,0	27,0	32,0
1212782	-1008	5/8"	7/8-14	3/4-16	36,5	39,5	22,0	24,0
1207323	-1010	5/8"	7/8-14	7/8-14	36,5	43,0	22,0	27,0
1212783	-1012	5/8"	7/8-14	1 1/16-12	36,5	49,0	22,0	32,0
1212784	-1208	3/4"	1 1/16-12	3/4-16	42,0	42,0	27,0	24,0
1212785	-1210	3/4"	1 1/16-12	7/8-14	42,0	45,5	27,0	27,0
1210704	-1212	3/4"	1 1/16-12	1 1/16-12	42,0	49,0	27,0	32,0
1212786	-1216	3/4"	1 1/16-12	1 5/16-12	44,5	52,0	33,0	41,0
1216491	-1414	7/8"	1 3/16-12	1 3/16-12	44,0	50,5	33,0	38,0
1212787	-1612	1"	1 5/16-12	1 1/16-12	46,0	52,0	33,0	32,0
1210705	-1616	1"	1 5/16-12	1 5/16-12	46,0	54,6	33,0	41,0
1212788	-1620	1"	1 5/16-12	1 5/8-12	51,0	57,0	41,0	50,0
1212789	-2020	1"1/4	1 5/8-12	1 5/8-12	52,0	57,0	41,0	50,0
1212790	-2424	1"1/2	1 7/8-12	1 7/8-12	59,0	61,0	48,0	55,0

Dimensions shown may be changed without prior notice

## // R1A25ML305

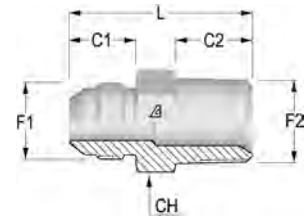
**Run Tee adjustable elbow connector JIC Male - SAE UNF/UN  
Male with O-Ring**

Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in			mm	mm		
1210695	-0404	1/4"	7/16-20	7/16-20	22,5	26,0	12,0	17,0
1212716	-0405	1/4"	7/16-20	1/2-20	24,0	27,5	14,0	17,0
1212717	-0406	1/4"	7/16-20	9/16-18	27,0	31,5	14,0	22,0
1210696	-0505	5/16"	1/2-20	1/2-20	24,0	27,5	14,0	19,0
1207300	-0606	3/8"	9/16-18	9/16-18	27,0	31,5	14,0	22,0
1212718	-0608	3/8"	9/16-18	3/4-16	28,5	36,5	19,0	24,0
1210697	-0808	1/2"	3/4-16	3/4-16	31,5	36,5	19,0	24,0
1212719	-0810	1/2"	3/4-16	7/8-14	34,0	43,0	22,0	30,0
1212720	-0812	1/2"	3/4-16	1 1/16-12	37,0	49,0	27,0	32,0
1212721	-1008	5/8"	7/8-14	3/4-16	36,5	39,5	22,0	24,0
1210698	-1010	5/8"	7/8-14	7/8-14	36,5	39,5	22,0	24,0
1212722	-1012	5/8"	7/8-14	1 1/16-12	39,5	49,0	27,0	32,0
1212723	-1208	3/4"	1 1/16-12	3/4-16	42,0	42,0	27,0	24,0
1212724	-1210	3/4"	1 1/16-12	7/8-14	42,0	45,5	27,0	27,0
1207301	-1212	3/4"	1 1/16-12	1 1/16-12	42,0	49,0	27,0	32,0
1212725	-1216	3/4"	1 1/16-12	1 5/16-12	44,5	52,0	33,0	41,0
1211624	-1616	1"	1 5/16-12	1 5/16-12	46,0	54,6	33,0	41,0
1212727	-1620	1"	1 5/16-12	1 5/8-12	51,0	57,0	41,0	50,0
1211625	-2020	1"1/4	1 5/8-12	1 5/8-12	52,0	57,0	41,0	50,0
1212728	-2424	1"1/2	1 7/8-12	1 7/8-12	59,0	61,0	48,0	55,0

**// NPTF**

**// R1A25M128M**

**Straight connector JIC - NPTF Male**

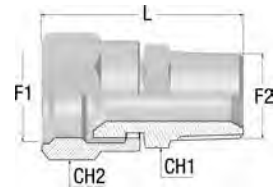


Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1 mm	C2 mm	CH mm	L mm
	Dash							
1203679	-0402	1/4"	7/16-20	1/8-27	14,0	10,0	14,0	31,0
1203678	-0404	1/4"	7/16-20	1/4-18	14,0	14,5	14,0	36,0
1203621	-0502	5/16"	1/2-20	1/8-27	14,0	10,0	14,0	31,0
1203620	-0504	5/16"	1/2-20	1/4-18	14,0	14,5	14,0	36,0
1203704	-0602	3/8"	9/16-18	1/8-27	14,0	10,0	17,0	32,0
1203703	-0604	3/8"	9/16-18	1/4-18	14,0	14,5	17,0	36,5
1203705	-0606	3/8"	9/16-18	3/8-18	14,0	14,5	19,0	36,5
1203702	-0608	3/8"	9/16-18	1/2-14	14,0	18,0	22,0	43,0
1203659	-0804	1/2"	3/4-16	1/4-18	16,5	14,5	19,0	39,0
1203661	-0806	1/2"	3/4-16	3/8-18	16,5	14,5	19,0	39,0
1203658	-0808	1/2"	3/4-16	1/2-14	16,5	18,0	22,0	44,5
1203660	-0812	1/2"	3/4-16	3/4-14	16,5	19,0	27,0	47,0
1212881	-1004	5/8"	7/8-14	1/4-18	19,5	14,5	24,0	43,0
1203691	-1006	5/8"	7/8-14	3/8-18	19,5	14,5	24,0	43,5
1203689	-1008	5/8"	7/8-14	1/2-14	19,5	18,0	24,0	47,0
1203690	-1012	5/8"	7/8-14	3/4-14	19,5	19,0	27,0	49,5
1203608	-1208	3/4"	1 1/16-12	1/2-14	22,0	18,0	27,0	51,5
1203609	-1212	3/4"	1 1/16-12	3/4-14	22,0	19,0	27,0	52,5
1203607	-1216	3/4"	1 1/16-12	1-11 1/2	22,0	24,0	36,0	57,0
1216396	-1412	7/8"	1 3/16-12	3/4-14	22,5	19,0	30,0	53,0
1203633	-1612	1"	1 5/16-12	3/4-14	23,0	19,0	36,0	53,5
1203631	-1616	1"	1 5/16-12	1-11 1/2	23,0	24,0	36,0	58,5
1203642	-2016	1"1/4	1 5/8-12	1-11 1/2	24,5	24,0	46,0	61,5
1203643	-2020	1"1/4	1 5/8-12	1 1/4-11 1/2	24,5	25,0	46,0	62,5
1212882	-2420	1"1/2	1 7/8-12	1 1/4-11 1/2	27,5	25,0	50,0	67,5
1203649	-2424	1"1/2	1 7/8-12	1 1/2-11 1/2	27,5	25,5	50,0	68,0

Dimensions shown may be changed without prior notice

## // R1A251128M

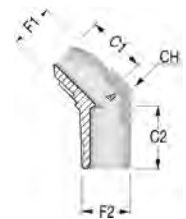
## Straight connector JIC Female - NPTF Male



Item Code	Head 1 / Head 2	OD1 in	F1	F2	CH1	CH2	L mm
	Dash				mm	mm	
1210848	-0402	1/4"	7/16-20	1/8-27	16,0	14,0	34,2
1207618	-0404	1/4"	7/16-20	1/4-18	16,0	14,0	39,2
1213170	-0502	5/16"	1/2-20	1/8-27	17,0	14,0	35,0
1207619	-0504	5/16"	1/2-20	1/4-18	17,0	14,0	41,0
1213171	-0602	3/8"	9/16-18	1/8-27	19,0	14,0	36,5
1207620	-0604	3/8"	9/16-18	1/4-18	19,0	14,0	41,0
1207621	-0606	3/8"	9/16-18	3/8-18	19,0	19,0	41,5
1213173	-0804	1/2"	3/4-16	1/4-18	25,0	19,0	44,0
1207622	-0806	1/2"	3/4-16	3/8-18	25,0	19,0	43,2
1207624	-1008	5/8"	7/8-14	1/2-14	27,0	22,0	49,7
1213174	-1012	5/8"	7/8-14	3/4-14	27,0	27,0	52,5
1207625	-1208	3/4"	1 1/16-12	1/2-14	32,0	27,0	54,3
1207626	-1212	3/4"	1 1/16-12	3/4-14	32,0	27,0	55,3
1216345	-1412	7/8"	1 3/16-12	3/4-14	36,0	30,0	55,2
1207627	-1612	1"	1 5/16-12	3/4-14	38,0	32,0	58,6
1207628	-1616	1"	1 5/16-12	1-11 1/2	38,0	36,0	64,0
1213206	-2020	1 1/4"	1 5/8-12	1 1/4-11 1/2	50,0	46,0	69,4

## // R1A25M428M

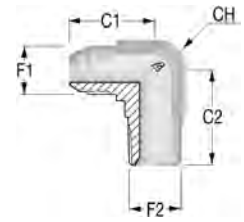
## 45° elbow connector JIC - NPTF Male



Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH mm
	Dash				mm	mm	
1203920	-0402	1/4"	7/16-20	1/8-27	19,0	16,0	12,0
1203919	-0404	1/4"	7/16-20	1/4-18	21,0	21,5	14,0
1210674	-0504	5/16"	1/2-20	1/4-18	21,0	21,5	14,0
1203925	-0604	3/8"	9/16-18	1/4-18	21,0	21,5	14,0
1203927	-0606	3/8"	9/16-18	3/8-18	22,0	24,0	19,0
1203916	-0806	1/2"	3/4-16	3/8-18	25,0	24,0	19,0
1203915	-0808	1/2"	3/4-16	1/2-14	25,5	29,5	22,0
1212975	-1006	5/8"	7/8-14	3/8-18	28,0	24,5	22,0
1203923	-1008	5/8"	7/8-14	1/2-14	28,0	29,0	22,0
1212976	-1012	5/8"	7/8-14	3/4-14	30,0	30,5	27,0
1203907	-1208	3/4"	1 1/16-12	1/2-14	32,5	30,5	27,0
1203908	-1212	3/4"	1 1/16-12	3/4-14	32,5	30,5	27,0
1203913	-1616	1"	1 5/16-12	1-11 1/2	37,0	37,5	33,0

## // R1A25M928M

## 90° elbow connector JIC - NPTF Male



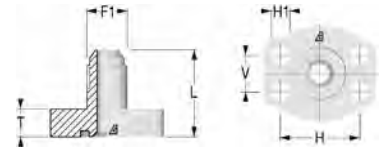
Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH
	Dash	in			mm	mm	mm
1203872	-0402	1/4"	7/16-20	1/8-27	22,5	19,5	12,0
1203871	-0404	1/4"	7/16-20	1/4-18	27,0	27,5	14,0
1203838	-0502	5/16"	1/2-20	1/8-27	24,0	19,5	14,0
1203837	-0504	5/16"	1/2-20	1/4-18	26,5	27,5	14,0
1203889	-0604	3/8"	9/16-18	1/4-18	27,0	27,5	14,0
1203891	-0606	3/8"	9/16-18	3/8-18	28,5	31,0	19,0
1203888	-0608	3/8"	9/16-18	1/2-14	31,0	37,0	22,0
1203861	-0806	1/2"	3/4-16	3/8-18	31,5	31,0	19,0
1203858	-0808	1/2"	3/4-16	1/2-14	34,0	37,5	22,0
1203860	-0812	1/2"	3/4-16	3/4-14	37,0	40,5	27,0
1203878	-1008	5/8"	7/8-14	1/2-14	36,5	37,0	22,0
1203879	-1012	5/8"	7/8-14	3/4-14	39,5	40,5	27,0
1203831	-1208	3/4"	1 1/16-12	1/2-14	42,0	40,5	27,0
1203832	-1212	3/4"	1 1/16-12	3/4-14	42,0	40,5	27,0
1203843	-1616	1"	1 5/16-12	1-11 1/2	46,0	50,0	33,0
1203851	-2016	1"1/4	1 5/8-12	1-11 1/2	52,0	59,0	41,0
1203852	-2020	1"1/4	1 5/8-12	1 1/4-11 1/2	52,0	60,0	41,0

Dimensions shown may be changed without prior notice

## // FLANGES

## // R1A25M133W

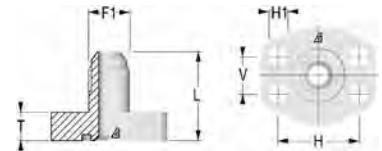
Straight flange SAE J518 code 61 - JIC - Low pressure



Item Code	Head / Flange	OD1	F1	Flange Size	L	T	H	V	H1
	Dash								
1212906	-0808	1/2"	3/4-16	1/2	41,0	14,0	38,1	17,5	9,0
1212907	-1008	5/8"	7/8-14	1/2	44,0	14,0	38,1	17,5	9,0
1212908	-1012	5/8"	7/8-14	3/4	47,0	15,0	47,6	22,2	11,0
1212909	-1208	3/4"	1 1/16-12	1/2	46,0	14,0	38,1	17,5	9,0
1212910	-1212	3/4"	1 1/16-12	3/4	49,0	15,0	47,6	22,2	11,0
1212911	-1216	3/4"	1 1/16-12	1	51,0	17,0	52,4	26,2	11,0
1212912	-1612	1"	1 5/16-12	3/4	50,0	15,0	47,6	22,2	11,0
1212913	-1616	1"	1 5/16-12	1	52,0	17,0	52,4	26,2	11,0
1212914	-1620	1"	1 5/16-12	3/4	56,0	21,0	58,7	30,2	11,5
1212915	-2016	1"1/4	1 5/8-12	1	54,0	17,0	52,4	26,2	11,0
1212916	-2020	1"1/4	1 5/8-12	1 1/4	58,0	21,0	58,4	30,2	11,5
1212917	-2024	1"1/4	1 5/8-12	1	64,0	24,0	69,9	35,7	13,5
1212918	-2420	1"1/2	1 7/8-12	1 1/4	61,0	21,0	58,4	30,2	11,5
1212919	-2424	1"1/2	1 7/8-12	1 1/2	67,0	24,0	69,9	35,7	13,5

## // R1A25M136W

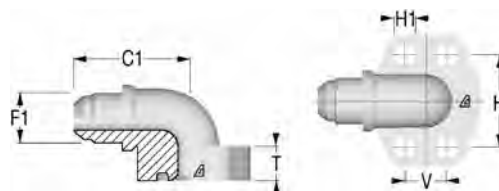
Straight flange SAE J518 code 62 - JIC - High pressure



Item Code	Head / Flange	OD1	F1	Flange Size	L	T	H	V	H1
	Dash								
1212920	-0808	1/2"	3/4-16	1/2	42,0	15,0	40,5	18,2	9,0
1212921	-1008	5/8"	7/8-14	1/2	45,0	15,0	40,5	18,2	9,0
1212922	-1012	5/8"	7/8-14	3/4	49,0	17,0	50,8	23,8	11,0
1212923	-1208	3/4"	1 1/16-12	1/2	47,0	15,0	40,5	18,2	9,0
1212924	-1212	3/4"	1 1/16-12	3/4	51,0	17,0	50,8	23,8	11,0
1212925	-1216	3/4"	1 1/16-12	1	58,0	21,0	57,2	27,8	13,0
1212926	-1612	1"	1 5/16-12	3/4	52,0	17,0	50,8	23,8	11,0
1212927	-1616	1"	1 5/16-12	1	59,0	21,0	57,2	27,8	13,0
1212928	-1620	1"	1 5/16-12	1 1/4	64,0	24,0	66,7	31,8	15,0
1212929	-2016	1"1/4	1 5/8-12	1	61,0	21,0	57,2	27,8	13,0
1212930	-2020	1"1/4	1 5/8-12	1 1/4	66,0	24,0	66,7	31,8	15,0
1212931	-2024	1"1/4	1 5/8-12	1 1/2	70,0	27,0	79,4	36,5	17,0
1212932	-2420	1"1/2	1 7/8-12	1 1/4	69,0	24,0	66,7	31,8	15,0
1212933	-2424	1"1/2	1 7/8-12	1 1/2	73,0	27,0	79,4	36,5	17,0

**// R1A25M933W**

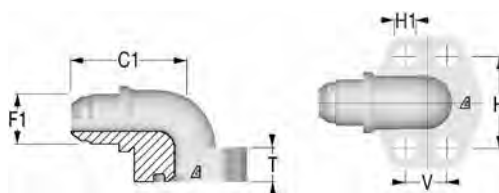
**90° flange SAE J518 code 61 - JIC - Low pressure**



Item Code	Head / Flange	OD1	F1	Flange size	C1	T	H	V	H1
	Dash								
1213085	-0808	1/2"	3/4-16	1/2	40,0	17,0	38,1	17,5	9,0
1213086	-1008	5/8"	7/8-14	1/2	42,0	17,0	38,1	17,5	9,0
1213087	-1012	5/8"	7/8-14	3/4	45,0	20,0	47,6	22,2	11,0
1213088	-1208	3/4"	1 1/16-12	1/2	42,0	20,0	38,1	17,5	9,0
1213089	-1212	3/4"	1 1/16-12	3/4	47,0	20,0	47,6	22,2	11,0
1213090	-1216	3/4"	1 1/16-12	1	50,0	20,0	52,4	26,2	11,0
1213091	-1612	1"	1 5/16-12	3/4	48,0	25,0	47,6	22,2	11,0
1213092	-1616	1"	1 5/16-12	1	51,0	25,0	52,4	26,2	11,0
1213093	-1620	1"	1 5/16-12	1 1/4	56,0	25,0	58,7	30,2	11,5
1213094	-2016	1"1/4	1 5/8-12	1	53,0	31,0	52,4	26,2	11,0
1213095	-2020	1"1/4	1 5/8-12	1 1/4	58,0	31,0	58,4	30,2	11,5
1213096	-2024	1"1/4	1 5/8-12	1 1/2	63,0	31,0	69,9	35,7	13,5
1213097	-2420	1"1/2	1 7/8-12	1 1/4	58,0	37,0	58,4	30,2	11,5
1213098	-2424	1"1/2	1 7/8-12	1 1/2	66,0	37,0	69,9	35,7	13,5

**// R1A25M936W**

**90° flange SAE J518 code 62 - JIC - High pressure**



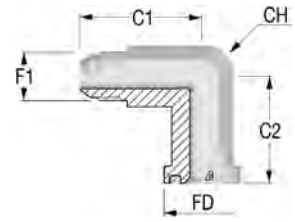
Item Code	Head / Flange	OD1	F1	Flange size	C1	T	H	V	H1
	Dash								
1213111	-0808	1/2"	3/4-16	1/2	40,0	17,0	40,5	18,2	9,0
1213112	-1008	5/8"	7/8-14	1/2	42,0	17,0	40,5	18,2	9,0
1213113	-1012	5/8"	7/8-14	3/4	49,0	20,0	50,8	23,8	11,0
1213114	-1208	3/4"	1 1/16-12	1/2	42,0	20,0	40,5	18,2	9,0
1213115	-1212	3/4"	1 1/16-12	3/4	51,0	20,0	50,8	23,8	11,0
1213116	-1216	3/4"	1 1/16-12	1	55,0	25,0	57,2	27,8	13,0
1213117	-1612	1"	1 5/16-12	3/4	52,0	25,0	50,8	23,8	11,0
1213118	-1616	1"	1 5/16-12	1	56,0	25,0	57,2	27,8	13,0
1213119	-1620	1"	1 5/16-12	1 1/4	56,0	31,0	66,7	31,8	15,0
1213120	-2016	1"1/4	1 5/8-12	1	58,0	31,0	57,2	27,8	13,0
1213121	-2020	1"1/4	1 5/8-12	1 1/4	63,0	31,0	66,7	31,8	15,0
1213122	-2024	1"1/4	1 5/8-12	1 1/2	67,0	37,0	79,4	36,5	17,0
1213123	-2420	1"1/2	1 7/8-12	1 1/4	63,0	37,0	66,7	31,8	15,0
1213124	-2424	1"1/2	1 7/8-12	1 1/2	70,0	37,0	79,4	36,5	17,0



Dimensions shown may be changed without prior notice

**// R1A25M9334**

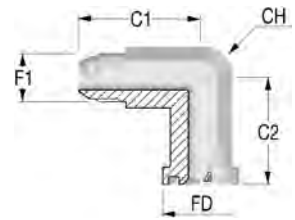
**90° adjustable split flange SAE J518 code 61 - JIC - Low pressure**



Item Code	Head / Flange	OD1 in	F1	Flange size	C1	C2	FD	CH
	Dash				mm	mm		
1213099	-0808	1/2"	3/4-16	1/2	48,0	42,0	30,2	22,0
1213100	-1008	5/8"	7/8-14	1/2	50,0	44,0	30,2	22,0
1213101	-1012	5/8"	7/8-14	3/4	64,0	53,0	38,1	22,0
1213102	-1212	3/4"	1 1/16-12	3/4	64,0	53,0	38,1	27,0
1213103	-1216	3/4"	1 1/16-12	1	65,0	60,0	44,5	27,0
1213104	-1612	1"	1 5/16-12	3/4	64,0	53,0	38,1	34,0
1213105	-1616	1"	1 5/16-12	1	65,0	60,0	44,5	34,0
1213106	-1620	1"	1 5/16-12	1 1/4	64,0	55,0	50,8	34,0
1213107	-2016	1 1/4"	1 5/8-12	1	65,0	60,0	44,5	42,0
1213108	-2020	1 1/4"	1 5/8-12	1 1/4	64,0	55,0	50,8	42,0
1213109	-2024	1 1/4"	1 5/8-12	1 1/2	78,0	66,0	60,3	42,0
1213110	-2424	1 1/2"	1 7/8-12	1 1/2	78,0	66,0	60,3	50,0

**// R1A25M9364**

**90° adjustable split flange SAE J518 code 62 - JIC - High pressure**

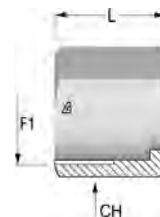


Item Code	Head / Flange	OD1 in	F1	Flange size	C1	C2	FD	CH
	Dash				mm	mm		
1213125	-0808	1/2"	3/4-16	1/2	49,0	43,0	31,8	22,0
1213126	-1008	5/8"	7/8-14	1/2	50,0	44,0	31,8	22,0
1213127	-1012	5/8"	7/8-14	3/4	64,0	53,0	41,3	22,0
1213128	-1212	3/4"	1 1/16-12	3/4	64,0	53,0	41,3	27,0
1213129	-1216	3/4"	1 1/16-12	1	65,0	60,0	47,6	27,0
1213130	-1612	1"	1 5/16-12	3/4	64,0	53,0	41,3	34,0
1213131	-1616	1"	1 5/16-12	1	65,0	60,0	47,6	34,0
1213132	-1620	1"	1 5/16-12	1 1/4	64,0	55,0	54,0	34,0
1213133	-2016	1 1/4"	1 5/8-12	1	65,0	60,0	47,6	42,0
1213134	-2020	1 1/4"	1 5/8-12	1 1/4	64,0	55,0	54,0	42,0
1213135	-2024	1 1/4"	1 5/8-12	1 1/2	78,0	66,0	63,5	42,0
1213136	-2424	1 1/2"	1 7/8-12	1 1/2	78,0	66,0	63,5	50,0

## // ACCESSORIES

### // RXA25D0000

Nut JIC



Item Code	Head	OD1 mm	F1	CH	L
	Dash			mm	mm
1208046	-0400	6	7/16-20	14,0	15,80
1208047	-0500	8	1/2-20	17,0	17,30
1207580	-0600	10	9/16-18	19,0	18,80
1208048	-0800	12	3/4-16	22,0	21,80
1208049	-1000	14	7/8-14	27,0	25,10
1208050	-1200	18	1 1/16-12	32,0	26,20
1203514	-1220	20	1 1/16-12	32,0	26,20
1208051	-1600	25	1 5/16-12	41,0	28,70
1208052	-2000	30	1 5/8-12	50,0	31,20
1208053	-2400	38	1 7/8-12	60,0	36,10

### // R1A25R0000

Sleeve JIC



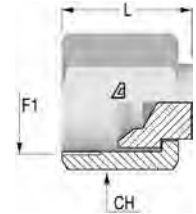
Item Code	Head	OD1 in	L
	Dash		mm
1203725	-0406	1/4"	10,5
1203719	-0508	5/16"	11,0
1203729	-0610	3/8"	12,5
1203724	-0812	1/2"	14,0
1203726	-1014	5/8"	17,0
1203727	-1015	5/8"	17,0
1203728	-1016	5/8"	17,0
1203717	-1218	3/4"	17,5
1203718	-1220	3/4"	17,5
1216495	-1422	7/8"	19,5
1203720	-1625	1"	20,0
1203721	-2030	1"1/4	23,0
1203722	-2032	1"1/4	23,0
1203723	-2438	1"1/2	28,5

Dimensions shown may be changed without prior notice

## // PLUG

## // R1A2531000

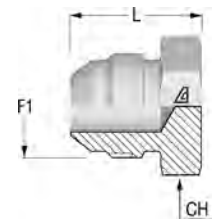
## Cap JIC Female



Item Code	Head	OD1	F1	CH	L
	Dash	in		mm	mm
1207348	-0400	1/4"	7/16-20	14,0	17,0
1207349	-0500	5/16"	1/2-20	17,0	19,5
1207350	-0600	3/8"	9/16-18	19,0	20,5
1207351	-0800	1/2"	3/4-16	22,0	24,0
1207352	-1000	5/8"	7/8-14	27,0	27,0
1207353	-1200	3/4"	1 1/16-12	32,0	31,5
1213213	-1400	7/8"	1 3/16-12	36,0	32,0
1207354	-1600	1"	1 5/16-12	41,0	32,5
1207355	-2000	1"1/4	1 5/8-12	50,0	35,5
1207356	-2400	1"1/2	1 7/8-12	60,0	43,0

## // R1A25M1000

## Plug JIC Male



Item Code	Head	OD1	F1	CH	L
	Dash	in		mm	mm
1207449	-0400	1/4"	7/16-20	12,0	20,5
1207450	-0500	5/16"	1/2-20	14,0	20,5
1207451	-0600	3/8"	9/16-18	14,0	21,5
1207452	-0800	1/2"	3/4-16	22,0	24,0
1207453	-1000	5/8"	7/8-14	24,0	28,0
1207454	-1200	3/4"	1 1/16-12	30,0	32,5
1212825	-1400	7/8"	1 3/16-12	33,0	33,0
1207455	-1600	1"	1 5/16-12	36,0	34,0
1207456	-2000	1"1/4	1 5/8-12	46,0	37,0
1207457	-2400	1"1/2	1 7/8-12	50,0	42,0



## // ORFS ADAPTERS

// MALE UNION.....	233
// MALE / FEMALE UNION .....	235
// BULKHEAD.....	237
// BSPP .....	240
// METRIC.....	245

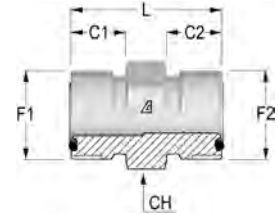
// SAE UNF .....	250
// FLANGES .....	255
// ACCESSORIES.....	258
// PLUG .....	259

Dimensions shown may be changed without prior notice

## // MALE UNION

## // R1A2451245

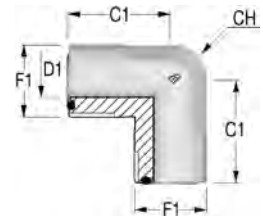
## Straight union ORFS Male



Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1 mm	C2 mm	CH mm	L mm
	Dash							
1207586	-0404	1/4"	9/16-18	9/16-18	10,0	10,0	17,0	27,0
1208173	-0604	3/8"	11/16-16	9/16-18	11,0	10,0	19,0	30,0
1207587	-0606	3/8"	11/16-16	11/16-16	11,0	11,0	19,0	31,0
1208174	-0806	1/2"	13/16-16	11/16-16	13,0	11,0	22,0	33,5
1207579	-0808	1/2"	13/16-16	13/16-16	13,0	13,0	22,0	35,5
1208175	-1008	5/8"	1-14	13/16-16	15,5	13,0	27,0	40,0
1207588	-1010	5/8"	1-14	1-14	15,5	15,5	27,0	42,5
1208176	-1210	3/4"	1 3/16-12	1-14	17,0	15,5	32,0	45,5
1207589	-1212	3/4"	1 3/16-12	1 3/16-12	17,0	17,0	32,0	47,0
1208177	-1612	1"	1 7/16-12	13/16-16	17,5	17,0	41,0	49,5
1207590	-1616	1"	1 7/16-12	1 7/16-12	17,5	17,5	41,0	49,5
1208179	-2016	1 1/4"	1 11/16-12	1 7/16-12	17,5	17,5	46,0	51,5
1208180	-2020	1 1/4"	1 11/16-12	1 11/16-12	17,5	17,5	46,0	51,5
1211533	-2424	1 1/2"	2-12	2-12	17,5	17,5	55,0	53,0

## // R1A2459245

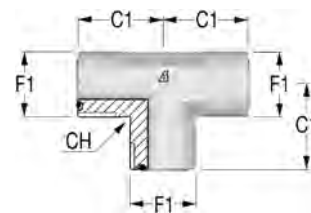
## 90° union ORFS Male



Item Code	Head 1 / Head 2	OD1 in	F1	C1 mm	CH mm
	Dash				
1207045	-0404	1/4"	9/16-18	21,5	14,0
1208128	-0606	3/8"	11/16-16	25,0	17,0
1207578	-0808	1/2"	13/16-16	28,0	19,0
1208129	-1010	5/8"	1-14	33,5	27,0
1208130	-1212	3/4"	1 3/16-12	37,5	27,0
1208131	-1616	1"	1 7/16-12	42,0	36,0
1208132	-2020	1 1/4"	1 11/16-12	45,0	41,0
1211560	-2424	1 1/2"	2-12	49,0	48,0

**// R1A245T245**

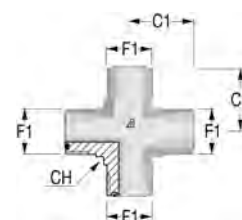
**Branch Tee union ORFS Male**



Item Code	Head 1 / Head 2	OD1	F1	C1	CH
	Dash	in		mm	mm
1207600	-0404	1/4"	9/16-18	21,5	14,0
1207601	-0606	3/8"	11/16-16	25,0	17,0
1207572	-0808	1/2"	13/16-16	28,0	19,0
1207571	-1010	5/8"	1-14	33,5	27,0
1208205	-1212	3/4"	1 3/16-12	37,5	27,0
1207602	-1616	1"	1 7/16-12	42,0	36,0
1208206	-2020	1 1/4"	1 11/16-12	45,0	41,0
1211520	-2424	1 1/2"	2-12	49,0	48,0

**// R1A245X245**

**Cross union ORFS Male**



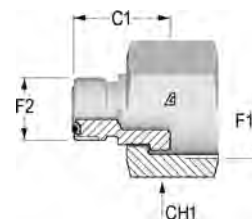
Item Code	Head 1 / Head 2	OD1	F1	C1	CH
	Dash	in		mm	mm
1212531	-0404	1/4"	9/16-18	21,5	14,0
1212532	-0606	3/8"	11/16-16	25,0	17,0
1212533	-0808	1/2"	13/16-16	28,0	19,0
1212534	-1010	5/8"	1-14	33,5	27,0
1212535	-1212	3/4"	1 3/16-12	37,5	27,0
1212536	-1616	1"	1 7/16-12	42,0	36,0
1212537	-2020	1 1/4"	1 11/16-12	45,0	41,0
1212538	-2424	1 1/2"	2-12	49,0	48,0

Dimensions shown may be changed without prior notice

## // MALE / FEMALE UNION

## // R1A2431245

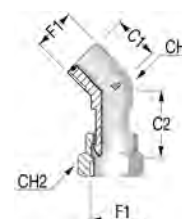
Straight union ORFS Female - ORFS Male



Item Code	Head 1 / Head 2	OD1	F1	F2	C1	CH1
	Dash	in				
1212498	-0604	3/8"	11/16-16	9/16-18	19,5	22,0
1208210	-0804	1/2"	13/16-16	9/16-18	22,0	24,0
1208347	-0806	1/2"	13/16-16	11/16-16	23,0	24,0
1207033	-1004	5/8"	1-14	9/16-18	23,0	30,0
1212518	-1006	5/8"	1-14	11/16-16	24,0	30,0
1207660	-1008	5/8"	1-14	13/16-16	26,0	30,0
1212519	-1204	3/4"	1 3/16-12	9/16-18	25,0	36,0
1208211	-1206	3/4"	1 3/16-12	11/16-16	26,0	36,0
1208212	-1208	3/4"	1 3/16-12	13/16-16	28,0	36,0
1214621	-1210	3/4"	1 3/16-12	1-14	30,5	36,0
1208213	-1608	1"	1 7/16-12	13/16-16	29,5	41,0
1207661	-1610	1"	1 7/16-12	1-14	32,0	41,0
1212499	-1612	1"	1 7/16-12	1 3/16-12	33,5	41,0
1208214	-2012	1 1/4"	1 11/16-12	13/16-16	33,5	50,0
1208037	-2016	1 1/4"	1 11/16-12	1 7/16-12	38,5	50,0
1211497	-2416	1 1/2"	2-12	1 7/16-12	34,0	60,0
1211498	-2420	1 1/2"	2-12	1 11/16-12	34,0	60,0

## // R1A2454241

45° union ORFS Male - ORFS Female



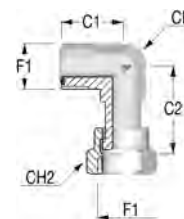
Item Code	Head 1 / Head 2	OD1	F1	C1	C2	CH	CH2
	Dash	in		mm	mm	mm	mm
1212613	-0404	1/4"	9/16-18	16,0	26,5	14,0	17,0
1212614	-0606	3/8"	11/16-16	19,0	25,0	17,0	22,0
1212615	-0808	1/2"	13/16-16	20,5	30,0	19,0	24,0
1212616	-1010	5/8"	1-14	23,5	36,0	27,0	30,0
1211542	-1212	3/4"	1 3/16-12	26,0	41,0	27,0	36,0
1212617	-1616	1"	1 7/16-12	30,0	45,0	36,0	41,0
1212618	-2020	1 1/4"	1 11/16-12	32,0	45,0	41,0	50,0
1212619	-2424	1 1/2"	2-12	32,0	47,5	48,0	60,0

235

HYDRAULIC ADAPTER

**// R1A2459241**

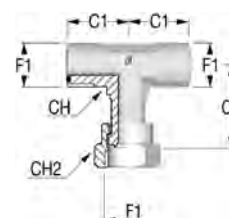
**90° union ORFS Male - ORFS Female**



Item Code	Head 1 / Head 2	OD1	F1	C1	C2	CH	CH2
	Dash	in		mm	mm	mm	mm
1208021	-0404	1/4"	9/16-18	21,5	26,5	14,0	17,0
1207593	-0606	3/8"	11/16-16	25,0	29,0	17,0	22,0
1207569	-0808	1/2"	13/16-16	28,0	38,0	19,0	24,0
1206968	-1010	5/8"	1-14	33,5	41,5	27,0	30,0
1207594	-1212	3/4"	1 3/16-12	37,5	46,5	27,0	36,0
1207595	-1616	1"	1 7/16-12	41,5	53,5	36,0	41,0
1208126	-2020	1*1/4	1 11/16-12	44,5	58,0	41,0	50,0
1211559	-2424	1*1/2	2-12	49,0	61,0	48,0	60,0

**// R1A245T241**

**Branch Tee union ORFS Male - ORFS Female**



Item Code	Head 1 / Head 2	OD1	F1	C1	C2	CH	CH2
	Dash	in		mm	mm	mm	mm
1208200	-0404	1/4"	9/16-18	21,5	26,5	14,0	17,0
1208033	-0606	3/8"	11/16-16	25,0	29,0	17,0	22,0
1207570	-0808	1/2"	13/16-16	28,0	38,0	19,0	24,0
1208201	-1010	5/8"	1-14	33,5	41,5	27,0	30,0
1208202	-1212	3/4"	1 3/16-12	37,5	46,5	27,0	36,0
1208203	-1616	1"	1 7/16-12	41,5	53,5	36,0	41,0
1208204	-2020	1*1/4	1 11/16-12	44,5	58,0	41,0	50,0
1211519	-2424	1*1/2	2-12	49,0	61,0	48,0	60,0

**// R1A245L241**

**Run Tee union ORFS Male - ORFS Female**



Item Code	Head 1 / Head 2	OD1	F1	C1	C2	CH	CH2
	Dash	in		mm	mm	mm	mm
1207597	-0404	1/4"	9/16-18	21,5	26,5	14,0	19,0
1207573	-0606	3/8"	11/16-16	25,0	29,0	17,0	22,0
1207598	-0808	1/2"	13/16-16	28,0	38,0	19,0	27,0
1207032	-1010	5/8"	1-14	33,5	41,5	27,0	30,0
1207559	-1212	3/4"	1 3/16-12	37,5	46,5	27,0	36,0
1207599	-1616	1"	1 7/16-12	41,5	53,5	36,0	41,0
1208209	-2020	1*1/4	1 11/16-12	44,0	58,0	41,0	50,0
1211508	-2424	1*1/2	2-12	48,5	61,0	48,0	60,0

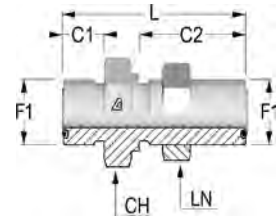


Dimensions shown may be changed without prior notice

## // BULKHEAD

### // R1A245124T

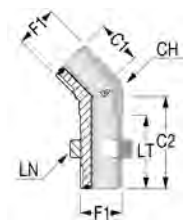
#### Straight union ORFS Bulkhead



Item Code	Head 1 / Head 2	OD1 in	F1	C1	C2	CH	LN	L
	Dash			mm	mm	mm	mm	mm
1208184	-0404	1/4"	9/16-18	10,0	30,0	22,0	22,0	48,0
1207035	-0606	3/8"	11/16-16	11,0	32,5	27,0	27,0	53,0
1208185	-0808	1/2"	13/16-16	13,0	34,0	30,0	30,0	58,0
1239974	-0812	1/2"	13/16-16	13,0	38,5	41,0	41,0	65,0
1206967	-1010	5/8"	1-14	15,5	38,0	36,0	36,0	65,5
1208187	-1212	3/4"	1 3/16-12	17,0	38,5	41,0	41,0	69,0
1208188	-1616	1"	1 7/16-12	17,5	39,0	46,0	46,0	70,0
1208189	-2020	1 1/4"	1 11/16-12	17,5	39,0	50,0	50,0	70,0
1211532	-2424	1 1/2"	2-12	17,5	39,0	60,0	60,0	70,0

### // R1A245424T

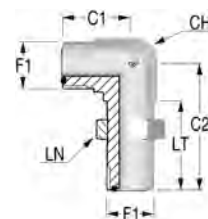
#### 45° union ORFS Bulkhead



Item Code	Head 1 / Head 2	OD1 in	F1	C1	C2	CH	LN	LT
	Dash			mm	mm	mm	mm	mm
1212605	-0404	1/4"	9/16-18	16,0	44,0	14,0	22,0	31,5
1212606	-0606	3/8"	11/16-16	19,0	48,5	17,0	27,0	34,0
1212607	-0808	1/2"	13/16-16	20,5	51,0	19,0	30,0	36,5
1212608	-1010	5/8"	1-14	23,5	56,5	27,0	36,0	40,5
1212609	-1212	3/4"	1 3/16-12	26,0	60,5	27,0	41,0	41,5
1212610	-1616	1"	1 7/16-12	30,0	65,0	36,0	46,0	42,0
1212612	-2424	1 1/2"	2-12	37,0	67,0	48,0	60,0	42,0

**// R1A245924T**

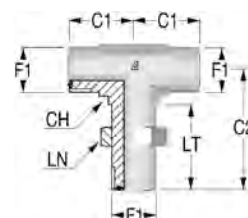
**90° union ORFS Bulkhead**



Item Code	Head 1 / Head 2	OD1	F1	C1	C2	CH	LN	LT
	Dash							
1210753	-0404	1/4"	9/16-18	22,5	47,0	14,0	22,0	31,5
1210754	-0606	3/8"	11/16-16	26,0	52,0	17,0	27,0	34,0
1210755	-0808	1/2"	13/16-16	29,0	55,5	19,0	30,0	36,5
1207560	-1010	5/8"	1-14	34,5	63,0	27,0	36,0	40,5
1208157	-1212	3/4"	1 3/16-12	38,5	67,0	27,0	41,0	41,5
1211557	-1616	1"	1 7/16-12	42,5	71,0	36,0	46,0	42,0
1208158	-2020	1"1/4	1 11/16-12	45,5	75,5	41,0	50,0	42,0
1211558	-2424	1"1/2	2-12	49,5	79,5	48,0	60,0	42,0

**// R1A245T24T**

**Branch Tee union ORFS Bulkhead**

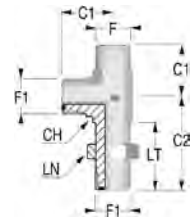


Item Code	Head 1 / Head 2	OD1	F1	C1	C2	CH	LN	LT
	Dash							
1212524	-0404	1/4"	9/16-18	22,5	47,0	14,0	22,0	31,5
1212525	-0606	3/8"	11/16-16	26,0	52,0	17,0	27,0	34,0
1208224	-0808	1/2"	13/16-16	29,0	55,5	19,0	30,0	36,5
1212526	-1010	5/8"	1-14	34,5	63,0	27,0	36,0	40,5
1212527	-1212	3/4"	1 3/16-12	38,5	67,0	27,0	41,0	41,5
1212528	-1616	1"	1 7/16-12	42,5	71,0	36,0	46,0	42,0
1212529	-2020	1"1/4	1 11/16-12	45,5	75,5	41,0	50,0	42,0
1212530	-2424	1"1/2	2-12	49,5	79,5	48,0	60,0	42,0

Dimensions shown may be changed without prior notice

## // R1A245L24T

## Run Tee union ORFS Bulkhead

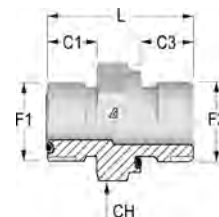


Item Code	Head 1 / Head 2	OD1	F1	C1	C2	CH	LN	LT
	Dash	in		mm	mm	mm	mm	mm
1240057	-0404	1/4"	9/16-18	22,5	47,0	14,0	22,0	35,0
1211502	-0606	3/8"	11/16-16	26,0	52,0	17,0	27,0	39,0
1210797	-0808	1/2"	13/16-16	29,0	55,5	19,0	30,0	40,0
1211503	-1010	5/8"	1-14	34,5	63,0	27,0	36,0	43,5
1211504	-1212	3/4"	1 3/16-12	38,5	67,0	27,0	41,0	44,5
1211505	-1616	1"	1 7/16-12	42,5	71,0	36,0	46,0	46,0
1211506	-2020	1 1/4"	1 11/16-12	45,5	75,5	41,0	50,0	46,5
1211507	-2424	1 1/2"	2-12	49,5	79,5	48,0	60,0	45,0

## // BSPP

## // R1A245106I

**Straight connector ORFS Male - BSPP cylindric Male with elastomer**

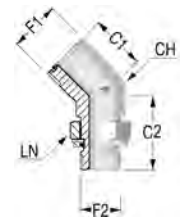


Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1 mm	C2 mm	CH mm	L mm
	Dash							
1207990	-0402	1/4"	9/16-18	1/8-28	10,0	8,0	17,0	25,5
1206956	-0404	1/4"	9/16-18	1/4-19	10,0	12,0	19,0	30,5
1206957	-0406	1/4"	9/16-18	3/8-19	10,0	12,0	22,0	31,5
1208017	-0408	1/4"	9/16-18	1/2-14	10,0	14,0	27,0	35,5
1207575	-0604	3/8"	11/16-16	1/4-19	11,0	12,0	19,0	31,5
1207574	-0606	3/8"	11/16-16	3/8-19	11,0	12,0	22,0	33,5
1207996	-0608	3/8"	11/16-16	1/2-14	11,0	14,0	27,0	37,0
1207998	-0804	1/2"	13/16-16	1/4-19	13,0	12,0	22,0	39,5
1207576	-0806	1/2"	13/16-16	3/8-19	13,0	12,0	22,0	34,5
1206958	-0808	1/2"	13/16-16	1/2-14	13,0	14,0	27,0	38,5
1208022	-0812	1/2"	13/16-16	3/4-14	13,0	16,0	32,0	42,0
1207999	-1006	5/8"	1-14	3/8-19	15,5	12,0	27,0	43,0
1208010	-1008	5/8"	1-14	1/2-14	15,5	14,0	27,0	41,0
1207959	-1012	5/8"	1-14	3/4-14	15,5	16,0	32,0	44,5
1208000	-1208	3/4"	1 3/16-12	1/2-14	17,0	14,0	32,0	48,5
1206955	-1212	3/4"	1 3/16-12	3/4-14	17,0	16,0	32,0	46,0
1211527	-1216	3/4"	1 3/16-12	1-11	17,0	18,0	41,0	49,5
1208003	-1612	1"	1 7/16-12	3/4-14	17,5	16,0	41,0	51,0
1207577	-1616	1"	1 7/16-12	1-11	17,5	18,0	41,0	49,0
1207979	-1620	1"	1 7/16-12	1 1/4-11	17,5	20,0	50,0	54,0
1208034	-2016	1"1/4	1 11/16-12	1-11	17,5	18,0	46,0	57,5
1208018	-2020	1"1/4	1 11/16-12	1 1/4-11	17,5	20,0	50,0	54,0
1211528	-2024	1"1/4	1 11/16-12	1 1/2-11	17,5	22,0	55,0	57,5
1211529	-2424	1"1/2	2-12	1 1/2-11	17,5	22,0	55,0	57,5

Dimensions shown may be changed without prior notice

## // R1A245406N

**45° adjustable elbow connector ORFS Male - BSPP cylindric  
Male with O-Ring and retaining ring**



Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in						
1210800	-0402	1/4"	9/16-18	1/8-28	16,0	28,0	14,0	14,0
1210801	-0404	1/4"	9/16-18	1/4-19	17,5	31,0	14,0	19,0
1210802	-0604	3/8"	11/16-16	1/4-19	19,0	32,0	19,0	19,0
1210803	-0606	3/8"	11/16-16	3/8-19	19,0	33,0	19,0	22,0
1210804	-0608	3/8"	11/16-16	1/2-14	19,5	43,0	27,0	27,0
1210805	-0806	1/2"	13/16-16	3/8-19	20,5	33,5	19,0	22,0
1212604	-0808	1/2"	13/16-16	1/2-14	22,0	42,0	27,0	27,0
1210806	-1008	5/8"	1-14	1/2-14	23,5	42,0	27,0	27,0
1210807	-1012	5/8"	1-14	3/4-14	24,5	46,5	30,0	36,0
1210733	-1212	3/4"	1 3/16-12	3/4-14	26,0	50,0	30,0	36,0
1211539	-1216	3/4"	1 3/16-12	1-11	29,5	52,5	36,0	41,0
1207720	-1616	1"	1 7/16-12	1-11	30,0	52,5	36,0	41,0
1211540	-2020	1"1/4	1 11/16-12	1 1/4-11	32,0	53,5	41,0	50,0
1211541	-2424	1"1/2	2-12	1 1/2-11	37,0	53,5	48,0	55,0

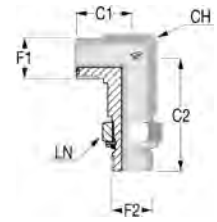
## // R1A245906N

90° adjustable elbow connector ORFS Male - BSPP cylindric  
Male with O-Ring and retaining ring

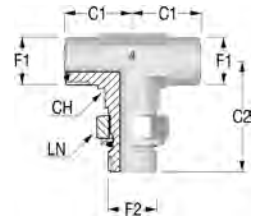


Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in			mm	mm	mm	mm
1210739	-0402	1/4"	9/16-18	1/8-28	21,5	30,0	14,0	14,0
1207721	-0404	1/4"	9/16-18	1/4-19	23,5	35,0	14,0	19,0
1207581	-0406	1/4"	9/16-18	3/8-19	25,0	38,0	19,0	22,0
1207722	-0604	3/8"	11/16-16	1/4-19	25,0	38,0	19,0	19,0
1207568	-0606	3/8"	11/16-16	3/8-19	26,5	38,0	19,0	22,0
1207567	-0608	3/8"	11/16-16	1/2-14	29,5	48,0	27,0	27,0
1207723	-0804	1/2"	13/16-16	1/4-19	28,0	35,0	19,0	19,0
1207724	-0806	1/2"	13/16-16	3/8-19	28,0	38,0	19,0	22,0
1207725	-0808	1/2"	13/16-16	1/2-14	31,0	48,0	27,0	27,0
1208118	-1006	5/8"	1-14	3/8-19	33,5	43,0	27,0	22,0
1207034	-1008	5/8"	1-14	1/2-14	33,5	48,0	27,0	27,0
1210741	-1012	5/8"	1-14	3/4-14	36,0	51,5	30,0	36,0
1208029	-1208	3/4"	1 3/16-12	1/2-14	37,5	49,5	30,0	27,0
1207557	-1212	3/4"	1 3/16-12	3/4-14	37,5	51,5	30,0	36,0
1208119	-1216	3/4"	1 3/16-12	1-11	41,5	58,0	36,0	41,0
1210714	-1612	1"	1 7/16-12	3/4-14	42,0	56,0	36,0	36,0
1208121	-1616	1"	1 7/16-12	1-11	42,0	63,5	36,0	41,0
1211552	-1620	1"	1 7/16-12	1 1/4-11	45,0	60,5	41,0	50,0
1211553	-2016	1 1/4"	1 11/16-12	1-11	45,0	60,0	41,0	41,0
1211554	-2020	1 1/4"	1 11/16-12	1 1/4-11	45,0	67,5	41,0	50,0
1211555	-2024	1 1/4"	1 11/16-12	1 1/2-11	49,0	64,5	48,0	55,0
1211556	-2424	1 1/2"	2-12	1 1/2-11	49,0	64,5	48,0	55,0

Dimensions shown may be changed without prior notice

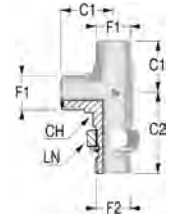
**// R1A245906Y****90° adjustable long elbow connector ORFS Male - BSPP  
cylindric Male with O-Ring and retaining ring**

Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in			mm	mm	mm	mm
1212620	-0404	1/4"	9/16-18	1/4-19	23,5	59,0	14,0	19,0
1212621	-0406	1/4"	9/16-18	3/8-19	25,0	62,0	22,0	22,0
1212622	-0606	3/8"	11/16-16	3/8-19	26,5	67,0	22,0	22,0
1212623	-0608	3/8"	11/16-16	1/2-14	36,5	93,1	27,0	27,0
1212624	-0806	1/2"	13/16-16	3/8-19	28,0	73,0	22,0	22,0
1212625	-0808	1/2"	13/16-16	1/2-14	31,0	82,0	27,0	27,0
1212626	-1008	5/8"	1-14	1/2-14	33,0	82,0	27,0	27,0
1212627	-1012	5/8"	1-14	3/4-14	36,0	90,0	33,0	36,0
1212628	-1212	3/4"	1 3/16-12	3/4-14	37,5	97,0	33,0	36,0
1212629	-1216	3/4"	1 3/16-12	1-11	41,5	104,0	36,0	41,0
1212630	-1616	1"	1 7/16-12	1-11	42,0	112,0	36,0	41,0
1212631	-1620	1"	1 7/16-12	1 1/4-11	45,0	113,0	41,0	50,0
1212632	-2020	1 1/4"	1 11/16-12	1 1/4-11	45,0	113,0	41,0	50,0
1212633	-2024	1 1/4"	1 11/16-12	1 1/2-11	45,0	113,0	41,0	50,0
1212634	-2424	1 1/2"	2-12	1 1/2-11	49,0	137,0	48,0	55,0

**// R1A245T06N****Branch Tee adjustable elbow connector ORFS Male - BSPP  
cylindric Male with O-Ring and retaining ring**

Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in			mm	mm	mm	mm
1210825	-0402	1/4"	9/16-18	1/8-28	21,5	30,0	14,0	14,0
1210826	-0404	1/4"	9/16-18	1/4-19	23,5	35,0	14,0	19,0
1210827	-0604	3/8"	11/16-16	1/4-19	25,0	36,0	17,0	19,0
1210828	-0606	3/8"	11/16-16	3/8-19	26,5	38,0	17,0	22,0
1210829	-0806	1/2"	13/16-16	3/8-19	28,0	38,0	19,0	22,0
1212523	-0808	1/2"	13/16-16	1/2-14	31,0	48,0	22,0	27,0
1207726	-1008	5/8"	1-14	1/2-14	33,5	48,0	27,0	27,0
1210830	-1012	5/8"	1-14	3/4-14	36,0	51,5	30,0	36,0
1207558	-1212	3/4"	1 3/16-12	3/4-14	37,5	51,5	30,0	36,0
1211516	-1616	1"	1 7/16-12	1-11	42,0	58,0	36,0	41,0
1211517	-2020	1 1/4"	1 11/16-12	1 1/4-11	45,0	60,5	41,0	50,0
1211518	-2424	1 1/2"	2-12	1 1/2-11	49,0	64,5	48,0	55,0

## // R1A245L06N

**Run Tee adjustable elbow connector ORFS Male - BSPP  
cylindric Male with O-Ring and retaining ring**

Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in			mm	mm	mm	mm
1210789	-0402	1/4"	9/16-18	1/8-28	21,5	30,0	14,0	14,0
1210791	-0604	3/8"	11/16-16	1/4-19	25,0	36,0	17,0	19,0
1210792	-0606	3/8"	11/16-16	3/8-19	26,5	38,0	17,0	22,0
1211499	-0806	1/2"	13/16-16	3/8-19	28,0	38,0	19,0	22,0
1210793	-0808	1/2"	13/16-16	1/2-14	31,0	48,0	22,0	27,0
1210794	-1008	5/8"	1-14	1/2-14	33,5	48,0	27,0	27,0
1210795	-1012	5/8"	1-14	3/4-14	38,0	51,5	30,0	36,0
1210796	-1212	3/4"	1 3/16-12	3/4-14	37,5	51,5	30,0	36,0
1208208	-1616	1"	1 7/16-12	1-11	42,0	58,0	36,0	41,0
1211500	-2020	1"1/4	1 11/16-12	1 1/4-11	45,0	60,5	41,0	50,0
1211501	-2424	1"1/2	2-12	1 1/2-11	49,0	64,5	48,0	55,0

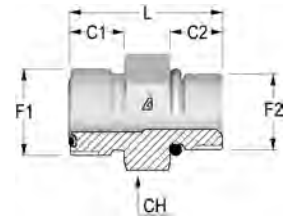


Dimensions shown may be changed without prior notice

## // METRIC

## // R1A2451525

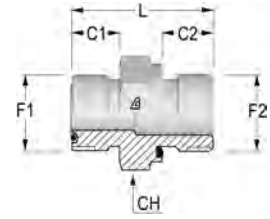
## Straight connector ORFS Male - Metric Male with O-Ring



Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	L
	Dash	in						
1216267	-0410	1/4"	9/16-18	M10X1.0	10,0	12,0	17,0	27,0
1216268	-0412	1/4"	9/16-18	M12X1.5	10,0	13,5	17,0	28,5
1208019	-0414	1/4"	9/16-18	M14X1.5	10,0	13,5	19,0	29,5
1207957	-0614	3/8"	11/16-16	M14X1.5	11,0	13,5	22,0	32,0
1208032	-0616	3/8"	11/16-16	M16X1.5	11,0	15,0	22,0	33,5
1216270	-0618	3/8"	11/16-16	M18X1.5	11,0	16,5	24,0	36,0
1207956	-0814	1/2"	13/16-16	M14X1.5	13,0	13,5	22,0	35,0
1216272	-0816	1/2"	13/16-16	M16X1.5	13,0	15,0	24,0	36,5
1208040	-0818	1/2"	13/16-16	M18X1.5	13,0	16,5	24,0	38,0
1211538	-0822	1/2"	13/16-16	M22X1.5	13,0	17,5	27,0	39,0
1208020	-1022	5/8"	1-14	M22X1.5	15,5	17,5	27,0	42,0
1216274	-1027	5/8"	1-14	M27X2	15,5	18,5	32,0	46,0
1216276	-1227	3/4"	1 3/16-12	M27X2	17,0	21,0	32,0	48,5
1216277	-1233	3/4"	1 3/16-12	M33X2.0	17,0	21,5	41,0	51,5
1216278	-1633	1"	1 7/16-12	M33X2.0	17,5	21,5	41,0	52,0
1216279	-1642	1"	1 7/16-12	M42X2	17,5	22,0	50,0	54,5
1216280	-2042	1"1/4	1 11/16-12	M42X2	17,5	22,0	50,0	54,5
1216281	-2048	1"1/4	1 11/16-12	M48X2.0	17,5	24,5	55,0	55,5
1216282	-2448	1"1/2	2-12	M48X2.0	17,5	24,5	55,0	57,0

**// R1A245152I**

**Straight connector ORFS Male - Metric Male with elastomer**

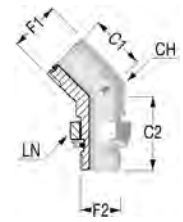


Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	L
	Dash	in						
1206959	-0410	1/4"	9/16-18	M10X1.0	10,0	8,0	17,0	25,0
1206960	-0412	1/4"	9/16-18	M12X1.5	10,0	12,0	17,0	29,5
1208035	-0414	1/4"	9/16-18	M14X1.5	10,0	12,0	19,0	30,5
1208036	-0614	3/8"	11/16-16	M14X1.5	11,0	12,0	22,0	32,0
1206961	-0616	3/8"	11/16-16	M16X1.5	11,0	12,0	22,0	32,0
1212592	-0814	1/2"	13/16-16	M14X1.5	13,0	12,0	22,0	34,0
1216283	-0816	1/2"	13/16-16	M16X1.5	13,0	12,0	22,0	34,0
1206962	-0818	1/2"	13/16-16	M18X1.5	13,0	12,0	24,0	36,5
1212593	-0822	1/2"	13/16-16	M22X1.5	13,0	14,0	27,0	38,5
1208191	-1022	5/8"	1-14	M22X1.5	15,5	14,0	27,0	41,0
1212594	-1222	3/4"	1 3/16-12	M22X1.5	17,0	14,0	32,0	44,0
1208192	-1227	3/4"	1 3/16-12	M27X2	17,0	16,0	32,0	46,0
1211535	-1633	1"	1 7/16-12	M33X2.0	17,5	18,0	41,0	50,0
1212597	-1642	1"	1 7/16-12	M42X2	17,5	20,0	50,0	54,0
1211536	-2042	1"1/4	1 11/16-12	M42X2	17,5	20,0	50,0	54,0
1211537	-2448	1"1/2	2-12	M48X2.0	17,5	22,0	55,0	57,5

Dimensions shown may be changed without prior notice

**// R1A245452Q**

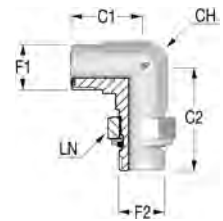
**45° adjustable elbow connector ORFS Male - Metric Male with O-Ring and retaining ring**



Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash				in	mm	mm	mm
1210736	-0412	1/4"	9/16-18	M12X1.5	16,0	30,0	14,0	17,0
1208115	-0616	3/8"	11/16-16	M16X1.5	19,0	33,5	17,0	22,0
1210737	-0818	1/2"	13/16-16	M18X1.5	20,5	37,0	19,0	24,0
1210738	-1022	5/8"	1-14	M22X1.5	23,5	44,0	27,0	27,0
1211548	-1227	3/4"	1 3/16-12	M27X2	26,0	50,5	27,0	32,0
1211549	-1633	1"	1 7/16-12	M33X2.0	30,0	52,5	36,0	41,0
1211550	-2042	1 1/4"	1 11/16-12	M42X2	32,0	54,0	41,0	50,0
1211551	-2448	1 1/2"	2-12	M48X2.0	37,0	56,5	48,0	55,0

**// R1A245952Q**

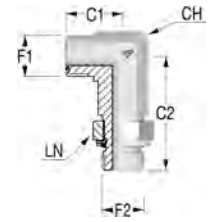
**90° adjustable elbow connector ORFS Male - Metric Male with O-Ring and retaining ring**



Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash				in	mm	mm	mm
1210758	-0410	1/4"	9/16-18	M10X1.0	21,5	30,5	14,0	14,0
1208159	-0412	1/4"	9/16-18	M12X1.5	21,5	33,0	14,0	17,0
1212692	-0612	3/8"	11/16-16	M12X1.5	25,0	35,5	17,0	17,0
1208042	-0614	3/8"	11/16-16	M14X1.5	25,0	35,5	17,0	19,0
1208043	-0616	3/8"	11/16-16	M16X1.5	25,0	37,5	17,0	22,0
1210759	-0818	1/2"	13/16-16	M18X1.5	28,0	41,0	19,0	24,0
1210760	-0822	1/2"	13/16-16	M22X1.5	31,0	49,0	19,0	27,0
1210761	-1022	5/8"	1-14	M22X1.5	33,5	49,0	27,0	27,0
1210762	-1027	5/8"	1-14	M27X2	33,5	55,0	27,0	32,0
1210763	-1227	3/4"	1 3/16-12	M27X2	37,5	55,5	27,0	32,0
1210764	-1233	3/4"	1 3/16-12	M33X2.0	37,5	59,5	36,0	41,0
1212693	-1627	1"	1 7/16-12	M27X2	41,5	59,5	36,0	32,0
1211568	-1633	1"	1 7/16-12	M33X2.0	41,5	59,5	36,0	41,0
1211569	-1642	1"	1 7/16-12	M42X2	41,5	62,0	41,0	50,0
1211570	-2042	1 1/4"	1 11/16-12	M42X2	43,5	63,0	41,0	50,0
1211571	-2048	1 1/4"	1 11/16-12	M48X2.0	44,5	71,5	48,0	55,0
1211572	-2448	1 1/2"	2-12	M48X2.0	44,5	66,0	48,0	55,0

**// R1A245952Y**

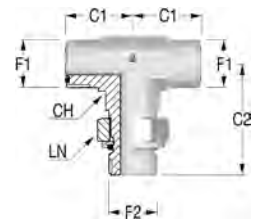
**90° adjustable long elbow connector ORFS Male - Metric Male with O-Ring and retaining ring**



Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in			mm	mm	mm	mm
1212694	-0412	1/4"	9/16-18	M12X1.5	21,5	56,5	14,0	17,0
1212695	-0616	3/8"	11/16-16	M16X1.5	25,0	67,0	17,0	22,0
1212696	-0818	1/2"	13/16-16	M18X1.5	28,0	75,0	19,0	24,0
1212697	-1022	5/8"	1-14	M22X1.5	33,5	89,0	27,0	27,0
1212698	-1227	3/4"	1 3/16-12	M27X2	37,5	100,0	27,0	32,0
1212699	-1633	1"	1 7/16-12	M33X2.0	41,5	113,0	36,0	41,0
1212700	-2042	1 1/4"	1 11/16-12	M42X2	44,5	125,0	41,0	50,0
1212701	-2448	1 1/2"	2-12	M48X2.0	49,0	139,0	48,0	55,0

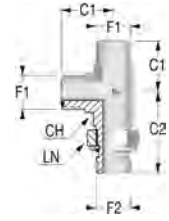
**// R1A245T52Q**

**Branch Tee adjustable elbow connector ORFS Male - Metric Male with O-Ring and retaining ring**



Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in			mm	mm	mm	mm
1210784	-0412	1/4"	9/16-18	M12X1.5	21,5	33,0	14,0	17,0
1210785	-0616	3/8"	11/16-16	M16X1.5	25,0	37,5	17,0	22,0
1210786	-0818	1/2"	13/16-16	M18X1.5	28,0	41,0	19,0	24,0
1210787	-1022	5/8"	1-14	M22X1.5	33,5	49,0	27,0	27,0
1210788	-1227	3/4"	1 3/16-12	M27X2	37,5	55,5	27,0	32,0
1211524	-1633	1"	1 7/16-12	M33X2.0	41,5	59,5	36,0	41,0
1211525	-2042	1 1/4"	1 11/16-12	M42X2	44,5	63,0	41,0	36,0
1211526	-2448	1 1/2"	2-12	M48X2.0	49,0	71,5	48,0	55,0

Dimensions shown may be changed without prior notice

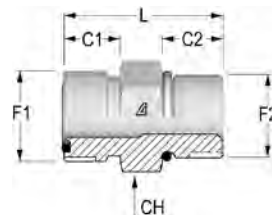
**// R1A245L52Q****Run Tee adjustable elbow connector ORFS Male - Metric Male  
with O-Ring and retaining ring**

Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in			mm	mm	mm	mm
1210820	-0412	1/4"	9/16-18	M12X1.5	21,5	33,0	14,0	17,0
1210821	-0616	3/8"	11/16-16	M16X1.5	25,0	37,5	17,0	22,0
1210822	-0818	1/2"	13/16-16	M18X1.5	28,0	41,0	19,0	24,0
1210709	-1022	5/8"	1-14	M22X1.5	33,5	49,0	27,0	27,0
1210823	-1227	3/4"	1 3/16-12	M27X2	37,5	55,5	27,0	32,0
1211513	-1633	1"	1 7/16-12	M33X2.0	41,5	59,5	36,0	41,0
1211514	-2042	1 1/4"	1 11/16-12	M42X2	44,5	63,0	41,0	50,0
1211515	-2448	1 1/2"	2-12	M48X2.0	49,0	71,5	48,0	55,0

## // SAE UNF

### // R1A245130S

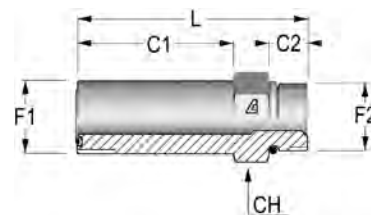
**Straight connector ORFS Male - SAE UNF/UN Male with O-Ring**



Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	L
	Dash	in						
1206963	-0404	1/4"	9/16-18	7/16-20	10,0	11,0	17,0	29,0
1206964	-0406	1/4"	9/16-18	9/16-18	10,0	12,0	19,0	30,5
1212564	-0604	3/8"	11/16-16	7/16-20	11,0	11,0	19,0	34,0
1207972	-0606	3/8"	11/16-16	9/16-18	11,0	12,0	22,0	32,0
1210723	-0608	3/8"	11/16-16	3/4-16	11,0	14,0	22,0	35,0
1208012	-0806	1/2"	13/16-16	9/16-18	13,0	12,0	22,0	37,5
1208013	-0808	1/2"	13/16-16	3/4-16	13,0	14,0	22,0	36,5
1207973	-0810	1/2"	13/16-16	7/8-14	13,0	16,0	27,0	40,5
1212565	-0812	1/2"	13/16-16	1 1/16-12	13,0	18,5	32,0	44,5
1208014	-1008	5/8"	1-14	3/4-16	15,5	14,0	27,0	45,0
1206965	-1010	5/8"	1-14	7/8-14	15,5	16,0	27,0	43,0
1207968	-1012	5/8"	1-14	1 1/16-12	15,5	18,5	32,0	47,0
1212566	-1210	3/4"	1 3/16-12	7/8-14	17,0	16,0	32,0	50,5
1207592	-1212	3/4"	1 3/16-12	1 1/16-12	17,0	18,0	32,0	48,5
1207561	-1216	3/4"	1 3/16-12	1 5/16-12	17,0	18,5	41,0	50,0
1212567	-1220	3/4"	1 3/16-12	1 5/8-12	17,0	18,5	46,0	50,5
1210721	-1612	1"	1 7/16-12	1 1/16-12	17,5	18,5	41,0	54,0
1208015	-1616	1"	1 7/16-12	1 5/16-12	17,5	18,5	41,0	50,5
1210777	-1620	1"	1 7/16-12	1 5/8-12	17,5	18,5	46,0	52,0
1212568	-2016	1 1/4"	1 11/16-12	1 5/16-12	17,5	18,5	46,0	58,0
1210778	-2020	1 1/4"	1 11/16-12	1 5/8-12	17,5	18,5	46,0	52,0
1211534	-2424	1 1/2"	2-12	1 7/8-12	17,5	18,5	55,0	54,0

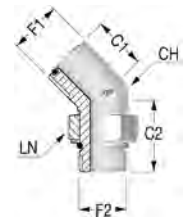
### // R1A245130J

**Long connector ORFS Male - SAE UNF/UN Male with O-Ring**



Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	L
	Dash	in						
1212556	-0404	1/4"	9/16-18	7/16-20	34,0	9,0	17,0	52,5
1212557	-0606	3/8"	11/16-16	9/16-18	37,0	10,0	22,0	58,0
1212558	-0808	1/2"	13/16-16	3/4-16	44,0	11,0	22,0	68,0
1212559	-1010	5/8"	1-14	7/8-14	52,0	12,5	27,0	79,5
1212560	-1212	3/4"	1 3/16-12	1 1/16-12	64,0	15,0	32,0	95,5
1212561	-1616	1"	1 7/16-12	1 5/16-12	72,5	15,0	41,0	105,0
1212562	-2020	1 1/4"	1 11/16-12	1 5/8-12	86,0	15,0	46,0	121,0
1212563	-2424	1 1/2"	2-12	1 7/8-12	97,0	15,0	55,0	133,5

Dimensions shown may be changed without prior notice

**// R1A2454305****45° adjustable elbow connector ORFS Male - SAE UNF/UN Male with O-Ring**

Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in						
1210808	-0404	1/4"	9/16-18	7/16-20	16,0	30,0	14,0	16,0
1210809	-0406	1/4"	9/16-18	9/16-18	17,5	33,0	14,0	19,0
1210810	-0604	3/8"	11/16-16	7/16-20	19,0	31,0	17,0	16,0
1210722	-0606	3/8"	11/16-16	9/16-18	19,0	33,0	17,0	19,0
1207936	-0608	3/8"	11/16-16	3/4-16	19,0	36,5	19,0	24,0
1210811	-0806	1/2"	13/16-16	9/16-18	20,5	32,5	19,0	19,0
1210812	-0808	1/2"	13/16-16	3/4-16	20,5	36,5	19,0	24,0
1210813	-0810	1/2"	13/16-16	7/8-14	21,0	45,0	22,0	27,0
1211543	-1008	5/8"	1-14	3/4-16	23,5	40,5	27,0	24,0
1210814	-1010	5/8"	1-14	7/8-14	23,5	45,0	27,0	27,0
1210815	-1012	5/8"	1-14	1 1/16-12	24,5	50,0	27,0	32,0
1210816	-1210	3/4"	1 3/16-12	7/8-14	26,0	46,0	30,0	27,0
1207975	-1212	3/4"	1 3/16-12	1 1/16-12	26,0	44,0	27,0	32,0
1211544	-1216	3/4"	1 3/16-12	1 5/16-12	29,5	52,5	36,0	41,0
1207974	-1612	1"	1 7/16-12	1 1/16-12	30,0	51,5	33,0	32,0
1210817	-1616	1"	1 7/16-12	1 5/16-12	30,0	52,5	36,0	41,0
1211545	-1620	1"	1 7/16-12	1 5/8-12	32,0	53,5	41,0	50,0
1211546	-2020	1"1/4	1 11/16-12	1 5/8-12	32,0	48,5	41,0	50,0
1211547	-2424	1"1/2	2-12	1 7/8-12	33,5	48,5	48,0	55,0

**// R1A2459305**

**90° adjustable elbow connector ORFS Male - SAE UNF/UN Male with O-Ring**



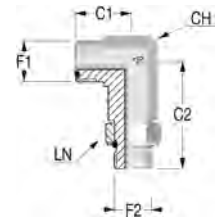
Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in						
1207980	-0404	1/4"	9/16-18	7/16-20	22,5	32,5	14,0	16,0
1207976	-0406	1/4"	9/16-18	9/16-18	23,5	37,0	14,0	19,0
1208016	-0604	3/8"	11/16-16	7/16-20	25,0	35,0	17,0	17,0
1207497	-0606	3/8"	11/16-16	9/16-18	25,0	37,0	17,0	19,0
1210724	-0608	3/8"	11/16-16	3/4-16	26,5	40,5	19,0	24,0
1210725	-0806	1/2"	13/16-16	9/16-18	28,0	36,5	19,0	19,0
1207596	-0808	1/2"	13/16-16	3/4-16	28,0	40,5	19,0	24,0
1207970	-0810	1/2"	13/16-16	7/8-14	31,0	50,0	22,0	27,0
1210726	-1008	5/8"	1-14	3/4-16	33,5	46,0	27,0	24,0
1207971	-1010	5/8"	1-14	7/8-14	33,5	50,0	27,0	27,0
1207969	-1012	5/8"	1-14	1 1/16-12	36,0	55,0	27,0	32,0
1210756	-1210	3/4"	1 3/16-12	7/8-14	37,5	51,0	30,0	27,0
1207977	-1212	3/4"	1 3/16-12	1 1/16-12	37,5	55,0	30,0	32,0
1210711	-1216	3/4"	1 3/16-12	1 5/16-12	41,5	60,0	36,0	41,0
1207978	-1612	1"	1 7/16-12	1 1/16-12	42,0	59,0	33,0	32,0
1210757	-1616	1"	1 7/16-12	1 5/16-12	42,0	60,0	36,0	41,0
1211561	-1620	1"	1 7/16-12	1 5/8-12	45,0	62,0	41,0	50,0
1211562	-2016	1"1/4	1 11/16-12	1 5/16-12	45,0	62,0	41,0	41,0
1211563	-2020	1"1/4	1 11/16-12	1 5/8-12	44,5	62,0	41,0	50,0
1211564	-2024	1"1/4	1 11/16-12	1 7/8-12	49,0	66,0	48,0	55,0
1211565	-2424	1"1/2	2-12	1 7/8-12	49,0	66,0	48,0	55,0



Dimensions shown may be changed without prior notice

### // R1A245930J

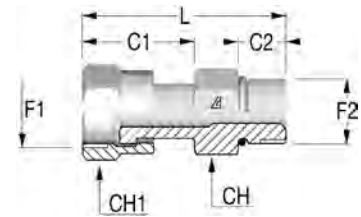
90° adjustable long elbow connector ORFS Male - SAE UNF/UN Male with O-Ring



Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH	LN
	Dash				mm	mm	mm	mm
1212635	-0404	1/4"	9/16-18	7/16-20	21,5	56,5	14,0	16,0
1212636	-0406	1/4"	9/16-18	9/16-18	23,5	66,0	14,0	19,0
1212637	-0606	3/8"	11/16-16	9/16-18	25,0	66,0	17,0	19,0
1212638	-0608	3/8"	11/16-16	3/4-16	26,5	75,0	19,0	24,0
1212639	-0808	1/2"	13/16-16	3/4-16	28,0	75,0	19,0	24,0
1212640	-0810	1/2"	13/16-16	7/8-14	31,0	89,0	22,0	27,0
1212641	-1010	5/8"	1-14	7/8-14	33,5	89,0	27,0	27,0
1212642	-1012	5/8"	1-14	1 1/16-12	36,0	101,0	27,0	32,0
1212643	-1212	3/4"	1 3/16-12	1 1/16-12	37,5	101,0	30,0	32,0
1212644	-1216	3/4"	1 3/16-12	1 5/16-12	41,5	114,0	36,0	41,0
1212645	-1616	1"	1 7/16-12	1 5/16-12	42,0	114,0	36,0	41,0
1212646	-1620	1"	1 7/16-12	1 5/8-12	45,0	126,0	41,0	50,0
1212647	-2020	1 1/4"	1 11/16-12	1 5/8-12	45,0	126,0	41,0	50,0
1212648	-2024	1 1/4"	1 11/16-12	1 7/8-12	49,0	139,0	48,0	55,0
1212649	-2424	1 1/2"	2-12	1 7/8-12	49,0	139,0	48,0	55,0

### // R1A2411305

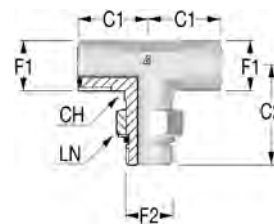
Straight connector ORFS Female - SAE UNF/UN Male with O-Ring



Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH	CH1	L
	Dash/mm				mm	mm	mm	mm	mm
1212508	-0404	1/4"	9/16-18	7/16-20	24,4	11,0	17,0	19,0	45,2
1212509	-0606	3/8"	11/16-16	9/16-18	27,5	12,0	19,0	22,0	50,0
1212510	-0808	1/2"	13/16-16	3/4-16	33,0	14,0	22,0	24,0	60,0
1208302	-1008	5/8"	1-14	3/4-16	37,5	14,0	24,0	30,0	65,0
1212511	-1010	5/8"	1-14	7/8-14	37,5	16,0	27,0	30,0	66,5
1212512	-1212	3/4"	1 3/16-12	1 1/16-12	41,5	18,0	32,0	36,0	73,5
1212513	-1616	1"	1 7/16-12	1 5/16-12	43,8	18,5	41,0	41,0	82,0
1212514	-2020	1 1/4"	1 11/16-12	1 5/8-12	43,8	18,5	50,0	50,0	82,0
1212515	-2424	1 1/2"	2-12	1 7/8-12	47,5	18,5	55,0	60,0	81,0

**// R1A245T305**

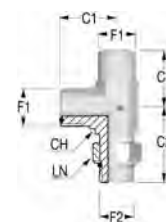
**Branch Tee adjustable elbow connector ORFS Male - SAE UNF/  
UN Male with O-Ring**



Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH mm	LN mm
	Dash				mm	mm		
1210720	-0404	1/4"	9/16-18	7/16-20	21,5	32,5	14,0	16,0
1210780	-0606	3/8"	11/16-16	9/16-18	25,0	37,0	17,0	19,0
1210781	-0808	1/2"	13/16-16	3/4-16	28,0	40,5	19,0	24,0
1210782	-1010	5/8"	1-14	7/8-14	33,5	50,0	27,0	27,0
1210783	-1212	3/4"	1 3/16-12	1 1/16-12	37,5	55,0	30,0	32,0
1211521	-1616	1"	1 7/16-12	1 5/16-12	42,0	60,0	36,0	41,0
1211522	-2020	1 1/4"	1 11/16-12	1 5/8-12	45,0	62,0	41,0	50,0
1211523	-2424	1 1/2"	2-12	1 7/8-12	49,0	66,0	48,0	55,0

**// R1A245L305**

**Run Tee adjustable elbow connector ORFS Male - SAE UNF/UN  
Male with O-Ring**



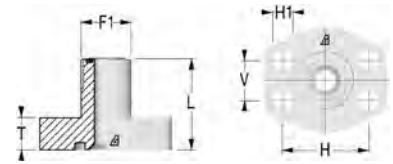
Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH mm	LN mm
	Dash				mm	mm		
1210798	-0404	1/4"	9/16-18	7/16-20	21,5	32,5	14,0	16,0
1210799	-0606	3/8"	11/16-16	9/16-18	25,0	37,0	17,0	19,0
1210818	-0808	1/2"	13/16-16	3/4-16	28,0	40,5	19,0	24,0
1210819	-1010	5/8"	1-14	7/8-14	33,5	50,0	27,0	27,0
1211509	-1212	3/4"	1 3/16-12	1 1/16-12	37,5	55,0	30,0	32,0
1211510	-1616	1"	1 7/16-12	1 5/16-12	42,0	60,0	36,0	41,0
1211511	-2020	1 1/4"	1 11/16-12	1 5/8-12	45,0	62,0	41,0	50,0
1211512	-2424	1 1/2"	2-12	1 7/8-12	49,0	66,0	48,0	55,0

Dimensions shown may be changed without prior notice

## // FLANGES

## // R1A245133W

Straight flange SAE J518 code 61 - ORFS Male - Low pressure



Item Code	Head / Flange	OD1 in	F1	Flange Size	L	T	H	V	H1
	Dash				mm	mm	mm	mm	mm
1212569	-0608	3/8"	11/16-16	1/2	37,0	14,0	38,1	17,5	9,0
1212570	-0808	1/2"	13/16-16	1/2	39,0	14,0	38,1	17,5	9,0
1212571	-1008	5/8"	1-14	1/2	40,0	14,0	38,1	17,5	9,0
1212572	-1012	5/8"	1-14	3/4	44,0	15,0	47,6	22,2	11,0
1212573	-1212	3/4"	1 3/16-12	3/4	45,0	15,0	47,6	22,2	11,0
1212574	-1216	3/4"	1 3/16-12	1	48,0	17,0	52,4	26,2	11,0
1212575	-1616	1"	1 7/16-12	1	49,0	17,0	52,4	26,2	11,0
1212576	-1620	1"	1 7/16-12	1 1/4	55,0	21,0	58,7	30,2	11,5
1212577	-2020	1"1/4	1 11/16-12	1 1/4	55,0	21,0	58,7	30,2	11,5
1212578	-2024	1"1/4	1 11/16-12	1 1/2	59,0	24,0	69,9	35,7	13,5
1212579	-2424	1"1/2	2-12	1 1/2	61,0	24,0	69,9	35,7	13,5

## // R1A245136W

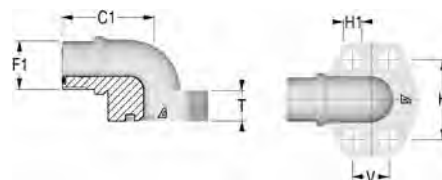
Straight flange SAE J518 code 62 - ORFS Male - High pressure



Item Code	Head / Flange	OD1 in	F1	Flange Size	L	T	H	V	H1
	Dash				mm	mm	mm	mm	mm
1212580	-0608	3/8"	11/16-16	1/2	37,0	15,0	40,5	18,2	9,0
1212581	-0808	1/2"	13/16-16	1/2	39,0	15,0	40,5	18,2	9,0
1212582	-1008	5/8"	1-14	1/2	40,0	15,0	40,5	18,2	9,0
1212583	-1012	5/8"	1-14	3/4	44,0	17,0	50,8	23,8	11,0
1212584	-1212	3/4"	1 3/16-12	3/4	45,0	17,0	50,8	23,8	11,0
1212585	-1216	3/4"	1 3/16-12	1	48,0	21,0	57,2	27,8	13,0
1212586	-1616	1"	1 7/16-12	1	49,0	21,0	57,2	27,8	13,0
1212587	-1620	1"	1 7/16-12	1 1/4	55,0	24,0	66,7	31,8	15,0
1212588	-2020	1"1/4	1 11/16-12	1 1/4	55,0	24,0	66,7	31,8	15,0
1212589	-2024	1"1/4	1 11/16-12	1 1/2	59,0	27,0	79,4	36,5	17,0
1212590	-2424	1"1/2	2-12	1 1/2	61,0	27,0	79,4	36,5	17,0

**// R1A245933W**

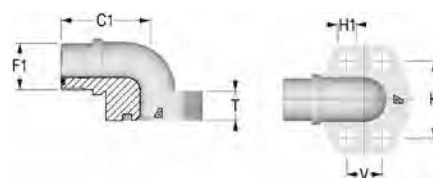
**90° flange SAE J518 code 61 - ORFS Male - Low pressure**



Item Code	Head / Flange	OD1 in	F1	Flange size	C1	T	H	V	H1
	Dash				mm	mm	mm	mm	mm
1212650	-0608	3/8"	11/16-16	1/2	37,0	17,0	38,1	17,5	9,0
1212651	-0808	1/2"	13/16-16	1/2	39,0	17,0	38,1	17,5	9,0
1212652	-1008	5/8"	1-14	1/2	40,0	20,0	38,1	17,5	9,0
1212653	-1012	5/8"	1-14	3/4	44,0	20,0	47,6	22,2	11,0
1212654	-1212	3/4"	1 3/16-12	3/4	45,0	25,0	47,6	22,2	11,0
1212655	-1216	3/4"	1 3/16-12	1	48,0	25,0	52,4	26,2	11,0
1212656	-1616	1"	1 7/16-12	1	49,0	31,0	52,4	26,2	11,0
1212657	-1620	1"	1 7/16-12	1 1/4	55,0	31,0	58,7	30,2	11,5
1212658	-2020	1"1/4	1 11/16-12	1 1/4	55,0	31,0	58,7	30,2	11,5
1212659	-2024	1"1/4	1 11/16-12	1 1/2	59,0	31,0	69,9	35,7	13,5
1212660	-2424	1"1/2	2-12	1 1/2	61,0	37,0	69,9	35,7	13,5

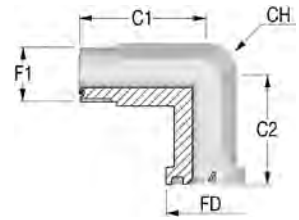
**// R1A245936W**

**90° flange SAE J518 code 62 - ORFS Male - High pressure**

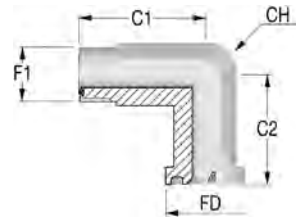


Item Code	Head / Flange	OD1 in	F1	Flange size	C1	T	H	V	H1
	Dash				mm	mm	mm	mm	mm
1212670	-0608	3/8"	11/16-16	1/2	37,0	17,0	40,5	18,2	9,0
1212671	-0808	1/2"	13/16-16	1/2	39,0	17,0	40,5	18,2	9,0
1212672	-1008	5/8"	1-14	1/2	40,0	20,0	40,5	18,2	9,0
1212673	-1012	5/8"	1-14	3/4	44,0	20,0	50,8	23,8	11,0
1212674	-1212	3/4"	1 3/16-12	3/4	45,0	25,0	50,8	23,8	11,0
1212675	-1216	3/4"	1 3/16-12	1	48,0	25,0	57,2	27,8	13,0
1212676	-1616	1"	1 7/16-12	1	49,0	31,0	57,2	27,8	13,0
1212677	-1620	1"	1 7/16-12	1 1/4	55,0	31,0	66,7	31,8	15,0
1212678	-2020	1"1/4	1 11/16-12	1 1/4	55,0	31,0	66,7	31,8	15,0
1212679	-2024	1"1/4	1 11/16-12	1 1/2	59,0	37,0	79,4	36,5	17,0
1212680	-2424	1"1/2	2-12	1 1/2	61,0	37,0	79,4	36,5	17,0

Dimensions shown may be changed without prior notice

**// R1A2459334****90° adjustable flange SAE J518 code 61 - ORFS Male - Low pressure**

Item Code	Head / Flange	OD1 in	F1	Flange size	C1	C2	FD	CH
	Dash				mm	mm		
1212662	-0808	1/2"	13/16-16	1/2	48,0	42,0	30,2	22,0
1212663	-1008	5/8"	1-14	1/2	50,0	44,0	30,2	22,0
1212664	-1212	3/4"	1 3/16-12	3/4	64,0	53,0	38,1	27,0
1212665	-1616	1"	1 7/16-12	1	65,0	60,0	44,4	34,0
1212666	-1620	1"	1 7/16-12	1 1/4	64,0	55,0	50,8	42,0
1212667	-2020	1 1/4"	1 11/16-12	1 1/4	64,0	55,0	50,8	42,0
1212668	-2024	1 1/4"	1 11/16-12	1 1/2	78,0	66,0	60,3	50,0
1212669	-2424	1 1/2"	2-12	1 1/2	78,0	66,0	60,3	50,0

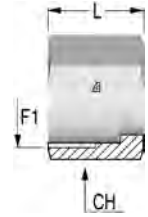
**// R1A2459364****90° adjustable flange SAE J518 code 62 - ORFS Male - High pressure**

Item Code	Head / Flange	OD1 in	F1	Flange size	C1	C2	FD	CH
	Dash				mm	mm		
1212681	-0608	3/8"	11/16-16	1/2	50,0	44,0	31,8	22,0
1212682	-0808	1/2"	13/16-16	1/2	43,0	49,0	31,8	22,0
1212683	-1008	5/8"	1-14	1/2	50,0	44,0	31,8	22,0
1212684	-1012	5/8"	1-14	3/4	64,0	53,0	41,3	27,0
1212685	-1212	3/4"	1 3/16-12	3/4	64,0	53,0	41,3	27,0
1212686	-1216	3/4"	1 3/16-12	1	62,0	60,0	47,6	34,0
1212687	-1616	1"	1 7/16-12	1	62,0	60,0	47,6	34,0
1212688	-1620	1"	1 7/16-12	1 1/4	72,0	70,0	54,0	42,0
1212689	-2020	1 1/4"	1 11/16-12	1 1/4	72,0	70,0	54,0	42,0
1212690	-2024	1 1/4"	1 11/16-12	1 1/2	84,0	80,0	63,5	50,0
1212691	-2424	1 1/2"	2-12	1 1/2	84,0	80,0	63,5	50,0

## // ACCESSORIES

## // HX0D2403

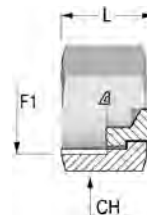
## Nut ORFS



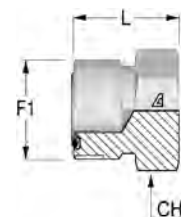
Item Code	Head	OD1 mm	F1	CH	L mm
	Dash			mm	
1223385	-0400	6	9/16-18	17,0	14,50
1221423	-0600	8	11/16-16	22,0	17,00
1209980	-0800	12	13/16-16	24,0	21,00
1209992	-1000	14	1-14	30,0	23,50
1210042	-1200	18	1 3/16-12	36,0	26,00
1217528	-1600	22	1 7/16-12	41,0	28,00
1217529	-2000	28	1 11/16-12	50,0	28,00
1217530	-2400	35	2-12	57,0	28,00

Dimensions shown may be changed without prior notice

## // PLUG

// R1A2431000  
Cap ORFS Female

Item Code	Head	OD1	F1	CH	L
	Dash	in		mm	mm
1207932	-0400	1/4"	9/16-18	17,0	17,0
1207711	-0600	3/8"	11/16-16	22,0	20,0
1207933	-0800	1/2"	13/16-16	24,0	23,0
1208261	-1000	5/8"	1-14	30,0	27,0
1208260	-1200	3/4"	1 3/16-12	36,0	30,0
1208259	-1600	1"	1 7/16-12	41,0	31,0
1208258	-2000	1 1/4"	1 11/16-12	50,0	31,0
1210844	-2400	1 1/2"	2-12	57,0	31,0

// R1A2451000  
Plug ORFS Male

Item Code	Head	OD1	F1	CH	L
	Dash	in		mm	mm
1207934	-0400	1/4"	9/16-18	17,0	16,5
1207772	-0600	3/8"	11/16-16	19,0	19,0
1207935	-0800	1/2"	13/16-16	22,0	22,0
1208215	-1000	5/8"	1-14	27,0	26,0
1208216	-1200	3/4"	1 3/16-12	32,0	27,5
1208217	-1600	1"	1 7/16-12	41,0	28,0
1208218	-2000	1 1/4"	1 11/16-12	46,0	28,0
1210824	-2400	1 1/2"	2-12	55,0	28,0



## // BSP ADAPTERS

// MALE UNION.....	261
// MALE / FEMALE UNION .....	263
// FEMALE UNION .....	265
// BULKHEAD.....	266

// BSPP .....	267
// FLANGES .....	270
// PLUG .....	273

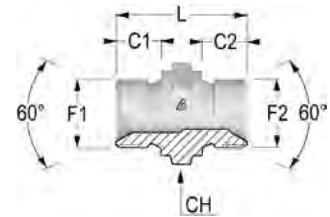


Dimensions shown may be changed without prior notice

## // MALE UNION

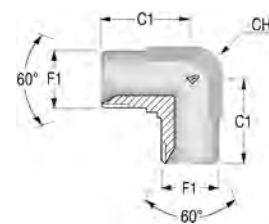
## // R1A05M105M

## Straight union BSP 60° Male



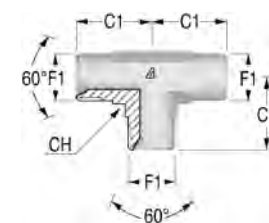
Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH mm	L mm
	Dash				mm	mm		
1203778	-0202	1/8"	1/8-28	1/8-28	8,0	8,0	14,0	25,0
1207670	-0204	1/8"	1/8-28	1/4-19	8,0	11,0	19,0	27,5
1212029	-0206	1/8"	1/8-28	3/8-19	8,0	12,0	22,0	30,0
1212030	-0208	1/8"	1/8-28	1/2-14	8,0	14,0	27,0	33,0
1203775	-0404	1/4"	1/4-19	1/4-19	11,0	11,0	19,0	31,0
1207671	-0406	1/4"	1/4-19	3/8-19	11,0	12,0	22,0	33,5
1207672	-0408	1/4"	1/4-19	1/2-14	11,0	14,0	27,0	36,0
1208335	-0412	1/4"	1/4-19	3/4-14	11,0	16,0	32,0	39,5
1203798	-0606	3/8"	3/8-19	3/8-19	12,0	12,0	22,0	35,0
1207673	-0608	3/8"	3/8-19	1/2-14	12,0	14,0	27,0	37,5
1212031	-0610	3/8"	3/8-19	5/8-14	12,0	16,0	30,0	40,5
1207701	-0612	3/8"	3/8-19	3/4-14	12,0	16,0	32,0	41,0
1212032	-0616	3/8"	3/8-19	1-11	12,0	18,0	41,0	46,0
1203766	-0808	1/2"	1/2-14	1/2-14	14,0	14,0	27,0	40,0
1212033	-0810	1/2"	1/2-14	5/8-14	14,0	16,0	30,0	43,0
1207674	-0812	1/2"	1/2-14	3/4-14	14,0	16,0	32,0	43,5
1212034	-0816	1/2"	1/2-14	1-11	14,0	18,0	41,0	48,0
1212035	-0820	1/2"	1/2-14	1 1/4-11	14,0	20,0	50,0	52,0
1212036	-0824	1/2"	1/2-14	1 1/2-11	14,0	22,0	55,0	56,0
1203803	-1010	5/8"	5/8-14	5/8-14	16,0	16,0	30,0	45,0
1208252	-1012	5/8"	5/8-14	3/4-14	16,0	16,0	32,0	45,5
1205572	-1016	5/8"	5/8-14	1-11	16,0	18,0	41,0	50,0
1212037	-1020	5/8"	5/8-14	1 1/4-11	16,0	20,0	50,0	54,0
1203789	-1212	3/4"	3/4-14	3/4-14	16,0	16,0	32,0	45,5
1207675	-1216	3/4"	3/4-14	1-11	16,0	18,0	41,0	50,0
1208293	-1220	3/4"	3/4-14	1 1/4-11	16,0	20,0	50,0	54,0
1212038	-1224	3/4"	3/4-14	1 1/2-11	16,0	22,0	55,0	58,0
1203747	-1616	1"	1-11	1-11	18,0	18,0	41,0	52,0
1207676	-1620	1"	1-11	1 1/4-11	18,0	20,0	50,0	56,0
1207677	-1624	1"	1-11	1 1/2-11	18,0	22,0	55,0	60,0
1203757	-2020	1 1/4"	1 1/4-11	1 1/4-11	20,0	20,0	50,0	58,0
1208195	-2024	1 1/4"	1 1/4-11	1 1/2-11	20,0	22,0	55,0	62,0
1212040	-2032	1 1/4"	1 1/4-11	2-11	20,0	24,0	70,0	64,5
1203751	-2424	1 1/2"	1 1/2-11	1 1/2-11	22,0	22,0	55,0	64,0
1205940	-2432	1 1/2"	1 1/2-11	2-11	22,0	24,0	70,0	66,5
1203780	-3232	2"	2-11	2-11	24,0	24,0	70,0	69,0

**// R1A05M905M**  
**90° union BSP 60° Male**



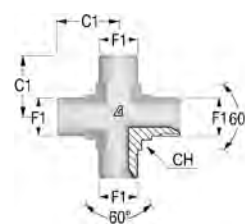
Item Code	Head 1 / Head 2	OD1	F1	C1	CH
	Dash	in		mm	mm
1207905	-0202	1/8"	1/8-28	20,0	12,0
1207505	-0404	1/4"	1/4-19	26,0	14,0
1206438	-0606	3/8"	3/8-19	30,0	17,0
1207542	-0808	1/2"	1/2-14	35,0	22,0
1212187	-1010	5/8"	5/8-14	38,0	22,0
1203905	-1212	3/4"	3/4-14	42,0	27,0
1208198	-1616	1"	1-11	47,0	33,0
1208199	-2020	1 1/4"	1 1/4-11	52,0	41,0
1210968	-2424	1 1/2"	1 1/2-11	60,0	48,0

**// R1A05MT05M**  
**Branch Tee union BSP 60° Male**



Item Code	Head 1 / Head 2	OD1	F1	C1	CH
	Dash	in		mm	mm
1211959	-0202	1/8"	1/8-28	20,0	12,0
1203955	-0404	1/4"	1/4-19	26,0	14,0
1203956	-0606	3/8"	3/8-19	30,0	17,0
1206940	-0808	1/2"	1/2-14	35,0	22,0
1211960	-1010	5/8"	5/8-14	38,0	22,0
1207236	-1212	3/4"	3/4-14	42,0	27,0
1206450	-1616	1"	1-11	47,0	33,0
1208144	-2020	1 1/4"	1 1/4-11	52,0	41,0
1208145	-2424	1 1/2"	1 1/2-11	60,0	48,0

**// R1A05MX05M**  
**Cross union BSP 60° Male**



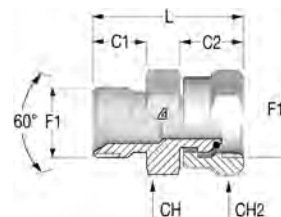
Item Code	Head 1 / Head 2	OD1	F1	C1	CH
	Dash	in		mm	mm
1212021	-0202	1/8"	1/8-28	20,0	12,0
1212022	-0404	1/4"	1/4-19	26,0	14,0
1212023	-0606	3/8"	3/8-19	30,0	17,0
1206941	-0808	1/2"	1/2-14	35,0	22,0
1212024	-1010	5/8"	5/8-14	38,0	22,0
1212025	-1212	3/4"	3/4-14	42,0	27,0
1212026	-1616	1"	1-11	47,0	33,0
1212027	-2020	1 1/4"	1 1/4-11	52,0	41,0
1212028	-2424	1 1/2"	1 1/2-11	60,0	48,0

Dimensions shown may be changed without prior notice

## // MALE / FEMALE UNION

### // R1A05M1051

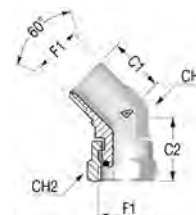
Straight union BSP 60° Male - Female



Item Code	Head 1 / Head 2	OD1	F1	C1	C2	CH	CH2	L
	Dash							
1216217	-0202	1/8"	1/8-28	9,5	13,0	14,0	14,0	29,0
1207697	-0404	1/4"	1/4-19	13,0	15,5	19,0	19,0	33,5
1207698	-0606	3/8"	3/8-19	14,5	17,7	22,0	22,0	38,7
1207699	-0808	1/2"	1/2-14	17,0	19,0	27,0	27,0	43,0
1207700	-1212	3/4"	3/4-14	19,0	22,0	32,0	32,0	50,0
1207686	-1616	1"	1-11	21,0	25,5	41,0	38,0	59,5
1207783	-2020	1"1/4	1 1/4-11	20,0	31,1	50,0	50,0	69,1
1207784	-2424	1"1/2	1 1/2-11	22,0	35,0	55,0	55,0	75,0

### // R1A05M4051

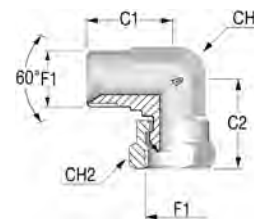
45° union BSP 60° Male - Female



Item Code	Head 1 / Head 2	OD1	F1	C1	C2	CH	CH2
	Dash						
1212126	-0202	1/8"	1/8-28	16,0	20,5	12,0	14,0
1212145	-0404	1/4"	1/4-19	21,0	25,5	14,0	19,0
1212146	-0606	3/8"	3/8-19	24,0	31,2	17,0	22,0
1207907	-0808	1/2"	1/2-14	27,0	35,5	22,0	27,0
1207786	-1212	3/4"	3/4-14	32,0	39,0	27,0	32,0
1210963	-1616	1"	1-11	35,0	42,5	33,0	38,0
1212148	-2020	1"1/4	1 1/4-11	37,0	44,1	41,0	50,0
1212149	-2424	1"1/2	1 1/2-11	46,0	59,2	48,0	55,0

**// R1A05M9051**

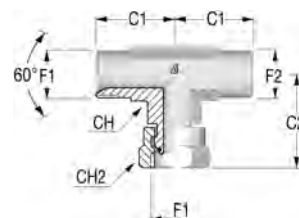
**90° union BSP 60° Male - Female**



Item Code	Head 1 / Head 2	OD1 in	F1	C1	C2	CH	CH2
	Dash			mm	mm	mm	mm
1218490	-0202	1/8"	1/8-28	22,0	26,5	12,0	14,0
1207702	-0404	1/4"	1/4-19	26,0	30,5	14,0	19,0
1207703	-0606	3/8"	3/8-19	30,0	36,2	17,0	22,0
1207704	-0808	1/2"	1/2-14	35,0	41,5	22,0	27,0
1212219	-1010	5/8"	5/8-14	38,0	47,7	22,0	27,0
1207946	-1212	3/4"	3/4-14	42,0	51,0	27,0	32,0
1207947	-1616	1"	1-11	47,0	54,5	33,0	38,0
1207948	-2020	1 1/4"	1 1/4-11	52,0	59,1	41,0	50,0
1208137	-2424	1 1/2"	1 1/2-11	60,0	73,2	48,0	55,0

**// R1A05MT051**

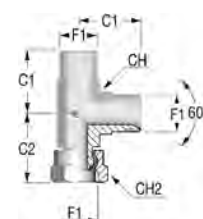
**Branch Tee union BSP 60° Male - Female**



Item Code	Head 1 / Head 2	OD1 in	F1	C1	C2	CH	CH2
	Dash			mm	mm	mm	mm
1211970	-0202	1/8"	1/8-28	22,0	27,0	12,0	14,0
1207705	-0404	1/4"	1/4-19	26,0	30,5	14,0	19,0
1207706	-0606	3/8"	3/8-19	30,0	36,2	17,0	22,0
1207707	-0808	1/2"	1/2-14	35,0	41,5	22,0	27,0
1211982	-1010	5/8"	5/8-14	38,0	47,7	22,0	27,0
1207708	-1212	3/4"	3/4-14	42,0	51,0	27,0	32,0
1207709	-1616	1"	1-11	47,0	54,5	33,0	38,0
1210950	-2020	1 1/4"	1 1/4-11	52,0	59,1	41,0	50,0
1211983	-2424	1 1/2"	1 1/2-11	60,0	73,2	48,0	55,0

**// R1A05ML051**

**Run Tee union BSP 60° Male - Female**



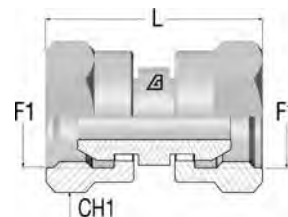
Item Code	Head 1 / Head 2	OD1 in	F1	C1	C2	CH	CH2
	Dash			mm	mm	mm	mm
1211908	-0202	1/8"	1/8-28	22,0	26,5	12,0	14,0
1207787	-0404	1/4"	1/4-19	26,0	30,5	14,0	19,0
1207788	-0606	3/8"	3/8-19	30,0	36,2	17,0	22,0
1207789	-0808	1/2"	1/2-14	35,0	41,5	22,0	27,0
1207790	-1212	3/4"	3/4-14	42,0	51,0	27,0	32,0
1207791	-1616	1"	1-11	47,0	54,5	33,0	38,0
1210946	-2020	1 1/4"	1 1/4-11	52,0	59,1	41,0	50,0
1211921	-2424	1 1/2"	1 1/2-11	60,0	73,2	48,0	55,0

Dimensions shown may be changed without prior notice

## // FEMALE UNION

### // R1A0511051

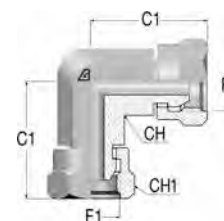
**Straight union BSP 60° Female**



Item Code	Head 1 / Head 2	OD1	F1	CH1	L
	Dash	in		mm	mm
1205935	-0404	1/4"	1/4-19	19,0	36,0
1205934	-0606	3/8"	3/8-19	22,0	38,9
1205936	-0808	1/2"	1/2-14	27,0	44,5
1207901	-1212	3/4"	3/4-14	32,0	49,5
1203738	-1616	1"	1-11	38,0	56,0

### // R1A0519051

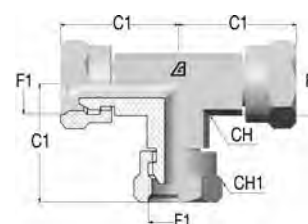
**90° union BSP 60° Female**



Item Code	Head 1 / Head 2	OD1	F1	C1	CH	CH1
	Dash	in		mm	mm	mm
1224079	-0404	1/4"	1/4-19	30,5	14,0	19,0
1224080	-0606	3/8"	3/8-19	36,2	17,0	22,0
1208320	-0808	1/2"	1/2-14	41,5	22,0	27,0
1224081	-1212	3/4"	3/4-14	51,0	27,0	32,0
1224082	-1616	1"	1-11	54,5	33,0	38,0

### // R1A051T051

**Branch Tee union BSP 60° Female**

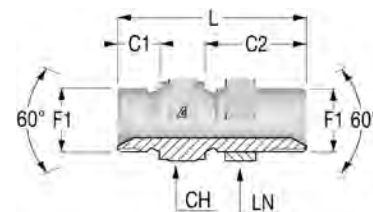


Item Code	Head 1 / Head 2	OD1	F1	C1	CH	CH1
	Dash	in		mm	mm	mm
1218501	-0404	1/4"	1/4-19	30,5	14,0	19,0
1218502	-0606	3/8"	3/8-19	36,2	17,0	22,0
1218503	-0808	1/2"	1/2-14	41,5	22,0	27,0
1206665	-1212	3/4"	3/4-14	51,0	27,0	32,0
1218505	-1616	1"	1-11	54,5	33,0	38,0

## // BULKHEAD

### // R1A05M105T

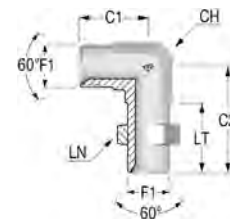
#### Straight union BSP 60° Bulkhead



Item Code	Head 1 / Head 2	OD1	F1	C1	C2	CH	LN	L
	Dash	in		mm	mm	mm	mm	mm
1212042	-0202	1/8"	1/8-28	9,5	25,0	14,0	14,0	40,5
1207678	-0404	1/4"	1/4-19	13,0	29,0	19,0	19,0	47,0
1207679	-0606	3/8"	3/8-19	14,5	31,0	22,0	22,0	51,5
1207680	-0808	1/2"	1/2-14	17,0	34,0	27,0	27,0	58,0
1207681	-1010	5/8"	5/8-14	19,0	37,0	30,0	32,0	63,0
1207682	-1212	3/4"	3/4-14	19,0	37,0	32,0	32,0	63,5
1207683	-1616	1"	1-11	21,0	41,0	41,0	41,0	72,0
1207684	-2020	1 1/4"	1 1/4-11	23,0	45,0	50,0	50,0	80,0
1210955	-2424	1 1/2"	1 1/2-11	25,0	49,0	55,0	55,0	88,0

### // R1A05M905T

#### 90° elbow connector BSP 60° Bulkhead



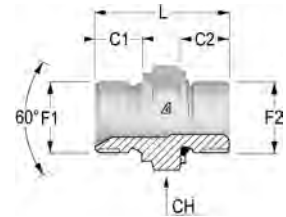
Item Code	Head 1 / Head 2	OD1	F1	C1	C2	CH	LN	LT
	Dash	in		mm	mm	mm	mm	mm
1212188	-0202	1/8"	1/8-28	20,0	37,0	12,0	14,0	25,0
1210969	-0404	1/4"	1/4-19	26,0	47,0	14,0	19,0	29,0
1210970	-0606	3/8"	3/8-19	30,0	49,0	17,0	22,0	31,0
1210971	-0808	1/2"	1/2-14	35,0	55,0	22,0	27,0	34,0
1212189	-1010	5/8"	5/8-14	38,0	59,0	22,0	32,0	37,0
1210972	-1212	3/4"	3/4-14	42,0	63,0	33,0	41,0	35,0
1210973	-1616	1"	1-11	47,0	69,0	33,0	41,0	41,0
1210974	-2020	1 1/4"	1 1/4-11	52,0	77,0	41,0	50,0	45,0
1210975	-2424	1 1/2"	1 1/2-11	60,0	87,0	48,0	55,0	49,0

Dimensions shown may be changed without prior notice

## // BSPP

### // R1A05M106N

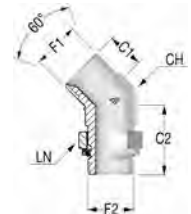
**Straight connector BSP 60° Male - BSPP cylindric Male with O-Ring and retaining ring**



Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH mm	L mm
	Dash				mm	mm		
1212043	-0202	1/8"	1/8-28	1/8-28	8,0	7,5	14,0	21,5
1212044	-0204	1/8"	1/8-28	1/4-19	8,0	11,0	19,0	28,0
1212045	-0404	1/4"	1/4-19	1/4-19	11,0	11,0	19,0	28,0
1212046	-0406	1/4"	1/4-19	3/8-19	11,0	11,0	22,0	31,0
1212047	-0604	3/8"	3/8-19	1/4-19	13,0	13,0	22,0	33,0
1212048	-0606	3/8"	3/8-19	3/8-19	13,0	11,0	22,0	34,0
1212049	-0608	3/8"	3/8-19	1/2-14	13,0	14,5	27,0	38,0
1212050	-0806	1/2"	1/2-14	3/8-19	16,0	11,0	27,0	35,0
1212051	-0808	1/2"	1/2-14	1/2-14	16,0	16,0	27,0	40,0
1212052	-0812	1/2"	1/2-14	3/4-14	16,0	14,5	32,0	40,0
1212053	-1008	5/8"	5/8-14	1/2-14	16,0	14,5	27,0	38,5
1236668	-1208	3/4"	3/4-14	1/2-14	17,0	14,5	32,0	44,0
1212055	-1212	3/4"	3/4-14	3/4-14	17,0	14,5	32,0	46,0
1212056	-1216	3/4"	3/4-14	1-11	17,0	18,5	41,0	52,0
1212057	-1612	1"	1-11	3/4-14	19,0	14,5	41,0	49,0
1212058	-1616	1"	1-11	1-11	19,0	18,5	41,0	55,0
1212059	-1620	1"	1-11	1 1/4-11	19,0	18,5	50,0	60,0
1212060	-2020	1 1/4"	1 1/4-11	1 1/4-11	20,0	18,5	50,0	62,5
1212061	-2424	1 1/2"	1 1/2-11	1 1/2-11	22,0	18,5	55,0	63,0

### // R1A05M406N

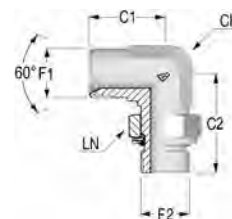
**45° adjustable elbow connector BSP 60° Male - BSPP cylindric Male with O-Ring and retaining ring**



Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH mm	LN mm
	Dash				mm	mm		
1212127	-0202	1/8"	1/8-28	1/8-28	20,0	26,0	12,0	14,0
1212128	-0204	1/8"	1/8-28	1/4-19	21,0	28,0	14,0	19,0
1210962	-0404	1/4"	1/4-19	1/4-19	21,0	28,0	14,0	19,0
1212129	-0406	1/4"	1/4-19	3/8-19	22,0	33,0	17,0	22,0
1212130	-0604	3/8"	3/8-19	1/4-19	25,0	30,0	17,0	19,0
1212131	-0606	3/8"	3/8-19	3/8-19	25,0	33,0	17,0	22,0
1212132	-0608	3/8"	3/8-19	1/2-14	25,5	38,0	19,0	27,0
1212133	-0806	1/2"	1/2-14	3/8-19	26,0	35,0	19,0	22,0
1212134	-0808	1/2"	1/2-14	1/2-14	28,0	38,0	22,0	27,0
1212135	-0810	1/2"	1/2-14	5/8-14	39,0	50,0	27,0	32,0
1212136	-1008	5/8"	5/8-14	1/2-14	28,0	38,0	22,0	27,0
1212137	-1208	3/4"	3/4-14	1/2-14	32,0	40,0	27,0	27,0
1212138	-1212	3/4"	3/4-14	3/4-14	32,0	44,0	27,0	36,0
1212139	-1216	3/4"	3/4-14	1-11	35,0	47,0	33,0	41,0
1212140	-1612	1"	1-11	3/4-14	37,0	47,0	33,0	36,0
1212141	-1616	1"	1-11	1-11	37,0	47,0	33,0	41,0
1212142	-1620	1"	1-11	1 1/4-11	39,0	49,0	41,0	50,0
1212143	-2020	1 1/4"	1 1/4-11	1 1/4-11	40,0	49,0	41,0	50,0
1212144	-2424	1 1/2"	1 1/2-11	1 1/2-11	45,0	49,0	48,0	55,0

**// R1A05M906N**

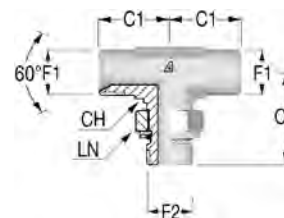
**90° adjustable elbow connector BSP 60° Male - BSPP cylindric Male with O-Ring and retaining ring**



Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH	LN
	Dash				mm	mm	mm	mm
1212191	-0202	1/8"	1/8-28	1/8-28	22,0	27,0	12,0	14,0
1212192	-0204	1/8"	1/8-28	1/4-19	24,0	31,5	14,0	19,0
1208135	-0404	1/4"	1/4-19	1/4-19	27,0	31,5	14,0	19,0
1212193	-0406	1/4"	1/4-19	3/8-19	28,0	37,0	17,0	22,0
1212194	-0604	3/8"	3/8-19	1/4-19	29,0	35,0	17,0	19,0
1207949	-0606	3/8"	3/8-19	3/8-19	29,0	37,0	17,0	22,0
1212195	-0608	3/8"	3/8-19	1/2-14	32,0	43,0	19,0	27,0
1212196	-0806	1/2"	1/2-14	3/8-19	34,0	40,0	19,0	22,0
1207950	-0808	1/2"	1/2-14	1/2-14	34,0	43,0	22,0	27,0
1212199	-1208	3/4"	3/4-14	1/2-14	41,0	46,0	27,0	27,0
1208136	-1212	3/4"	3/4-14	3/4-14	41,0	50,0	27,0	36,0
1212200	-1216	3/4"	3/4-14	1-11	43,0	53,0	33,0	41,0
1212201	-1612	1"	1-11	3/4-14	46,0	52,0	33,0	36,0
1210745	-1616	1"	1-11	1-11	46,0	53,0	33,0	41,0
1212202	-1620	1"	1-11	1 1/4-11	50,0	58,0	41,0	50,0
1210976	-2020	1 1/4"	1 1/4-11	1 1/4-11	51,0	58,0	41,0	50,0
1210977	-2424	1 1/2"	1 1/2-11	1 1/2-11	59,0	67,0	48,0	55,0

**// R1A05MT06N**

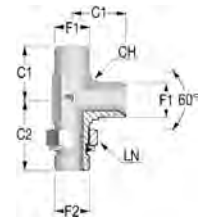
**Branch Tee adjustable elbow connector BSP 60° Male - BSPP cylindric Male with O-Ring and retaining ring**



Item Code	Head 1 / Head 2	OD1 in	F1	F2	C1	C2	CH	LN
	Dash				mm	mm	mm	mm
1211971	-0202	1/8"	1/8-28	1/8-28	22,0	27,0	12,0	14,0
1211972	-0204	1/8"	1/8-28	1/4-19	24,0	31,5	14,0	19,0
1208147	-0404	1/4"	1/4-19	1/4-19	27,0	31,5	14,0	19,0
1211973	-0406	1/4"	1/4-19	3/8-19	28,0	37,0	17,0	22,0
1211974	-0604	3/8"	3/8-19	1/4-19	29,0	35,0	17,0	19,0
1210749	-0606	3/8"	3/8-19	3/8-19	29,0	37,0	17,0	22,0
1211976	-0806	1/2"	1/2-14	3/8-19	34,0	40,0	19,0	22,0
1210713	-0808	1/2"	1/2-14	1/2-14	34,0	43,0	22,0	27,0
1211978	-1008	5/8"	5/8-14	1/2-14	37,0	43,0	22,0	27,0
1211979	-1208	3/4"	3/4-14	1/2-14	41,0	46,0	27,0	27,0
1210750	-1212	3/4"	3/4-14	3/4-14	41,0	50,0	27,0	36,0
1211980	-1216	3/4"	3/4-14	1-11	43,0	53,0	33,0	41,0
1211981	-1612	1"	1-11	3/4-14	46,0	52,0	33,0	36,0
1210947	-1616	1"	1-11	1-11	46,0	53,0	33,0	41,0
1207710	-1620	1"	1-11	1 1/4-11	50,0	58,0	41,0	50,0
1210948	-2020	1 1/4"	1 1/4-11	1 1/4-11	51,0	58,0	41,0	50,0
1210949	-2424	1 1/2"	1 1/2-11	1 1/2-11	59,0	67,0	48,0	55,0



Dimensions shown may be changed without prior notice

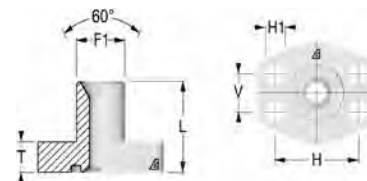
**// R1A05ML06N****Run Tee adjustable elbow connector BSP 60° Male - BSPP  
cylindric Male with O-Ring and retaining ring**

Item Code	Head 1 / Head 2	OD1	F1	F2	C1	C2	CH	LN
	Dash	in			mm	mm	mm	mm
1211909	-0202	1/8"	1/8-28	1/8-28	22,0	27,0	12,0	14,0
1211910	-0204	1/8"	1/8-28	1/4-19	24,0	31,5	14,0	19,0
1210746	-0404	1/4"	1/4-19	1/4-19	27,0	31,5	14,0	19,0
1211911	-0406	1/4"	1/4-19	3/8-19	28,0	37,0	17,0	22,0
1211912	-0604	3/8"	3/8-19	1/4-19	29,0	35,0	17,0	19,0
1208140	-0606	3/8"	3/8-19	3/8-19	29,0	37,0	17,0	22,0
1211913	-0608	3/8"	3/8-19	1/2-14	32,0	43,0	19,0	27,0
1211914	-0806	1/2"	1/2-14	3/8-19	34,0	40,0	19,0	22,0
1208141	-0808	1/2"	1/2-14	1/2-14	34,0	43,0	22,0	27,0
1211915	-0810	1/2"	1/2-14	5/8-14	39,0	50,0	27,0	32,0
1211916	-1008	5/8"	5/8-14	1/2-14	37,0	43,0	22,0	27,0
1211917	-1208	3/4"	3/4-14	1/2-14	41,0	46,0	27,0	27,0
1210715	-1212	3/4"	3/4-14	3/4-14	41,0	50,0	27,0	36,0
1211918	-1216	3/4"	3/4-14	1-11	43,0	53,0	33,0	41,0
1211919	-1612	1"	1-11	3/4-14	46,0	52,0	33,0	36,0
1210942	-1616	1"	1-11	1-11	46,0	53,0	33,0	41,0
1210943	-1620	1"	1-11	1 1/4-11	50,0	58,0	41,0	50,0
1210944	-2020	1"1/4	1 1/4-11	1 1/4-11	51,0	58,0	41,0	50,0
1210945	-2424	1"1/2	1 1/2-11	1 1/2-11	59,0	67,0	48,0	55,0

## // FLANGES

### // R1A05M133W

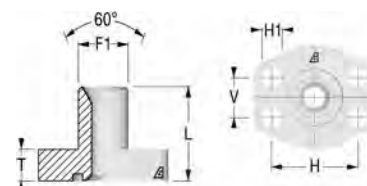
Straight flange SAE J518 code 61 - BSP - Low pressure



Item Code	Head / Flange	OD1 in	F1	Flange Size	L	T	H	V	H1
	Dash				mm	mm	mm	mm	mm
1212081	-0608	3/8"	3/8-19	1/2	37,0	14,0	38,1	17,5	9,0
1212082	-0808	1/2"	1/2-14	1/2	39,0	14,0	38,1	17,5	9,0
1212083	-0812	1/2"	1/2-14	3/4	42,0	15,0	47,6	22,2	11,0
1212084	-1208	3/4"	3/4-14	1/2	42,0	14,0	38,1	17,5	9,0
1212085	-1212	3/4"	3/4-14	3/4	45,0	15,0	47,6	22,2	11,0
1212086	-1216	3/4"	3/4-14	1	47,0	17,0	52,4	26,2	11,0
1212087	-1612	1"	1-11	3/4	47,0	15,0	47,6	22,2	11,0
1212088	-1616	1"	1-11	1	53,0	21,0	58,7	30,2	11,5
1212089	-2016	1 1/4"	1 1/4-11	1	49,0	17,0	52,4	26,2	11,0
1212090	-2020	1 1/4"	1 1/4-11	1 1/4	53,0	21,0	58,7	30,2	11,5
1212091	-2024	1 1/4"	1 1/4-11	1 1/2	59,0	24,0	69,9	35,7	13,5
1212092	-2420	1 1/2"	1 1/2-11	1 1/4	55,0	21,0	58,7	30,2	11,5
1212093	-2424	1 1/2"	1 1/2-11	1 1/2	61,0	24,0	69,9	35,7	13,5

### // R1A05M136W

Straight flange SAE J518 code 62 - BSP - High pressure

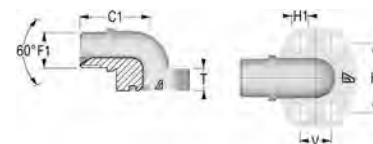


Item Code	Head / Flange	OD1 in	F1	Flange Size	L	T	H	V	H1
	Dash				mm	mm	mm	mm	mm
1212094	-0608	3/8"	3/8-19	1/2	37,0	14,0	38,1	17,5	9,0
1212095	-0808	1/2"	1/2-14	1/2	39,0	14,0	38,1	17,5	9,0
1212096	-0812	1/2"	1/2-14	3/4	42,0	15,0	47,6	22,2	11,0
1212097	-1208	3/4"	3/4-14	1/2	42,0	14,0	38,1	17,5	9,0
1212098	-1212	3/4"	3/4-14	3/4	45,0	15,0	47,6	22,2	11,0
1212099	-1216	3/4"	3/4-14	1	47,0	17,0	52,4	26,2	11,0
1212100	-1612	1"	1-11	3/4	47,0	15,0	47,6	22,2	11,0
1212101	-1616	1"	1-11	1	49,0	17,0	52,4	26,2	11,0
1212102	-1620	1"	1-11	1 1/4	53,0	21,0	58,7	30,2	11,5
1212103	-2016	1 1/4"	1 1/4-11	1	49,0	17,0	52,4	26,2	11,0
1212104	-2020	1 1/4"	1 1/4-11	1 1/4	53,0	21,0	58,7	30,2	11,5
1212105	-2024	1 1/4"	1 1/4-11	1 1/2	59,0	24,0	69,9	35,7	13,5
1212106	-2420	1 1/2"	1 1/2-11	1 1/4	55,0	21,0	58,7	30,2	11,5
1212107	-2424	1 1/2"	1 1/2-11	1 1/2	61,0	24,0	69,9	35,7	13,5

Dimensions shown may be changed without prior notice

## // R1A05M933W

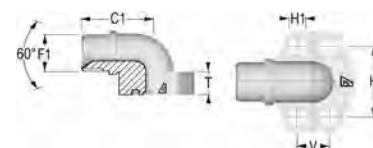
90° flange SAE J518 code 61 - BSP - Low pressure



Item Code	Head / Flange	OD1	F1	Flange size	C1	T	H	V	H1
	Dash				in	mm	mm	mm	mm
1212252	-0608	3/8"	3/8-19	1/2	37,0	17,0	38,1	17,5	9,0
1212253	-0808	1/2"	1/2-14	1/2	39,0	17,0	38,1	17,5	9,0
1212254	-0812	1/2"	1/2-14	3/4	41,0	20,0	47,6	22,2	11,0
1212255	-1208	3/4"	3/4-14	1/2	40,0	20,0	38,1	17,5	9,0
1212256	-1212	3/4"	3/4-14	3/4	44,0	20,0	47,6	22,2	11,0
1212257	-1216	3/4"	3/4-14	1	47,0	20,0	52,4	26,2	11,0
1212258	-1612	1"	1-11	3/4	45,0	25,0	47,6	22,2	11,0
1212259	-1616	1"	1-11	1	48,0	25,0	52,4	26,2	11,0
1212260	-1620	1"	1-11	1 1/4	54,0	25,0	58,7	30,2	11,5
1212261	-2016	1 1/4"	1 1/4-11	1	49,0	31,0	52,4	26,2	11,0
1212262	-2020	1 1/4"	1 1/4-11	1 1/4	55,0	31,0	58,7	30,2	11,5
1212263	-2024	1 1/4"	1 1/4-11	1 1/2	59,0	31,0	69,9	35,7	13,5
1212264	-2420	1 1/2"	1 1/2-11	1 1/4	56,0	37,0	58,7	30,2	11,5
1212265	-2424	1 1/2"	1 1/2-11	1 1/2	61,0	37,0	69,9	35,7	13,5

## // R1A05M936W

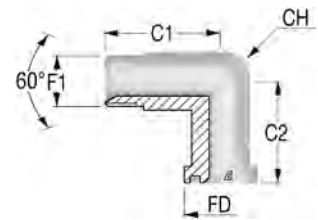
90° flange SAE J518 code 62 - BSP - High pressure



Item Code	Head / Flange	OD1	F1	Flange size	C1	T	H	V	H1
	Dash				in	mm	mm	mm	mm
1212278	-0608	3/8"	3/8-19	1/2	37,0	17,0	38,1	17,5	9,0
1212279	-0808	1/2"	1/2-14	1/2	39,0	17,0	38,1	17,5	9,0
1212280	-0812	1/2"	1/2-14	3/4	41,0	20,0	47,6	22,2	11,0
1212281	-1208	3/4"	3/4-14	1/2	40,0	20,0	38,1	17,5	9,0
1212282	-1212	3/4"	3/4-14	3/4	44,0	20,0	47,6	22,2	11,0
1212283	-1216	3/4"	3/4-14	1	47,0	20,0	52,4	26,2	11,0
1212284	-1612	1"	1-11	3/4	45,0	25,0	47,6	22,2	11,0
1212285	-1616	1"	1-11	1	48,0	25,0	52,4	26,2	11,0
1212286	-1620	1"	1-11	1 1/4	54,0	25,0	58,7	30,2	11,5
1212287	-2016	1 1/4"	1 1/4-11	1	49,0	31,0	52,4	26,2	11,0
1212288	-2020	1 1/4"	1 1/4-11	1 1/4	55,0	31,0	58,7	30,2	11,5
1212289	-2024	1 1/4"	1 1/4-11	1 1/2	59,0	31,0	69,9	35,7	13,5
1212290	-2420	1 1/2"	1 1/2-11	1 1/4	56,0	37,0	58,7	30,2	11,5
1212291	-2424	1 1/2"	1 1/2-11	1 1/2	61,0	37,0	69,9	35,7	13,5

**// R1A05M9334**

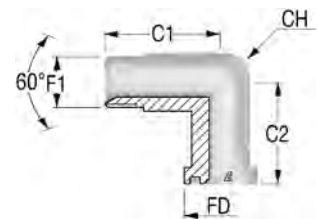
**90° adjustable flange SAE J518 code 61 - BSP - Low pressure**



Item Code	Head / Flange	OD1 in	F1	Flange size	C1	C2	FD	CH
	Dash				mm	mm		
1212266	-0608	3/8"	3/8-19	1/2	44,0	50,0	30,2	22,0
1212267	-0808	1/2"	1/2-14	1/2	48,0	42,0	30,2	22,0
1212268	-0812	1/2"	1/2-14	3/4	53,0	64,0	38,1	22,0
1212269	-1212	3/4"	3/4-14	3/4	53,0	64,0	38,1	27,0
1212270	-1216	3/4"	3/4-14	1	60,0	65,0	44,5	27,0
1212271	-1612	1"	1-11	3/4	53,0	64,0	38,1	34,0
1212272	-1616	1"	1-11	1	60,0	65,0	44,5	34,0
1212273	-1620	1"	1-11	1 1/4	55,0	64,0	50,8	34,0
1212274	-2016	1 1/4"	1 1/4-11	1	60,0	65,0	44,5	42,0
1212275	-2020	1 1/4"	1 1/4-11	1 1/4	55,0	64,0	50,8	42,0
1212276	-2024	1 1/4"	1 1/4-11	1 1/2	66,0	78,0	60,3	42,0
1212277	-2424	1 1/2"	1 1/2-11	1 1/2	66,0	78,0	60,3	50,0

**// R1A05M9364**

**90° adjustable flange SAE J518 code 62 - BSP - High pressure**



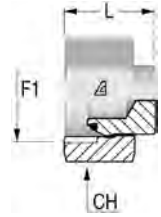
Item Code	Head / Flange	OD1 in	F1	Flange size	C1	C2	FD	CH
	Dash				mm	mm		
1212292	-0608	3/8"	3/8-19	1/2	44,0	50,0	31,8	22,0
1212293	-0808	1/2"	1/2-14	1/2	49,0	43,0	31,8	22,0
1212294	-0812	1/2"	1/2-14	3/4	53,0	64,0	41,3	22,0
1212295	-1212	3/4"	3/4-14	3/4	53,0	64,0	41,3	27,0
1212296	-1216	3/4"	3/4-14	1	60,0	62,0	47,6	27,0
1212297	-1612	1"	1-11	3/4	59,5	54,5	41,3	30,0
1212298	-1616	1"	1-11	1	60,0	62,0	47,6	34,0
1212299	-1620	1"	1-11	1 1/4	70,0	72,0	54,0	34,0
1212300	-2016	1 1/4"	1 1/4-11	1	72,0	70,0	47,6	41,0
1212301	-2020	1 1/4"	1 1/4-11	1 1/4	70,0	72,0	54,0	42,0
1212302	-2024	1 1/4"	1 1/4-11	1 1/2	80,0	84,0	63,5	42,0
1212303	-2424	1 1/2"	1 1/2-11	1 1/2	80,0	84,0	63,5	50,0

Dimensions shown may be changed without prior notice

## // PLUG

## // R1A0531000

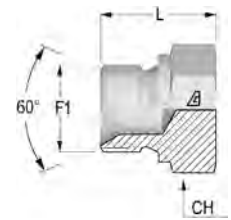
## Cap BSP 60° Female



Item Code	Head	OD1	F1	CH	L
	Dash	in		mm	mm
1207690	-0400	1/4"	1/4-19	19,0	19,0
1207691	-0600	3/8"	3/8-19	22,0	21,0
1207692	-0800	1/2"	1/2-14	27,0	23,3
1207693	-1000	5/8"	5/8-14	27,0	26,0
1207694	-1200	3/4"	3/4-14	32,0	21,5
1207695	-1600	1"	1-11	38,0	32,0
1207696	-2000	1"1/4	1 1/4-11	50,0	32,0
1210712	-2400	1"1/2	1 1/2-11	55,0	38,0

## // R1A05M1000

## Plug BSP 60° Male



Item Code	Head	OD1	F1	CH	L
	Dash	in		mm	mm
1207662	-0200	1/8"	1/8-28	14,0	14,5
1207663	-0400	1/4"	1/4-19	19,0	19,0
1207664	-0600	3/8"	3/8-19	22,0	20,5
1207665	-0800	1/2"	1/2-14	27,0	24,0
1210952	-1000	5/8"	5/8-14	30,0	24,0
1207666	-1200	3/4"	3/4-14	32,0	26,5
1207667	-1600	1"	1-11	41,0	30,0
1207668	-2000	1"1/4	1 1/4-11	50,0	39,0
1207669	-2400	1"1/2	1 1/2-11	55,0	43,0



## // DIN 24° ADAPTERS

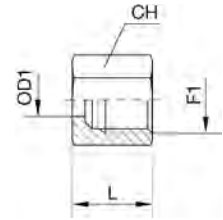
// ACCESSORIES.....	275	// BSPP .....	307
// MALE UNION.....	278	// BSPT .....	319
// MALE / FEMALE UNION .....	282	// BUTT WELD .....	324
// BULKHEAD.....	293	// PLUG .....	326
// METRIC.....	295		

Dimensions shown may be changed without prior notice

## // ACCESSORIES

## // R1A11D0000

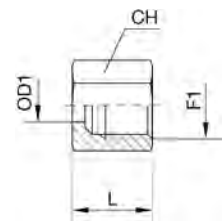
## Nut DIN 24° - Light series



Item Code	Head	OD1 mm	F1	CH	L mm
	Dash			mm	
1204178	-0600	6	M12X1.5	14,0	14,50
1204181	-0800	8	M14X1.5	17,0	14,50
1204149	-1000	10	M16X1.5	19,0	15,50
1204152	-1200	12	M18X1.5	22,0	15,50
1204157	-1500	15	M22X1.5	27,0	17,00
1204160	-1800	18	M26X1.5	32,0	18,00
1204164	-2200	22	M30X2	36,0	20,00
1204167	-2800	28	M36X2	41,0	21,00
1204172	-3500	35	M45X2	50,0	24,00
1204177	-4200	42	M52X2	60,0	24,00

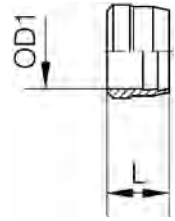
## // R1A12D0000

## Nut DIN 24° - Heavy series



Item Code	Head	OD1 mm	F1	CH	L mm
	Dash			mm	
1204180	-0600	6	M14X1.5	17,0	16,50
1204182	-0800	8	M16X1.5	19,0	16,50
1204151	-1000	10	M18X1.5	22,0	17,50
1204154	-1200	12	M20X1.5	24,0	17,50
1204156	-1400	14	M22X1.5	27,0	20,50
1204159	-1600	16	M24X1.5	30,0	20,50
1204163	-2000	20	M30X2	36,0	24,00
1204166	-2500	25	M36X2	46,0	27,00
1204170	-3000	30	M42X2	50,0	29,00
1204175	-3800	38	M52X2	60,0	32,50

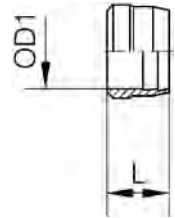
## // R1A11R0000

**Double cutting ring DIN 24° - Light series**

Item Code	Head	OD1	L
	mm	mm	mm
1204137	-0600	6	9,5
1204139	-0800	8	9,5
1204109	-1000	10	10,0
1204113	-1200	12	10,0
1204118	-1500	15	10,0
1204121	-1800	18	10,5
1204125	-2200	22	11,0
1204129	-2800	28	11,0
1204133	-3500	35	13,5
1204136	-4200	42	13,5

Codes from 6 to 12mm also Heavy Series

## // R1A12R0000

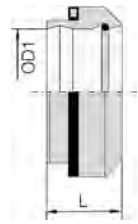
**Double cutting ring DIN 24° - Heavy series**

Item Code	Head	OD1	L
	mm	mm	mm
1204117	-1400	14	10,0
1204120	-1600	16	10,5
1204124	-2000	20	13,0
1204128	-2500	25	13,0
1204131	-3000	30	13,5
1204135	-3800	38	13,5

Codes from 6 to 12mm same as Light Series ones

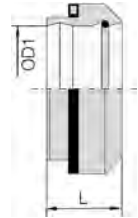


Dimensions shown may be changed without prior notice

**// R1A11R000B****Double cutting ring with tight sealing DIN 24° - Light series  
DIN 2353**

Item Code	Head	OD1	L
	Dash	in	mm
1244467	-0600	6	9,0
1239498	-0800	8	8,0
1244468	-1000	10	9,3
1237046	-1200	12	9,5
1241104	-1500	15	9,5
1241106	-1800	18	9,5
1237047	-2200	22	11,5
1237048	-2800	28	11,5
1241110	-3500	35	13,0
1244469	-4200	42	13,0

Codes from 6 to 12mm also Heavy Series

**// R1A12R000B****Double cutting ring with tight sealing DIN 24° - Heavy series  
DIN 2353**

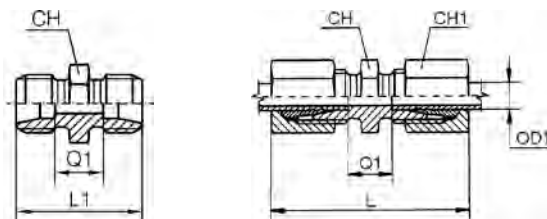
Item Code	Head	OD1	L
	Dash	in	mm
1244470	-1400	14	10,0
1239871	-1600	16	10,0
1239870	-2000	20	13,0
1237071	-2500	25	13,3
1241138	-3000	30	14,0
1244471	-3800	38	14,0

Codes from 6 to 12mm same as Light Series ones

## // MALE UNION

### // R1A11M111M

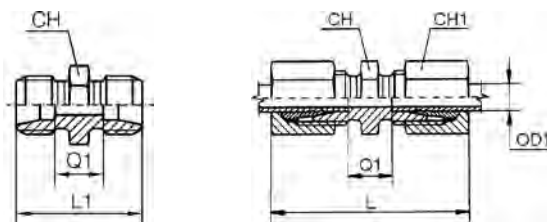
**Straight union DIN 24° Male - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	Q1	CH	CH1	L	L1
		mm						
1205544	1240805	-0606	6	10,0	12,0	14,0	39,0	24,0
1205546	1240806	-0808	8	11,0	14,0	17,0	40,0	25,0
1205537	1240807	-1010	10	13,0	17,0	19,0	42,0	27,0
1204233	1240808	-1212	12	14,0	19,0	22,0	43,0	28,0
1204234	1241077	-1515	15	16,0	24,0	27,0	46,0	30,0
1205538	1243784	-1818	18	16,0	27,0	32,0	48,0	31,0
1205541	1242417	-2222	22	20,0	32,0	36,0	52,0	35,0
1205708	1243785	-2828	28	21,0	41,0	41,0	54,0	36,0
1205709	1243786	-3535	35	20,0	46,0	50,0	63,0	41,0
1205710	1241080	-4242	42	21,0	55,0	60,0	66,0	43,0

### // R1A12M112M

**Straight union DIN 24° Male - Heavy series**

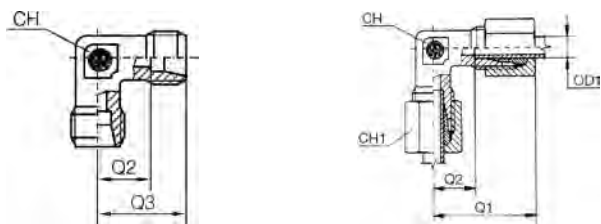


Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	Q1	CH	CH1	L	L1
		mm						
1206097	1244127	-0606	6	16,0	14,0	17,0	45,0	30,0
1205687	1244128	-0808	8	18,0	17,0	19,0	47,0	32,0
1205688	1244129	-1010	10	17,0	19,0	22,0	49,0	32,0
1205689	1244130	-1212	12	19,0	22,0	24,0	51,0	34,0
1205690	1244131	-1414	14	22,0	24,0	27,0	57,0	38,0
1205691	1244132	-1616	16	21,0	27,0	30,0	57,0	38,0
1205539	1241122	-2020	20	23,0	32,0	36,0	66,0	44,0
1205542	1241125	-2525	25	26,0	41,0	46,0	74,0	50,0
1205543	1244133	-3030	30	27,0	46,0	50,0	80,0	54,0
1205711	1244134	-3838	38	29,0	55,0	60,0	90,0	61,0

Dimensions shown may be changed without prior notice

**// R1A11M911M**

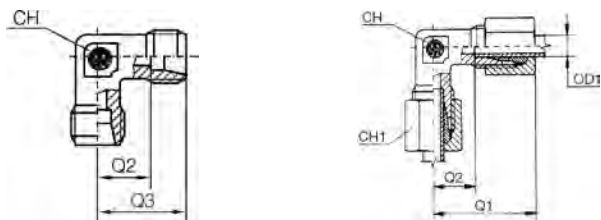
**90° union DIN 24° Male - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	Q1	Q2	Q3	CH	CH1
		mm	mm	mm	mm	mm	mm	mm
1205692	1243861	-0606	6	27,0	12,0	19,0	12,0	14,0
1205693	1241534	-0808	8	29,0	14,0	21,0	12,0	17,0
1205694	1240812	-1010	10	30,0	15,0	22,0	14,0	19,0
1204062	1243862	-1212	12	32,0	17,0	24,0	17,0	22,0
1204064	1243863	-1515	15	36,0	21,0	28,0	19,0	27,0
1205695	1243864	-1818	18	40,0	23,5	31,0	24,0	32,0
1205696	1243865	-2222	22	44,0	27,5	35,0	27,0	36,0
1205697	1243866	-2828	28	47,0	30,5	38,0	36,0	41,0
1205707	1243867	-3535	35	56,0	34,5	45,0	41,0	50,0
1206043	1243868	-4242	42	63,0	40,0	51,0	50,0	60,0

**// R1A12M912M**

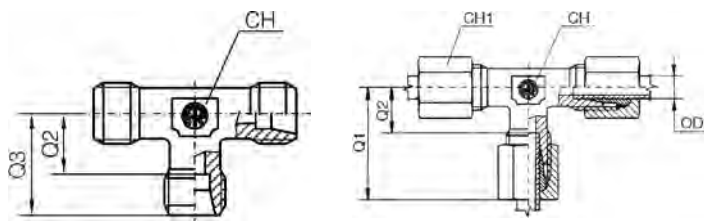
**90° union DIN 24° Male - Heavy series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	Q1	Q2	Q3	CH	CH1
		mm	mm	mm	mm	mm	mm	mm
1205698	1244224	-0606	6	31,0	16,0	23,0	12,0	17,0
1205699	1244225	-0808	8	32,0	17,0	24,0	14,0	19,0
1205700	1244226	-1010	10	34,0	17,5	25,0	17,0	22,0
1205701	1244227	-1212	12	38,0	21,5	29,0	17,0	24,0
1205702	1244228	-1414	14	40,0	22,0	30,0	19,0	27,0
1205703	1244229	-1616	16	43,0	24,5	33,0	24,0	30,0
1205704	1244230	-2020	20	48,0	26,5	37,0	27,0	36,0
1242137	1205705	-2525	25	54,0	30,0	42,0	36,0	46,0
1205706	1244231	-3030	30	62,0	35,5	49,0	41,0	50,0
1207042	1244232	-3838	38	72,0	41,0	57,0	50,0	60,0

**// R1A11MT11M**

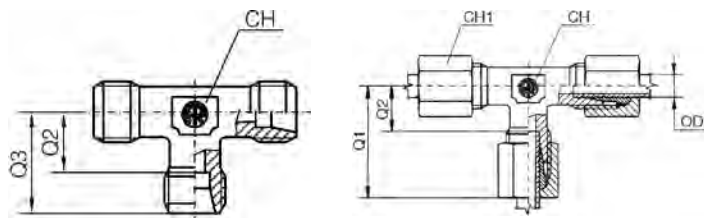
**Branch Tee union DIN 24° Male - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	Q1	Q2	Q3	CH	CH1
		mm						
1204218	1241542	-0606	6	27,0	12,0	19,0	12,0	14,0
1204219	1240813	-0808	8	29,0	14,0	21,0	12,0	17,0
1204215	1240814	-1010	10	30,0	15,0	22,0	14,0	19,0
1204216	1241099	-1212	12	32,0	17,0	24,0	17,0	22,0
1204217	1242245	-1515	15	36,0	21,0	28,0	19,0	27,0
1205712	1243981	-1818	18	40,0	23,5	31,0	24,0	32,0
1205713	1243982	-2222	22	44,0	27,5	35,0	27,0	36,0
1205714	1243983	-2828	28	47,0	30,5	38,0	36,0	41,0
1205715	1243984	-3535	35	56,0	34,5	45,0	41,0	50,0
1206042	1243985	-4242	42	63,0	40,0	51,0	50,0	60,0

**// R1A12MT12M**

**Branch Tee union DIN 24° Male - Heavy series**

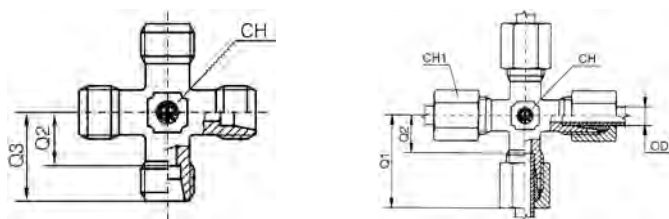


Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	Q1	Q2	Q3	CH	CH1
		mm						
1205716	1244350	-0606	6	31,0	16,0	23,0	12,0	17,0
1205717	1244351	-0808	8	32,0	17,0	24,0	14,0	19,0
1205718	1244352	-1010	10	34,0	17,5	25,0	17,0	22,0
1205719	1244353	-1212	12	38,0	21,5	29,0	17,0	24,0
1205720	1244354	-1414	14	40,0	22,0	30,0	19,0	27,0
1205616	1244355	-1616	16	43,0	24,5	33,0	24,0	30,0
1205721	1244356	-2020	20	48,0	26,5	37,0	27,0	36,0
1205722	1244357	-2525	25	54,0	30,0	42,0	36,0	46,0
1205723	1244358	-3030	30	62,0	35,5	49,0	41,0	50,0
1205724	1244359	-3838	38	72,0	41,0	57,0	50,0	60,0

Dimensions shown may be changed without prior notice

**// R1A11MX11M**

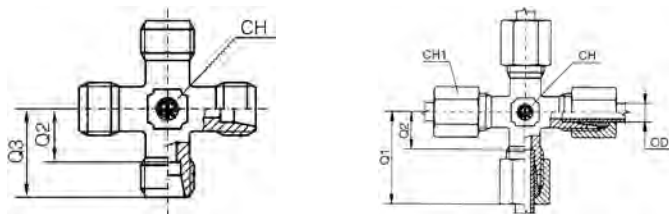
**Cross union DIN 24° Male - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	Q1	Q2	Q3	CH	CH1
		mm						
1205725	1244005	-0606	6	27,0	12,0	19,0	12,0	14,0
1205726	1244006	-0808	8	29,0	14,0	21,0	12,0	17,0
1205727	1242918	-1010	10	30,0	15,0	22,0	14,0	19,0
1205755	1244007	-1212	12	32,0	17,0	24,0	17,0	22,0
1205728	1244008	-1515	15	36,0	21,0	28,0	19,0	27,0
1205729	1244009	-1818	18	40,0	23,5	31,0	24,0	32,0
1205730	1244010	-2222	22	44,0	27,5	35,0	27,0	36,0
1211083	1244011	-2828	28	47,0	30,5	38,0	36,0	41,0
1211084	1244012	-3535	35	56,0	34,5	45,0	41,0	50,0
1211085	1244013	-4242	42	63,0	40,0	51,0	50,0	60,0

**// R1A12MX12M**

**Cross union DIN 24° Male - Heavy series**

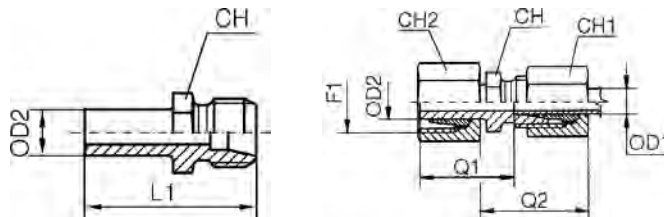


Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	Q1	Q2	Q3	CH	CH1
		mm						
1206376	1244379	-0606	6	31,0	16,0	23,0	12,0	17,0
1206356	1244380	-0808	8	32,0	17,0	24,0	14,0	19,0
1206308	1244381	-1010	10	34,0	17,5	25,0	17,0	22,0
1206128	1244382	-1212	12	38,0	21,5	29,0	17,0	24,0
1206241	1244383	-1414	14	40,0	22,0	30,0	19,0	27,0
1206242	1244384	-1616	16	43,0	24,5	33,0	24,0	30,0
1206570	1244385	-2020	20	48,0	26,5	37,0	27,0	36,0
1206571	1244386	-2525	25	54,0	30,0	42,0	36,0	46,0
1208138	1244387	-3030	30	62,0	35,5	49,0	41,0	50,0
1211263	1244388	-3838	38	72,0	41,0	57,0	50,0	60,0

# // MALE / FEMALE UNION

## // R1A11M1113

**Reducers DIN 24° pre-assembled - Light series**

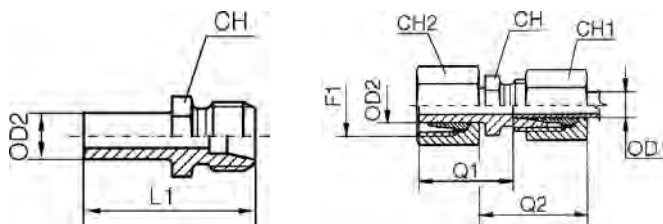


Item Code	Head 1 / Head 2	OD1 mm	OD2 mm	F1	Q1 mm	Q2 mm	L1 mm	CH mm	CH1 mm	CH2 mm
	mm									
1205622	-0608	6	8	M12X1.5	29,5	30,0	36,5	14,0	14,0	17,0
1205623	-0610	6	10	M12X1.5	29,5	30,0	36,5	14,0	14,0	19,0
1205617	-0612	6	12	M12X1.5	29,5	30,0	36,5	14,0	14,0	22,0
1205621	-0615	6	15	M12X1.5	29,5	29,0	36,5	17,0	14,0	27,0
1205627	-0618	6	18	M12X1.5	30,5	29,0	37,5	19,0	14,0	32,0
1207824	-0622	6	22	M12X1.5	33,5	32,0	40,5	24,0	14,0	36,0
1207825	-0628	6	28	M12X1.5	34,5	33,0	41,5	32,0	14,0	41,0
1210999	-0635	6	35	M12X1.5	40,5	34,0	47,5	36,0	14,0	50,0
1205624	-0810	8	10	M14X1.5	29,5	30,0	36,5	17,0	17,0	19,0
1205618	-0812	8	12	M14X1.5	29,5	30,0	36,5	17,0	17,0	22,0
1205620	-0815	8	15	M14X1.5	29,5	29,0	36,5	17,0	17,0	27,0
1205628	-0818	8	18	M14X1.5	30,5	29,0	37,5	19,0	17,0	32,0
1206843	-0822	8	22	M14X1.5	33,5	32,0	40,5	24,0	17,0	36,0
1207826	-0828	8	28	M14X1.5	34,5	33,0	41,5	32,0	17,0	41,0
1211000	-0835	8	35	M14X1.5	40,5	34,0	47,5	36,0	17,0	50,0
1205619	-1012	10	12	M16X1.5	31,0	31,0	38,0	17,0	19,0	22,0
1205625	-1015	10	15	M16X1.5	31,0	30,0	38,0	17,0	19,0	27,0
1205629	-1018	10	18	M16X1.5	32,0	30,0	39,0	19,0	19,0	32,0
1206562	-1022	10	22	M16X1.5	35,0	33,0	42,0	24,0	19,0	36,0
1207827	-1028	10	28	M16X1.5	36,0	34,0	43,0	32,0	19,0	41,0
1211001	-1035	10	35	M16X1.5	42,0	35,0	49,0	36,0	19,0	50,0
1211004	-1042	10	42	M16X1.5	44,0	36,0	51,0	46,0	19,0	60,0
1205626	-1215	12	15	M18X1.5	31,0	30,0	38,0	19,0	22,0	27,0
1205630	-1218	12	18	M18X1.5	32,0	30,0	39,0	19,0	22,0	32,0
1205632	-1222	12	22	M18X1.5	35,0	33,0	42,0	24,0	22,0	36,0
1205635	-1228	12	28	M18X1.5	36,0	34,0	43,0	32,0	22,0	41,0
1211002	-1235	12	35	M18X1.5	42,0	35,0	49,0	36,0	22,0	50,0
1211005	-1242	12	42	M18X1.5	43,0	36,0	50,0	46,0	22,0	60,0
1205631	-1518	15	18	M22X1.5	32,5	32,0	39,5	24,0	27,0	32,0
1205633	-1522	15	22	M22X1.5	35,5	35,0	42,5	24,0	27,0	36,0
1205636	-1528	15	28	M22X1.5	36,5	35,0	43,5	32,0	27,0	41,0
1211003	-1535	15	35	M22X1.5	42,5	36,0	49,5	36,0	27,0	50,0
1211006	-1542	15	42	M22X1.5	44,5	37,0	51,5	46,0	27,0	60,0
1205634	-1822	18	22	M26X1.5	35,0	35,0	42,5	27,0	32,0	36,0
1205637	-1828	18	28	M26X1.5	36,0	36,0	43,5	32,0	32,0	41,0
1208154	-1835	18	35	M26X1.5	42,0	37,0	49,5	36,0	32,0	50,0
1207828	-1842	18	42	M26X1.5	44,0	38,0	51,5	46,0	32,0	60,0
1205638	-2228	22	28	M30X2	36,0	38,0	43,5	32,0	36,0	41,0
1205639	-2235	22	35	M30X2	44,0	39,0	51,5	36,0	36,0	50,0
1205641	-2242	22	42	M30X2	46,0	40,0	53,5	46,0	36,0	60,0
1205640	-2835	28	35	M36X2	44,0	39,0	51,5	41,0	41,0	50,0

Dimensions shown may be changed without prior notice

**// R1A12M1123**

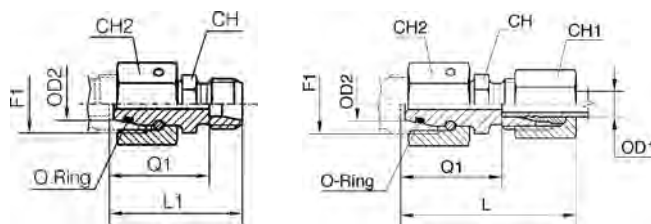
**Reducers DIN 24° pre-assembled - Heavy series**



Item Code	Head 1 / Head 2	OD1 mm	OD2 mm	F1	Q1 mm	Q2 mm	L1 mm	CH mm	CH1 mm	CH2 mm
	mm									
1205644	-0608	6	8	M14X1.5	31,0	31,0	39,0	17,0	17,0	19,0
1205645	-0610	6	10	M14X1.5	32,0	31,0	39,0	17,0	17,0	22,0
1205647	-0612	6	12	M14X1.5	33,0	32,0	40,0	17,0	17,0	24,0
1206338	-0614	6	14	M14X1.5	37,0	34,0	44,0	17,0	17,0	27,0
1206340	-0616	6	16	M14X1.5	37,0	34,0	44,0	17,0	17,0	30,0
1207857	-0620	6	20	M14X1.5	43,0	36,0	50,0	22,0	17,0	36,0
1211188	-0625	6	25	M14X1.5	47,0	38,0	54,0	27,0	17,0	46,0
1211189	-0630	6	30	M14X1.5	49,0	37,0	56,0	32,0	17,0	50,0
1205646	-0810	8	10	M16X1.5	32,0	31,0	39,0	17,0	19,0	22,0
1205648	-0812	8	12	M16X1.5	33,0	32,0	40,0	17,0	19,0	24,0
1205650	-0814	8	14	M16X1.5	37,0	34,0	44,0	17,0	19,0	27,0
1205653	-0816	8	16	M16X1.5	37,0	34,0	44,0	17,0	19,0	30,0
1206362	-0820	8	20	M16X1.5	43,0	36,0	50,0	22,0	19,0	36,0
1206884	-0825	8	25	M16X1.5	47,0	38,0	54,0	27,0	19,0	46,0
1211190	-0830	8	30	M16X1.5	49,0	37,0	56,0	32,0	19,0	50,0
1205649	-1012	10	12	M18X1.5	32,5	33,0	40,0	19,0	22,0	24,0
1205651	-1014	10	14	M18X1.5	36,5	35,0	44,0	19,0	22,0	27,0
1205654	-1016	10	16	M18X1.5	36,5	35,0	44,0	19,0	22,0	30,0
1205657	-1020	10	20	M18X1.5	42,5	37,0	50,0	22,0	22,0	36,0
1205661	-1025	10	25	M18X1.5	46,5	39,0	54,0	27,0	22,0	46,0
1211191	-1030	10	30	M18X1.5	48,5	38,0	56,0	32,0	22,0	50,0
1205652	-1214	12	14	M20X1.5	36,5	35,0	44,0	22,0	24,0	27,0
1205658	-1220	12	20	M20X1.5	42,5	37,0	50,0	22,0	24,0	36,0
1205662	-1225	12	25	M20X1.5	46,5	39,0	54,0	27,0	24,0	46,0
1206563	-1230	12	30	M20X1.5	48,5	38,0	56,0	32,0	24,0	50,0
1205656	-1416	14	16	M22X1.5	38,0	38,0	46,0	24,0	27,0	30,0
1205659	-1420	14	20	M22X1.5	44,0	40,0	52,0	24,0	27,0	36,0
1206339	-1425	14	25	M22X1.5	48,0	42,0	56,0	27,0	27,0	46,0
1206846	-1430	14	30	M22X1.5	50,0	41,0	58,0	32,0	27,0	50,0
1211195	-1438	14	38	M22X1.5	57,0	42,0	65,0	41,0	27,0	60,0
1205660	-1620	16	20	M24X1.5	43,5	40,0	52,0	27,0	30,0	36,0
1205663	-1625	16	25	M24X1.5	47,5	42,0	56,0	27,0	30,0	46,0
1205665	-1630	16	30	M24X1.5	49,5	41,0	58,0	32,0	30,0	50,0
1207858	-1638	16	38	M24X1.5	56,5	42,0	65,0	41,0	30,0	60,0
1205664	-2025	20	25	M30X2	47,5	45,0	58,0	32,0	36,0	46,0
1205666	-2030	20	30	M30X2	49,5	45,0	60,0	32,0	36,0	50,0
1205668	-2038	20	38	M30X2	56,5	46,0	67,0	41,0	36,0	60,0
1205667	-2530	25	30	M36X2	50,0	48,0	62,0	41,0	46,0	50,0
1205669	-2538	25	38	M36X2	57,0	49,0	69,0	41,0	46,0	60,0

**// R1A11M1152**

**Reducers DIN 24° with O-Ring - Light series**



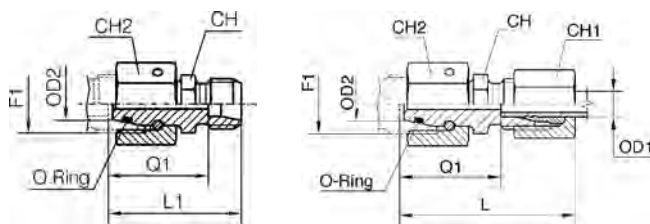
Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	OD2	F1	Q1	CH	CH1	CH2	L	L1
1211354	1243796	-0608	6	8	M12X1.5	23,5	12,0	14,0	17,0	38,0	30,5
1211355	1243797	-0610	6	10	M12X1.5	25,0	14,0	14,0	19,0	40,0	32,0
1211357	1243798	-0612	6	12	M12X1.5	25,0	17,0	14,0	22,0	40,0	32,0
1211359	1243799	-0615	6	15	M12X1.5	28,5	19,0	14,0	27,0	43,0	35,5
1211361	1243800	-0618	6	18	M12X1.5	28,0	24,0	14,0	32,0	43,0	35,0
1211365	1243801	-0622	6	22	M12X1.5	32,0	27,0	14,0	36,0	47,0	39,0
1211371	1243802	-0628	6	28	M12X1.5	34,0	32,0	14,0	41,0	49,0	41,0
1211356	1243803	-0810	8	10	M14X1.5	25,0	14,0	17,0	19,0	40,0	32,0
1208070	1243804	-0812	8	12	M14X1.5	25,0	17,0	17,0	22,0	40,0	32,0
1208071	1243805	-0815	8	15	M14X1.5	28,5	19,0	17,0	27,0	43,0	35,5
1211362	1243806	-0818	8	18	M14X1.5	28,0	24,0	17,0	32,0	43,0	35,0
1211366	1243807	-0822	8	22	M14X1.5	32,0	27,0	17,0	36,0	47,0	39,0
1211372	1243808	-0828	8	28	M14X1.5	34,0	32,0	17,0	41,0	49,0	41,0
1211358	1243809	-1012	10	12	M16X1.5	26,0	17,0	19,0	22,0	41,0	33,0
1208072	1243810	-1015	10	15	M16X1.5	29,5	19,0	19,0	27,0	44,0	36,5
1211363	1243811	-1018	10	18	M16X1.5	29,0	24,0	19,0	32,0	44,0	36,0
1211373	1243812	-1028	10	28	M16X1.5	35,0	32,0	19,0	41,0	50,0	42,0
1211360	1243813	-1215	12	15	M18X1.5	29,5	19,0	22,0	27,0	44,0	36,5
1208073	1243814	-1218	12	18	M18X1.5	29,0	24,0	22,0	32,0	44,0	36,0
1211367	1243815	-1222	12	22	M18X1.5	33,0	27,0	22,0	36,0	48,0	40,0
1211374	1243816	-1228	12	28	M18X1.5	35,0	32,0	22,0	41,0	50,0	42,0
1211364	1243817	-1518	15	18	M22X1.5	30,0	24,0	27,0	32,0	45,0	37,0
1211368	1243818	-1522	15	22	M22X1.5	34,0	27,0	27,0	36,0	49,0	41,0
1211375	1243819	-1528	15	28	M22X1.5	36,0	32,0	27,0	41,0	51,0	43,0
1211377	1243820	-1535	15	35	M22X1.5	39,0	41,0	27,0	50,0	54,0	46,0
1211369	1243821	-1822	18	22	M26X1.5	33,5	27,0	32,0	36,0	50,0	41,0
1208082	1243822	-1828	18	28	M26X1.5	36,5	32,0	32,0	41,0	52,0	44,0
1211378	1243823	-1835	18	35	M26X1.5	38,5	41,0	32,0	50,0	55,0	46,0
1211379	1243824	-1842	18	42	M26X1.5	42,0	50,0	32,0	60,0	58,0	49,5
1211376	1243825	-2228	22	28	M30X2	37,5	32,0	36,0	41,0	54,0	45,0
1208083	1243826	-2235	22	35	M30X2	40,5	41,0	36,0	50,0	57,0	48,0
1211380	1243827	-2242	22	42	M30X2	44,0	50,0	36,0	60,0	60,0	49,5
1211381	1243828	-2842	28	42	M36X2	44,0	50,0	41,0	60,0	61,0	51,5
1211382	1243829	-3542	35	42	M45X2	43,0	50,0	50,0	60,0	65,0	53,5



Dimensions shown may be changed without prior notice

**// R1A12M1162**

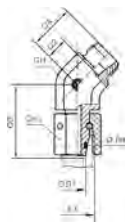
**Reducers DIN 24° with O-Ring - Heavy series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	OD2	F1	Q1	CH	CH1	CH2	L	L1
1211411	1244144	-0608	6	8	M14X1.5	27,0	14,0	17,0	19,0	42,0	34,0
1211412	1244145	-0610	6	10	M14X1.5	27,5	17,0	17,0	22,0	42,0	34,5
1211414	1244146	-0612	6	12	M14X1.5	29,0	17,0	17,0	24,0	44,0	36,0
1211417	1244147	-0614	6	14	M14X1.5	31,5	19,0	17,0	27,0	46,0	38,5
1207967	1244148	-0616	6	16	M14X1.5	32,0	22,0	17,0	30,0	47,0	39,0
1211423	1244149	-0620	6	20	M14X1.5	36,0	27,0	17,0	36,0	51,0	43,0
1211427	1244150	-0625	6	25	M14X1.5	38,5	32,0	17,0	46,0	53,0	45,5
1211433	1244151	-0630	6	30	M14X1.5	44,0	41,0	17,0	50,0	59,0	51,0
1211413	1244152	-0810	8	10	M16X1.5	27,5	17,0	19,0	22,0	42,0	34,5
1211415	1244153	-0812	8	12	M16X1.5	29,0	17,0	19,0	24,0	44,0	36,0
1211418	1244154	-0814	8	14	M16X1.5	31,5	19,0	19,0	27,0	46,0	38,5
1211421	1244155	-0816	8	16	M16X1.5	32,0	22,0	19,0	30,0	47,0	39,0
1211424	1244156	-0820	8	20	M16X1.5	36,0	27,0	19,0	36,0	51,0	43,0
1211428	1244157	-0825	8	25	M16X1.5	38,5	32,0	19,0	46,0	53,0	45,5
1211434	1244158	-0830	8	30	M16X1.5	44,0	41,0	19,0	50,0	59,0	51,0
1211416	1244159	-1012	10	12	M18X1.5	29,5	19,0	22,0	24,0	46,0	37,0
1211419	1244160	-1014	10	14	M18X1.5	31,0	19,0	22,0	27,0	47,0	38,5
1208068	1244161	-1016	10	16	M18X1.5	31,5	22,0	22,0	30,0	48,0	39,0
1211425	1244162	-1020	10	20	M18X1.5	35,5	27,0	22,0	36,0	52,0	43,0
1211429	1244163	-1025	10	25	M18X1.5	38,0	32,0	22,0	46,0	54,0	45,5
1211435	1244164	-1030	10	30	M18X1.5	43,5	41,0	22,0	50,0	60,0	51,0
1211420	1244165	-1214	12	14	M20X1.5	31,0	22,0	24,0	27,0	47,0	38,5
1242333	1244166	-1216	12	16	M20X1.5	31,5	22,0	24,0	30,0	48,0	39,0
1208165	1244167	-1220	12	20	M20X1.5	35,5	27,0	24,0	36,0	52,0	43,0
1211430	1244168	-1225	12	25	M20X1.5	38,0	32,0	24,0	46,0	54,0	45,5
1211436	1244169	-1230	12	30	M20X1.5	43,5	41,0	24,0	50,0	60,0	51,0
1211422	1244170	-1416	14	16	M22X1.5	33,0	24,0	27,0	30,0	51,0	41,0
1211426	1244171	-1420	14	20	M22X1.5	37,0	27,0	27,0	36,0	55,0	45,0
1211431	1244172	-1425	14	25	M22X1.5	39,5	32,0	27,0	46,0	57,0	47,5
1211437	1244173	-1430	14	30	M22X1.5	45,0	41,0	27,0	50,0	63,0	53,0
1211442	1244174	-1438	14	38	M22X1.5	48,5	50,0	27,0	60,0	66,0	56,5
1208166	1244175	-1620	16	20	M24X1.5	36,5	27,0	30,0	36,0	55,0	45,0
1208167	1244176	-1625	16	25	M24X1.5	39,0	32,0	30,0	46,0	57,0	47,5
1211438	1244177	-1630	16	30	M24X1.5	44,5	41,0	30,0	50,0	63,0	54,0
1211443	1244178	-1638	16	38	M24X1.5	48,0	50,0	30,0	60,0	66,0	56,5
1211432	1244179	-2025	20	25	M30X2	39,0	32,0	36,0	46,0	61,0	49,5
1207987	1244180	-2030	20	30	M30X2	44,5	41,0	36,0	50,0	66,0	55,0
1211444	1244181	-2038	20	38	M30X2	48,0	50,0	36,0	60,0	70,0	58,5
1207963	1244182	-2530	25	30	M36X2	45,0	41,0	46,0	50,0	69,0	57,0
1211445	1244183	-2538	25	38	M36X2	48,5	50,0	46,0	60,0	73,0	60,5
1211446	1244184	-3038	30	38	M42X2	49,0	50,0	50,0	60,0	76,0	62,5

**// R1A11M4152**

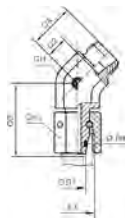
**45° adjustable elbow connector DIN  
24° Male - Female with O-Ring - Light  
series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
		mm	mm		mm	mm	mm	mm	mm	mm
1244869	1244939	-0606	6	M12X1.5	24,5	9,5	26,0	16,5	14,0	14,0
1244870	1244940	-0808	8	M14X1.5	27,0	12,0	27,5	19,0	14,0	17,0
1241985	1244941	-1010	10	M16X1.5	27,0	12,0	29,0	19,0	19,0	19,0
1208305	1244942	-1212	12	M18X1.5	29,0	14,0	29,5	21,0	19,0	22,0
1244871	1244943	-1515	15	M22X1.5	32,0	17,0	32,5	24,0	22,0	27,0
1244872	1244944	-1818	18	M26X1.5	33,0	17,0	35,5	24,5	27,0	32,0
1244873	1244945	-2222	22	M30X2	35,5	19,5	38,5	27,0	33,0	36,0
1244874	1244946	-2828	28	M36X2	39,0	23,0	41,5	30,5	41,0	41,0
1244875	1244947	-3535	35	M45X2	48,0	27,0	51,0	37,5	48,0	50,0
1244876	1244948	-4242	42	M52X2	49,0	26,0	56,0	37,0	48,0	60,0

**// R1A12M4162**

**45° adjustable elbow connector DIN  
24° Male - Female with O-Ring -  
Heavy series**

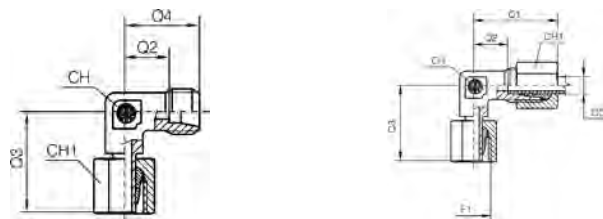


Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
		mm	mm		mm	mm	mm	mm	mm	mm
1244894	1245008	-0606	6	M14X1.5	26,0	11,0	27,0	18,0	14,0	17,0
1244895	1245009	-0808	8	M16X1.5	28,0	13,0	27,5	20,0	19,0	19,0
1244896	1245010	-1010	10	M18X1.5	29,0	13,0	30,0	20,5	19,0	22,0
1244897	1245011	-1212	12	M20X1.5	33,0	17,0	31,0	24,5	22,0	24,0
1244898	1245012	-1616	16	M24X1.5	34,0	16,0	36,5	24,5	27,0	30,0
1244899	1245013	-2020	20	M30X2	40,0	19,0	44,5	29,5	33,0	36,0
1244900	1245014	-2525	25	M36X2	46,0	22,0	50,0	34,0	41,0	46,0
1244901	1245015	-3030	30	M42X2	50,0	24,0	55,0	37,5	48,0	50,0
1244902	1245016	-3838	38	M52X2	55,0	24,0	63,0	40,0	48,0	60,0

Dimensions shown may be changed without prior notice

**// R1A11M9113**

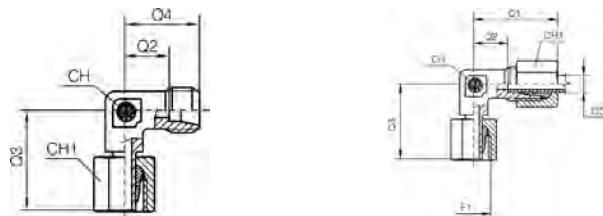
**90° adjustable elbow connector DIN  
24° Male - Female pre-assembled -  
Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
		mm	mm		mm	mm	mm	mm	mm	mm
1206164	1241531	-0606	6	M12X1.5	27,0	12,0	26,0	19,0	12,0	14,0
1205536	1240810	-0808	8	M14X1.5	29,0	14,0	27,5	21,0	12,0	17,0
1204070	1240811	-1010	10	M16X1.5	30,0	15,0	29,0	22,0	14,0	19,0
1242246	1241532	-1212	12	M18X1.5	32,0	17,0	29,5	24,0	17,0	22,0
1204072	1241533	-1515	15	M22X1.5	36,0	21,0	32,5	28,0	19,0	27,0
1205756	1243857	-1818	18	M26X1.5	40,0	23,5	35,5	31,0	24,0	32,0
1205731	1243858	-2222	22	M30X2	44,0	27,5	38,5	35,0	27,0	36,0
1206045	1243859	-2828	28	M36X2	47,0	30,5	41,5	38,0	36,0	41,0
1206044	1243860	-3535	35	M45X2	56,0	34,5	51,0	45,0	41,0	50,0
1205535	1241092	-4242	42	M52X2	63,0	40,0	60,0	51,0	50,0	60,0

**// R1A12M9123**

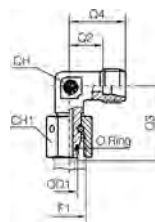
**90° adjustable elbow connector DIN  
24° Male - Female pre-assembled -  
Heavy series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
		mm	mm		mm	mm	mm	mm	mm	mm
1206278	1244214	-0606	6	M14X1.5	31,0	16,0	27,0	23,0	12,0	17,0
1205732	1244215	-0808	8	M16X1.5	32,0	17,0	27,5	24,0	14,0	19,0
1205563	1244216	-1010	10	M18X1.5	34,0	17,5	30,0	25,0	17,0	22,0
1205757	1244217	-1212	12	M20X1.5	38,0	21,5	31,0	29,0	17,0	24,0
1205733	1244218	-1414	14	M22X1.5	40,0	22,0	35,0	30,0	19,0	27,0
1205532	1244219	-1616	16	M24X1.5	43,0	24,5	36,5	33,0	24,0	30,0
1205533	1244220	-2020	20	M30X2	48,0	26,5	44,5	37,0	27,0	36,0
1205534	1244221	-2525	25	M36X2	54,0	30,0	50,0	42,0	36,0	46,0
1205734	1244222	-3030	30	M42X2	62,0	35,5	55,0	49,0	41,0	50,0
1206412	1244223	-3838	38	M52X2	72,0	41,0	64,5	57,0	50,0	60,0

**// R1A11M9152**

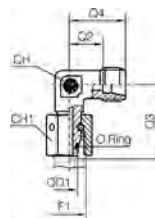
**90° adjustable elbow connector DIN  
24° Male - Female with O-Ring - Light  
series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1 mm	F1	Q1 mm	Q2 mm	Q3 mm	Q4 mm	CH mm	CH1 mm
		mm								
1211396	1243869	-0606	6	M12X1.5	27,0	12,0	26,0	20,0	12,0	14,0
1207070	1243870	-0808	8	M14X1.5	29,0	14,0	27,5	21,0	12,0	17,0
1244462	1206816	-1010	10	M16X1.5	30,0	15,0	29,0	22,5	17,0	19,0
1206852	1243871	-1212	12	M18X1.5	32,0	17,0	29,5	24,0	17,0	22,0
1206853	1243872	-1515	15	M22X1.5	36,0	21,0	32,5	28,0	19,0	27,0
1206854	1243873	-1818	18	M26X1.5	40,0	23,5	35,5	31,0	24,0	32,0
1206855	1243874	-2222	22	M30X2	44,0	27,5	38,5	35,0	27,0	36,0
1211397	1243875	-2828	28	M36X2	47,0	30,5	41,5	38,0	36,0	41,0
1208087	1243876	-3535	35	M45X2	56,0	34,5	51,0	45,0	41,0	50,0
1211398	1243877	-4242	42	M52X2	63,0	40,0	56,0	51,0	50,0	60,0

**// R1A12M9162**

**90° adjustable elbow connector DIN  
24° Male - Female with O-Ring -  
Heavy series**

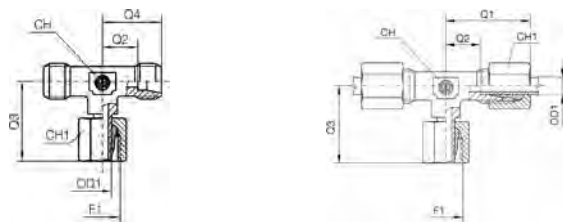


Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1 mm	F1	Q1 mm	Q2 mm	Q3 mm	Q4 mm	CH mm	CH1 mm
		mm								
1208183	1244233	-0606	6	M14X1.5	31,0	16,0	27,0	23,0	12,0	17,0
1206824	1244234	-0808	8	M16X1.5	32,0	17,0	27,5	24,0	14,0	19,0
1211456	1244235	-1010	10	M18X1.5	34,0	17,5	30,0	25,0	17,0	22,0
1206823	1244236	-1212	12	M20X1.5	38,0	21,5	31,0	29,0	17,0	24,0
1208186	1244237	-1414	14	M22X1.5	40,0	22,0	35,0	30,0	19,0	27,0
1207073	1244238	-1616	16	M24X1.5	43,0	24,5	36,5	33,0	24,0	30,0
1207074	1244239	-2020	20	M30X2	48,0	26,5	44,5	37,0	27,0	36,0
1241699	1207075	-2525	25	M36X2	54,0	30,0	50,0	42,0	36,0	46,0
1207076	1244240	-3030	30	M42X2	62,0	35,5	55,0	49,0	41,0	50,0
1211457	1244241	-3838	38	M52X2	72,0	41,0	63,0	57,0	50,0	60,0

Dimensions shown may be changed without prior notice

**// R1A11MT113**

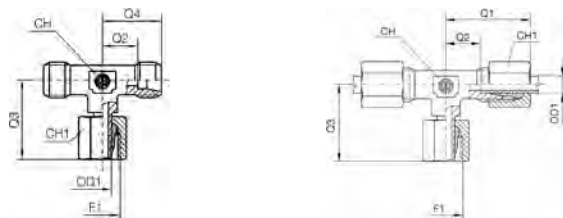
**Branch Tee adjustable elbow connector DIN 24° Male - Female pre-assembled - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
		mm								
1204222	1243974	-0606	6	M12X1.5	27,0	12,0	26,0	19,0	12,0	14,0
1205477	1241539	-0808	8	M14X1.5	29,0	14,0	27,5	21,0	12,0	17,0
1205735	1241540	-1010	10	M16X1.5	30,0	15,0	29,0	22,0	14,0	19,0
1205522	1241541	-1212	12	M18X1.5	32,0	17,0	29,5	24,0	17,0	22,0
1205676	1243975	-1515	15	M22X1.5	36,0	21,0	32,5	28,0	19,0	27,0
1205758	1243976	-1818	18	M26X1.5	40,0	23,5	35,5	31,0	24,0	32,0
1205736	1243977	-2222	22	M30X2	44,0	27,5	38,5	35,0	27,0	36,0
1206279	1243978	-2828	28	M36X2	47,0	30,5	41,5	38,0	36,0	41,0
1206584	1243979	-3535	35	M45X2	56,0	34,5	51,0	45,0	41,0	50,0
1206585	1243980	-4242	42	M52X2	63,0	40,0	60,0	51,0	50,0	60,0

**// R1A12MT123**

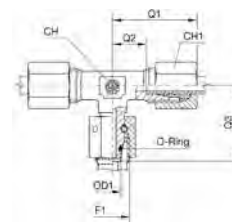
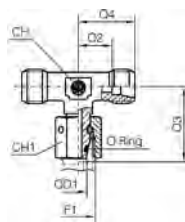
**Branch Tee adjustable elbow connector DIN 24° Male - BSPP Male with O-Ring - Heavy series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
		mm								
1206355	1244340	-0606	6	M14X1.5	31,0	16,0	27,0	23,0	12,0	17,0
1206373	1244341	-0808	8	M16X1.5	32,0	17,0	27,5	24,0	14,0	19,0
1205581	1244342	-1010	10	M18X1.5	34,0	17,5	30,0	25,0	17,0	22,0
1205737	1244343	-1212	12	M20X1.5	38,0	21,5	31,0	29,0	17,0	24,0
1206280	1244344	-1414	14	M22X1.5	40,0	22,0	35,0	30,0	19,0	27,0
1205738	1244345	-1616	16	M24X1.5	43,0	24,5	36,5	33,0	24,0	30,0
1205739	1244346	-2020	20	M30X2	48,0	26,5	44,5	37,0	27,0	36,0
1206281	1244347	-2525	25	M36X2	54,0	30,0	50,0	42,0	36,0	46,0
1206297	1244348	-3030	30	M42X2	62,0	35,5	55,0	49,0	41,0	50,0
1206587	1244349	-3838	38	M52X2	72,0	41,0	64,5	57,0	50,0	60,0

**// R1A11MT152**

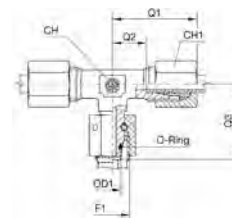
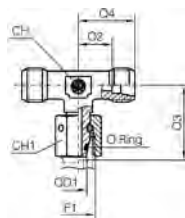
**Branch Tee adjustable elbow connector DIN 24° Male - Female with O-Ring - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
		mm								
1211350	1243986	-0606	6	M12X1.5	27,0	12,0	26,0	20,0	12,0	14,0
1208058	1243987	-0808	8	M14X1.5	29,0	14,0	27,5	21,0	12,0	17,0
1206856	1243988	-1010	10	M16X1.5	30,0	15,0	29,0	22,5	14,0	19,0
1210689	1241143	-1212	12	M18X1.5	32,0	17,0	29,5	24,0	17,0	22,0
1208059	1243989	-1515	15	M22X1.5	36,0	21,0	32,5	28,0	19,0	27,0
1208060	1243990	-1818	18	M26X1.5	40,0	23,5	35,5	31,0	24,0	32,0
1211351	1243991	-2222	22	M30X2	44,0	27,5	38,5	35,0	27,0	36,0
1211352	1243992	-2828	28	M36X2	47,0	30,5	41,5	38,0	36,0	41,0
1208061	1243993	-3535	35	M45X2	56,0	34,5	51,0	45,0	41,0	50,0
1211353	1243994	-4242	42	M52X2	63,0	40,0	56,0	51,0	50,0	60,0

**// R1A12MT162**

**Branch Tee adjustable elbow connector DIN 24° Male - Female with O-Ring - Heavy series**

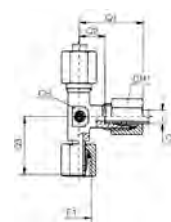
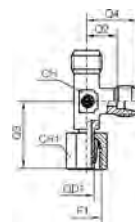


Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
		mm								
1211404	1244360	-0606	6	M14X1.5	31,0	16,0	27,0	23,0	12,0	17,0
1211405	1244361	-0808	8	M16X1.5	32,0	17,0	27,5	24,0	14,0	19,0
1208196	1244362	-1010	10	M18X1.5	34,0	17,5	30,0	25,0	17,0	22,0
1208197	1244363	-1212	12	M20X1.5	38,0	21,5	31,0	29,0	17,0	24,0
1211406	1244364	-1414	14	M22X1.5	40,0	22,0	35,0	30,0	19,0	27,0
1207470	1244365	-1616	16	M24X1.5	43,0	24,5	36,5	33,0	24,0	30,0
1211407	1244366	-2020	20	M30X2	48,0	26,5	44,5	37,0	27,0	36,0
1211408	1244367	-2525	25	M36X2	54,0	30,0	50,0	42,0	36,0	46,0
1211409	1244368	-3030	30	M42X2	62,0	35,5	55,0	49,0	41,0	50,0
1211410	1244369	-3838	38	M52X2	72,0	41,0	63,0	57,0	50,0	60,0

Dimensions shown may be changed without prior notice

## // R1A11ML113

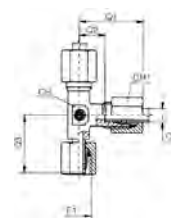
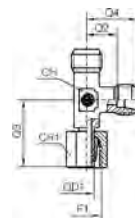
Run Tee adjustable elbow connector  
DIN 24° Male - Female pre-  
assembled - Light series



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
		mm	mm		mm	mm	mm	mm	mm	mm
1205478	1241964	-0606	6	M12X1.5	27,0	12,0	26,0	19,0	12,0	14,0
1205479	1241535	-0808	8	M14X1.5	29,0	14,0	27,5	21,0	12,0	17,0
1205677	1241702	-1010	10	M16X1.5	30,0	15,0	29,0	22,0	14,0	19,0
1242248	1241536	-1212	12	M18X1.5	32,0	17,0	29,5	24,0	17,0	22,0
1204221	1241537	-1515	15	M22X1.5	36,0	21,0	32,5	28,0	19,0	27,0
1205529	1243939	-1818	18	M26X1.5	40,0	23,5	35,5	31,0	24,0	32,0
1205759	1243940	-2222	22	M30X2	44,0	27,5	38,5	35,0	27,0	36,0
1206072	1243941	-2828	28	M36X2	47,0	30,5	41,5	38,0	36,0	41,0
1206129	1243942	-3535	35	M45X2	56,0	34,5	51,0	45,0	41,0	50,0
1206586	1243943	-4242	42	M52X2	63,0	40,0	60,0	51,0	50,0	60,0

## // R1A12ML123

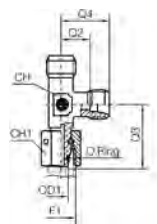
Run Tee adjustable elbow connector  
DIN 24° Male - Female pre-  
assembled - Heavy series



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
		mm	mm		mm	mm	mm	mm	mm	mm
1206354	1244302	-0606	6	M14X1.5	31,0	16,0	27,0	23,0	12,0	17,0
1206367	1244303	-0808	8	M16X1.5	32,0	17,0	27,5	24,0	14,0	19,0
1205580	1244304	-1010	10	M18X1.5	34,0	17,5	30,0	25,0	17,0	22,0
1206179	1244305	-1212	12	M20X1.5	38,0	21,5	31,0	29,0	17,0	24,0
1206130	1244306	-1414	14	M22X1.5	40,0	22,0	35,0	30,0	19,0	27,0
1206010	1244307	-1616	16	M24X1.5	43,0	24,5	36,5	33,0	24,0	30,0
1205678	1244308	-2020	20	M30X2	48,0	26,5	44,5	37,0	27,0	36,0
1206255	1244309	-2525	25	M36X2	54,0	30,0	50,0	42,0	36,0	46,0
1205574	1244310	-3030	30	M42X2	62,0	35,5	55,0	49,0	41,0	50,0
1206588	1244311	-3838	38	M52X2	72,0	41,0	64,5	57,0	50,0	60,0

**// R1A11ML152**

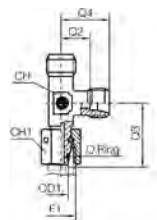
**Run Tee adjustable elbow connector  
DIN 24° Male - Female with O-Ring -  
Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
		mm	mm		mm	mm	mm	mm	mm	mm
1211347	1243944	-0606	6	M12X1.5	27,0	12,0	26,0	20,0	12,0	14,0
1208088	1243945	-0808	8	M14X1.5	29,0	14,0	27,5	21,0	12,0	17,0
1206813	1243946	-1010	10	M16X1.5	30,0	15,0	29,0	22,5	14,0	19,0
1206889	1243947	-1212	12	M18X1.5	32,0	17,0	29,5	24,0	17,0	22,0
1207522	1243948	-1515	15	M22X1.5	36,0	21,0	32,5	28,0	19,0	27,0
1208089	1243949	-1818	18	M26X1.5	40,0	23,5	35,5	31,0	24,0	32,0
1207518	1243950	-2222	22	M30X2	44,0	27,5	38,5	35,0	27,0	36,0
1208090	1243951	-2828	28	M36X2	47,0	30,5	41,5	38,0	36,0	41,0
1211348	1243952	-3535	35	M45X2	56,0	34,5	51,0	45,0	41,0	50,0
1211349	1243953	-4242	42	M52X2	63,0	40,0	56,0	51,0	50,0	60,0

**// R1A12ML162**

**Run Tee adjustable elbow connector  
DIN 24° Male - Female with O-Ring -  
Heavy series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
		mm	mm		mm	mm	mm	mm	mm	mm
1211400	1244312	-0606	6	M14X1.5	31,0	16,0	27,0	23,0	12,0	17,0
1207087	1244313	-0808	8	M16X1.5	32,0	17,0	27,5	24,0	14,0	19,0
1211401	1244314	-1010	10	M18X1.5	34,0	17,5	30,0	25,0	17,0	22,0
1208190	1244315	-1212	12	M20X1.5	38,0	21,5	31,0	29,0	17,0	24,0
1206883	1244316	-1414	14	M22X1.5	40,0	22,0	35,0	30,0	19,0	27,0
1211402	1244317	-1616	16	M24X1.5	43,0	24,5	36,5	33,0	24,0	30,0
1208193	1244318	-2020	20	M30X2	48,0	26,5	44,5	37,0	27,0	36,0
1207086	1244319	-2525	25	M36X2	54,0	30,0	50,0	42,0	36,0	46,0
1211403	1244320	-3030	30	M42X2	62,0	35,5	55,0	49,0	41,0	50,0
1208194	1244321	-3838	38	M52X2	72,0	41,0	63,0	57,0	50,0	60,0

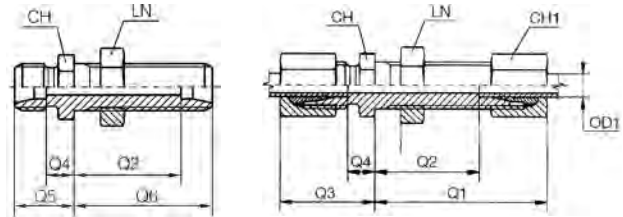


Dimensions shown may be changed without prior notice

## // BULKHEAD

### // R1A11T111M

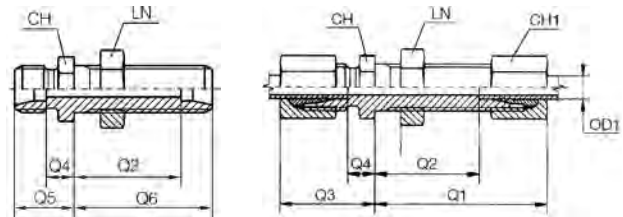
#### Straight union DIN 24° Bulkhead - Light series



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	Q5	CH	CH1	LN
		mm			mm	mm	mm	mm	mm	mm	mm	mm
1206125	1244014	-0606	6	M12X1.5	42,0	27,0	22,0	7,0	14,0	17,0	14,0	17,0
1205545	1240816	-0808	8	M14X1.5	42,0	27,0	23,0	8,0	15,0	19,0	17,0	19,0
1206243	1240818	-1010	10	M16X1.5	43,0	28,0	25,0	10,0	17,0	22,0	19,0	22,0
1205892	1241544	-1212	12	M18X1.5	44,0	29,0	25,0	10,0	17,0	24,0	22,0	24,0
1205679	1241546	-1515	15	M22X1.5	46,0	31,0	27,0	12,0	19,0	27,0	27,0	30,0
1206126	1244015	-1818	18	M26X1.5	49,0	32,5	30,0	13,5	19,0	32,0	32,0	36,0
1205540	1244016	-2222	22	M30X2	51,0	34,5	33,0	16,5	24,0	36,0	36,0	41,0
1206071	1244017	-2828	28	M36X2	52,0	35,5	35,0	18,5	26,0	41,0	41,0	46,0
1206244	1244018	-3535	35	M45X2	58,0	36,5	40,0	18,5	29,0	50,0	50,0	55,0
1207043	1244019	-4242	42	M52X2	59,0	36,0	42,0	19,0	30,0	60,0	60,0	65,0

### // R1A12T112M

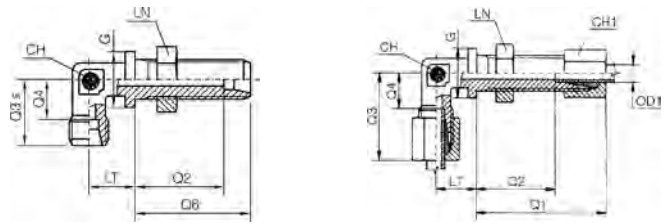
#### Straight union DIN 24° Bulkhead - Heavy series



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	Q5	CH	CH1	LN
		mm			mm	mm	mm	mm	mm	mm	mm	mm
1206358	1244389	-0606	6	M14X1.5	44,0	29,0	27,0	12,0	19,0	19,0	17,0	19,0
1205969	1244390	-0808	8	M16X1.5	44,0	29,0	28,0	13,0	20,0	22,0	19,0	22,0
1206245	1244391	-1010	10	M18X1.5	46,0	29,5	31,0	14,5	22,0	24,0	22,0	24,0
1206247	1244392	-1212	12	M20X1.5	47,0	30,5	31,0	14,5	22,0	27,0	24,0	27,0
1206246	1244393	-1414	14	M22X1.5	50,0	32,0	35,0	17,0	25,0	30,0	27,0	30,0
1205970	1243660	-1616	16	M24X1.5	50,0	31,5	35,0	16,5	25,0	32,0	30,0	32,0
1205957	1244394	-2020	20	M30X2	55,0	33,5	39,0	17,5	28,0	41,0	36,0	41,0
1206127	1244395	-2525	25	M36X2	59,0	35,0	44,0	20,0	32,0	46,0	46,0	46,0
1205575	1244396	-3030	30	M42X2	64,0	37,5	48,0	21,5	35,0	50,0	50,0	50,0
1206417	1244397	-3838	38	M52X2	68,0	37,0	53,0	22,0	38,0	65,0	60,0	65,0

**// R1A11T911M**

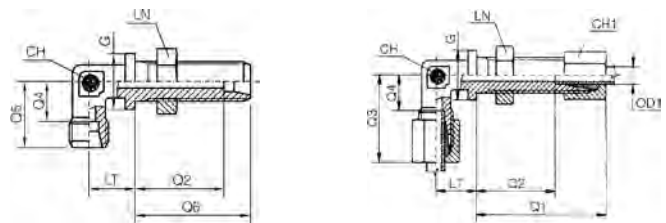
**90° union DIN 24° Bulkhead - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	LN
		mm											
1206248	1241547	-0606	6	M12X1.5	42,0	27,0	27,0	12,0	19,0	14,0	12,0	14,0	17,0
1206249	1241548	-0808	8	M14X1.5	42,0	27,0	29,0	14,0	21,0	17,0	12,0	17,0	19,0
1206250	1241549	-1010	10	M16X1.5	43,0	28,0	30,0	15,0	22,0	18,0	14,0	19,0	22,0
1206251	1244020	-1212	12	M18X1.5	44,0	29,0	32,0	17,0	24,0	20,0	17,0	22,0	24,0
1205686	1244021	-1515	15	M22X1.5	46,0	31,0	36,0	21,0	28,0	23,0	19,0	27,0	30,0
1206252	1244022	-1818	18	M26X1.5	49,0	32,5	40,0	23,5	31,0	24,0	24,0	32,0	36,0
1206253	1244023	-2222	22	M30X2	51,0	34,5	44,0	27,5	35,0	30,0	27,0	36,0	41,0
1206357	1244024	-2828	28	M36X2	52,0	35,5	47,0	30,5	38,0	34,0	36,0	41,0	46,0
1206254	1244025	-3535	35	M45X2	58,0	36,5	56,0	34,5	45,0	39,0	41,0	50,0	55,0
1206820	1244026	-4242	42	M52X2	59,0	36,0	63,0	40,0	51,0	43,0	50,0	60,0	65,0

**// R1A12T912M**

**90° union DIN 24° Bulkhead - Heavy series**



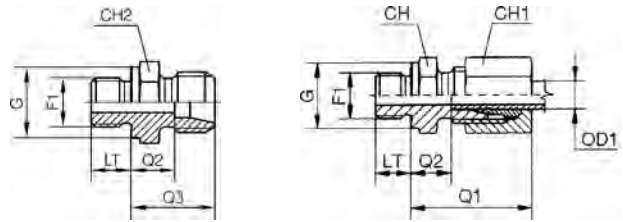
Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	LN
		mm											
1207147	1244398	-0606	6	M14X1.5	44,0	29,0	31,0	16,0	23,0	17,0	12,0	17,0	19,0
1206374	1244399	-0808	8	M16X1.5	44,0	29,0	32,0	17,0	24,0	18,0	14,0	19,0	22,0
1206256	1244400	-1010	10	M18X1.5	46,0	29,5	34,0	17,5	25,0	20,0	17,0	22,0	24,0
1206260	1244401	-1212	12	M20X1.5	47,0	30,5	38,0	21,5	29,0	21,0	17,0	24,0	27,0
1206257	1244402	-1414	14	M22X1.5	50,0	32,0	40,0	22,0	30,0	23,0	19,0	27,0	30,0
1206258	1243661	-1616	16	M24X1.5	50,0	31,5	43,0	24,5	33,0	24,0	24,0	30,0	32,0
1206259	1244403	-2020	20	M30X2	55,0	33,5	48,0	26,5	37,0	30,0	27,0	36,0	41,0
1206261	1244404	-2525	25	M36X2	59,0	35,0	54,0	30,0	42,0	34,0	36,0	46,0	46,0
1207148	1244405	-3030	30	M42X2	64,0	37,5	62,0	35,5	49,0	39,0	41,0	50,0	50,0
1207149	1244406	-3838	38	M52X2	68,0	37,0	72,0	41,0	57,0	43,0	50,0	60,0	65,0

Dimensions shown may be changed without prior notice

## // METRIC

### // R1A11M150M

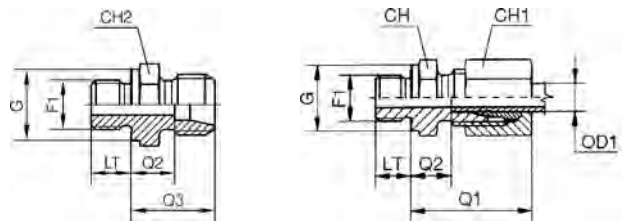
**Straight connector DIN 24° Male -  
Metric cylindric Male - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	CH	CH1	LT	G
					mm	mm	mm	mm	mm	mm	mm
1205809	1243830	-0610	6	M10X1.0	23,0	8,5	15,5	14,0	14,0	8,0	14,0
1205684	1243831	-0812	8	M12X1.5	25,0	10,0	17,0	17,0	17,0	12,0	17,0
1205556	1243832	-1014	10	M14X1.5	26,0	11,0	18,0	19,0	19,0	12,0	19,0
1203520	1243833	-1216	12	M16X1.5	27,0	12,5	19,5	22,0	22,0	12,0	21,0
1205557	1243834	-1518	15	M18X1.5	29,0	14,0	20,5	24,0	27,0	14,0	23,0
1206006	1243835	-1822	18	M22X1.5	31,0	14,5	22,0	27,0	32,0	14,0	27,0
1205812	1243836	-2226	22	M26X1.5	33,0	16,5	24,0	32,0	36,0	16,0	31,0
1206534	1243837	-2833	28	M33X2.0	34,0	17,5	25,0	41,0	41,0	18,0	39,0
1208162	1243838	-3542	35	M42X2	39,0	17,5	28,0	50,0	50,0	20,0	49,0
1207814	1243839	-4248	42	M48X2.0	42,0	19,0	30,0	55,0	60,0	22,0	55,0

### // R1A12M150M

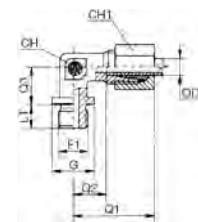
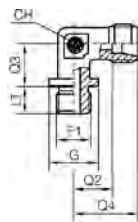
**Straight connector DIN 24° Male -  
Metric cylindric Male - Heavy series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	CH	CH1	LT	G
					mm	mm	mm	mm	mm	mm	mm
1206225	1244185	-0612	6	M12X1.5	28,0	13,0	20,0	17,0	17,0	12,0	17,0
1206226	1244186	-0814	8	M14X1.5	30,0	15,0	22,0	19,0	19,0	12,0	19,0
1205971	1244187	-1016	10	M16X1.5	31,0	15,0	22,5	22,0	22,0	12,0	21,0
1205813	1244188	-1218	12	M18X1.5	33,0	17,0	24,5	24,0	24,0	12,0	23,0
1205814	1244189	-1420	14	M20X1.5	37,0	19,0	27,0	27,0	27,0	14,0	25,0
1205815	1244190	-1622	16	M22X1.5	37,0	18,5	27,0	27,0	30,0	14,0	27,0
1205816	1244191	-2027	20	M27X2	42,0	20,5	31,0	32,0	36,0	16,0	32,0
1205817	1244192	-2533	25	M33X2.0	47,0	23,0	35,0	41,0	46,0	18,0	39,0
1211293	1244193	-3042	30	M42X2	50,0	23,5	37,0	50,0	50,0	20,0	49,0
1211294	1244194	-3848	38	M48X2.0	57,0	26,0	42,0	55,0	60,0	22,0	55,0

**// R1A11M950M**

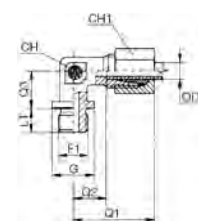
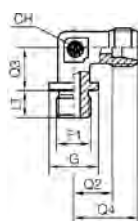
**90° elbow connector DIN 24° Male -  
Metric cylindric Male - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LT	G
		mm			mm	mm	mm	mm	mm	mm	mm	mm
1211163	1243878	-2226	22	M26X1.5	44,0	27,5	26,0	35,0	27,0	36,0	16,0	31,0
1211164	1243879	-2833	28	M33X2.0	47,0	30,5	30,0	38,0	36,0	41,0	18,0	39,0
1211165	1243880	-3542	35	M42X2	56,0	34,5	34,0	45,0	41,0	50,0	20,0	49,0
1211166	1243881	-4248	42	M48X2.0	63,0	40,0	39,0	51,0	50,0	60,0	22,0	55,0

**// R1A12M950M**

**90° elbow connector DIN 24° Male -  
Metric cylindric Male - Heavy series**

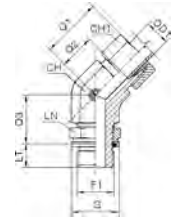
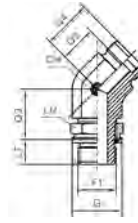


Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LT	G
		mm			mm	mm	mm	mm	mm	mm	mm	mm
1211320	1244242	-2027	20	M27X2	48,0	26,5	26,0	37,0	27,0	36,0	16,0	32,0
1211321	1244243	-2533	25	M33X2.0	54,0	31,0	30,0	42,0	36,0	46,0	18,0	39,0
1211322	1244244	-3042	30	M42X2	62,0	35,5	34,0	49,0	41,0	50,0	20,0	49,0
1211323	1244245	-3848	38	M48X2.0	72,0	41,0	39,0	57,0	50,0	60,0	22,0	55,0

Dimensions shown may be changed without prior notice

### // R1A11M452Q

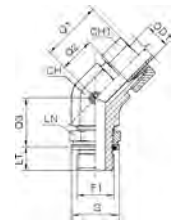
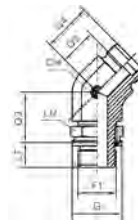
**45° adjustable elbow connector DIN  
24° Male - Metric Male with O-Ring  
and retaining ring - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
		mm											
1244877	1244949	-0610	6	M10X1.0	29,0	14,0	20,0	21,0	14,0	14,0	14,0	7,5	15,0
1244878	1244950	-0812	8	M12X1.5	31,0	16,0	22,5	23,0	14,0	17,0	17,0	9,5	18,0
1239701	1244951	-1014	10	M14X1.5	32,0	17,0	25,5	24,0	19,0	19,0	19,0	9,5	20,0
1244879	1244952	-1216	12	M16X1.5	34,0	19,0	26,0	26,0	19,0	22,0	22,0	10,0	23,0
1244880	1244953	-1518	15	M18X1.5	36,0	21,0	30,0	28,0	22,0	27,0	24,0	11,0	25,0
1244881	1244954	-1822	18	M22X1.5	40,0	24,0	34,0	31,5	27,0	32,0	27,0	11,0	28,0
1244882	1244955	-2227	22	M27X2	44,0	28,0	36,0	35,5	33,0	36,0	32,0	13,5	33,0
1244883	1244956	-2833	28	M33X2.0	47,0	31,0	40,5	38,5	41,0	41,0	41,0	13,5	41,0
1244884	1244957	-3542	35	M42X2	59,0	38,0	48,5	48,5	48,0	50,0	50,0	13,5	51,0
1244885	1244958	-4248	42	M48X2.0	61,0	38,0	50,0	49,0	48,0	60,0	55,0	15,0	56,0

### // R1A12M452Q

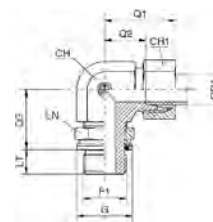
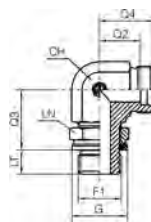
**45° adjustable elbow connector DIN  
24° Male - Metric Male with O-Ring  
and retaining ring - Heavy series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
		mm											
1244903	1245017	-0612	6	M12X1.5	30,5	15,5	23,5	22,5	14,0	17,0	17,0	9,5	18,0
1244904	1245018	-0814	8	M14X1.5	33,0	18,0	26,5	25,0	19,0	19,0	19,0	9,5	20,0
1237052	1245019	-1016	10	M16X1.5	34,0	18,0	27,0	25,5	19,0	22,0	22,0	11,0	23,0
1244905	1245020	-1218	12	M18X1.5	38,0	22,0	30,5	29,5	22,0	24,0	24,0	12,5	25,0
1244906	1245021	-1622	16	M22X1.5	43,0	25,0	37,0	33,5	27,0	30,0	27,0	13,0	28,0
1237053	1245022	-2027	20	M27X2	49,0	28,0	39,5	38,5	33,0	36,0	32,0	14,0	33,0
1244907	1245023	-2533	25	M33X2.0	54,5	30,5	43,0	42,5	41,0	46,0	41,0	14,0	41,0
1244908	1245024	-3042	30	M42X2	62,0	36,0	52,0	49,5	48,0	50,0	50,0	16,0	51,0
1244909	1245025	-3848	38	M48X2.0	65,0	34,0	51,0	50,0	48,0	60,0	55,0	18,0	56,0

**// R1A11M952Q**

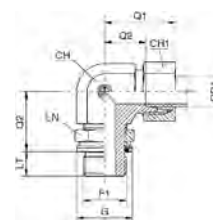
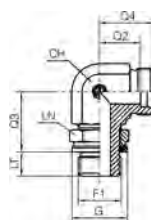
**90° adjustable elbow connector DIN  
24° Male - Metric Male with O-Ring  
and retaining ring - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
		mm											
1242471	1243882	-0610	6	M10X1.0	29,0	14,0	20,0	21,0	14,0	14,0	14,0	7,5	15,0
1231361	1243883	-0812	8	M12X1.5	31,0	16,0	22,5	23,0	14,0	17,0	17,0	9,5	18,0
1231362	1243884	-1014	10	M14X1.5	32,0	17,0	25,5	24,0	19,0	19,0	19,0	9,5	20,0
1242472	1243885	-1216	12	M16X1.5	34,0	19,0	26,0	26,0	19,0	22,0	22,0	10,0	23,0
1231363	1243886	-1518	15	M18X1.5	36,0	21,0	30,0	28,0	22,0	27,0	24,0	11,0	25,0
1242473	1243887	-1822	18	M22X1.5	40,0	24,0	34,0	31,5	27,0	32,0	27,0	11,0	28,0
1237041	1243888	-2227	22	M27X2	44,0	28,0	36,0	35,5	33,0	36,0	32,0	13,5	33,0
1231364	1243889	-2833	28	M33X2.0	47,0	31,0	40,5	38,5	41,0	41,0	41,0	13,5	41,0
1231365	1243890	-3542	35	M42X2	59,0	38,0	48,5	48,5	48,0	50,0	50,0	13,5	51,0
1242474	1243891	-4248	42	M48X2.0	61,0	38,0	50,0	49,0	48,0	60,0	55,0	15,0	56,0

**// R1A12M952Q**

**90° adjustable elbow connector DIN  
24° Male - Metric Male with O-Ring  
and retaining ring - Heavy series**

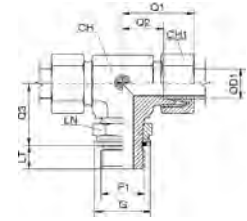
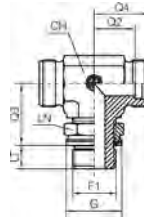


Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
		mm											
1231379	1244246	-0612	6	M12X1.5	30,5	15,5	23,5	22,5	14,0	17,0	17,0	9,5	18,0
1216243	1244247	-0814	8	M14X1.5	33,0	18,0	26,5	25,0	19,0	19,0	19,0	9,5	20,0
1242475	1244248	-1016	10	M16X1.5	34,0	18,0	27,0	25,5	19,0	22,0	22,0	11,0	23,0
1242476	1244249	-1218	12	M18X1.5	38,0	22,0	30,5	29,5	22,0	24,0	24,0	12,5	25,0
1242477	1244250	-1622	16	M22X1.5	43,0	25,0	37,0	33,5	27,0	30,0	27,0	13,0	28,0
1211329	1244251	-2027	20	M27X2	49,0	28,0	39,5	38,5	33,0	36,0	32,0	14,0	33,0
1242478	1244252	-2533	25	M33X2.0	54,5	30,5	43,0	42,5	41,0	46,0	41,0	14,0	41,0
1242479	1244253	-3042	30	M42X2	62,0	36,0	52,0	49,5	48,0	50,0	50,0	16,0	51,0
1242480	1244254	-3848	38	M48X2.0	65,0	34,0	51,0	50,0	48,0	60,0	55,0	18,0	56,0

Dimensions shown may be changed without prior notice

### // R1A11MT52Q

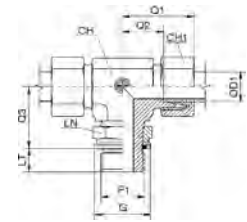
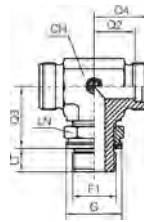
**Branch Tee adjustable elbow connector DIN 24° Male - Metric Male with O-Ring and retaining ring - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
		mm											
1242481	1243995	-0610	6	M12X1.5	29,0	14,0	20,0	21,0	14,0	14,0	14,0	7,5	15,0
1242482	1243996	-0812	8	M14X1.5	31,0	16,0	22,5	23,0	14,0	17,0	17,0	9,5	18,0
1242483	1243997	-1014	10	M16X1.5	32,0	17,0	25,5	24,0	19,0	19,0	19,0	9,5	20,0
1242484	1243998	-1216	12	M18X1.5	34,0	19,0	26,0	26,0	19,0	22,0	22,0	10,0	23,0
1242485	1243999	-1518	15	M22X1.5	36,0	21,0	30,0	28,0	22,0	27,0	24,0	11,0	25,0
1242486	1244000	-1822	18	M26X1.5	40,0	24,0	34,0	31,5	27,0	32,0	27,0	11,0	28,0
1242487	1244001	-2227	22	M30X2	44,0	28,0	36,0	35,5	33,0	36,0	32,0	13,5	33,0
1242488	1244002	-2833	28	M36X2	47,0	31,0	40,5	38,5	41,0	41,0	41,0	13,5	41,0
1242489	1244003	-3542	35	M45X2	59,0	38,0	48,5	48,5	48,0	50,0	50,0	13,5	51,0
1237043	1244004	-4248	42	M52X2	61,0	38,0	50,0	49,0	48,0	60,0	55,0	15,0	56,0

### // R1A12MT52Q

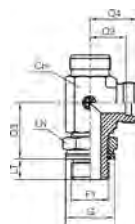
**Branch Tee adjustable elbow connector DIN 24° Male - Metric Male with O-Ring and retaining ring - Heavy series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
		mm											
1242490	1244370	-0612	6	M14X1.5	30,5	15,5	23,5	22,5	14,0	17,0	17,0	9,5	18,0
1242491	1244371	-0814	8	M16X1.5	33,0	18,0	26,5	25,0	19,0	19,0	19,0	9,5	20,0
1242492	1244372	-1016	10	M18X1.5	34,0	18,0	27,0	25,5	19,0	22,0	22,0	11,0	23,0
1242493	1244373	-1218	12	M20X1.5	38,0	22,0	30,5	29,5	22,0	24,0	24,0	12,5	25,0
1242494	1244374	-1622	16	M24X1.5	43,0	25,0	37,0	33,5	27,0	30,0	27,0	13,0	28,0
1242495	1244375	-2027	20	M30X2	49,0	28,0	39,5	38,5	33,0	36,0	32,0	14,0	33,0
1242496	1244376	-2533	25	M36X2	54,5	30,5	43,0	42,5	41,0	46,0	41,0	14,0	41,0
1242497	1244377	-3042	30	M42X2	62,0	36,0	52,0	49,5	48,0	50,0	50,0	16,0	51,0
1242498	1244378	-3848	38	M52X2	65,0	34,0	51,0	50,0	48,0	60,0	55,0	18,0	56,0

**// R1A11ML52Q**

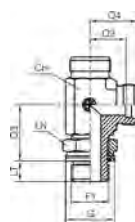
**Run Tee adjustable elbow connector  
DIN 24° Male - Metric Male with  
O-Ring and retaining ring - Light  
series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
		mm											
1242499	1243954	-0610	6	M10X1.0	29,0	14,0	20,0	21,0	14,0	14,0	14,0	7,5	15,0
1242500	1243955	-0812	8	M12X1.5	31,0	16,0	22,5	23,0	14,0	17,0	17,0	9,5	18,0
1242501	1243956	-1014	10	M14X1.5	32,0	17,0	25,5	24,0	19,0	19,0	19,0	9,5	20,0
1242502	1243957	-1216	12	M16X1.5	34,0	19,0	26,0	26,0	19,0	22,0	22,0	10,0	23,0
1242503	1243958	-1518	15	M18X1.5	36,0	21,0	30,0	28,0	22,0	27,0	24,0	11,0	25,0
1242504	1243959	-1822	18	M22X1.5	40,0	24,0	34,0	31,5	27,0	32,0	27,0	11,0	28,0
1242505	1243960	-2227	22	M27X2	44,0	28,0	36,0	35,5	33,0	36,0	32,0	13,5	33,0
1242506	1243961	-2833	28	M33X2.0	47,0	31,0	40,5	38,5	41,0	41,0	41,0	13,5	41,0
1242507	1243962	-3542	35	M42X2	59,0	38,0	48,5	48,5	48,0	50,0	50,0	13,5	51,0
1242508	1243963	-4248	42	M48X2.0	61,0	38,0	50,0	49,0	48,0	60,0	55,0	15,0	56,0

**// R1A12ML52Q**

**Run Tee adjustable elbow connector  
DIN 24° Male - Metric Male with  
O-Ring and retaining ring - Heavy  
series**



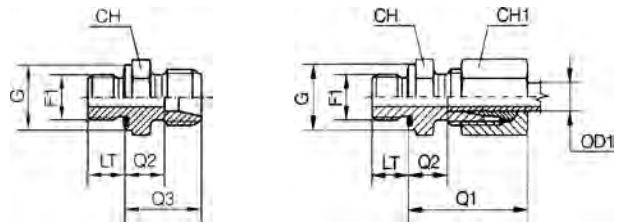
Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
		mm											
1242509	1244322	-0612	6	M12X1.5	30,5	15,5	23,5	22,5	14,0	17,0	17,0	9,5	18,0
1242510	1244323	-0814	8	M14X1.5	33,0	18,0	26,5	25,0	19,0	19,0	19,0	9,5	20,0
1242511	1244324	-1016	10	M16X1.5	34,0	18,0	27,0	25,5	19,0	22,0	22,0	11,0	23,0
1242512	1244325	-1218	12	M18X1.5	38,0	22,0	30,5	29,5	22,0	24,0	24,0	12,5	25,0
1242513	1244326	-1622	16	M22X1.5	43,0	25,0	37,0	33,5	27,0	30,0	27,0	13,0	28,0
1242514	1244327	-2027	20	M27X2	49,0	28,0	39,5	38,5	33,0	36,0	32,0	14,0	33,0
1242515	1244328	-2533	25	M33X2.0	54,5	30,5	43,0	45,5	41,0	46,0	41,0	14,0	41,0
1242516	1244329	-3042	30	M42X2	62,0	36,0	52,0	49,5	48,0	50,0	50,0	16,0	51,0
1242517	1244330	-3848	38	M48X2.0	65,0	34,0	51,0	50,0	48,0	60,0	55,0	18,0	56,0



Dimensions shown may be changed without prior notice

**// R1A11M152I**

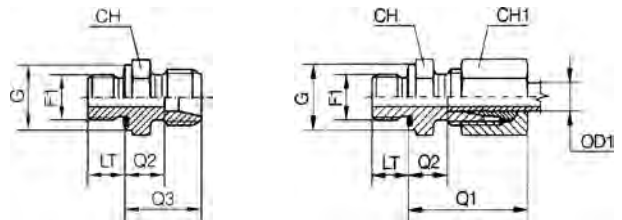
**Straight connector DIN 24° Male -  
Metric cylindric Male with elastomer  
- Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	CH	CH1	LT	G
		mm									
1206135	1241558	-0610	6	M10X1.0	23,0	8,5	15,5	14,0	14,0	8,0	14,0
1206136	1241700	-0812	8	M12X1.5	25,0	10,0	17,0	17,0	17,0	12,0	17,0
1206137	1243840	-1014	10	M14X1.5	26,0	11,0	18,0	19,0	19,0	12,0	19,0
1206163	1243841	-1216	12	M16X1.5	27,0	12,5	19,5	22,0	22,0	12,0	22,0
1206138	1243842	-1518	15	M18X1.5	29,0	14,0	20,5	24,0	27,0	14,0	24,0
1206085	1243843	-1822	18	M22X1.5	31,0	14,5	22,0	27,0	32,0	14,0	27,0
1206284	1243844	-2226	22	M26X1.5	33,0	16,5	24,0	32,0	36,0	16,0	32,0
1207004	1243845	-2833	28	M33X2.0	34,0	17,5	25,0	41,0	41,0	18,0	40,0
1207005	1243846	-3542	35	M42X2	39,0	17,5	28,0	50,0	50,0	20,0	50,0

**// R1A12M152I**

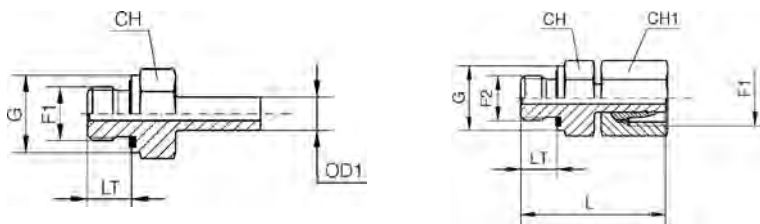
**Straight connector DIN 24° Male -  
Metric cylindric Male with elastomer  
- Heavy series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	CH	CH1	LT	G
		mm									
1206285	1244195	-0612	6	M12X1.5	28,0	13,0	20,0	17,0	17,0	12,0	17,0
1207024	1244196	-0814	8	M14X1.5	30,0	15,0	22,0	19,0	19,0	12,0	19,0
1206286	1244197	-1016	10	M16X1.5	31,0	15,0	22,5	22,0	22,0	12,0	22,0
1206162	1244198	-1218	12	M18X1.5	33,0	17,0	24,5	24,0	24,0	12,0	24,0
1211295	1244199	-1420	14	M20X1.5	37,0	19,0	27,0	27,0	27,0	14,0	26,0
1206287	1244200	-1622	16	M22X1.5	37,0	18,5	27,0	27,0	30,0	14,0	27,0
1241127	1244201	-2027	20	M27X2	42,0	20,5	31,0	32,0	36,0	16,0	32,0
1206061	1244202	-2533	25	M33X2.0	47,0	23,0	35,0	41,0	46,0	18,0	40,0
1211296	1244203	-3042	30	M42X2	50,0	23,5	37,0	50,0	50,0	20,0	50,0
1208081	1244204	-3848	38	M48X2.0	57,0	26,0	42,0	55,0	60,0	22,0	55,0

**// R1A113152I**

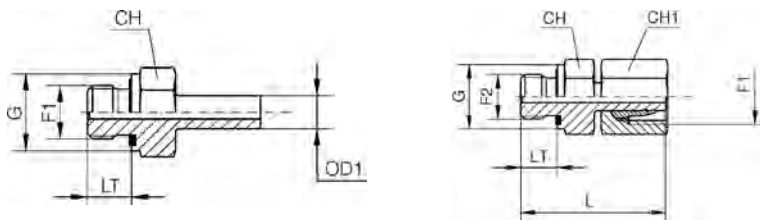
**Straight connector DIN 24° Female pre-assembled - Metric cylindric Male with elastomer - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	F2	LT	CH	CH1	G	L
		mm	mm							
1206979	1243698	-0610	6	M12X1.5	M10X1.0	8,0	14,0	14,0	14,0	32,5
1206980	1243699	-0812	8	M14X1.5	M12X1.5	12,0	17,0	17,0	17,0	38,5
1206981	1243700	-1014	10	M16X1.5	M14X1.5	12,0	19,0	19,0	19,0	39,0
1206288	1243701	-1216	12	M18X1.5	M16X1.5	12,0	22,0	22,0	22,0	42,5
1206067	1243702	-1518	15	M22X1.5	M18X1.5	12,0	24,0	27,0	24,0	43,5
1206982	1243703	-1822	18	M26X1.5	M22X1.5	14,0	27,0	32,0	27,0	45,5
1206983	1243704	-2226	22	M30X2	M26X1.5	16,0	32,0	36,0	32,0	48,5
1206984	1243705	-2833	28	M36X2	M33X2.0	18,0	41,0	41,0	40,0	53,5
1206985	1243706	-3542	35	M45X2	M42X2	20,0	50,0	50,0	50,0	62,5
1206986	1243707	-4248	42	M52X2	M48X2.0	22,0	55,0	60,0	55,0	68,5

**// R1A123152I**

**Straight connector DIN 24° Female pre-assembled - Metric cylindric Male with elastomer - Heavy series**

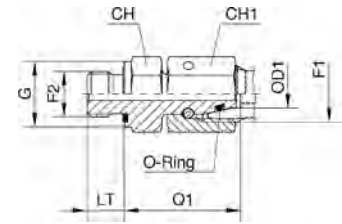


Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	F2	LT	CH	CH1	G	L
		mm	mm							
1207011	1244037	-0612	6	M14X1.5	M12X1.5	12,0	17,0	17,0	17,0	39,0
1207012	1244038	-0814	8	M16X1.5	M14X1.5	12,0	19,0	19,0	19,0	41,5
1207013	1244039	-1016	10	M18X1.5	M16X1.5	12,0	22,0	22,0	22,0	44,0
1207014	1244040	-1218	12	M20X1.5	M18X1.5	12,0	24,0	24,0	24,0	46,0
1207015	1244041	-1420	14	M22X1.5	M20X1.5	14,0	27,0	27,0	26,0	50,5
1207016	1244042	-1622	16	M24X1.5	M22X1.5	14,0	27,0	30,0	27,0	51,0
1207017	1244043	-2027	20	M30X2	M27X2	16,0	32,0	36,0	32,0	59,0
1207018	1244044	-2533	25	M36X2	M33X2.0	18,0	41,0	46,0	40,0	66,0
1207019	1244045	-3042	30	M42X2	M42X2	20,0	50,0	50,0	50,0	71,0
1207020	1244046	-3848	38	M52X2	M48X2.0	22,0	55,0	60,0	55,0	82,0

Dimensions shown may be changed without prior notice

## // R1A152152I

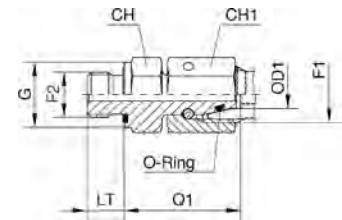
**Straight connector DIN 24° Female with O-Ring - Metric cylindric  
Male with elastomer - Light series**



Item Code	Head 1 / Head 2	OD1	F1	F2	Q1	LT	CH	CH1	G
	mm								
1211387	-0610	6	M12X1.5	M10X1.0	24,5	8,0	14,0	14,0	14,0
1211388	-0812	8	M14X1.5	M12X1.5	26,5	12,0	17,0	17,0	17,0
1211389	-1014	10	M16X1.5	M14X1.5	27,5	12,0	19,0	19,0	19,0
1211390	-1216	12	M18X1.5	M16X1.5	30,5	12,0	22,0	22,0	22,0
1211391	-1518	15	M22X1.5	M18X1.5	31,5	12,0	24,0	27,0	24,0
1208086	-1822	18	M26X1.5	M22X1.5	31,5	14,0	27,0	32,0	27,0
1211392	-2226	22	M30X2	M26X1.5	32,5	16,0	32,0	36,0	32,0
1211393	-2833	28	M36X2	M33X2.0	35,0	18,0	41,0	41,0	40,0
1211394	-3542	35	M45X2	M42X2	42,5	20,0	50,0	50,0	50,0
1211395	-4248	42	M52X2	M48X2.0	46,5	22,0	55,0	60,0	55,0

## // R1A162152I

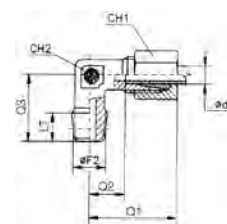
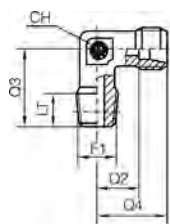
**Straight connector DIN 24° Female with O-Ring - Metric cylindric  
Male with elastomer - Heavy series**



Item Code	Head 1 / Head 2	OD1	F1	F2	Q1	LT	CH	CH1	G
	mm								
1211450	-0612	6	M14X1.5	M12X1.5	27,0	12,0	17,0	17,0	17,0
1211451	-0814	8	M16X1.5	M14X1.5	29,5	12,0	19,0	19,0	19,0
1211452	-1016	10	M18X1.5	M16X1.5	32,0	12,0	22,0	22,0	22,0
1208171	-1218	12	M20X1.5	M18X1.5	34,0	12,0	24,0	24,0	24,0
1208172	-1420	14	M22X1.5	M20X1.5	36,5	14,0	27,0	27,0	26,0
1211453	-1622	16	M24X1.5	M22X1.5	37,0	14,0	27,0	30,0	27,0
1211454	-2027	20	M30X2	M27X2	43,0	16,0	32,0	36,0	32,0
1211455	-2533	25	M36X2	M33X2.0	48,0	18,0	41,0	46,0	40,0
1208178	-3042	30	M42X2	M42X2	51,0	20,0	50,0	50,0	50,0
1208181	-3848	38	M52X2	M48X2.0	60,0	22,0	55,0	60,0	55,0

**// R1A11M962M**

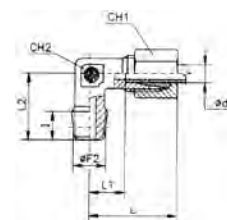
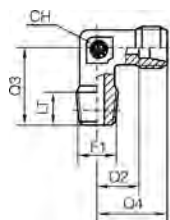
**90° elbow connector DIN 24° Male - Metric conic Male - Light series**



Item Code	Head 1 / Head 2	OD1 mm	F2	Q1	Q2	Q3	Q4	CH	CH1	LT
	mm			mm	mm	mm	mm	mm	mm	mm
1206141	-0610	6	M10X1.0	27,0	12,0	20,0	19,0	12,0	14,0	8,0
1206353	-0812	8	M12X1.5	29,0	14,0	26,0	21,0	12,0	17,0	12,0
1205818	-1014	10	M14X1.5	30,0	15,0	27,0	22,0	14,0	19,0	12,0
1205819	-1216	12	M16X1.5	32,0	17,0	28,0	24,0	17,0	22,0	12,0
1206229	-1518	15	M18X1.5	36,0	21,0	34,0	28,0	19,0	27,0	14,0
1208106	-1822	18	M22X1.5	40,0	23,5	36,0	31,0	24,0	32,0	14,0

**// R1A12M962M**

**90° elbow connector DIN 24° Male - Metric conic Male - Heavy series**

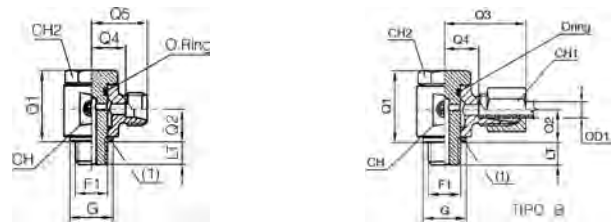


Item Code	Head 1 / Head 2	OD1 mm	F2	Q1	Q2	Q3	Q4	CH	CH1	LT
	mm			mm	mm	mm	mm	mm	mm	mm
1211333	-0612	6	M12X1.5	31,0	16,0	26,0	23,0	12,0	17,0	12,0
1211334	-0814	8	M14X1.5	32,0	17,0	27,0	24,0	14,0	19,0	12,0
1206142	-1016	10	M16X1.5	34,0	17,5	28,0	25,0	17,0	22,0	12,0
1206143	-1218	12	M18X1.5	38,0	21,5	31,0	29,0	17,0	24,0	12,0
1211335	-1420	14	M20X1.5	40,0	22,0	32,0	30,0	19,0	27,0	14,0
1206720	-1622	16	M22X1.5	43,0	24,5	32,0	33,0	24,0	30,0	14,0

Dimensions shown may be changed without prior notice

**// R1A11ME505**

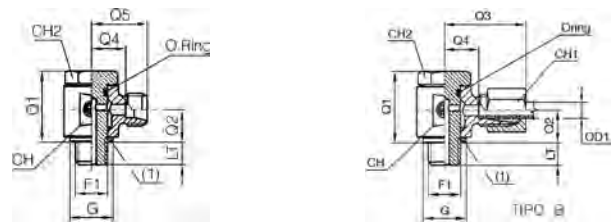
**Banjo adjustable - Type A - Metric  
cylindric DIN 24° - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	CH2	G
		mm			mm	mm	mm	mm	mm					
1205882	1243914	-0610	6	M10X1.0	27,0	12,5	29,0	13,0	20,0	8,0	19,0	14,0	17,0	15,0
1206274	1243915	-0812	8	M12X1.5	30,5	15,0	30,5	14,5	21,5	12,0	22,0	17,0	19,0	17,0
1244461	1231370	-1014	10	M14X1.5	30,5	15,0	32,0	15,5	22,5	12,0	22,0	19,0	19,0	18,0
1206581	1243916	-1216	12	M16X1.5	38,5	19,0	36,0	19,5	26,5	12,0	30,0	22,0	24,0	22,0
1206577	1243917	-1518	15	M18X1.5	44,5	21,5	39,0	22,5	29,0	14,0	36,0	27,0	24,0	22,0
1206580	1243918	-1822	18	M22X1.5	48,0	23,0	40,0	22,0	29,5	14,0	36,0	32,0	27,0	26,0
1206579	1243919	-2226	22	M26X1.5	56,0	26,0	47,0	28,0	35,5	16,0	41,0	36,0	32,0	32,0

**// R1A12ME505**

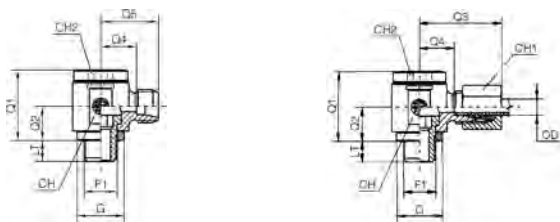
**Banjo adjustable - Type A - Metric  
cylindric DIN 24° - Heavy series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	CH2	G
		mm			mm	mm	mm	mm	mm					
1207056	1244276	-0612	6	M12X1.5	30,5	15,0	33,0	16,5	23,5	12,0	22,0	17,0	19,0	17,0
1207057	1244277	-0814	8	M14X1.5	30,5	15,0	32,5	16,5	23,5	12,0	22,0	19,0	19,0	18,0
1208098	1244278	-1016	10	M16X1.5	38,5	19,0	38,0	20,0	27,5	12,0	30,0	22,0	24,0	22,0
1206456	1244279	-1218	12	M18X1.5	37,5	18,0	38,0	20,0	27,5	12,0	30,0	24,0	24,0	22,0
1208099	1244280	-1420	14	M20X1.5	48,0	23,0	42,5	23,5	31,5	14,0	36,0	27,0	27,0	26,0
1206578	1244281	-1622	16	M22X1.5	48,0	23,0	43,0	23,0	31,5	14,0	36,0	30,0	27,0	26,0
1211301	1244282	-2027	20	M27X2	56,0	26,0	51,5	27,0	37,5	16,0	41,0	36,0	32,0	32,0

**// R1A11ME50M**

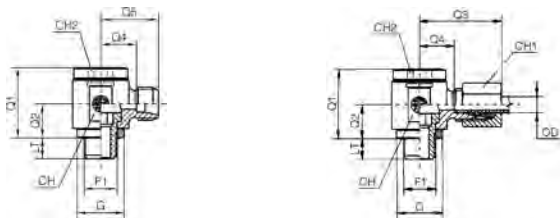
**Banjo adjustable - Type B - Metric  
cylindric DIN 24° - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	CH2	G
		mm												
1211010	1243920	-0610	6	M10X1.0	24,0	12,0	27,0	12,5	19,5	8,0	19,0	14,0	6,0	14,0
1206153	1243921	-0812	8	M12X1.5	30,0	15,0	29,0	14,5	21,5	12,0	22,0	17,0	6,0	17,0
1206275	1243922	-1014	10	M14X1.5	30,0	16,0	30,0	15,5	23,0	12,0	22,0	19,0	8,0	19,0
1206276	1243923	-1216	12	M16X1.5	37,0	18,0	33,0	18,0	25,5	12,0	27,0	22,0	10,0	21,0
1206154	1243924	-1518	15	M18X1.5	40,0	20,0	36,0	21,0	28,0	12,0	30,0	27,0	12,0	23,0
1207055	1243925	-1822	18	M22X1.5	46,0	23,0	38,0	21,5	29,0	14,0	36,0	32,0	14,0	27,0
1211011	1243926	-2226	22	M26X1.5	51,0	25,0	42,0	26,0	35,0	16,0	41,0	36,0	17,0	31,0
1211012	1243927	-2833	28	M33X2.0	64,0	32,0	48,0	31,5	39,0	18,0	50,0	41,0	22,0	39,0
1211013	1243928	-3542	35	M42X2	76,0	37,0	57,0	35,5	46,0	20,0	60,0	50,0	27,0	49,0

**// R1A12ME50M**

**Banjo adjustable - Type B - Metric  
cylindric DIN 24° - Heavy series**



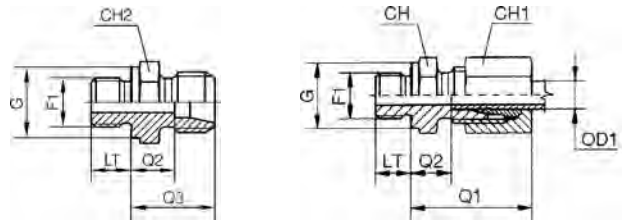
Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	CH2	G
		mm												
1206895	1244283	-0612	6	M12X1.5	30,0	15,0	31,0	16,5	23,5	12,0	22,0	17,0	6,0	17,0
1207058	1244284	-0814	8	M14X1.5	30,0	16,0	31,0	16,5	23,5	12,0	22,0	19,0	8,0	19,0
1206155	1244285	-1016	10	M16X1.5	37,0	18,0	35,0	18,5	26,0	12,0	27,0	22,0	10,0	21,0
1206156	1244286	-1218	12	M18X1.5	41,0	20,0	37,0	20,5	28,0	12,0	30,0	24,0	12,0	23,0
1206844	1244287	-1420	14	M20X1.5	42,0	21,0	41,0	23,0	31,0	14,0	32,0	27,0	12,0	25,0
1208221	1244288	-1622	16	M22X1.5	46,0	23,0	41,0	22,5	31,0	14,0	36,0	30,0	14,0	27,0
1207465	1244289	-2027	20	M27X2	58,0	28,0	49,0	27,5	38,0	16,0	46,0	36,0	17,0	32,0
1211200	1244290	-2533	25	M33X2.0	64,0	32,0	55,0	31,0	43,0	18,0	50,0	46,0	22,0	39,0
1208222	1244291	-3042	30	M42X2	76,0	37,0	63,0	36,5	50,0	20,0	60,0	50,0	27,0	49,0
1206157	1244292	-3848	38	M48X2.0	85,0	42,0	72,0	41,0	58,5	22,0	70,0	60,0	32,0	55,0

Dimensions shown may be changed without prior notice

// BSPP

// R1A11M106M

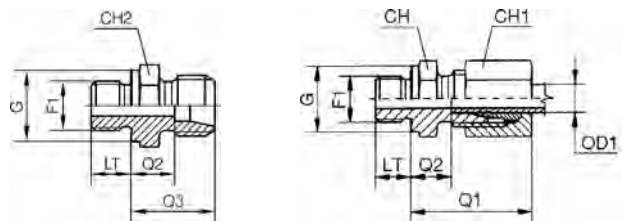
**Straight connector DIN 24° Male  
- BSPP cylindric flat Male - Light  
series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1 mm	F1	Q1 mm	Q2 mm	Q3 mm	CH mm	CH1 mm	LT mm	G mm
		mm									
1205740	1243731	-0602	6	1/8-28	23,0	8,5	15,5	14,0	14,0	8,0	14,0
1204273	1243732	-0604	6	1/4-19	25,0	10,0	17,0	19,0	14,0	12,0	18,0
1206930	1243733	-0606	6	3/8-19	26,0	11,5	18,5	22,0	14,0	12,0	22,0
1205528	1242345	-0804	8	1/4-19	25,0	10,0	17,0	19,0	17,0	12,0	18,0
1204274	1243734	-0806	8	3/8-19	26,0	11,5	18,5	22,0	17,0	12,0	22,0
1206597	1243735	-0808	8	1/2-14	27,0	12,0	19,0	27,0	17,0	14,0	26,0
1204262	1243736	-1004	10	1/4-19	26,0	11,0	18,0	19,0	19,0	12,0	18,0
1204264	1243737	-1006	10	3/8-19	27,0	12,5	19,0	22,0	19,0	12,0	22,0
1204260	1243738	-1008	10	1/2-14	28,0	13,0	20,0	27,0	19,0	14,0	26,0
1205549	1243739	-1204	12	1/4-19	27,0	12,0	19,0	19,0	22,0	12,0	18,0
1204268	1243740	-1206	12	3/8-19	27,0	12,5	19,5	22,0	22,0	12,0	22,0
1204267	1241073	-1208	12	1/2-14	28,0	13,0	20,0	27,0	22,0	14,0	26,0
1204271	1243741	-1506	15	3/8-19	29,0	13,5	20,5	24,0	27,0	12,0	22,0
1204270	1242250	-1508	15	1/2-14	29,0	14,0	21,0	27,0	27,0	14,0	26,0
1205741	1243742	-1808	18	1/2-14	31,0	14,5	22,0	27,0	32,0	14,0	26,0
1205742	1243743	-1812	18	3/4-14	30,0	14,5	22,0	32,0	32,0	16,0	32,0
1205743	1243744	-2212	22	3/4-14	33,0	16,5	24,0	32,0	36,0	16,0	32,0
1205744	1243745	-2816	28	1-11	34,0	17,5	25,0	41,0	41,0	18,0	39,0
1205481	1243746	-3520	35	1 1/4-11	39,0	17,5	28,0	50,0	50,0	20,0	49,0
1206911	1243747	-4224	42	1 1/2-11	42,0	19,0	30,0	55,0	60,0	22,0	55,0

// R1A12M106M

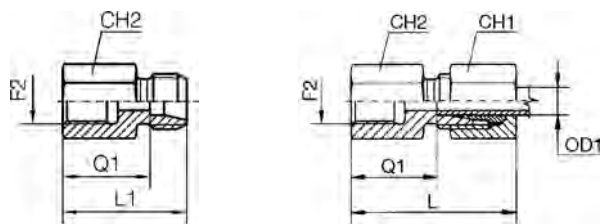
**Straight connector DIN 24° Male  
- BSPP cylindric flat Male - Heavy  
series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1 mm	F1	Q1 mm	Q2 mm	Q3 mm	CH mm	CH1 mm	LT mm	G mm
		mm									
1206096	1244076	-0604	6	1/4-19	28,0	13,0	20,0	19,0	17,0	12,0	18,0
1205745	1244077	-0804	8	1/4-19	30,0	15,0	22,0	19,0	19,0	12,0	18,0
1205582	1244078	-1006	10	3/8-19	31,0	15,0	22,5	22,0	22,0	12,0	22,0
1205746	1244079	-1206	12	3/8-19	33,0	17,0	24,5	22,0	24,0	12,0	22,0
1206014	1244080	-1208	12	1/2-14	34,0	17,5	25,0	27,0	24,0	14,0	26,0
1205748	1244081	-1408	14	1/2-14	37,0	19,0	27,0	27,0	27,0	14,0	26,0
1205750	1244082	-1608	16	1/2-14	37,0	18,5	27,0	27,0	30,0	14,0	26,0
1205884	1244083	-1612	16	3/4-14	39,0	20,5	29,0	32,0	30,0	16,0	32,0
1205751	1244084	-2012	20	3/4-14	42,0	20,5	31,0	32,0	36,0	16,0	32,0
1205752	1244085	-2516	25	1-11	47,0	23,0	35,0	41,0	46,0	18,0	39,0
1205753	1244086	-3020	30	1 1/4-11	50,0	23,5	37,0	50,0	50,0	20,0	49,0
1205754	1244087	-3824	38	1 1/2-11	57,0	26,0	42,0	55,0	60,0	22,0	55,0

**// R1A11M106F**

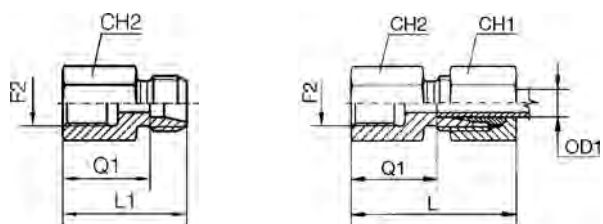
**Straight connector DIN 24° Male -  
BSPP cylindric Female - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F2	Q1	CH	CH1	L	L1
		mm/Dash							
1206267	1240579	-0602	6	1/8-28	19,0	14,0	14,0	34,0	26,0
1205799	1241529	-0804	8	1/4-19	24,0	17,0	19,0	39,0	31,0
1206996	1243718	-0806	8	3/8-19	25,0	17,0	24,0	40,0	32,5
1205800	1240804	-1004	10	1/4-19	25,0	19,0	19,0	40,0	32,0
1205801	1243719	-1206	12	3/8-19	26,0	22,0	24,0	41,0	33,0
1205802	1242104	-1508	15	1/2-14	31,0	27,0	27,0	46,0	38,0
1205803	1243720	-1808	18	1/2-14	30,5	32,0	27,0	47,0	38,0
1205547	1243721	-2212	22	3/4-14	35,5	36,0	36,0	52,0	43,0
1205804	1243722	-2816	28	1-11	38,0	41,0	41,0	55,0	45,5
1206998	1243723	-3520	35	1 1/4-11	41,0	50,0	55,0	63,0	51,5
1208155	1243724	-4224	42	1 1/2-11	42,5	60,0	60,0	65,0	53,5

**// R1A12M106F**

**Straight connector DIN 24° Male -  
BSPP cylindric Female - Heavy series**



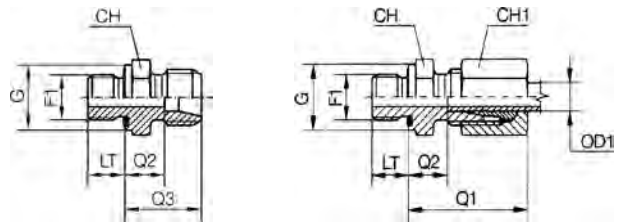
Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F2	Q1	CH	CH1	L	L1
		mm/Dash							
1206364	1244057	-0604	6	1/4-19	26,0	17,0	19,0	41,0	33,0
1205805	1244058	-0804	8	1/4-19	26,0	19,0	19,0	41,0	33,0
1206365	1244059	-1206	12	3/8-19	26,5	24,0	24,0	43,0	34,0
1205806	1244060	-1408	14	1/2-14	32,0	27,0	30,0	50,0	40,0
1205807	1244061	-1608	16	1/2-14	31,5	30,0	30,0	50,0	40,0
1206268	1244062	-2012	20	3/4-14	34,5	36,0	36,0	56,0	45,0
1205808	1244063	-2516	25	1-11	37,5	46,0	41,0	62,0	49,5
1207021	1244064	-3020	30	1 1/4-11	42,0	50,0	55,0	69,0	55,5
1207143	1244065	-3824	38	1 1/2-11	43,5	60,0	60,0	74,0	59,5



Dimensions shown may be changed without prior notice

**// R1A11M106I**

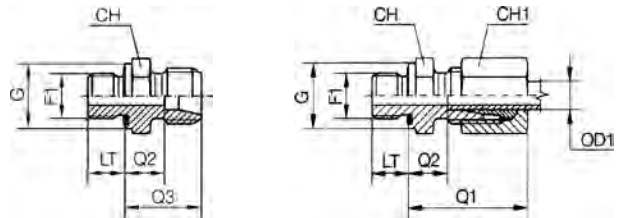
**Straight connector DIN 24° Male -  
BSPP cylindric Male with elastomer  
- Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1 mm	F1	Q1 mm	Q2 mm	Q3 mm	CH mm	CH1 mm	LT mm	G mm
		mm									
1206131	1242311	-0602	6	1/8-28	23,0	8,5	15,5	14,0	14,0	8,0	14,0
1205490	1241082	-0804	8	1/4-19	25,0	10,0	17,0	19,0	17,0	12,0	19,0
1205760	1243725	-1004	10	1/4-19	26,0	11,0	18,0	19,0	19,0	12,0	19,0
1205488	1241083	-1206	12	3/8-19	27,0	12,5	19,5	22,0	22,0	12,0	22,0
1205489	1241085	-1508	15	1/2-14	29,0	14,0	21,0	27,0	27,0	14,0	27,0
1206040	1243726	-1808	18	1/2-14	31,0	14,5	22,0	27,0	32,0	14,0	27,0
1205761	1243727	-2212	22	3/4-14	33,0	16,5	24,0	32,0	36,0	16,0	32,0
1206056	1243728	-2816	28	1-11	34,0	17,5	25,0	41,0	41,0	18,0	40,0
1206283	1243729	-3520	35	1 1/4-11	39,0	17,5	28,0	50,0	50,0	20,0	50,0
1206039	1243730	-4224	42	1 1/2-11	42,0	19,0	30,0	55,0	60,0	22,0	55,0

**// R1A12M106I**

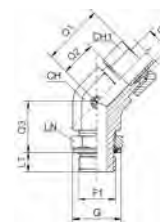
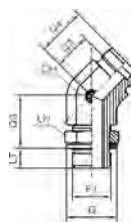
**Straight connector DIN 24° Male -  
BSPP cylindric Male with elastomer  
- Heavy series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1 mm	F1	Q1 mm	Q2 mm	Q3 mm	CH mm	CH1 mm	LT mm	G mm
		mm									
1206133	1244066	-0604	6	1/4-19	28,0	13,0	20,0	19,0	17,0	12,0	19,0
1206049	1244067	-0804	8	1/4-19	30,0	15,0	22,0	19,0	19,0	12,0	19,0
1206134	1244068	-1006	10	3/8-19	31,0	15,0	22,5	22,0	22,0	12,0	22,0
1205901	1244069	-1206	12	3/8-19	33,0	17,0	24,5	22,0	24,0	12,0	22,0
1205762	1244070	-1408	14	1/2-14	37,0	19,0	27,0	27,0	27,0	14,0	27,0
1205763	1244071	-1608	16	1/2-14	37,0	18,5	27,0	27,0	30,0	14,0	27,0
1205764	1244072	-2012	20	3/4-14	42,0	20,5	31,0	32,0	36,0	16,0	32,0
1206047	1244073	-2516	25	1-11	47,0	23,0	35,0	41,0	46,0	18,0	40,0
1206416	1244074	-3020	30	1 1/4-11	50,0	23,5	37,0	50,0	50,0	20,0	50,0
1207842	1244075	-3820	38	1 1/4-11	57,0	26,0	42,0	55,0	60,0	20,0	50,0

**// R1A11M406N**

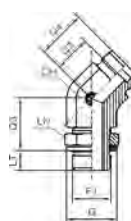
**45° adjustable elbow connector DIN 24° Male - BSPP cylindric Male with O-Ring and retaining ring - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
		mm/Dash											
1237030	1244929	-0602	6	1/8-28	24,5	9,5	21,7	16,5	14,0	14,0	14,0	6,3	16,0
1237031	1244930	-0804	8	1/4-19	27,0	12,0	19,5	19,0	14,0	17,0	19,0	9,5	20,5
1237032	1244931	-1004	10	1/4-19	27,0	12,0	24,5	19,0	19,0	19,0	19,0	9,5	20,5
1237033	1244932	-1206	12	3/8-19	29,0	14,0	27,5	21,0	19,0	22,0	22,0	9,5	24,0
1237034	1244933	-1508	15	1/2-14	32,0	17,0	26,0	24,0	22,0	27,0	27,0	13,0	29,0
1237035	1244934	-1808	18	1/2-14	33,0	17,0	32,0	24,5	27,0	32,0	27,0	13,0	29,0
1237036	1244935	-2212	22	3/4-14	35,5	19,5	37,5	27,0	33,0	36,0	36,0	13,0	35,0
1231360	1244936	-2816	28	1-11	39,0	23,0	36,0	30,5	41,0	41,0	41,0	16,0	44,5
1237038	1244937	-3520	35	1 1/4-11	48,0	27,0	38,0	37,5	48,0	50,0	50,0	16,0	53,0
1237039	1244938	-4224	42	1 1/2-11	49,0	26,0	38,0	37,0	48,0	60,0	55,0	16,0	58,5

**// R1A12M406N**

**45° adjustable elbow connector DIN 24° Male - BSPP cylindric Male with O-Ring and retaining ring - Heavy series**

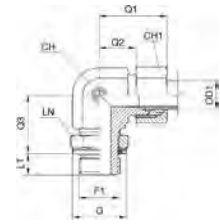
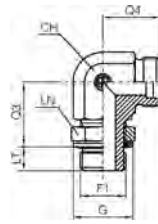


Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
		mm/Dash											
1237054	1244999	-0604	6	1/4-19	26,0	11,0	18,5	18,5	14,0	17,0	19,0	9,5	20,5
1237055	1245000	-0804	8	1/4-19	28,0	13,0	22,5	20,5	19,0	19,0	19,0	9,5	20,5
1237056	1245001	-1006	10	3/8-19	29,0	13,0	24,5	20,5	19,0	22,0	22,0	9,5	24,0
1237057	1245002	-1206	12	3/8-19	33,0	17,0	24,5	24,5	22,0	24,0	22,0	9,5	24,0
1237058	1245003	-1608	16	1/2-14	34,0	16,0	31,0	24,5	27,0	30,0	27,0	13,0	29,0
1237059	1245004	-2012	20	3/4-14	40,0	19,0	33,0	29,5	33,0	36,0	36,0	13,0	35,0
1237060	1245005	-2516	25	1-11	46,0	22,0	35,0	34,0	41,0	46,0	41,0	16,0	44,5
1237061	1245006	-3020	30	1 1/4-11	50,0	24,0	37,0	37,5	48,0	50,0	50,0	16,0	53,0
1237062	1245007	-3824	38	1 1/2-11	55,0	24,0	37,0	40,0	48,0	60,0	55,0	16,0	58,5

Dimensions shown may be changed without prior notice

**// R1A11M906N**

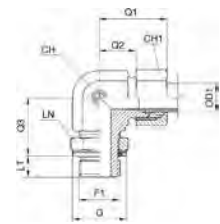
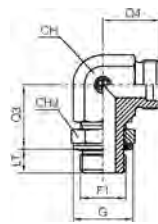
**90° adjustable elbow connector DIN 24° Male - BSPP cylindric Male with O-Ring and retaining ring - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
		mm / Dash											
1211135	1243847	-0602	6	1/8-28	29,0	14,0	20,2	21,0	14,0	14,0	14,0	6,3	16,0
1208110	1243848	-0804	8	1/4-19	31,0	16,0	22,5	23,0	14,0	17,0	19,0	9,5	20,5
1208111	1243849	-1004	10	1/4-19	32,0	17,0	24,5	24,0	19,0	19,0	19,0	9,5	20,5
1239726	1243850	-1206	12	3/8-19	34,0	19,0	27,5	26,0	19,0	22,0	22,0	9,5	24,0
1208113	1243851	-1508	15	1/2-14	36,0	21,0	30,0	28,0	22,0	27,0	27,0	13,0	29,0
1210735	1243852	-1808	18	1/2-14	40,0	24,0	36,5	31,5	27,0	32,0	27,0	13,0	29,0
1206896	1243853	-2212	22	3/4-14	44,0	28,0	37,5	35,5	33,0	36,0	36,0	13,0	35,0
1208114	1243854	-2816	28	1-11	47,0	31,0	41,0	38,5	41,0	41,0	41,0	16,0	44,5
1211136	1243855	-3520	35	1 1/4-11	59,0	38,0	49,0	48,5	48,0	50,0	50,0	16,0	53,0
1208116	1243856	-4224	42	1 1/2-11	61,0	38,0	51,0	49,0	48,0	60,0	55,0	16,0	58,5

**// R1A12M906N**

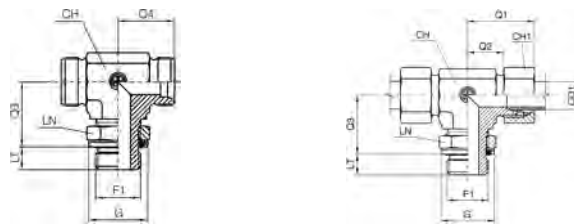
**90° adjustable elbow connector DIN 24° Male - BSPP cylindric Male with O-Ring and retaining ring - Heavy series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
		mm / Dash											
1211298	1244205	-0604	6	1/4-19	30,5	15,5	22,5	22,5	14,0	17,0	19,0	9,5	20,5
1208092	1244206	-0804	8	1/4-19	33,0	18,0	26,5	25,0	19,0	19,0	19,0	9,5	20,5
1208093	1244207	-1006	10	3/8-19	34,0	18,0	28,5	25,5	19,0	22,0	22,0	9,5	24,0
1208094	1244208	-1206	12	3/8-19	38,0	22,0	28,5	29,5	22,0	24,0	22,0	9,5	24,0
1208095	1244209	-1608	16	1/2-14	43,0	25,0	36,0	33,5	27,0	30,0	27,0	13,0	29,0
1208096	1244210	-2012	20	3/4-14	49,0	28,0	38,0	38,5	33,0	36,0	36,0	13,0	35,0
1208097	1244211	-2516	25	1-11	54,5	30,5	41,0	42,5	41,0	46,0	41,0	16,0	44,5
1211299	1244212	-3020	30	1 1/4-11	62,0	36,0	48,0	49,5	48,0	50,0	50,0	16,0	53,0
1211300	1244213	-3824	38	1 1/2-11	65,0	34,0	53,0	50,0	48,0	60,0	55,0	16,0	58,5

**// R1A11MT06N**

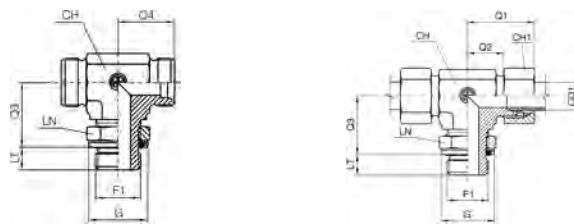
**Branch Tee adjustable elbow connector DIN 24° Male - BSPP Male with O-Ring and retaining ring - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
		mm / Dash											
1211050	1243964	-0602	6	M12X1.5	29,0	14,0	20,2	21,0	14,0	14,0	14,0	6,3	16,0
1211051	1243965	-0804	8	M14X1.5	31,0	16,0	22,5	23,0	14,0	17,0	19,0	9,5	20,5
1211052	1243966	-1004	10	M16X1.5	32,0	17,0	24,5	24,0	19,0	19,0	19,0	9,5	20,5
1211053	1243967	-1206	12	M18X1.5	34,0	19,0	27,5	26,0	19,0	22,0	22,0	9,5	24,0
1237042	1243968	-1508	15	M22X1.5	36,0	21,0	30,0	28,0	22,0	27,0	27,0	13,0	29,0
1211055	1243969	-1808	18	M26X1.5	40,0	24,0	36,5	31,5	27,0	32,0	27,0	13,0	29,0
1211056	1243970	-2212	22	M30X2	44,0	28,0	37,5	35,5	33,0	36,0	36,0	13,0	35,0
1231369	1243971	-2816	28	M36X2	47,0	31,0	41,0	38,5	41,0	41,0	41,0	16,0	44,5
1208182	1243972	-3520	35	M45X2	59,0	38,0	49,0	48,5	48,0	50,0	50,0	16,0	53,0
1211058	1243973	-4224	42	M52X2	61,0	38,0	51,0	49,0	48,0	60,0	55,0	16,0	58,5

**// R1A12MT06N**

**Branch Tee adjustable elbow connector DIN 24° Male - BSPP Male with O-Ring and retaining ring - Heavy series**

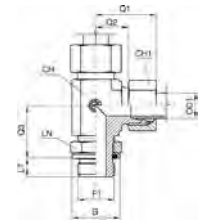
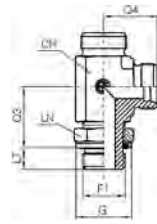


Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
		mm / Dash											
1211236	1244331	-0604	6	M14X1.5	30,5	15,5	22,5	22,5	14,0	17,0	19,0	9,5	20,5
1231381	1244332	-0804	8	M16X1.5	33,0	18,0	26,5	25,0	19,0	19,0	19,0	9,5	20,5
1211238	1244333	-1006	10	M18X1.5	34,0	18,0	28,5	25,5	19,0	22,0	22,0	9,5	24,0
1211239	1244334	-1206	12	M20X1.5	38,0	22,0	28,5	29,5	22,0	24,0	22,0	9,5	24,0
1211240	1244335	-1608	16	M24X1.5	43,0	25,0	36,0	33,5	27,0	30,0	27,0	13,0	29,0
1211241	1244336	-2012	20	M30X2	49,0	28,0	38,0	38,5	33,0	36,0	36,0	13,0	35,0
1211242	1244337	-2516	25	M36X2	54,5	30,5	41,0	42,5	41,0	46,0	41,0	16,0	44,5
1211243	1244338	-3020	30	M42X2	62,0	36,0	48,0	49,5	48,0	50,0	50,0	16,0	53,0
1211244	1244339	-3824	38	M52X2	65,0	34,0	53,0	50,0	48,0	60,0	55,0	16,0	58,5

Dimensions shown may be changed without prior notice

**// R1A11ML06N**

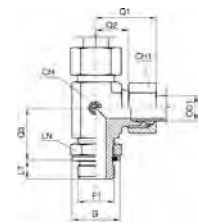
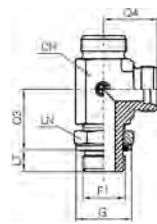
**Run Tee adjustable elbow connector  
DIN 24° Male - BSPP Male with  
O-Ring and retaining ring - Light  
series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
		mm / Dash											
1211019	1243929	-0602	6	1/8-28	29,0	14,0	20,2	21,0	14,0	14,0	14,0	6,3	16,0
1210734	1243930	-0804	8	1/4-19	31,0	16,0	22,5	23,0	14,0	17,0	19,0	9,5	20,5
1211020	1243931	-1004	10	1/4-19	32,0	17,0	24,5	24,0	19,0	19,0	19,0	9,5	20,5
1211021	1243932	-1206	12	3/8-19	34,0	19,0	27,5	26,0	19,0	22,0	22,0	9,5	24,0
1211022	1243933	-1508	15	1/2-14	36,0	21,0	30,0	28,0	22,0	27,0	27,0	13,0	29,0
1211023	1243934	-1808	18	1/2-14	40,0	24,0	36,5	31,5	27,0	32,0	27,0	13,0	29,0
1231368	1243935	-2212	22	3/4-14	44,0	28,0	37,5	35,5	33,0	36,0	36,0	13,0	35,0
1211025	1243936	-2816	28	1-11	47,0	31,0	41,0	38,5	41,0	41,0	41,0	16,0	44,5
1211026	1243937	-3520	35	1 1/4-11	59,0	38,0	49,0	48,5	48,0	50,0	50,0	16,0	53,0
1211027	1243938	-4224	42	1 1/2-11	61,0	38,0	51,0	49,0	48,0	60,0	55,0	16,0	58,5

**// R1A12ML06N**

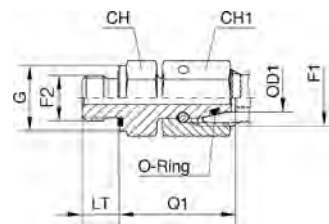
**Run Tee adjustable elbow connector  
DIN 24° Male - BSPP Male with  
O-Ring and retaining ring - Heavy  
series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
		mm / Dash											
1211207	1244293	-0604	6	1/4-19	30,5	15,5	22,5	22,5	14,0	17,0	19,0	9,5	20,5
1231380	1244294	-0804	8	1-11	33,0	18,0	26,5	25,0	19,0	19,0	19,0	9,5	20,5
1211209	1244295	-1006	10	3/8-19	34,0	18,0	28,5	25,5	19,0	22,0	22,0	9,5	24,0
1211210	1244296	-1206	12	3/8-19	38,0	22,0	28,5	29,5	22,0	24,0	22,0	9,5	24,0
1211211	1244297	-1608	16	1/2-14	43,0	25,0	36,0	33,5	27,0	30,0	27,0	13,0	29,0
1211212	1244298	-2012	20	3/4-14	49,0	28,0	38,0	38,5	33,0	36,0	36,0	13,0	35,0
1211213	1244299	-2516	25	1-11	54,5	30,5	41,0	42,5	41,0	46,0	41,0	16,0	44,5
1211214	1244300	-3020	30	1 1/4-11	62,0	36,0	48,0	49,5	48,0	50,0	50,0	16,0	53,0
1211215	1244301	-3824	38	1 1/2-11	65,0	34,0	53,0	50,0	48,0	60,0	55,0	16,0	58,5

**// R1A152106I**

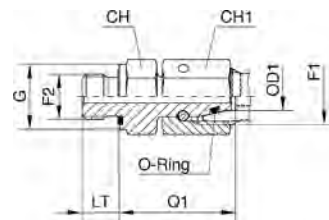
**Straight connector DIN 24° Female with O-Ring - BSPP cylindric Male with elastomer - Light series**



Item Code	Head 1 / Head 2	OD1	F1	F2	Q1	LT	CH	CH1	G
	mm								
1211383	-0602	6	M12X1.5	1/8-28	24,5	8,0	14,0	14,0	14,0
1206931	-0804	8	M14X1.5	1/4-19	29,5	12,0	19,0	17,0	19,0
1206814	-1004	10	M16X1.5	1/4-19	27,5	12,0	19,0	19,0	19,0
1206558	-1206	12	M18X1.5	3/8-19	34,0	12,0	22,0	22,0	22,0
1208084	-1508	15	M22X1.5	1/2-14	32,0	14,0	27,0	27,0	27,0
1208044	-1808	18	M26X1.5	1/2-14	31,5	14,0	27,0	32,0	27,0
1208085	-2212	22	M30X2	3/4-14	32,5	16,0	32,0	36,0	32,0
1211384	-2816	28	M36X2	1-11	35,0	18,0	41,0	41,0	40,0
1211385	-3520	35	M45X2	1 1/4-11	42,5	20,0	50,0	50,0	50,0
1211386	-4224	42	M52X2	1 1/2-11	46,5	22,0	55,0	60,0	55,0

**// R1A162106I**

**Straight connector DIN 24° Female with O-Ring - BSPP cylindric Male with elastomer - Heavy series**

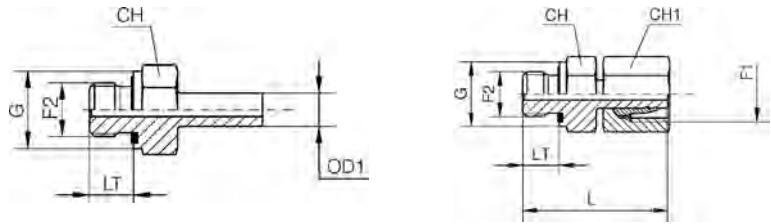


Item Code	Head 1 / Head 2	OD1	F1	F2	Q1	LT	CH	CH1	G
	mm								
1211448	-0604	6	M14X1.5	1/4-19	27,0	12,0	19,0	17,0	19,0
1206834	-0804	8	M16X1.5	1/4-19	29,5	12,0	19,0	19,0	19,0
1208168	-1006	10	M18X1.5	3/8-19	32,0	12,0	22,0	22,0	22,0
1208169	-1206	12	M20X1.5	3/8-19	34,0	12,0	22,0	24,0	22,0
1208170	-1408	14	M22X1.5	1/2-14	36,5	14,0	27,0	27,0	27,0
1206561	-1608	16	M24X1.5	1/2-14	37,0	14,0	27,0	30,0	27,0
1207555	-2012	20	M30X2	3/4-14	43,0	16,0	32,0	36,0	32,0
1207131	-2516	25	M36X2	1-11	48,0	18,0	41,0	46,0	40,0
1207544	-3020	30	M42X2	1 1/4-11	51,0	20,0	50,0	50,0	50,0
1211449	-3824	38	M52X2	1 1/2-11	60,0	22,0	55,0	60,0	55,0

Dimensions shown may be changed without prior notice

**// R1A113106I**

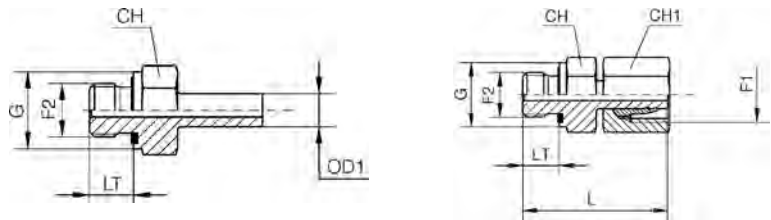
**Straight connector DIN 24° Female pre-assembled - BSPP cylindric Male with elastomer - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1 mm	F1	F2	LT mm	CH mm	CH1 mm	G mm	L mm
		mm								
1206303	1243688	-0602	6	M12X1.5	1/8-28	8,0	14,0	14,0	14,0	32,5
1205583	1243689	-0804	8	M14X1.5	1/4-19	12,0	19,0	17,0	19,0	41,5
1205573	1243690	-1004	10	M16X1.5	1/4-19	12,0	19,0	19,0	19,0	39,5
1205553	1243691	-1206	12	M18X1.5	3/8-19	12,0	22,0	22,0	22,0	46,0
1205554	1243692	-1508	15	M22X1.5	1/2-14	14,0	27,0	27,0	27,0	46,0
1205766	1243693	-1808	18	M26X1.5	1/2-14	14,0	27,0	32,0	27,0	45,5
1205555	1243694	-2212	22	M30X2	3/4-14	16,0	32,0	36,0	32,0	48,5
1206073	1243695	-2816	28	M36X2	1-11	18,0	41,0	41,0	40,0	53,0
1206000	1243696	-3520	35	M45X2	1 1/4-11	20,0	50,0	50,0	50,0	62,5
1206492	1243697	-4224	42	M52X2	1 1/2-11	22,0	55,0	60,0	55,0	68,5

**// R1A123106I**

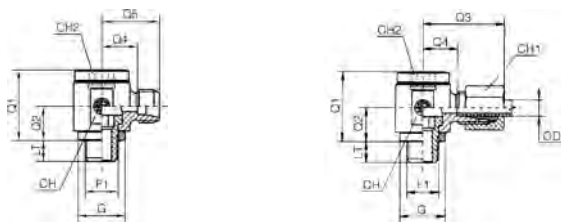
**Straight connector DIN 24° Female pre-assembled - BSPP cylindric Male with elastomer - Heavy series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1 mm	F1	F2	LT mm	CH mm	CH1 mm	G mm	L mm
		mm								
1206485	1244027	-0604	6	M14X1.5	1/4-19	12,0	19,0	17,0	19,0	39,0
1206035	1244028	-0804	8	M16X1.5	1/4-19	12,0	19,0	19,0	19,0	41,5
1206487	1244029	-1006	10	M18X1.5	3/8-19	12,0	22,0	22,0	22,0	44,5
1206034	1244030	-1206	12	M20X1.5	3/8-19	12,0	22,0	24,0	22,0	46,0
1206033	1244031	-1408	14	M22X1.5	1/2-14	14,0	27,0	27,0	27,0	51,0
1206032	1244032	-1608	16	M24X1.5	1/2-14	14,0	27,0	30,0	27,0	50,5
1206031	1244033	-2012	20	M30X2	3/4-14	16,0	32,0	36,0	32,0	59,0
1206030	1244034	-2516	25	M36X2	1-11	18,0	41,0	46,0	40,0	66,0
1206490	1244035	-3020	30	M42X2	1 1/4-11	20,0	50,0	50,0	50,0	71,0
1206491	1244036	-3824	38	M52X2	1 1/2-11	22,0	55,0	60,0	55,0	82,0

**// R1A11ME06M**

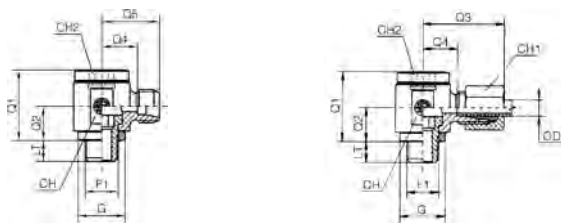
**Banjo elbow - Type B - BSPP Male  
DIN 24° - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	CH2	G
		mm												
1207054	1243904	-0602	6	1/8-28	24,0	12,0	27,0	12,5	19,5	8,0	19,0	14,0	6,0	14,0
1206158	1243905	-0804	8	1/4-19	30,0	16,0	29,0	14,5	21,5	12,0	22,0	17,0	8,0	18,0
1243686	1243906	-1004	8	1/4-19	30,0	16,0	30,0	15,5	23,0	12,0	22,0	19,0	8,0	18,0
1206160	1243907	-1206	12	3/8-19	37,0	18,0	33,0	18,0	25,5	12,0	27,0	22,0	10,0	22,0
1206277	1243908	-1508	15	1/2-14	42,0	21,0	37,0	22,0	29,0	14,0	32,0	27,0	12,0	26,0
1211007	1243909	-1808	18	1/2-14	46,0	23,0	38,0	21,5	29,0	14,0	36,0	32,0	12,0	26,0
1211008	1243910	-2212	22	3/4-14	58,0	28,0	45,0	28,5	36,0	16,0	46,0	36,0	17,0	32,0
1208107	1243911	-2816	28	1-11	64,0	32,0	48,0	31,5	39,0	18,0	50,0	41,0	22,0	39,0
1206161	1243912	-3520	35	1 1/4-11	76,0	37,0	57,0	35,5	46,0	20,0	60,0	50,0	27,0	49,0
1211009	1243913	-4224	42	1 1/2-11	85,0	42,0	63,0	40,0	52,5	22,0	70,0	60,0	32,0	55,0

**// R1A12ME06M**

**Banjo elbow - Type B - BSPP Male  
DIN 24° - Heavy series**



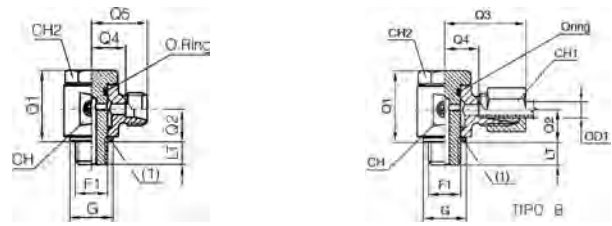
Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	CH2	G
		mm												
1206114	1244268	-0604	6	1/4-19	30,0	16,0	31,0	16,5	23,5	12,0	22,0	17,0	8,0	18,0
1206115	1244269	-0804	8	1/4-19	30,0	16,0	31,0	16,5	23,5	12,0	22,0	19,0	8,0	18,0
1206116	1244270	-1006	10	3/8-19	37,0	18,0	35,0	18,5	26,0	12,0	27,0	22,0	10,0	22,0
1206117	1244271	-1206	12	3/8-19	37,0	18,0	35,0	18,5	26,0	12,0	27,0	24,0	10,0	22,0
1207059	1244267	-1408	14	1/2-14	42,0	21,0	41,0	23,0	31,0	14,0	32,0	27,0	12,0	26,0
1244267	-	-1408	14	1/2-14	42,0	21,0	41,0	23,0	-	14,0	32,0	27,0	12,0	26,0
1211197	1244272	-2012	20	3/4-14	58,0	28,0	49,0	27,5	38,0	16,0	46,0	36,0	17,0	32,0
1211198	1244273	-2516	25	1-11	64,0	32,0	55,0	31,0	43,0	18,0	50,0	46,0	22,0	39,0
1211199	1244274	-3020	30	1 1/4-11	76,0	37,0	63,0	36,5	50,0	20,0	60,0	50,0	27,0	49,0
1208220	1244275	-3824	38	1 1/2-11	85,0	42,0	72,0	41,0	58,5	22,0	70,0	60,0	32,0	55,0



Dimensions shown may be changed without prior notice

**// R1A11ME035**

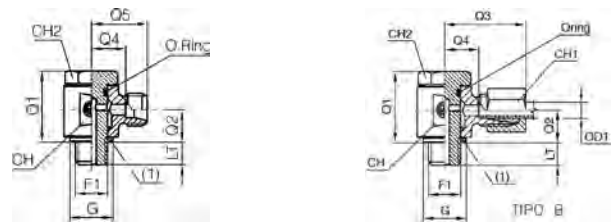
**Banjo elbow - Type A - BSPP Male  
DIN 24° - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	CH2	G
		mm												
1206576	1243897	-0602	6	1/8-28	27,0	12,5	29,0	13,0	20,0	8,0	19,0	14,0	17,0	15,0
1206148	1243898	-0804	8	1/4-19	30,5	15,0	30,5	14,5	21,5	12,0	22,0	17,0	19,0	18,0
1206149	1243899	-1004	10	1/4-19	30,5	15,0	32,0	15,5	22,5	12,0	22,0	19,0	19,0	18,0
1206150	1243900	-1206	12	3/8-19	38,5	19,0	36,0	19,5	26,5	12,0	30,0	22,0	24,0	22,0
1206530	1243901	-1508	15	1/2-14	48,0	23,0	39,0	22,5	29,5	14,0	36,0	27,0	27,0	26,0
1206531	1243902	-1808	18	1/2-14	48,0	23,0	40,0	22,0	29,5	14,0	36,0	32,0	27,0	26,0
1207006	1243903	-2212	22	1/8-28	56,0	26,0	47,0	28,0	35,5	16,0	41,0	36,0	32,0	32,0

**// R1A12ME035**

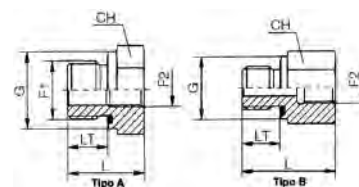
**Banjo elbow - Type A - BSPP Male  
DIN 24° - Heavy series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	CH2	G
		mm												
1206098	1244261	-0604	6	1/4-19	30,5	15,0	33,0	16,5	23,5	12,0	22,0	17,0	19,0	18,0
1207025	1244262	-0804	8	1/4-19	30,5	15,0	32,5	16,5	23,5	12,0	22,0	19,0	19,0	18,0
1206532	1241550	-1006	10	3/8-19	38,5	19,0	38,0	20,0	27,5	12,0	30,0	22,0	24,0	22,0
1206151	1244263	-1206	12	3/8-19	38,5	19,0	38,0	20,0	27,5	12,0	30,0	24,0	24,0	22,0
1206582	1244264	-1408	14	1/2-14	48,0	23,0	42,5	23,5	31,5	14,0	36,0	27,0	27,0	26,0
1206533	1244265	-1608	16	1/2-14	48,0	23,0	43,0	23,0	31,5	14,0	36,0	30,0	27,0	26,0
1206583	1244266	-2012	20	3/4-14	56,0	26,0	51,5	27,0	37,5	16,0	41,0	36,0	32,0	32,0

**// R1A06F106I**

**Straight connector BSPP Female - BSPP Male with elastomer**



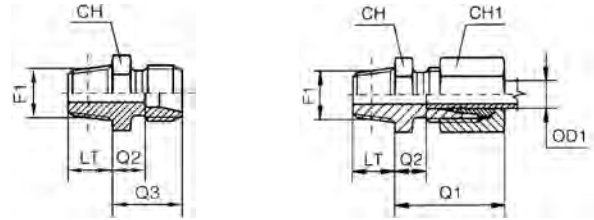
Item Code	Head 1 / Head 2	F2	CH	L	LT	G	Type
	Dash		mm	mm	mm	mm	
1206431	-0204	1/4-19	19,0	31,0	8,0	14,0	B
1206511	-0206	3/8-19	24,0	32,0	8,0	14,0	B
1206510	-0402	1/8-28	19,0	29,0	12,0	19,0	B
1206432	-0406	3/8-19	24,0	36,0	12,0	19,0	B
1206016	-0408	1/2-14	30,0	40,0	12,0	19,0	B
1206512	-0412	3/4-14	36,0	43,0	12,0	19,0	B
1206509	-0602	1/8-28	22,0	22,5	12,0	22,0	A
1206508	-0604	1/4-19	22,0	36,0	12,0	22,0	B
1206513	-0608	1/2-14	30,0	41,0	12,0	22,0	B
1206514	-0612	3/4-14	36,0	44,0	12,0	22,0	B
1207863	-0802	1/8-28	27,0	24,0	14,0	27,0	A
1206507	-0804	1/4-19	27,0	24,0	14,0	27,0	A
1206506	-0806	3/8-19	27,0	37,0	14,0	27,0	B
1206515	-0812	3/4-14	36,0	46,0	14,0	27,0	B
1206420	-0816	1-11	41,0	49,0	14,0	27,0	B
1206516	-0820	1 1/4-11	55,0	53,0	14,0	27,0	B
1206505	-1204	1/4-19	32,0	26,0	16,0	32,0	A
1206504	-1206	3/8-19	32,0	26,0	16,0	32,0	A
1206419	-1208	1/2-14	32,0	43,0	16,0	32,0	B
1206418	-1216	1-11	41,0	51,0	16,0	32,0	B
1206422	-1220	1 1/4-11	55,0	55,0	16,0	32,0	B
1206421	-1224	1 1/2-11	60,0	57,0	16,0	32,0	B
1206503	-1604	1/4-19	41,0	29,0	18,0	40,0	A
1206502	-1606	3/8-19	41,0	29,0	18,0	40,0	A
1206501	-1608	1/2-14	41,0	29,0	18,0	40,0	A
1206500	-1612	3/4-14	41,0	49,0	18,0	40,0	B
1206517	-1620	1 1/4-11	55,0	57,0	18,0	40,0	B
1206518	-1624	1 1/2-11	60,0	59,0	18,0	40,0	B
1206499	-2008	1/2-14	50,0	32,0	20,0	50,0	A
1206497	-2012	3/4-14	50,0	32,0	20,0	50,0	A
1206465	-2016	1-11	50,0	53,0	20,0	50,0	B
1206519	-2024	1 1/2-11	60,0	60,0	20,0	50,0	B
1206496	-2408	1/2-14	55,0	36,0	22,0	55,0	A
1206495	-2412	3/4-14	55,0	36,0	22,0	55,0	A
1206494	-2416	1-11	55,0	36,0	22,0	55,0	A
1206493	-2420	1 1/4-11	55,0	58,0	22,0	55,0	B

Dimensions shown may be changed without prior notice

## // BSPT

## // R1A11M107M

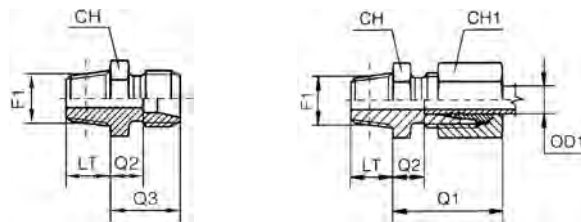
**Straight connector DIN 24° Male  
- BSPT cylindric flat Male - Light  
series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1 mm	F1	Q1 mm	Q2 mm	Q3 mm	CH mm	CH1 mm	LT mm
		mm								
1205767	1241561	-0602	6	1/8-28	23,0	7,0	14,0	12,0	14,0	10,0
1206219	1242147	-0604	6	1/4-19	24,0	8,0	15,0	17,0	14,0	13,0
1206606	1241564	-0802	8	1/8-28	25,0	8,0	15,0	14,0	17,0	10,0
1205584	1244913	-0804	8	1/4-19	25,0	8,0	15,0	17,0	17,0	13,0
1205587	1241960	-0806	8	3/8-19	26,0	9,0	16,0	19,0	17,0	13,0
1206221	1244914	-0808	8	1/2-14	26,0	9,0	16,0	22,0	17,0	16,0
1206454	1244915	-1002	10	1/8-28	26,0	9,0	16,0	17,0	19,0	10,0
1204289	1241526	-1004	10	1/4-19	26,0	9,0	16,0	17,0	19,0	13,0
1204290	1244916	-1006	10	3/8-19	27,0	10,0	17,0	19,0	19,0	13,0
1204288	1244917	-1008	10	1/2-14	27,0	10,0	17,0	22,0	19,0	16,0
1205482	1241566	-1204	12	1/4-19	27,0	10,0	17,0	19,0	22,0	13,0
1204293	1244918	-1206	12	3/8-19	27,0	10,0	17,0	19,0	22,0	13,0
1204292	1244919	-1208	12	1/2-14	27,0	10,0	17,0	22,0	22,0	16,0
1205768	1244920	-1506	15	3/8-19	29,0	11,0	18,0	24,0	27,0	13,0
1204296	1244921	-1508	15	1/2-14	29,0	11,0	18,0	24,0	27,0	16,0
1244867	1244922	-1806	18	3/8-19	31,0	11,5	19,0	27,0	32,0	13,0
1205769	1244923	-1808	18	1/2-14	31,0	11,5	19,0	27,0	32,0	16,0
1208156	1244924	-1812	18	3/4-14	32,0	11,5	19,0	32,0	32,0	18,0
1205770	1244925	-2212	22	3/4-14	33,0	13,5	21,0	32,0	36,0	18,0
1205771	1244926	-2816	28	1-11	34,0	14,5	22,0	41,0	41,0	20,0
1244868	1244927	-3516	35	1-11	39,0	14,5	25,0	46,0	50,0	20,0
1206046	1244928	-3520	35	1 1/4-11	39,0	14,5	25,0	46,0	50,0	21,0

**// R1A12M107M**

**Straight connector DIN 24° Male  
- BSPT cylindric flat Male - Heavy  
series**

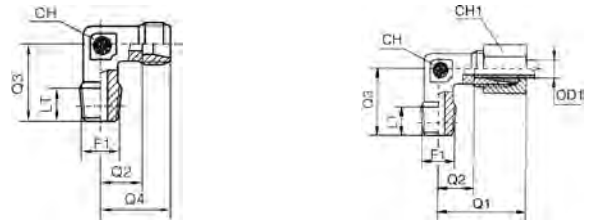


Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	F1	Q1	Q2	Q3	CH	CH1	LT
		mm								
1205772	1244989	-0604	6	1/4-19	28,0	12,0	19,0	17,0	17,0	13,0
1205773	1244990	-0804	8	1/4-19	30,0	13,0	20,0	17,0	19,0	13,0
1245379	1245384	-1004	10	1/4-19	31,0	12,5	20,0	19,0	22,0	13,0
1244891	1244991	-1006	10	3/8-19	31,0	12,5	20,0	19,0	22,0	13,0
1245380	1245385	-1204	12	1/4-19	33,0	14,5	22,0	22,0	24,0	13,0
1244892	1244992	-1206	12	3/8-19	33,0	14,5	22,0	22,0	24,0	13,0
1245381	1245386	-1208	12	1/2-14	33,0	14,5	22,0	22,0	24,0	16,0
1205776	1245388	-1406	14	3/8-19	37,0	16,0	24,0	24,0	27,0	13,0
1205894	1244993	-1408	14	1/2-14	37,0	16,0	24,0	24,0	27,0	16,0
1206082	1245389	-1606	16	3/8-19	37,0	17,5	26,0	27,0	30,0	13,0
1205777	1244994	-1608	16	1/2-14	37,0	17,5	26,0	27,0	30,0	16,0
1205778	1244995	-2012	20	3/4-14	42,0	17,5	28,0	32,0	36,0	18,0
1244893	1244996	-2516	25	1-11	47,0	18,0	30,0	41,0	46,0	20,0
1245382	1245390	-3016	30	1-11	50,0	19,5	33,0	46,0	50,0	20,0
1206916	1244997	-3020	30	1 1/4-11	50,0	19,5	33,0	46,0	50,0	21,0
1245383	1245391	-3820	38	1 1/4-11	57,0	22,0	38,0	55,0	60,0	21,0
1207841	1244998	-3824	38	1 1/2-11	57,0	22,0	38,0	55,0	60,0	22,0

Dimensions shown may be changed without prior notice

**// R1A11M907M**

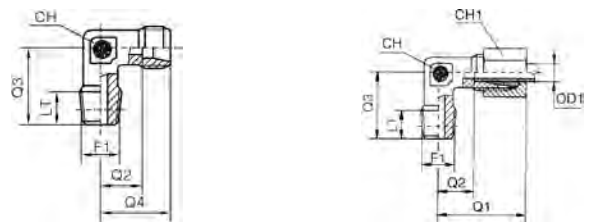
**90° connector DIN 24° Male - BSPT  
Male - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1 mm	F1	Q1 mm	Q2 mm	Q3 mm	Q4 mm	CH mm	CH1 mm	LT mm
		mm/Dash									
1205780	1244959	-0602	6	1/8-28	27,0	12,0	20,0	19,0	12,0	14,0	8,0
1204096	1241962	-0604	6	1/4-19	29,0	14,0	26,0	21,0	12,0	14,0	12,0
1206232	1244960	-0802	8	1/8-28	29,0	14,0	26,0	21,0	12,0	17,0	8,0
1205781	1243352	-0804	8	1/4-19	29,0	14,0	26,0	21,0	12,0	17,0	12,0
1204098	1241091	-0806	8	3/8-19	32,0	17,0	28,0	24,0	17,0	17,0	12,0
1205782	1242418	-1004	10	1/4-19	30,0	15,0	27,0	22,0	14,0	19,0	12,0
1204085	1244961	-1006	10	3/8-19	32,0	17,0	28,0	24,0	17,0	19,0	12,0
1206181	1244962	-1008	10	1/2-14	36,0	21,0	34,0	28,0	19,0	19,0	14,0
1205521	1241567	-1204	12	1/4-19	32,0	17,0	28,0	24,0	17,0	22,0	12,0
1204089	1241475	-1206	12	3/8-19	32,0	17,0	28,0	24,0	17,0	22,0	12,0
1204088	1244963	-1208	12	1/2-14	36,0	21,0	34,0	28,0	19,0	22,0	14,0
1205783	1244964	-1506	15	3/8-19	36,0	21,0	34,0	28,0	19,0	27,0	12,0
1204092	1244965	-1508	15	1/2-14	36,0	21,0	34,0	28,0	19,0	27,0	14,0
1205784	1241843	-1808	18	1/2-14	40,0	23,5	36,0	31,0	24,0	32,0	14,0
1205785	1244966	-2212	22	3/4-14	44,0	27,5	42,0	25,0	27,0	36,0	16,0
1206569	1244967	-2816	28	1-11	47,0	30,5	48,0	38,0	36,0	41,0	18,0
1244886	1244968	-3520	35	1 1/4-11	56,0	34,5	54,0	45,0	41,0	50,0	20,0
1244887	1244969	-4224	42	1 1/2-11	63,0	40,0	61,0	51,0	50,0	60,0	22,0

**// R1A12M907M**

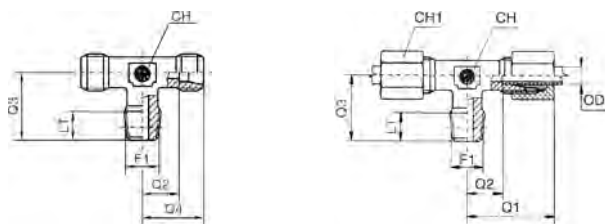
**90° connector DIN 24° Male - BSPT  
Male - Heavy series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1 mm	F1	Q1 mm	Q2 mm	Q3 mm	Q4 mm	CH mm	CH1 mm	LT mm
		mm/Dash									
1205786	1245026	-0604	6	1/4-19	31,0	16,0	26,0	23,0	12,0	17,0	12,0
1205787	1245027	-0804	8	1/4-19	32,0	17,0	27,0	24,0	14,0	19,0	12,0
1205788	1245028	-1006	10	3/8-19	34,0	17,5	28,0	25,0	17,0	22,0	12,0
1205789	1245029	-1206	12	3/8-19	38,0	21,5	31,0	29,0	17,0	24,0	12,0
1206792	1245030	-1208	12	1/2-14	39,0	22,5	32,0	30,0	19,0	24,0	14,0
1205791	1245031	-1408	14	1/2-14	40,0	22,0	32,0	30,0	19,0	27,0	14,0
1206722	1245032	-1606	16	3/8-19	43,0	24,5	32,0	33,0	24,0	30,0	12,0
1205792	1245033	-1608	16	1/2-14	43,0	24,5	32,0	33,0	24,0	30,0	14,0
1205793	1245034	-2012	20	3/4-14	48,0	26,5	42,0	37,0	27,0	36,0	16,0
1207845	1245035	-2516	25	1-11	54,0	30,0	48,0	42,0	36,0	46,0	18,0
1207846	1245036	-3020	30	1 1/4-11	62,0	35,5	54,0	49,0	41,0	50,0	20,0
1241128	1245037	-3824	38	1 1/2-11	72,0	41,0	61,0	57,0	50,0	60,0	22,0

**// R1A11MT07M**

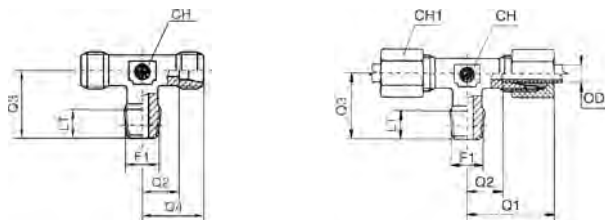
**Branch Tee connector DIN 24° Male - BSPT Male - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1 mm	F1	Q1 mm	Q2 mm	Q3 mm	Q4 mm	CH mm	CH1 mm	LT mm
		mm/Dash									
1206237	1244980	-0602	6	M12X1.5	27,0	12,0	20,0	19,0	12,0	14,0	8,0
1205794	1242713	-0804	8	M14X1.5	29,0	14,0	26,0	21,0	12,0	17,0	12,0
1205795	1244981	-1004	10	M16X1.5	30,0	15,0	27,0	22,0	14,0	19,0	12,0
1205796	1244982	-1206	12	M18X1.5	32,0	17,0	28,0	24,0	17,0	22,0	12,0
1206123	1244983	-1508	15	M22X1.5	36,0	21,0	34,0	28,0	19,0	27,0	14,0
1206124	1244985	-2212	22	M30X2	44,0	27,5	42,0	35,0	27,0	36,0	16,0
1207819	1244986	-2816	28	M36X2	47,0	30,5	48,0	38,0	36,0	41,0	18,0
1207820	1244987	-3520	35	M45X2	56,0	34,5	54,0	45,0	41,0	50,0	20,0
1207821	1244988	-4224	42	M52X2	63,0	40,0	61,0	51,0	50,0	60,0	22,0

**// R1A12MT07M**

**Branch Tee connector DIN 24° Male - BSPT Male - Heavy series**

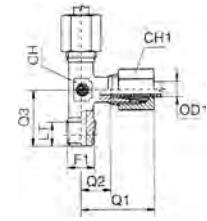
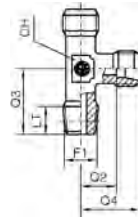


Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1 mm	F1	Q1 mm	Q2 mm	Q3 mm	Q4 mm	CH mm	CH1 mm	LT mm
		mm/Dash									
1207028	1245048	-0604	6	M14X1.5	31,0	16,0	26,0	23,0	12,0	17,0	12,0
1207029	1245049	-0804	8	M16X1.5	32,0	17,0	27,0	24,0	14,0	19,0	12,0
1207030	1245050	-1006	10	M18X1.5	34,0	17,5	28,0	25,0	17,0	22,0	12,0
1207031	1245051	-1206	12	M20X1.5	38,0	21,5	31,0	29,0	17,0	24,0	12,0
1207851	1245052	-1408	14	M22X1.5	40,0	22,0	32,0	30,0	19,0	27,0	14,0
1206239	1245053	-1608	16	M24X1.5	43,0	24,5	32,0	33,0	24,0	30,0	14,0
1245394	1245397	-2012	20	M30X2	48,0	26,5	42,0	37,0	27,0	36,0	16,0
1207852	1245054	-2516	25	M36X2	54,0	30,0	48,0	42,0	36,0	46,0	18,0
1245395	1245398	-3020	30	M42X2	62,0	35,5	54,0	49,0	41,0	50,0	20,0
-	1245399	-3824	38	M52X2	72,0	41,0	61,0	49,0	50,0	60,0	22,0

Dimensions shown may be changed without prior notice

**// R1A11ML07M**

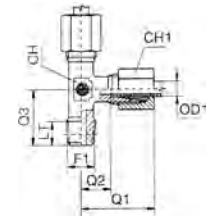
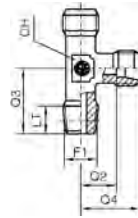
**Run Tee connector DIN 24° Male -  
BSPT Male - Light series**



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1 mm	F1	Q1 mm	Q2 mm	Q3 mm	Q4 mm	CH mm	CH1 mm	LT mm
		mm/Dash									
1211017	1244971	-0804	8	1/4-19	29,0	14,0	26,0	21,0	12,0	17,0	12,0
1206723	1244972	-1004	10	1/4-19	30,0	15,0	27,0	22,0	14,0	19,0	12,0
1206236	1244973	-1206	12	3/8-19	32,0	17,0	28,0	24,0	17,0	22,0	12,0
1206409	1244974	-1508	15	1/2-14	36,0	21,0	34,0	38,0	19,0	27,0	14,0
1244888	1244976	-2212	22	3/4-14	44,0	27,5	42,0	35,0	27,0	36,0	16,0
1244889	1244977	-2816	28	1-11	47,0	30,5	48,0	38,0	36,0	41,0	18,0
1207818	1244978	-3520	35	1 1/4-11	56,0	34,5	54,0	45,0	41,0	50,0	20,0
1244890	1244979	-4224	42	1 1/2-11	63,0	40,0	61,0	51,0	50,0	60,0	22,0

**// R1A12ML07M**

**Run Tee connector DIN 24° Male -  
BSPT Male - Heavy series**

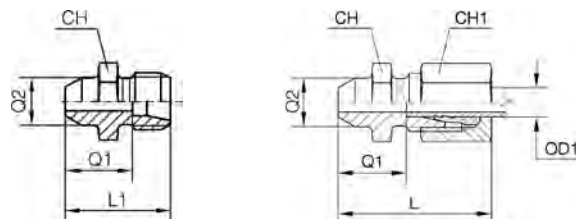


Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1 mm	F1	Q1 mm	Q2 mm	Q3 mm	Q4 mm	CH mm	CH1 mm	LT mm
		mm/Dash									
1211204	1245038	-0604	6	1/4-19	31,0	16,0	26,0	23,0	12,0	17,0	12,0
1211205	1245039	-0804	8	1/4-19	32,0	17,0	27,0	24,0	14,0	19,0	12,0
1207847	1245040	-1006	10	3/8-19	34,0	17,5	28,0	25,0	17,0	22,0	12,0
1207848	1245041	-1206	12	3/8-19	38,0	21,5	31,0	29,0	17,0	24,0	12,0
1211206	1245042	-1408	14	1/2-14	40,0	22,0	32,0	30,0	19,0	27,0	14,0
1207849	1245043	-1608	16	1/2-14	43,0	24,5	32,0	33,0	24,0	30,0	14,0
1207850	1245044	-2012	20	3/4-14	48,0	26,5	42,0	37,0	27,0	36,0	16,0
1244910	1245045	-2516	25	1-11	54,0	30,0	48,0	42,0	36,0	46,0	18,0
1244911	1245046	-3020	30	1 1/4-11	62,0	35,5	54,0	49,0	41,0	50,0	20,0
1244912	1245047	-3824	38	1 1/2-11	72,0	41,0	61,0	57,0	50,0	60,0	22,0

## // BUTT WELD

### // R1A11M100S

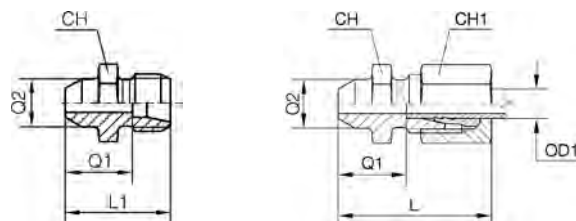
Butt Weld straight coupling DIN 24° - Light series



Item Code Body Only	Item Code Complete	Head mm	OD1 mm	Q1 mm	Q2 mm	CH mm	CH1 mm	L mm	L1 mm
1211088	1243708	-0600	6	14,0	10,0	12,0	14,0	29,0	21,0
1211089	1243709	-0800	8	16,0	12,0	14,0	17,0	31,0	23,0
1211090	1243710	-1000	10	18,0	14,0	17,0	19,0	33,0	25,0
1211091	1243711	-1200	12	18,0	16,0	19,0	22,0	33,0	25,0
1211092	1243712	-1500	15	22,0	19,0	22,0	27,0	37,0	29,0
1211093	1243713	-1800	18	23,5	22,0	27,0	32,0	40,0	31,0
1211094	1243714	-2200	22	28,5	27,0	32,0	36,0	45,0	36,0
1211095	1243715	-2800	28	30,5	32,0	41,0	41,0	47,0	38,0
1211096	1243716	-3500	35	32,5	40,0	46,0	50,0	54,0	43,0
1210752	1243717	-4200	42	35,0	46,0	55,0	60,0	58,0	46,0

### // R1A12M100S

Butt Weld straight coupling DIN 24° - Heavy series



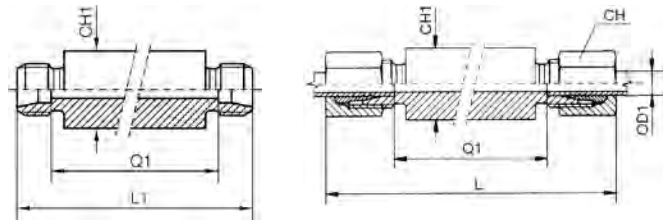
Item Code Body Only	Item Code Complete	Head mm	OD1 mm	Q1 mm	Q2 mm	CH mm	CH1 mm	L mm	L1 mm
1211265	1244047	-0600	6	19,0	11,0	14,0	17,0	34,0	26,0
1211266	1244048	-0800	8	21,0	13,0	17,0	19,0	36,0	28,0
1208074	1244049	-1000	10	22,5	15,0	19,0	22,0	39,0	30,0
1206144	1244050	-1200	12	24,5	17,0	22,0	24,0	41,0	32,0
1211267	1244051	-1400	14	27,0	19,0	24,0	27,0	45,0	35,0
1211268	1244052	-1600	16	26,5	21,0	27,0	30,0	45,0	35,0
1207100	1244053	-2000	20	29,5	26,0	32,0	36,0	51,0	40,0
1208075	1244054	-2500	25	32,0	31,0	41,0	46,0	56,0	44,0
1211269	1244055	-3000	30	35,5	36,0	46,0	50,0	62,0	49,0
1207132	1244056	-3800	38	38,0	44,0	55,0	60,0	69,0	54,0



Dimensions shown may be changed without prior notice

### // R1A11M111S

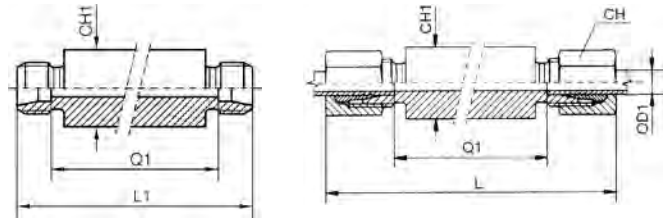
#### Butt Weld long straight coupling DIN 24° - Light series



Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	Q1	CH	CH1	L	L1
		mm						
1211098	1243787	-0606	6	56,0	14,0	18,0	85,0	70,0
1211099	1243788	-0808	8	56,0	17,0	20,0	85,0	70,0
1211100	1243789	-1010	10	58,0	19,0	22,0	87,0	72,0
1211101	1243790	-1212	12	58,0	22,0	25,0	87,0	72,0
1207460	1244547	-1515	15	70,0	27,0	28,0	100,0	84,0
1211102	1243791	-1818	18	69,0	32,0	32,0	101,0	84,0
1211103	1243792	-2222	22	73,0	36,0	36,0	105,0	88,0
1211104	1243793	-2828	28	73,0	41,0	40,0	106,0	88,0
1211105	1243794	-3535	35	71,0	50,0	50,0	114,0	92,0
1211106	1243795	-4242	42	70,0	60,0	60,0	115,0	92,0

### // R1A12M112S

#### Butt Weld long straight coupling DIN 24° - Heavy series

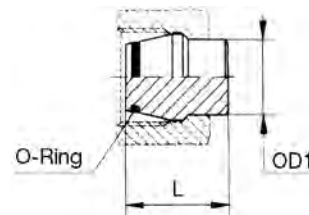


Item Code Body Only	Item Code Complete	Head 1 / Head 2	OD1	Q1	CH	CH1	L	L1
		mm						
1211271	1244135	-0606	6	60,0	17,0	20,0	89,0	74,0
1211272	1244136	-0808	8	60,0	19,0	22,0	89,0	74,0
1208076	1244137	-1010	10	59,0	22,0	25,0	91,0	74,0
1211273	1244138	-1212	12	59,0	24,0	28,0	91,0	74,0
1211274	1244139	-1414	14	72,0	27,0	30,0	107,0	88,0
1211275	1244140	-1616	16	71,0	30,0	35,0	107,0	88,0
1207467	1242452	-2020	20	71,0	36,0	38,0	114,0	92,0
1211276	1244141	-2525	25	72,0	46,0	45,0	120,0	96,0
1211277	1244142	-3030	30	73,0	50,0	50,0	126,0	100,0
1211278	1244143	-3838	38	72,0	60,0	60,0	133,0	104,0

## // PLUG

### // R1A15F0000

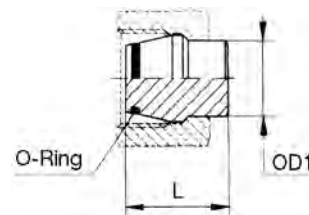
Plug with O-Ring 24° DIN 2353 - Light series



Item Code	Head mm	OD1 mm	L mm
1208264	-0600	6	18,5
1208263	-0800	8	18,5
1208262	-1000	10	20,0
1208240	-1200	12	20,5
1208142	-1500	15	20,5
1208143	-1800	18	22,5
1208146	-2200	22	25,0
1208148	-2800	28	25,5
1208149	-3500	35	30,0
1208150	-4200	42	30,0

### // R1A16F0000

Plug with O-Ring 24° DIN 2353 - Heavy series

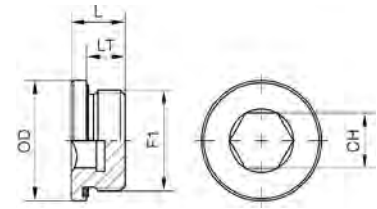


Item Code	Head mm	OD1 mm	L mm
1208239	-0600	6	18,5
1208238	-0800	8	18,5
1208237	-1000	10	20,0
1208236	-1200	12	20,5
1208062	-1400	14	22,5
1208063	-1600	16	23,5
1208064	-2000	20	28,5
1208065	-2500	25	29,0
1208066	-3000	30	30,5
1208067	-3800	38	33,0

Dimensions shown may be changed without prior notice

## // R1A50I0000

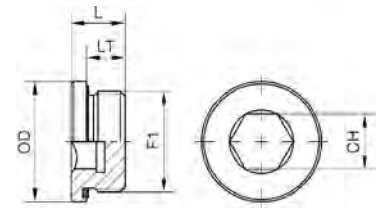
## Socket head plug Metric cylindric with elastomer



Item Code	Head	F1	OD	CH	L	LT
			mm	mm	mm	mm
1204050	-1000	M10X1.0	13,9	5,0	12,0	8,0
1206352	-1200	M12X1.5	16,9	6,0	17,0	12,0
1204051	-1400	M14X1.5	18,9	6,0	17,0	12,0
1204052	-1600	M16X1.5	21,9	8,0	17,0	12,0
1204053	-1800	M18X1.5	23,9	8,0	17,0	12,0
1204054	-2000	M20X1.5	25,9	10,0	19,0	14,0
1204055	-2200	M22X1.5	26,9	10,0	19,0	14,0
1204056	-2600	M26X1.5	31,9	12,0	21,0	16,0
1204057	-2700	M27X2	31,9	12,0	21,0	16,0
1206706	-3300	M33X2.0	39,9	17,0	22,5	16,0
1211886	-4200	M42X2	49,9	22,0	22,5	16,0
1207864	-4800	M48X2.0	54,9	24,0	22,5	16,0

## // R1A06I0000

## Socket head plug BSPP cylindric with elastomer



Item Code	Head	F1	OD	CH	L	LT
			mm	mm	mm	mm
1204044	-0200	1/8-28	13,9	5,0	12,0	8,0
1204043	-0400	1/4-19	18,9	6,0	17,0	12,0
1204049	-0600	3/8-19	21,9	8,0	17,0	12,0
1204042	-0800	1/2-14	26,9	10,0	19,0	14,0
1204048	-1200	3/4-14	31,9	12,0	21,0	16,0
1204045	-1600	1-11	39,9	17,0	22,5	16,0
1204047	-2000	1 1/4-11	49,9	22,0	22,5	16,0
1204046	-2400	1 1/2-11	54,9	24,0	22,5	16,0