

ADAPTERS

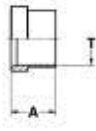


37° - FLARED TUBE CONNECTORS

ISO 8434-2, SAE J514

6101000

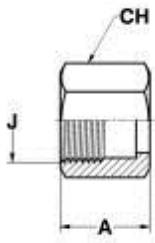
Sleeve



T	REFERENCE	A
mm		
6	610100006	10,5
8	610100008	11,5
10	610100010	12,5
12	610100012	14,5
14	610100014	16,5
15	610100015	16,5
16	610100016	16,5
18	610100018	17
20	610100020	17
22	610100022	19
25	610100025	19,5
28	610100028	21
30	610100030	23
32	610100032	23
38	610100038	28,5
50	610100050	30

6101011

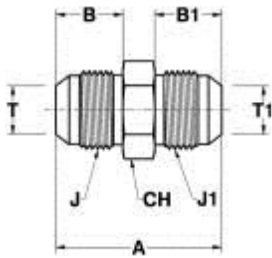
Nut



T	REFERENCE	J	A	CH
mm				
6	610101106	7/16-20 UNF	15,5	14
8	610101108	1/2-20 UNF	17	17
10	610101110	9/16-18 UNF	18,5	17
10	61010111019	9/16-18 UNF	18,5	19
12	610101112	3/4-16 UNF	21,5	22
14÷16	610101116	7/8-14 UNF	24,5	27
18-20	610101118	1"1/16-12 UN	26	32
18-20	610101120	1"1/16-12 UN	26	32
22	610101122	1"3/16-12 UN	27,5	36
25	610101125	1"5/16-12 UN	28,5	38
25	61010112541	1"5/16-12 UN	28,5	41
30-32	610101132	1"5/8-12 UN	31	50
38	610101138	1"7/8-12 UN	36	57
38	61010113860	1"7/8-12 UN	36	60
50	610101150	2"1/2-12 UN	44,5	75

6102001

Union JIC – JIC



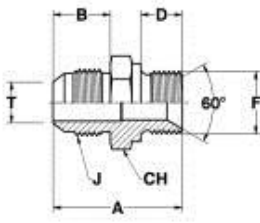
T		T1		REFERENCE	J	J1	A	B	B1	CH
mm	in	mm	in							
6	1/4	6	1/4	610200106	7/16-20 UNF	7/16-20 UNF	35	14	14	13
8	5/16	8	5/16	610200108	1/2-20 UNF	1/2-20 UNF	35	14	14	14
10	3/8	10	3/8	610200110	9/16-18 UNF	9/16-18 UNF	36	14	14	16
12	1/2	12	1/2	610200112	3/4-16 UNF	3/4-16 UNF	41	17	17	21
14÷16	5/8	14÷16	5/8	610200116	7/8-14 UNF	7/8-14 UNF	48	19,5	19,5	24
18-20	3/4	18-20	3/4	610200120	1"1/16-12 UN	1"1/16-12 UN	55	22	22	30
22	7/8	22	7/8	610200122	1"3/16-12 UN	1"3/16-12 UN	56	22,5	22,5	32
25	1"	25	1"	610200125	1"5/16-12 UN	1"5/16-12 UN	57	23	23	35
30-32	1"1/4	30-32	1"1/4	610200132	1"5/8-12 UN	1"5/8-12 UN	61,5	24,5	24,5	42
38	1"1/2	38	1"1/2	610200138	1"7/8-12 UN	1"7/8-12 UN	70	27,5	27,5	50
8	5/16	6	1/4	61020010806	1/2-20 UNF	7/16-20 UNF	35	14	14	14
10	3/8	6	1/4	61020011006	9/16-18 UNF	7/16-20 UNF	35,5	14	14	16
10	3/8	8	5/16	61020011008	9/16-18 UNF	1/2-20 UNF	35,5	14	14	16
12	1/2	6	1/4	61020011206	3/4-16 UNF	7/16-20 UNF	39	17	14	21
12	1/2	8	5/16	61020011208	3/4-16 UNF	1/2-20 UNF	38,5	17	14	21
12	1/2	10	3/8	61020011210	3/4-16 UNF	9/16-18 UNF	39	17	14	21
14÷16	5/8	8	5/16	61020011608	7/8-14 UNF	1/2-20 UNF	42,5	19,5	14	24
14÷16	5/8	10	3/8	61020011610	7/8-14 UNF	9/16-18 UNF	42	19,5	14	24
14÷16	5/8	12	1/2	61020011612	7/8-14 UNF	3/4-16 UNF	45	19,5	17	24
18-20	3/4	10	3/8	61020012010	1"1/16-12 UN	9/16-18 UNF	47	22	14	30
18-20	3/4	12	1/2	61020012012	1"1/16-12 UN	3/4-16 UNF	50	22	17	30
18-20	3/4	14÷16	5/8	61020012016	1"1/16-12 UN	7/8-14 UNF	52,5	22	19,5	30
22	7/8	14÷16	5/8	61020012216	1"3/16-12 UN	7/8-14 UNF	53	22,5	19,5	32
22	7/8	18-20	3/4	61020012220	1"3/16-12 UN	1"1/16-12 UN	55,5	22,5	22	32
25	1"	8	5/16	61020012508	1"5/16-12 UN	1/2-20 UNF	48	23	14	35
25	1"	14÷16	5/8	61020012516	1"5/16-12 UN	7/8-14 UNF	53,5	23	19,5	35
25	1"	18-20	3/4	61020012520	1"5/16-12 UN	1"1/16-12 UN	56	23	22	35
25	1"	22	7/8	61020012522	1"5/16-12 UN	1"3/16-12 UN	57	23	22,5	35
30-32	1"1/4	22	7/8	61020013222	1"5/8-12 UN	1"3/16-12 UN	60	24,5	22,5	42
30-32	1"1/4	25	1"	61020013225	1"5/8-12 UN	1"5/16-12 UN	60,5	24,5	23	42
38	1"1/2	30-32	1"1/4	61020013832	1"7/8-12 UN	1"5/8-12 UN	65,5	27,5	24,5	50
50	2"	50	2"	610200150	2"1/2-12 UN	2"1/2-12 UN	86,5	34	34	70

6102353

Connector

Male JIC - Male BSPP 60°

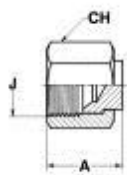
ISO 8434-6 ports



T		REFERENCE	J	F	A	B	D	CH
mm	in							
6	1/4	61023530610	7/16-20 UNF	G1/8-28	29	14	8	14
6	1/4	61023530613	7/16-20 UNF	G1/4-19	34,5	14	12	19
6	1/4	61023530617	7/16-20 UNF	G3/8-19	34,5	14	12	22
6	1/4	61023530621	7/16-20 UNF	G1/2-14	38	14	14	27
8	5/16	61023530810	1/2-20 UNF	G1/8-28	29	14	8	14
8	5/16	61023530813	1/2-20 UNF	G1/4-19	34,5	14	12	19
8	5/16	61023530817	1/2-20 UNF	G3/8-19	34,5	14	12	22
10	3/8	61023531013	9/16-18 UNF	G1/4-19	34,5	14	12	19
10	3/8	61023531017	9/16-18 UNF	G3/8-19	34,5	14	12	22
10	3/8	61023531021	9/16-18 UNF	G1/2-14	38	14	14	27
12	1/2	61023531213	3/4-16 UNF	G1/4-19	37,5	17	12	22
12	1/2	61023531217	3/4-16 UNF	G3/8-19	37,5	17	12	22
12	1/2	61023531221	3/4-16 UNF	G1/2-14	41	17	14	27
12	1/2	61023531226	3/4-16 UNF	G3/4-14	45	17	16	32
14÷16	5/8	61023531617	7/8-14 UNF	G3/8-19	40,5	19,5	12	24
14÷16	5/8	61023531621	7/8-14 UNF	G1/2-14	43,5	19,5	14	27
14÷16	5/8	61023531626	7/8-14 UNF	G3/4-14	47,5	19,5	16	32
18-20	3/4	61023532021	1"1/16-12 UN	G1/2-14	47	22	14	30
18-20	3/4	61023532026	1"1/16-12 UN	G3/4-14	50	22	16	32
18-20	3/4	61023532033	1"1/16-12 UN	G1"-11	52,5	22	18	41
22	7/8	61023532226	1"3/16-12 UN	G3/4-14	50,5	22,5	16	32
25	1"	61023532526	1"5/16-12 UN	G3/4-14	51	23	16	36
25	1"	61023532533	1"5/16-12 UN	G1"-11	53,5	23	18	41
25	1"	61023532542	1"5/16-12 UN	G1"1/4-11	57	23	20	50
30-32	1"1/4	61023533233	1"5/8-12 UN	G1"-11	55,5	24,5	18	42
30-32	1"1/4	61023533242	1"5/8-12 UN	G1"1/4-11	58,5	24,5	20	50
38	1"1/2	61023533842	1"7/8-12 UN	G1"1/4-11	61,5	27,5	20	50
38	1"1/2	61023533848	1"7/8-12 UN	G1"1/2-11	65,5	27,5	22	60
8	5/16	61023530821	1/2-20 UNF	G1/2-14	38	14	14	27
10	3/8	61023531010	9/16-18 UNF	G1/8-28	30	14	8	17
10	3/8	61023531026	9/16-18 UNF	G3/4-14	42	14	16	32
14÷16	5/8	61023531610	7/8-14 UNF	G1/8-28	35,5	19,5	8	24
14÷16	5/8	61023531613	7/8-14 UNF	G1/4-19	40,5	19,5	12	24
14÷16	5/8	61023531623	7/8-14 UNF	G5/8-14	47,5	19,5	16	27
14÷16	5/8	61023531633	7/8-14 UNF	G1"-11	49,5	19,5	18	41
18-20	3/4	61023532042	1"1/16-12 UN	G1"1/4-11	55,5	22	20	50
22	7/8	61023532213	1"3/16-12 UN	G1/4-19	46,5	22,5	12	32
22	7/8	61023532221	1"3/16-12 UN	G1/2-14	49	22,5	14	32
25	1"	61023532548	1"5/16-12 UN	G1"1/2-11	61	23	22	55
30-32	1"1/4	61023533226	1"5/8-12 UN	G3/4-14	53,5	24,5	16	42
30-32	1"1/4	61023533248	1"5/8-12 UN	G1"1/2-11	62,5	24,5	22	55

6101033

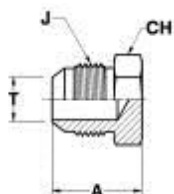
JIC Female plug



T		REFERENCE	J	A	CH
mm	in				
6	1/4	610103306	7/16-20 UNF	18	14
8	5/16	610103308	1/2-20 UNF	20,5	17
10	3/8	610103310	9/16-18 UNF	22	17
12	1/2	610103312	3/4-16 UNF	24,5	22
14÷16	5/8	610103316	7/8-14 UNF	28	27
18-20	3/4	610103320	1"1/16-12 UN	30	32
22	7/8	610103322	1"3/16-12 UN	31	36
25	1"	610103325	1"5/16-12 UN	33,5	38
30-32	1"1/4	610103332	1"5/8-12 UN	35	50
38	1"1/2	610103338	1"7/8-12 UN	40,5	57

6101022

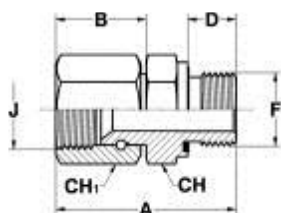
JIC Male plug



T		REFERENCE	J	A	CH
mm	in				
6	1/4	610102206	7/16-20 UNF	20,5	13
8	5/16	610102208	1/2-20 UNF	20,5	14
10	3/8	610102210	9/16-18 UNF	21,5	16
12	1/2	610102212	3/4-16 UNF	24,5	21
14÷16	5/8	610102216	7/8-14 UNF	28	24
18-20	3/4	610102220	1"1/16-12 UN	32,5	30
22	7/8	610102222	1"3/16-12 UN	33	32
25	1"	610102225	1"5/16-12 UN	34	35
30-32	1"1/4	610102232	1"5/8-12 UN	37	42
38	1"1/2	610102238	1"7/8-12 UN	42	50
50	2"	610102250	2"1/2-12 UN	52	70

6102188

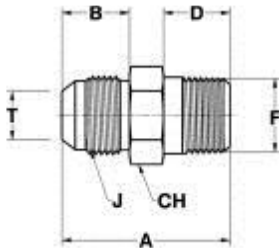
Connector swivel
Female JIC - Male BSPP
with elastomer seal
ISO 1179 ports



T		REFERENCE	J	F	A	B	D	CH	CH1
mm	in								
6	1/4	61021880610	7/16-20 UNF	G1/8-28	34,5	18,5	8	14	14
6	1/4	61021880613	7/16-20 UNF	G1/4-19	41	18,5	12	19	14
8	5/16	61021880813	1/2-20 UNF	G1/4-19	43	20,5	12	19	17
8	5/16	61021880817	1/2-20 UNF	G3/8-19	43	20,5	12	22	17
10	3/8	61021881013	9/16-18 UNF	G1/4-19	44	21,5	12	19	17
10	3/8	61021881017	9/16-18 UNF	G3/8-19	44	21,5	12	22	17
12	1/2	61021881217	3/4-16 UNF	G3/8-19	45,5	23	12	22	22
12	1/2	61021881221	3/4-16 UNF	G1/2-14	49	23	14	27	22
14÷16	5/8	61021881617	7/8-14 UNF	G3/8-19	49	26	12	24	27
14÷16	5/8	61021881621	7/8-14 UNF	G1/2-14	52	26	14	27	27
14÷16	5/8	61021881626	7/8-14 UNF	G3/4-14	56	26	16	32	27
18-20	3/4	61021882026	1"1/16-12 UN	G3/4-14	57,5	27,5	16	32	32
18-20	3/4	61021882033	1"1/16-12 UN	G1"-11	60,5	27,5	18	41	32
25	1"	61021882526	1"5/16-12 UN	G3/4-14	60	30	16	32	38
25	1"	61021882533	1"5/16-12 UN	G1"-11	63	30	18	41	38
25	1"	61021882542	1"5/16-12 UN	G1"1/4-11	66,5	30	20	50	38
30-32	1"1/4	61021883233	1"5/8-12 UN	G1"-11	66,5	32,5	18	41	50
30-32	1"1/4	61021883242	1"5/8-12 UN	G1"1/4-11	69	32,5	20	50	50
38	1"1/2	61021883848	1"7/8-12 UN	G1"1/2-11	78,5	38	22	60	57
18-20	3/4	S61021882021	1"1/16-12 UN	G1/2-14	54,5	27,5	14	27	32

6102100

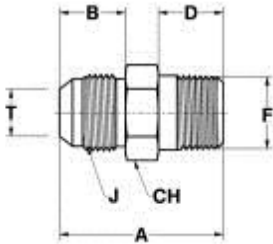
Connector
Male JIC - NPTF taper
SAE 476 ports



T		REFERENCE	J	F	A	B	D	CH
mm	in							
6	1/4	61021000610	7/16-20 UNF	1/8-27 NPTF	31	14	10	13
6	1/4	61021000613	7/16-20 UNF	1/4-18 NPTF	35.5	14	14,5	14
8	5/16	61021000810	1/2-20 UNF	1/8-27 NPTF	31	14	10	14
8	5/16	61021000813	1/2-20 UNF	1/4-18 NPTF	35.5	14	14,5	14
10	3/8	61021001010	9/16-18 UNF	1/8-27 NPTF	31.5	14	10	16
10	3/8	61021001013	9/16-18 UNF	1/4-18 NPTF	36	14	14,5	16
10	3/8	61021001017	9/16-18 UNF	3/8-18 NPTF	36	14	14,5	19
10	3/8	61021001021	9/16-18 UNF	1/2-14 NPTF	42.5	14	19	22
12	1/2	61021001213	3/4-16 UNF	1/4-18 NPTF	39	17	14,5	21
12	1/2	61021001217	3/4-16 UNF	3/8-18 NPTF	39	17	14,5	21
12	1/2	61021001221	3/4-16 UNF	1/2-14 NPTF	45.5	17	19	22
12	1/2	61021001226	3/4-16 UNF	3/4-14 NPTF	47.5	17	19	27
14÷16	5/8	61021001617	7/8-14 UNF	3/8-18 NPTF	43.5	19,5	14,5	24
14÷16	5/8	61021001621	7/8-14 UNF	1/2-14 NPTF	48	19,5	19	24
14÷16	5/8	61021001626	7/8-14 UNF	3/4-14 NPTF	50	19,5	19	27
18-20	3/4	61021002021	1"1/16-12 UN	1/2-14 NPTF	52.5	22	19	27
18-20	3/4	61021002026	1"1/16-12 UN	3/4-14 NPTF	52.5	22	19	30
18-20	3/4	61021002033	1"1/16-12 UN	1"-11 NPTF	57.5	22	24	35
22	7/8	61021002226	1"3/16-12 UN	3/4-14 NPTF	53	22,5	19	32
25	1"	61021002526	1"5/16-12 UN	3/4-14 NPTF	53.5	23	19	35
25	1"	61021002533	1"5/16-12 UN	1"-11 NPTF	58.5	23	24	35
30-32	1"1/4	61021003233	1"5/8-12 UN	1"-11 NPTF	61.5	24,5	24	42
30-32	1"1/4	61021003242	1"5/8-12 UN	1"1/4-11 NPTF	62	24,5	24,5	46
38	1"1/2	61021003842	1"7/8-12 UN	1"1/4-11 NPTF	67	27,5	24,5	50
38	1"1/2	61021003848	1"7/8-12 UN	1"1/2-11 NPTF	68	27,5	25,5	50
3	1/8	61021000310	5/16-24 UNF	1/8-27 NPTF	28	11,5	10	13
6	1/4	61021000617	7/16-20 UNF	3/8-18 NPTF	36	14	14,5	19
6	1/4	61021000621	7/16-20 UNF	1/2-14 NPTF	42.5	14	19	22
8	5/16	61021000817	1/2-20 UNF	3/8-18 NPTF	36	14	14,5	19
8	5/16	61021000821	1/2-20 UNF	1/2-14 NPTF	42.5	14	19	22
10	3/8	61021001026	9/16-18 UNF	3/4-14 NPTF	44.5	14	19	30
12	1/2	61021001210	3/4-16 UNF	1/8-27 NPTF	36	17	10	21
12	1/2	61021001233	3/4-16 UNF	1"-11 NPTF	52	17	24	35
12	1/2	61021001242	3/4-16 UNF	1"1/4-11 NPTF	54.5	17	24,5	46
12	1/2	61021001248	3/4-16 UNF	1"1/2-11 NPTF	57.5	17	25,5	50
14÷16	5/8	61021001613	7/8-14 UNF	1/4-18 NPTF	43.5	19,5	14,5	24
18-20	3/4	61021002017	1"1/16-12 UN	3/8-18 NPTF	45	22	14,5	27
18-20	3/4	61021002042	1"1/16-12 UN	1"1/4-11 NPTF	59.5	22	24,5	46
18-20	3/4	61021002048	1"1/16-12 UN	1"1/2-11 NPTF	62.5	22	25,5	50
25	1"	61021002521	1"5/16-12 UN	1/2-14 NPTF	53.5	23	19	36
25	1"	61021002542	1"5/16-12 UN	1"1/4-11 NPTF	60.5	23	24,5	42
25	1"	61021002560	1"5/16-12 UN	2"-11 NPTF	66	23	26	65
30-32	1"1/4	61021003248	1"5/8-12 UN	1"1/2-11 NPTF	65	24,5	25,5	50
30-32	1"1/4	61021003260	1"5/8-12 UN	2"-11 NPTF	69	24,5	26	65
50	2"	61021005048	2"1/2-12 UN	1"1/2-11 NPTF	78.5	34	25,5	65
50	2"	61021005060	2"1/2-12 UN	2"-11 NPTF	79	34	26	65

6102111

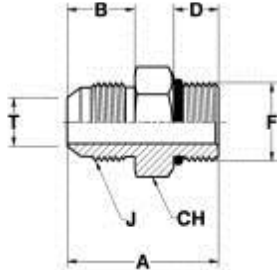
Connector
Male JIC - BSPT taper
ISO 7 ports



T		REFERENCE	J	F	A	B	D	CH
mm	in							
6	1/4	61021110610	7/16-20 UNF	R1/8-28 BSPT	29	14	9	13
6	1/4	61021110613	7/16-20 UNF	R1/4-19 BSPT	33	14	13	14
8	5/16	61021110810	1/2-20 UNF	R1/8-28 BSPT	29	14	9	14
8	5/16	61021110813	1/2-20 UNF	R1/4-19 BSPT	33	14	13	14
10	3/8	61021111013	9/16-18 UNF	R1/4-19 BSPT	33,5	14	13	17
10	3/8	61021111017	9/16-18 UNF	R3/8-19 BSPT	33,5	14	13,5	19
10	3/8	61021111021	9/16-18 UNF	R1/2-14 BSPT	37,5	14	15,5	24
12	1/2	61021111213	3/4-16 UNF	R1/4-19 BSPT	36,5	17	13	22
12	1/2	61021111217	3/4-16 UNF	R3/8-19 BSPT	36,5	17	13,5	22
12	1/2	61021111221	3/4-16 UNF	R1/2-14 BSPT	40,5	17	15,5	24
14÷16	5/8	61021111617	7/8-14 UNF	R3/8-19 BSPT	41	19,5	13,5	24
14÷16	5/8	61021111621	7/8-14 UNF	R1/2-14 BSPT	43	19,5	15,5	24
14÷16	5/8	61021111626	7/8-14 UNF	R3/4-14 BSPT	47	19,5	17	30
18-20	3/4	61021112021	1"1/16-12 UN	R1/2-14 BSPT	47,5	22	15,5	30
18-20	3/4	61021112026	1"1/16-12 UN	R3/4-14 BSPT	49,5	22	17	30
18-20	3/4	61021112033	1"1/16-12 UN	R1"-11 BSPT	51,5	22	19,5	36
22	7/8	61021112226	1"3/16-12 UN	R3/4-14 BSPT	50	22,5	17	32
25	1"	61021112526	1"5/16-12 UN	R3/4-14 BSPT	50,5	23	17	36
25	1"	61021112533	1"5/16-12 UN	R1"-11 BSPT	52,5	23	19,5	36
30-32	1"1/4	61021113233	1"5/8-12 UN	R1"-11 BSPT	55,5	24,5	19,5	46
30-32	1"1/4	61021113242	1"5/8-12 UN	R1"1/4-11 BSPT	57,5	24,5	21,5	46
38	1"1/2	61021113848	1"7/8-12 UN	R1"1/2-11 BSPT	62,5	27,5	21,5	50
6	1/4	61021110617	7/16-20 UNF	R3/8-19 BSPT	33,5	14	13,5	19
8	5/16	61021110817	1/2-20 UNF	R3/8-19 BSPT	35	14	13,5	19
10	3/8	61021111010	9/16-18 UNF	R1/8-28 BSPT	30	14	9	17
10	3/8	61021111026	9/16-18 UNF	R3/4-14 BSPT	40	14	17	30
12	1/2	61021111226	3/4-16 UNF	R3/4-14 BSPT	43	17	17	30
14÷16	5/8	61021111613	7/8-14 UNF	R1/4-19 BSPT	42	19,5	13	24
14÷16	5/8	61021111633	7/8-14 UNF	R1"-11 BSPT	49	19,5	19,5	36
18-20	3/4	61021112013	1"1/16-12 UN	R1/4-19 BSPT	45,5	22,5	13	30
25	1"	61021112542	1"5/16-12 UN	R1"1/4-11 BSPT	57,5	23	21,5	46
25	1"	61021112560	1"5/16-12 UN	R2"-11 BSPT	65	23	26	65
30-32	1"1/4	61021113248	1"5/8-12 UN	R1"1/2-11 BSPT	59,5	24,5	21,5	50
38	1"1/2	61021113842	1"7/8-12 UN	R1"1/4-11 BSPT	62,5	27,5	21,5	50
50	2"	61021115048	2"1/2-12 UN	R1"1/2-11 BSPT	74,5	34	21,5	65
50	2"	61021115060	2"1/2-12 UN	R2"-11 BSPT	76	34	26	65

6102012

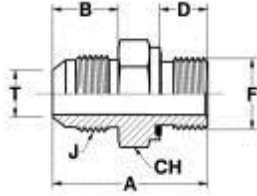
Connector
Male JIC - SAE UNF-UN
with O.R.
ISO 11926 ports



T		REFERENCE	J	F	A	B	D	CH
mm	in							
6	1/4	61020120611	7/16-20 UNF	7/16-20 UNF	31	14	9	14
6	1/4	61020120612	7/16-20 UNF	1/2-20 UNF	31	14	9	16
6	1/4	61020120614	7/16-20 UNF	9/16-18 UNF	32,5	14	10	19
8	5/16	61020120812	1/2-20 UNF	1/2-20 UNF	31	14	9	16
10	3/8	61020121014	9/16-18 UNF	9/16-18 UNF	33	14	10	19
10	3/8	61020121019	9/16-18 UNF	3/4-16 UNF	35	14	11	22
12	1/2	61020121219	3/4-16 UNF	3/4-16 UNF	37,5	17	11	22
12	1/2	61020121222	3/4-16 UNF	7/8-14 UNF	40,5	17	13	27
12	1/2	61020121227	3/4-16 UNF	1"1/16-12 UN	44,5	17	15	32
14÷16	5/8	61020121619	7/8-14 UNF	3/4-16 UNF	40,5	19,5	11	24
14÷16	5/8	61020121622	7/8-14 UNF	7/8-14 UNF	43	19,5	13	27
14÷16	5/8	61020121627	7/8-14 UNF	1"1/16-12 UN	47	19,5	15	32
18-20	3/4	61020122019	1"1/16-12 UN	3/4-16 UNF	44,5	22	11	27
18-20	3/4	61020122022	1"1/16-12 UN	7/8-14 UNF	47	22	13	27
18-20	3/4	61020122027	1"1/16-12 UN	1"1/16-12 UN	50	22	15	32
18-20	3/4	61020122033	1"1/16-12 UN	1"5/16-12 UN	50,5	22	15	38
25	1"	61020122527	1"5/16-12 UN	1"1/16-12 UN	50,5	23	15	35
25	1"	61020122533	1"5/16-12 UN	1"5/16-12 UN	52	23	15	38
25	1"	61020122541	1"5/16-12 UN	1"5/8-12 UN	54	23	15	48
30-32	1"1/4	61020123241	1"5/8-12 UN	1"5/8-12 UN	55	24,5	15	48
38	1"1/2	61020123848	1"7/8-12 UN	1"7/8-12 UN	60	27,5	15	55
6	1/4	61020120609	7/16-20 UNF	3/8-24 UNF	30	14	7,5	13
6	1/4	61020120619	7/16-20 UNF	3/4-16 UNF	35	14	11	22
6	1/4	61020120622	7/16-20 UNF	7/8-14 UNF	38	14	13	27
8	5/16	61020120809	1/2-20 UNF	3/8-24 UNF	30	14	7,5	14
8	5/16	61020120811	1/2-20 UNF	7/16-20 UNF	31	14	9	14
8	5/16	61020120814	1/2-20 UNF	9/16-18 UNF	33	14	10	19
8	5/16	61020120819	1/2-20 UNF	3/4-16 UNF	35	14	11	22
10	3/8	61020121009	9/16-18 UNF	3/8-24 UNF	31	14	7,5	16
10	3/8	61020121011	9/16-18 UNF	7/16-20 UNF	32,5	14	9	16
10	3/8	61020121012	9/16-18 UNF	1/2-20 UNF	32,5	14	9	16
10	3/8	61020121022	9/16-18 UNF	7/8-14 UNF	37,5	14	13	27
12	1/2	61020121211	3/4-16 UNF	7/16-20 UNF	35	17	9	22
12	1/2	61020121214	3/4-16 UNF	9/16-18 UNF	35	17	10	22
14÷16	5/8	61020121612	7/8-14 UNF	1/2-20 UNF	38,5	19,5	9	24
14÷16	5/8	61020121614	7/8-14 UNF	9/16-18 UNF	38,5	19,5	10	24
14÷16	5/8	61020121630	7/8-14 UNF	1"3/16-12 UN	47	19,5	15	35
14÷16	5/8	61020121633	7/8-14 UNF	1"5/16-12 UN	48	19,5	15	38
18-20	3/4	61020122030	1"1/16-12 UN	1"3/16-12 UN	50	22	15	35
18-20	3/4	61020122041	1"1/16-12 UN	1"5/8-12 UN	52,5	22	15	48
25	1"	61020122519	1"5/16-12 UN	3/4-16 UNF	47,5	23	11	36
25	1"	61020122522	1"5/16-12 UN	7/8-14 UNF	48	23	13	35
25	1"	61020122530	1"5/16-12 UN	1"3/16-12 UN	51,5	23	15	35
25	1"	61020122548	1"5/16-12 UN	1"7/8-12 UN	55	23	15	55
30-32	1"1/4	61020123227	1"5/8-12 UN	1"1/16-12 UN	53	24,5	15	42
30-32	1"1/4	61020123233	1"5/8-12 UN	1"5/16-12 UN	53	24,5	15	42
30-32	1"1/4	61020123248	1"5/8-12 UN	1"7/8-12 UN	56,5	24,5	15	55
38	1"1/2	61020123841	1"7/8-12 UN	1"5/8-12 UN	64,5	27,5	15	50
38	1"1/2	61020123863	1"7/8-12 UN	2"1/2-12 UN	64	27,5	15	70
50	2"	61020125063	2"1/2-12 UN	2"1/2-12 UN	70,5	34	15	70

6102034

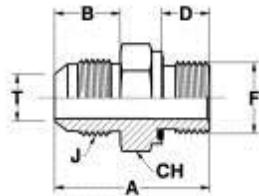
Connector
Male JIC - BSPP
with elastomer seal
ISO 1179 ports



T		REFERENCE	J	F	A	B	D	CH
mm	in							
6	1/4	61020340610	7/16-20 UNF	G1/8-28	30	14	8	14
6	1/4	61020340613	7/16-20 UNF	G1/4-19	36,5	14	12	19
8	5/16	61020340813	1/2-20 UNF	G1/4-19	36,5	14	12	19
8	5/16	61020340817	1/2-20 UNF	G3/8-19	36,5	14	12	22
10	3/8	61020341013	9/16-18 UNF	G1/4-19	36,5	14	12	19
10	3/8	61020341017	9/16-18 UNF	G3/8-19	36,5	14	12	22
12	1/2	61020341217	3/4-16 UNF	G3/8-19	39,5	17	12	22
12	1/2	61020341221	3/4-16 UNF	G1/2-14	43	17	14	27
12	1/2	61020341226	3/4-16 UNF	G3/4-14	47	17	16	32
14÷16	5/8	61020341617	7/8-14 UNF	G3/8-19	42,5	19,5	12	24
14÷16	5/8	61020341621	7/8-14 UNF	G1/2-14	45,5	19,5	14	27
14÷16	5/8	61020341626	7/8-14 UNF	G3/4-14	49,5	19,5	16	32
18-20	3/4	61020342021	1"1/16-12 UN	G1/2-14	49	22	14	27
18-20	3/4	61020342026	1"1/16-12 UN	G3/4-14	52	22	16	32
18-20	3/4	61020342033	1"1/16-12 UN	G1"-11	55	22	18	41
25	1"	61020342526	1"5/16-12 UN	G3/4-14	53	23	16	36
25	1"	61020342533	1"5/16-12 UN	G1"-11	56	23	18	41
25	1"	61020342542	1"5/16-12 UN	G1"1/4-11	59,5	23	20	50
30-32	1"1/4	61020343233	1"5/8-12 UN	G1"-11	58	24,5	18	46
30-32	1"1/4	61020343242	1"5/8-12 UN	G1"1/4-11	61	24,5	20	50
38	1"1/2	61020343842	1"7/8-12 UN	G1"1/4-11	66	27,5	20	50
38	1"1/2	61020343848	1"7/8-12 UN	G1"1/2-11	68	27,5	22	55
6	1/4	61020340617	7/16-20 UNF	G3/8-19	36,5	14	12	22
6	1/4	61020340621	7/16-20 UNF	G1/2-14	40	14	14	27
10	3/8	61020341021	9/16-18 UNF	G1/2-14	39	14	14	27
12	1/2	61020341213	3/4-16 UNF	G1/4-19	39,5	17	12	19
12	1/2	61020341248	3/4-16 UNF	G1"1/2-11	55	17	22	55
18-20	3/4	61020342048	1"1/16-12 UN	G1"1/2-11	62,5	22	22	55

6102078

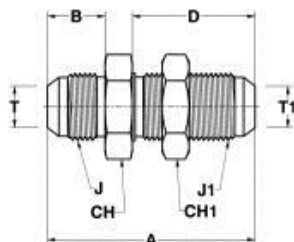
Connector
Male JIC - Metric with
elastomer seal
ISO 9974 ports



T		REFERENCE	J	F	A	B	D	CH
mm	in							
6	1/4	61020780610	7/16-20 UNF	M10x1	30	14	8	14
6	1/4	61020780612	7/16-20 UNF	M12x1,5	35	14	12	17
8	5/16	61020780810	1/2-20 UNF	M10x1	30	14	8	14
8	5/16	61020780812	1/2-20 UNF	M12x1,5	35	14	12	17
10	3/8	61020781014	9/16-18 UNF	M14x1,5	36	14	12	19
10	3/8	61020781016	9/16-18 UNF	M16x1,5	36	14	12	22
12	1/2	61020781216	3/4-16 UNF	M16x1,5	39	17	12	22
12	1/2	61020781218	3/4-16 UNF	M18x1,5	39,5	17	12	24
14÷16	5/8	61020781618	7/8-14 UNF	M18x1,5	42	19,5	12	24
14÷16	5/8	61020781620	7/8-14 UNF	M20x1,5	45	19,5	14	27
14÷16	5/8	61020781622	7/8-14 UNF	M22x1,5	45	19,5	14	27
18-20	3/4	61020782022	1"1/16-12 UN	M22x1,5	48,5	22	14	30
18-20	3/4	61020782027	1"1/16-12 UN	M27x2	52	22	16	32
25	1"	61020782526	1"5/16-12 UN	M26x1,5	55	23	16	36
25	1"	61020782527	1"5/16-12 UN	M27x2	53	23	16	36
25	1"	61020782533	1"5/16-12 UN	M33x2	56	23	18	41
30-32	1"1/4	61020783242	1"5/8-12 UN	M42x2	61	24,5	20	50
38	1"1/2	61020783848	1"7/8-12 UN	M48x2	68	27,5	22	55
12	1/2	61020781214	3/4-16 UNF	M14x1,5	39	17	12	22

6103002

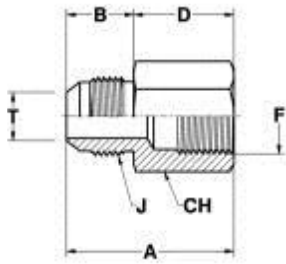
Bulkhead union
Male JIC – JIC



T		T1		REFERENCE	J UNF/UN	J1 UNF/UN	A	B	D	CH	CH1
mm	in	mm	in								
6	1/4	6	1/4	610300206	7/16-20	7/16-20	52,5	14	31,5	17	17
8	5/16	8	5/16	610300208	1/2-20	1/2-20	52,5	14	31,5	19	19
10	3/8	10	3/8	610300210	9/16-18	9/16-18	55,5	14	33,5	22	22
12	1/2	12	1/2	610300212	3/4-16	3/4-16	62	17	37,5	24	24
14÷16	5/8	14÷16	5/8	610300216	7/8-14	7/8-14	69,5	19,5	41	30	30
18-20	3/4	18-20	3/4	610300220	1"1/16-12	1"1/16-12	78,5	22	45,5	36	36
22	7/8	22	7/8	610300222	1"3/16-12	1"3/16-12	79	22,5	45,5	38	38
25	1"	25	1"	610300225	1"5/16-12	1"5/16-12	80	23	45,5	41	41
30-32	1"1/4	30-32	1"1/4	610300232	1"5/8-12	1"5/8-12	84	24,5	46,5	50	50
38	1"1/2	38	1"1/2	610300238	1"7/8-12	1"7/8-12	89,5	27,5	47	55	55
50	2"	50	2"	610300250	2"1/2-12	2"1/2-12	106,5	34	54	70	70
10	3/8	6	1/4	61030021006	9/16-18	7/16-20	53,5	14	31,5	22	17
14÷16	5/8	12	1/2	61030021612	7/8-14	3/4-16	66	19,5	37,5	30	24

6102144

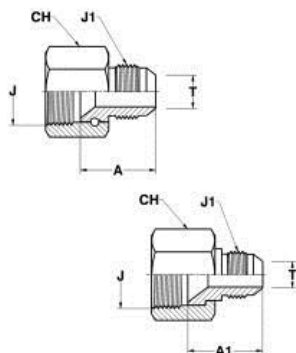
Adapter
Male JIC - Female BSPP



T		REFERENCE	J	F	A	B	D	CH
mm	in							
6	1/4	61021440610	7/16-20 UNF	G1/8-28	30	14	16	14
6	1/4	61021440613	7/16-20 UNF	G1/4-19	35,5	14	21,5	19
8	5/16	61021440810	1/2-20 UNF	G1/8-28	30	14	16	14
8	5/16	61021440813	1/2-20 UNF	G1/4-19	35,5	14	21,5	19
10	3/8	61021441013	9/16-18 UNF	G1/4-19	35,5	14	21,5	19
10	3/8	61021441017	9/16-18 UNF	G3/8-19	36,5	14	22,5	22
10	3/8	61021441021	9/16-18 UNF	G1/2-14	42,5	14	28,5	27
12	1/2	61021441213	3/4-16 UNF	G1/4-19	38,5	17	21,5	22
12	1/2	61021441217	3/4-16 UNF	G3/8-19	39,5	17	22,5	22
12	1/2	61021441221	3/4-16 UNF	G1/2-14	45,5	17	28,5	27
14÷16	5/8	61021441621	7/8-14 UNF	G1/2-14	48	19,5	28,5	27
18-20	3/4	61021442021	1"1/16-12 UN	G1/2-14	50,5	22	28,5	30
18-20	3/4	61021442026	1"1/16-12 UN	G3/4-14	52,5	22	30,5	36
22	7/8	61021442226	1"3/16-12 UN	G3/4-14	53	22,5	30,5	36
25	1"	61021442533	1"5/16-12 UN	G1"-11	59,5	23	36,5	41
30-32	1"1/4	61021443233	1"5/8-12 UN	G1"-11	61	24,5	36,5	46
30-32	1"1/4	61021443242	1"5/8-12 UN	G1"1/4-11	63	24,5	38,5	50
38	1"1/2	61021443842	1"7/8-12 UN	G1"1/4-11	66	27,5	38,5	50
38	1"1/2	61021443848	1"7/8-12 UN	G1"1/2-11	66,5	27,5	39	60
6	1/4	61021440626	7/16-20 UNF	G3/4-14	44	14	30	36
8	5/16	61021440817	1/2-20 UNF	G3/8-19	36,5	14	22,5	22
10	3/8	61021441010	9/16-18 UNF	G1/8-28	30	14	16	17
12	1/2	61021441226	3/4-16 UNF	G3/4-14	47,5	17	30,5	36
14÷16	5/8	61021441617	7/8-14 UNF	G3/8-19	42	19,5	22,5	24
18-20	3/4	61021442017	1"1/16-12 UN	G3/8-19	44	22	22	30
25	1"	61021442526	1"5/16-12 UN	G3/4-14	53,5	23	30,5	36

6102265

Reducer
Female - Male JIC

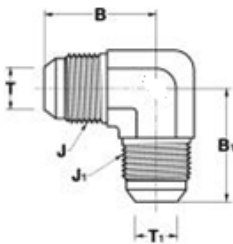


T		REFERENCE	J UNF/UN	J1 UNF/UN	A	A1	CH
mm	in						
10	3/8	61022651006	9/16-18	7/16-20		24,5	17
10	3/8	61022651008	9/16-18	1/2-20	24,5		17
12	1/2	61022651206	3/4-16	7/16-20		25,5	22
12	1/2	61022651208	3/4-16	1/2-20		25,5	22
12	1/2	61022651210	3/4-16	9/16-18		25,5	22
14÷16	5/8	61022651606	7/8-14	7/16-20		26	27
14÷16	5/8	61022651610	7/8-14	9/16-18		26	27
14÷16	5/8	61022651612	7/8-14	3/4-16	29		27
18-20	3/4	61022652006	1"1/16-12	7/16-20		27,5	32
18-20	3/4	61022652010	1"1/16-12	9/16-18		27,5	32
18-20	3/4	61022652012	1"1/16-12	3/4-16		30,5	32
18-20	3/4	61022652016	1"1/16-12	7/8-14	31		32
22	7/8	61022652220	1"3/16-12	1"1/16-12	34		36
25	1"	61022652520	1"5/16-12	1"1/16-12		37,5	38
25	1"	61022652522	1"5/16-12	1"3/16-12	35,5		38
30-32	1"1/4	61022653220	1"5/8-12	1"1/16-12		39	50
30-32	1"1/4	61022653222	1"5/8-12	1"3/16-12		39,5	50
30-32	1"1/4	61022653225	1"5/8-12	1"5/16-12		40	50
38	1"1/2	61022653832	1"7/8-12	1"5/8-12		43	57
6	1/4	61022650606	7/16-20	7/16-20	31		14
6	1/4	61022650610	7/16-20	9/16-18	24		14
8	5/16	61022650806	1/2-20	7/16-20	24		17
8	5/16	61022650808	1/2-20	1/2-20	32		17
8	5/16	61022650810	1/2-20	9/16-18	32		17
8	5/16	61022650812	1/2-20	3/4-16	37		17
10	3/8	61022651010	9/16-18	9/16-18	34		17
10	3/8	61022651012	9/16-18	3/4-16	38		17
10	3/8	61022651020	9/16-18	1"1/16-12	43		17
10	3/8	61022651025	9/16-18	1"5/16-12	46		17
12	1/2	61022651212	3/4-16	3/4-16	38		22
12	1/2	61022651216	3/4-16	7/8-14	40		22
12	1/2	61022651220	3/4-16	1"1/16-12	43,5		22
14÷16	5/8	61022651608	7/8-14	1/2-20		26	27
14÷16	5/8	61022651616	7/8-14	7/8-14	31		27
14÷16	5/8	61022651625	7/8-14	1"5/16-12	47		27
18-20	3/4	61022652008	1"1/16-12	1/2-20		29	32
18-20	3/4	61022652020	1"1/16-12	1"1/16-12	45		32
18-20	3/4	61022652025	1"1/16-12	1"5/16-12	36		32
18-20	3/4	61022652032	1"1/16-12	1"5/8-12	48,5		32
25	1"	61022652506	1"5/16-12	7/16-20		32,5	38
25	1"	61022652508	1"5/16-12	1/2-20		29,5	38
25	1"	61022652510	1"5/16-12	9/16-18		29,5	38
25	1"	61022652512	1"5/16-12	3/4-16		31	38
25	1"	61022652516	1"5/16-12	7/8-14		34	38
25	1"	61022652525	1"5/16-12	1"5/16-12	49		38
30-32	1"1/4	61022653208	1"5/8-12	1/2-20		34	50
30-32	1"1/4	61022653210	1"5/8-12	9/16-18		32,5	50
30-32	1"1/4	61022653212	1"5/8-12	3/4-16		35,5	50
30-32	1"1/4	61022653216	1"5/8-12	7/8-14		36,5	50
30-32	1"1/4	61022653238	1"5/8-12	1"7/8-12	56		50

38	1"1/2	61022653808	1"7/8-12	1/2-20		35	57
38	1"1/2	61022653810	1"7/8-12	9/16-18		35	57
38	1"1/2	61022653812	1"7/8-12	3/4-16		35,5	57
38	1"1/2	61022653816	1"7/8-12	7/8-14		38	57
38	1"1/2	61022653820	1"7/8-12	1"1/16-12		41	57
38	1"1/2	61022653822	1"7/8-12	1"3/16-12		39,5	57
38	1"1/2	61022653825	1"7/8-12	1"5/16-12		42	57
38	1"1/2	61022653838	1"7/8-12	1"7/8-12	58,5		57
38	1"1/2	61022653850	1"7/8-12	2"1/2-12	72		57

6107006

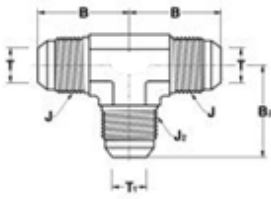
90° elbow Male JIC – JIC



T		T1		REFERENCE	J	J1	B	C
mm	in	mm	in					
6	1/4	6	1/4	610700606	7/16-20 UNF	7/16-20 UNF	23	22,5
8	5/16	8	5/16	610700608	1/2-20 UNF	1/2-20 UNF	24	24
10	3/8	10	3/8	610700610	9/16-18 UNF	9/16-18 UNF	27	27
12	1/2	12	1/2	610700612	3/4-16 UNF	3/4-16 UNF	32	31,5
14÷16	5/8	14÷16	5/8	610700616	7/8-14 UNF	7/8-14 UNF	37	36,5
18-20	3/4	18-20	3/4	610700620	1"1/16-12 UN	1"1/16-12 UN	42	42
22	7/8	22	7/8	610700622	1"3/16-12 UN	1"3/16-12 UN	44	44
25	1"	25	1"	610700625	1"5/16-12 UN	1"5/16-12 UN	46	46
30-32	1"1/4	30-32	1"1/4	610700632	1"5/8-12 UN	1"5/8-12 UN	52	52
38	1"1/2	38	1"1/2	610700638	1"7/8-12 UN	1"7/8-12 UN	59	59
14÷16	5/8	12	1/2	61070061612	7/8-14 UNF	3/4-16 UNF	37	33,5
14÷16	5/8	18-20	3/4	61070061620	7/8-14 UNF	1"1/16-12 UN	40	42
18-20	3/4	12	1/2	61070062012	1"1/16-12 UN	3/4-16 UNF	42	36,5
18-20	3/4	25	1"	61070062025	1"1/16-12 UN	1"5/16-12 UN	45	46
22	7/8	18-20	3/4	61070062220	1"3/16-12 UN	1"1/16-12 UN	44	43,5
30-32	1"1/4	25	1"	61070063225	1"5/8-12 UN	1"5/16-12 UN	52	50,5

6111001

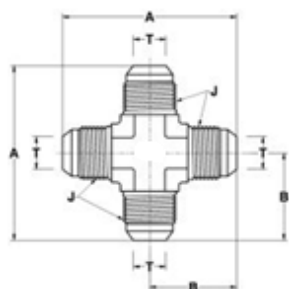
Union TEE Male JIC



T		T1		REFERENCE	J	J2	B	B2
mm	in	mm	in					
6	1/4	6	1/4	611100106	7/16-20 UNF	7/16-20 UNF	23	23
8	5/16	8	5/16	611100108	1/2-20 UNF	1/2-20 UNF	24	24
10	3/8	10	3/8	611100110	9/16-18 UNF	9/16-18 UNF	27	27
12	1/2	12	1/2	611100112	3/4-16 UNF	3/4-16 UNF	32	31,5
14÷16	5/8	14÷16	5/8	611100116	7/8-14 UNF	7/8-14 UNF	37	36,5
18-20	3/4	18-20	3/4	611100120	1"1/16-12 UN	1"1/16-12 UN	42	42
22	7/8	22	7/8	611100122	1"3/16-12 UN	1"3/16-12 UN	44	44
25	1"	25	1"	611100125	1"5/16-12 UN	1"5/16-12 UN	46	46
30-32	1"1/4	30-32	1"1/4	611100132	1"5/8-12 UN	1"5/8-12 UN	52	52
38	1"1/2	38	1"1/2	611100138	1"7/8-12 UN	1"7/8-12 UN	59	59
6	1/4	10	3/8	6111001060610	7/16-20 UNF	9/16-18 UNF	27	27
8	5/16	6	1/4	6111001080806	1/2-20 UNF	7/16-20 UNF	24	24
8	5/16	10	3/8	6111001080810	1/2-20 UNF	9/16-18 UNF	27	27
8	5/16	12	1/2	6111001080812	1/2-20 UNF	3/4-16 UNF	29	31,5
8	5/16	14÷16	5/8	6111001080816	1/2-20 UNF	7/8-14 UNF	31	36,5
10	3/8	6	1/4	6111001101006	9/16-18 UNF	7/16-20 UNF	27	27
10	3/8	8	5/16	6111001101008	9/16-18 UNF	1/2-20 UNF	27	27
10	3/8	12	1/2	6111001101012	9/16-18 UNF	3/4-16 UNF	28	31,5
10	3/8	14÷16	5/8	6111001101016	9/16-18 UNF	7/8-14 UNF	31	36,5
12	1/2	6	1/4	6111001121206	3/4-16 UNF	7/16-20 UNF	32	29
12	1/2	8	5/16	6111001121208	3/4-16 UNF	1/2-20 UNF	32	29
12	1/2	10	3/8	6111001121210	3/4-16 UNF	9/16-18 UNF	32	29
12	1/2	14÷16	5/8	6111001121216	3/4-16 UNF	7/8-14 UNF	34	36,5
14÷16	5/8	6	1/4	6111001161606	7/8-14 UNF	7/16-20 UNF	37	31
14÷16	5/8	8	5/16	6111001161608	7/8-14 UNF	1/2-20 UNF	37	31
14÷16	5/8	10	3/8	6111001161610	7/8-14 UNF	9/16-18 UNF	37	31
14÷16	5/8	18-20	3/4	6111001161620	7/8-14 UNF	1"1/16-12 UN	40	42
14÷16	5/8	25	1"	6111001161625	7/8-14 UNF	1"5/16-12 UN	42	46
18-20	3/4	10	3/8	6111001202010	1"1/16-12 UN	9/16-18 UNF	42	34
18-20	3/4	12	1/2	6111001202012	1"1/16-12 UN	3/4-16 UNF	42	36,5
18-20	3/4	14÷16	5/8	6111001202016	1"1/16-12 UN	7/8-14 UNF	42	39,5
18-20	3/4	22	7/8	6111001202022	1"1/16-12 UN	1"3/16-12 UN	43	44
18-20	3/4	25	1"	6111001202025	1"1/16-12 UN	1"5/16-12 UN	45	46
25	1"	6	1/4	6111001252506	1"5/16-12 UN	7/16-20 UNF	46	46
25	1"	14÷16	5/8	6111001252516	1"5/16-12 UN	7/8-14 UNF	46	42,5
25	1"	18-20	3/4	6111001252520	1"5/16-12 UN	1"1/16-12 UN	46	44,5
25	1"	30-32	1"1/4	6111001252532	1"5/16-12 UN	1"5/8-12 UN	51	52
30-32	1"1/4	10	3/8	6111001323210	1"5/8-12 UN	9/16-18 UNF	52	41
30-32	1"1/4	25	1"	6111001323225	1"5/8-12 UN	1"5/16-12 UN	52	50,5
30-32	1"1/4	38	1"1/2	6111001323238	1"5/8-12 UN	1"7/8-12 UN	56	59
50	2"	50	2"	611100150	2"1/2-12 UN	2"1/2-12 UN	77,5	77,5

6115005

Union cross Male JIC



T		REFERENCE	J	B	A
mm	in				
6	1/4	611500506	7/16-20 UNF	22,5	45
8	5/16	611500508	1/2-20 UNF	24	48
10	3/8	611500510	9/16-18 UNF	27	54
12	1/2	611500512	3/4-16 UNF	31,5	63
14÷16	5/8	611500516	7/8-14 UNF	36,5	73
18-20	3/4	611500520	1"1/16-12 UN	42	84
22	7/8	611500522	1"3/16-12 UN	44	88
25	1"	611500525	1"5/16-12 UN	46	92
30-32	1"1/4	611500532	1"5/8-12 UN	52	104
38	1"1/2	611500538	1"7/8-12 UN	59	118

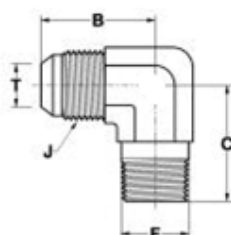
6107051

90° elbow

Male JIC - Male NPTF

taper

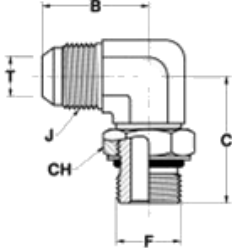
SAE 476 ports



T		REFERENCE	J	F	B	C
mm	in					
6	1/4	61070510610	7/16-20 UNF	1/8-27 NPTF	23	19,5
6	1/4	61070510613	7/16-20 UNF	1/4-18 NPTF	27	27,5
8	5/16	61070510810	1/2-20 UNF	1/8-27 NPTF	24	19,5
8	5/16	61070510813	1/2-20 UNF	1/4-18 NPTF	27	27,5
10	3/8	61070511010	9/16-18 UNF	1/8-27 NPTF	27	23,5
10	3/8	61070511013	9/16-18 UNF	1/4-18 NPTF	27	27,5
10	3/8	61070511017	9/16-18 UNF	3/8-18 NPTF	29	31
10	3/8	61070511021	9/16-18 UNF	1/2-14 NPTF	31	37
12	1/2	61070511213	3/4-16 UNF	1/4-18 NPTF	32	31
12	1/2	61070511217	3/4-16 UNF	3/8-18 NPTF	32	31
12	1/2	61070511221	3/4-16 UNF	1/2-14 NPTF	34	37
12	1/2	61070511226	3/4-16 UNF	3/4-14 NPTF	37	40,5
14÷16	5/8	61070511617	7/8-14 UNF	3/8-18 NPTF	37	32
14÷16	5/8	61070511621	7/8-14 UNF	1/2-14 NPTF	37	37
14÷16	5/8	61070511626	7/8-14 UNF	3/4-14 NPTF	40	40,5
18-20	3/4	61070512021	1"1/16-12 UN	1/2-14 NPTF	42	40,5
18-20	3/4	61070512026	1"1/16-12 UN	3/4-14 NPTF	42	40,5
25	1"	61070512526	1"5/16-12 UN	3/4-14 NPTF	46	45
25	1"	61070512533	1"5/16-12 UN	1"-11 NPTF	46	50
30-32	1"1/4	61070513233	1"5/8-12 UN	1"-11 NPTF	52	59
30-32	1"1/4	61070513242	1"5/8-12 UN	1"1/4-11 NPTF	52	60
38	1"1/2	61070513848	1"7/8-12 UN	1"1/2-11 NPTF	59	67
3	1/8	61070510310	5/16-24 UNF	1/8-27 NPTF	23	19,5
4	3/16	61070510410	3/8-24 UNF	1/8-27 NPTF	23	19,5
6	1/4	61070510617	7/16-20 UNF	3/8-18 NPTF	29	31
8	5/16	61070510817	1/2-20 UNF	3/8-18 NPTF	29	31
10	3/8	61070511026	9/16-18 UNF	3/4-14 NPTF	35	40,5
12	1/2	61070511233	3/4-16 UNF	1"-11 NPTF	40	50
18-20	3/4	61070512017	1"1/16-12 UN	3/8-18 NPTF	42	36
18-20	3/4	61070512033	1"1/16-12 UN	1"-11 NPTF	45	50
25	1"	61070512542	1"5/16-12 UN	1"1/4-11 NPTF	51	60
25	1"	61070512548	1"5/16-12 UN	1"1/2-11 NPTF	55	67
30-32	1"1/4	61070513248	1"5/8-12 UN	1"1/2-11 NPTF	56	67
38	1"1/2	61070513842	1"7/8-12 UN	1"1/4-11 NPTF	59	63
50	2"	61070515048	2"1/2-12 UN	1"1/2-11 NPTF	77,5	75,5
50	2"	61070515060	2"1/2-12 UN	2"-11 NPTF	77,5	76

6107028

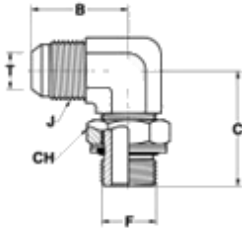
90° (ADJ) elbow Male
JIC - Male SAE UNF-UN
with O.R.
ISO 11926 ports



T		REFERENCE	J	F	B	C	CH
mm	in						
6	1/4	61070280611	7/16-20 UNF	7/16-20 UNF	22,5	27,5	14
6	1/4	61070280612	7/16-20 UNF	1/2-20 UNF	24	28	17
6	1/4	61070280614	7/16-20 UNF	9/16-18 UNF	27	31,5	17
8	5/16	61070280812	1/2-20 UNF	1/2-20 UNF	24	28	17
10	3/8	61070281014	9/16-18 UNF	9/16-18 UNF	27	31,5	17
10	3/8	61070281019	9/16-18 UNF	3/4-16 UNF	29	36,5	22
12	1/2	61070281219	3/4-16 UNF	3/4-16 UNF	32	36,5	22
12	1/2	61070281222	3/4-16 UNF	7/8-14 UNF	34	43	27
12	1/2	61070281227	3/4-16 UNF	1"1/16-12 UN	37	49	32
14÷16	5/8	61070281619	7/8-14 UNF	3/4-16 UNF	37	39,5	22
14÷16	5/8	61070281622	7/8-14 UNF	7/8-14 UNF	37	43	27
14÷16	5/8	61070281627	7/8-14 UNF	1"1/16-12 UN	40	49	32
18-20	3/4	61070282019	1"1/16-12 UN	3/4-16 UNF	42	42	22
18-20	3/4	61070282022	1"1/16-12 UN	7/8-14 UNF	42	45,5	27
18-20	3/4	61070282027	1"1/16-12 UN	1"1/16-12 UN	42	49	32
18-20	3/4	61070282033	1"1/16-12 UN	1"5/16-12 UN	45	52,5	38
22	7/8	61070282230	1"3/16-12 UN	1"3/16-12 UN	44	50,5	35
25	1"	61070282527	1"5/16-12 UN	1"1/16-12 UN	46	52,5	32
25	1"	61070282533	1"5/16-12 UN	1"5/16-12 UN	46	52,5	38
25	1"	61070282541	1"5/16-12 UN	1"5/8-12 UN	51	57	50
30-32	1"1/4	61070283241	1"5/8-12 UN	1"5/8-12 UN	52	57	50
38	1"1/2	61070283848	1"7/8-12 UN	1"7/8-12 UN	59	61	55
6	1/4	61070280619	7/16-20 UNF	3/4-16 UNF	28	36,5	22
6	1/4	61070280622	7/16-20 UNF	7/8-14 UNF	31	43	27
8	5/16	61070280811	1/2-20 UNF	7/16-20 UNF	24	28	14
8	5/16	61070280814	1/2-20 UNF	9/16-18 UNF	27	31,5	17
8	5/16	61070280819	1/2-20 UNF	3/4-16 UNF	29	36,5	22
10	3/8	61070281011	9/16-18 UNF	7/16-20 UNF	27	30	14
10	3/8	61070281012	9/16-18 UNF	1/2-20 UNF	27	30	17
10	3/8	61070281022	9/16-18 UNF	7/8-14 UNF	32	43	27
12	1/2	61070281214	3/4-16 UNF	9/16-18 UNF	32	33,5	17
12	1/2	61070281233	3/4-16 UNF	1"5/16-12 UN	39	52	38
14÷16	5/8	61070281614	7/8-14 UNF	9/16-18 UNF	37	37	17
14÷16	5/8	61070281630	7/8-14 UNF	1"3/16-12 UN	40	50,5	35
18-20	3/4	61070282030	1"1/16-12 UN	1"3/16-12 UN	43	50,5	35
18-20	3/4	61070282041	1"1/16-12 UN	1"5/8-12 UN	50	57	50
22	7/8	61070282222	1"3/16-12 UN	7/8-14 UNF	44	46,5	27
22	7/8	61070282227	1"3/16-12 UN	1"1/16-12 UN	46	50	32
22	7/8	61070282233	1"3/16-12 UN	1"5/16-12 UN	46	52,5	38
25	1"	61070282522	1"5/16-12 UN	7/8-14 UNF	46	48,5	27
25	1"	61070282530	1"5/16-12 UN	1"3/16-12 UN	46	52	35
30-32	1"1/4	61070283233	1"5/8-12 UN	1"5/16-12 UN	52	57	38
30-32	1"1/4	61070283248	1"5/8-12 UN	1"7/8-12 UN	56	61,5	55
38	1"1/2	61070283841	1"7/8-12 UN	1"5/8-12 UN	59	61,5	50

6107039

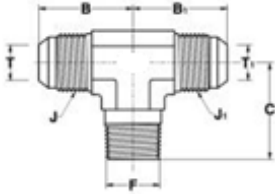
90° (ADJ) elbow
Male JIC - Male BSPP
with O.R. and retaining
ring
ISO 1179 ports



T		REFERENCE	J	F	B	C	CH
mm	in						
6	1/4	61070390610	7/16-20 UNF	G1/8-28	23	26,5	14
6	1/4	61070390613	7/16-20 UNF	G1/4-19	27	31,5	19
6	1/4	61070390617	7/16-20 UNF	G3/8-19	29	36,5	22
6	1/4	61070390621	7/16-20 UNF	G1/2-14	31	43	27
8	5/16	61070390810	1/2-20 UNF	G1/8-28	24	28	14
8	5/16	61070390813	1/2-20 UNF	G1/4-19	27	31,5	19
8	5/16	61070390817	1/2-20 UNF	G3/8-19	29	36,5	22
10	3/8	61070391013	9/16-18 UNF	G1/4-19	27	31,5	19
10	3/8	61070391017	9/16-18 UNF	G3/8-19	29	36,5	22
10	3/8	61070391021	9/16-18 UNF	G1/2-14	31	43	27
12	1/2	61070391213	3/4-16 UNF	G1/4-19	32	33,5	19
12	1/2	61070391217	3/4-16 UNF	G3/8-19	32	36,5	22
12	1/2	61070391221	3/4-16 UNF	G1/2-14	34	43	27
12	1/2	61070391226	3/4-16 UNF	G3/4-14	37	49	36
14÷16	5/8	61070391617	7/8-14 UNF	G3/8-19	37	39,5	22
14÷16	5/8	61070391621	7/8-14 UNF	G1/2-14	37	43	27
14÷16	5/8	61070391626	7/8-14 UNF	G3/4-14	40	49	36
18-20	3/4	61070392021	1"1/16-12 UN	G1/2-14	42	45,5	27
18-20	3/4	61070392026	1"1/16-12 UN	G3/4-14	42	49	36
18-20	3/4	61070392033	1"1/16-12 UN	G1"-11	45	52,5	41
22	7/8	61070392226	1"3/16-12 UN	G3/4-14	44	50,5	36
25	1"	61070392526	1"5/16-12 UN	G3/4-14	46	52,5	36
25	1"	61070392533	1"5/16-12 UN	G1"-11	46	52,5	41
25	1"	61070392542	1"5/16-12 UN	G1"1/4-11	51	57	50
30-32	1"1/4	61070393233	1"5/8-12 UN	G1"-11	52	57	41
30-32	1"1/4	61070393242	1"5/8-12 UN	G1"1/4-11	52	57	50
38	1"1/2	61070393842	1"7/8-12 UN	G1"1/4-11	59	61,5	50
38	1"1/2	61070393848	1"7/8-12 UN	G1"1/2-11	59	61,5	60
8	5/16	61070390821	1/2-20 UNF	G1/2-14	28	43	27
10	3/8	61070391010	9/16-18 UNF	G1/8-28	27	30	14
12	1/2	61070391233	3/4-16 UNF	G1"-11	40	52,5	41
14÷16	5/8	61070391613	7/8-14 UNF	G1/4-19	37	30,5	19
14÷16	5/8	61070391623	7/8-14 UNF	5/8-14	37	43	30
14÷16	5/8	61070391633	7/8-14 UNF	G1"-11	42	52,5	41
18-20	3/4	61070392017	1"1/16-12 UN	G3/8-19	42	42	22
18-20	3/4	61070392023	1"1/16-12 UN	5/8-14	42	48,5	30
18-20	3/4	61070392042	1"1/16-12 UN	G1"1/4-11	49	57	50
22	7/8	61070392221	1"3/16-12 UN	G1/2-14	44	46,5	27
22	7/8	61070392233	1"3/16-12 UN	G1"-11	46	52,5	41
25	1"	61070392521	1"5/16-12 UN	G1/2-14	46	48,5	27
25	1"	61070392548	1"5/16-12 UN	G1"1/2-11	55	61,5	60
30-32	1"1/4	61070393226	1"5/8-12 UN	G3/4-14	52	55,5	36
30-32	1"1/4	61070393248	1"5/8-12 UN	G1"1/2-11	56	61,5	60
38	1"1/2	61070393833	1"7/8-12 UN	G1"-11	59	60,5	41

6111056

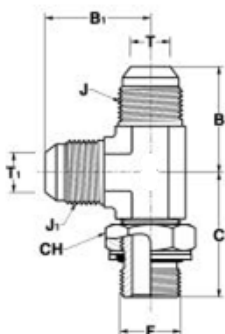
Branch tee
Male JIC - Male NPTF
taper
SAE 476 ports



T		T1		REFERENCE	J	J1	F	B	B1	C
mm	in	mm	in							
6	1/4	6	1/4	61110560610	7/16-20	7/16-20	1/8-27	23	23	19,5
6	1/4	6	1/4	61110560613	7/16-20	7/16-20	1/4-18	27	27	27,5
8	5/16	8	5/16	61110560810	1/2-20	1/2-20	1/8-27	24	24	19,5
8	5/16	8	5/16	61110560813	1/2-20	1/2-20	1/4-18	27	27	27,5
10	3/8	10	3/8	61110561013	9/16-18	9/16-18	1/4-18	27	27	27,5
10	3/8	10	3/8	61110561017	9/16-18	9/16-18	3/8-18	29	29	31
10	3/8	10	3/8	61110561021	9/16-18	9/16-18	1/2-14	31	31	37
12	1/2	12	1/2	61110561213	3/4-16	3/4-16	1/4-18	32	32	31
12	1/2	12	1/2	61110561217	3/4-16	3/4-16	3/8-18	32	32	31
12	1/2	12	1/2	61110561221	3/4-16	3/4-16	1/2-14	34	34	37
12	1/2	12	1/2	61110561226	3/4-16	3/4-16	3/4-14	37	37	40,5
14÷16	5/8	14÷16	5/8	61110561617	7/8-14	7/8-14	3/8-18	37	37	32
14÷16	5/8	14÷16	5/8	61110561621	7/8-14	7/8-14	1/2-14	37	37	37
14÷16	5/8	14÷16	5/8	61110561626	7/8-14	7/8-14	3/4-14	40	40	40,5
18-20	3/4	18-20	3/4	61110562021	1"1/16-12	1"1/16-12	1/2-14	42	42	40,5
18-20	3/4	18-20	3/4	61110562026	1"1/16-12	1"1/16-12	3/4-14	42	42	40,5
22	7/8	22	7/8	61110562226	1"3/16-12	1"3/16-12	3/4-14	44	44	43
25	1"	25	1"	61110562526	1"5/16-12	1"5/16-12	3/4-14	46	46	45
25	1"	25	1"	61110562533	1"5/16-12	1"5/16-12	1"-11	46	46	50
30-32	1"1/4	30-32	1"1/4	61110563233	1"5/8-12	1"5/8-12	1"-11	52	52	59
30-32	1"1/4	30-32	1"1/4	61110563242	1"5/8-12	1"5/8-12	1"1/4-11	52	52	60
38	1"1/2	38	1"1/2	61110563848	1"7/8-12	1"7/8-12	1"1/2-11	59	59	67
10	3/8	10	3/8	6111056101010	9/16-18	9/16-18	1/8-27	27	27	23,5
38	1"1/2	38	1"1/2	6111056383842	1"7/8-12	1"7/8-12	1"1/4-11	59	59	66

6113025

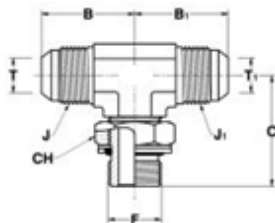
Run (ADJ) tee
Male JIC - Male BSPP
with O.R. and retaining
ring
ISO 1179 ports



T		T1		REFERENCE	J UNF/UN	J1 UNF/UN	F	B	B1	C	CH
mm	in	mm	in								
6	1/4	6	1/4	61130250610	7/16-20	7/16-20	G1/8-28	22,5	22,5	28	14
6	1/4	6	1/4	61130250613	7/16-20	7/16-20	G1/4-19	27	27	32	19
6	1/4	6	1/4	61130250617	7/16-20	7/16-20	G3/8-19	29	28,5	37	22
6	1/4	6	1/4	61130250621	7/16-20	7/16-20	G1/2-14	31	31	43	27
8	5/16	8	5/16	61130250810	1/2-20	1/2-20	G1/8-28	24	24	28	14
8	5/16	8	5/16	61130250813	1/2-20	1/2-20	G1/4-19	27	27	32	19
8	5/16	8	5/16	61130250817	1/2-20	1/2-20	G3/8-19	29	28,5	37	22
10	3/8	10	3/8	61130251013	9/16-18	9/16-18	G1/4-19	27	27	32	19
10	3/8	10	3/8	61130251017	9/16-18	9/16-18	G3/8-19	29	28,5	37	22
10	3/8	10	3/8	61130251021	9/16-18	9/16-18	G1/2-14	31	31	43	27
12	1/2	12	1/2	61130251213	3/4-16	3/4-16	G1/4-19	32	31,5	34	19
12	1/2	12	1/2	61130251217	3/4-16	3/4-16	G3/8-19	32	31,5	37	22
12	1/2	12	1/2	61130251221	3/4-16	3/4-16	G1/2-14	34	34	43	27
12	1/2	12	1/2	61130251226	3/4-16	3/4-16	G3/4-14	37	37	49	36
14÷16	5/8	14÷16	5/8	61130251617	7/8-14	7/8-14	G3/8-19	37	36,5	40	22
14÷16	5/8	14÷16	5/8	61130251621	7/8-14	7/8-14	G1/2-14	37	36,5	43	27
14÷16	5/8	14÷16	5/8	61130251626	7/8-14	7/8-14	G3/4-14	40	39,5	49	36
18-20	3/4	18-20	3/4	61130252021	1"1/16-12	1"1/16-12	G1/2-14	42	42	46	27
18-20	3/4	18-20	3/4	61130252026	1"1/16-12	1"1/16-12	G3/4-14	42	42	49	36
18-20	3/4	18-20	3/4	61130252033	1"1/16-12	1"1/16-12	G1"-11	45	44,5	52	41
22	7/8	22	7/8	61130252226	1"3/16-12	1"3/16-12	G3/4-14	44	44	51	36
25	1"	25	1"	61130252526	1"5/16-12	1"5/16-12	G3/4-14	46	46	52	36
25	1"	25	1"	61130252533	1"5/16-12	1"5/16-12	G1"-11	46	46	52	41
25	1"	25	1"	61130252542	1"5/16-12	1"5/16-12	G1"1/4-11	51	51	57	50
30-32	1"1/4	30-32	1"1/4	61130253233	1"5/8-12	1"5/8-12	G1"-11	52	52	57	41
30-32	1"1/4	30-32	1"1/4	61130253242	1"5/8-12	1"5/8-12	G1"1/4-11	52	52	57	50
38	1"1/2	38	1"1/2	61130253842	1"7/8-12	1"7/8-12	G1"1/4-11	59	59	60	50
38	1"1/2	38	1"1/2	61130253848	1"7/8-12	1"7/8-12	G1"1/2-11	59	59	61	60
6	1/4	10	3/8	6113025061310	7/16-20	9/16-18	G1/4-19	27	27	32	19
6	1/4	10	3/8	6113025062110	7/16-20	9/16-18	G1/2-14	31	31	43	27
8	5/16	8	5/16	6113025082108	1/2-20	1/2-20	G1/2-14	31	31	43	27
10	3/8	10	3/8	6113025101010	9/16-18	9/16-18	G1/8-28	27	27	30	14
10	3/8	12	1/2	6113025101712	9/16-18	3/4-16	G3/8-19	29	31,5	37	22
10	3/8	6	1/4	6113025102106	9/16-18	7/16-20	G1/2-14	31	31	43	27
10	3/8	10	3/8	6113025103310	9/16-18	9/16-18	G1"-11	37	37	52	41
12	1/2	6	1/4	6113025121706	3/4-16	7/16-20	G3/8-19	32	29	37	22
12	1/2	30-32	1"1/4	6113025124832	3/4-16	1"5/8-12	G1"1/2-11	48	56	61	60
14÷16	5/8	14÷16	5/8	6113025161316	7/8-14	7/8-14	G1/4-19	37	36,5	37	19
14÷16	5/8	14÷16	5/8	6113025163316	7/8-14	7/8-14	G1"-11	43	42,5	52	41
14÷16	5/8	18-20	3/4	6113025163320	7/8-14	1"1/16-12	G1"-11	43	44	52	41
18-20	3/4	22	7/8	6113025202622	1"1/16-12	1"3/16-12	G3/4-14	44	44	51	36
18-20	3/4	18-20	3/4	6113025204220	1"1/16-12	1"1/16-12	G1"1/4-11	50	49,5	58	50
18-20	3/4	38	1"1/2	6113025204838	1"1/16-12	1"7/8-12	G1"1/2-11	54	59	61	60
22	7/8	14÷16	5/8	6113025222616	1"3/16-12	7/8-14	G3/4-14	44	41	51	36
25	1"	12	1/2	6113025252612	1"5/16-12	3/4-16	G3/4-14	46	39,5	52	36
25	1"	18-20	3/4	6113025253320	1"5/16-12	1"1/16-12	G1"-11	46	44	52	41
25	1"	14÷16	5/8	6113025254216	1"5/16-12	7/8-14	G1"1/4-11	51	47	57	50
38	1"1/2	25	1"	6113025384225	1"7/8-12	1"5/16-12	G1"1/4-11	59	54,5	60	50
38	1"1/2	25	1"	SA113025-384825	1"7/8-12	1"5/16-12	G1"1/2-11	59	54,5	61	60

6111034

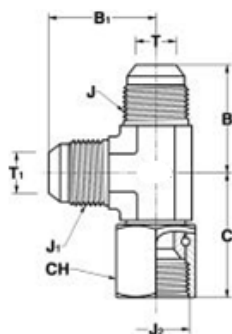
Branch (ADJ) tee
Male JIC - Male BSPP
with O.R. and retaining
ring
ISO 1179 ports



T		T1		REFERENCE	J UNF/UN	J1 UNF/UN	F	B	B1	C	CH
mm	in	mm	in								
6	1/4	6	1/4	61110340610	7/16-20	7/16-20	G1/8-28	23	23	26	14
6	1/4	6	1/4	61110340613	7/16-20	7/16-20	G1/4-19	27	27	31,5	19
6	1/4	6	1/4	61110340617	7/16-20	7/16-20	G3/8-19	29	29	36,5	22
6	1/4	6	1/4	61110340621	7/16-20	7/16-20	G1/2-14	31	31	43	27
8	5/16	8	5/16	61110340810	1/2-20	1/2-20	G1/8-28	24	24	28,5	14
8	5/16	8	5/16	61110340813	1/2-20	1/2-20	G1/4-19	27	27	31,5	19
8	5/16	8	5/16	61110340817	1/2-20	1/2-20	G3/8-19	29	29	36,5	22
10	3/8	10	3/8	61110341013	9/16-18	9/16-18	G1/4-19	27	27	31,5	19
10	3/8	10	3/8	61110341017	9/16-18	9/16-18	G3/8-19	29	29	36,5	22
10	3/8	10	3/8	61110341021	9/16-18	9/16-18	G1/2-14	31	31	43	27
12	1/2	12	1/2	61110341213	3/4-16	3/4-16	G1/4-19	32	32	33,5	19
12	1/2	12	1/2	61110341217	3/4-16	3/4-16	G3/8-19	32	32	36,5	22
12	1/2	12	1/2	61110341221	3/4-16	3/4-16	G1/2-14	34	34	43	27
12	1/2	12	1/2	61110341226	3/4-16	3/4-16	G3/4-14	37	37	49	36
14÷16	5/8	14÷16	5/8	61110341617	7/8-14	7/8-14	G3/8-19	37	37	39,5	22
14÷16	5/8	14÷16	5/8	61110341621	7/8-14	7/8-14	G1/2-14	37	37	43	27
14÷16	5/8	14÷16	5/8	61110341626	7/8-14	7/8-14	G3/4-14	40	40	49	36
18-20	3/4	18-20	3/4	61110342021	1"1/16-12	1"1/16-12	G1/2-14	42	42	45,5	27
18-20	3/4	18-20	3/4	61110342026	1"1/16-12	1"1/16-12	G3/4-14	42	42	49	36
18-20	3/4	18-20	3/4	61110342033	1"1/16-12	1"1/16-12	G1"-11	45	45	52	41
22	7/8	22	7/8	61110342226	1"3/16-12	1"3/16-12	G3/4-14	44	44	50,5	36
25	1"	25	1"	61110342526	1"5/16-12	1"5/16-12	G3/4-14	46	46	52	36
25	1"	25	1"	61110342533	1"5/16-12	1"5/16-12	G1"-11	46	46	52	41
25	1"	25	1"	61110342542	1"5/16-12	1"5/16-12	G1"1/4-11	51	51	57	50
30-32	1"1/4	30-32	1"1/4	61110343233	1"5/8-12	1"5/8-12	G1"-11	52	52	57	41
30-32	1"1/4	30-32	1"1/4	61110343242	1"5/8-12	1"5/8-12	G1"1/4-11	52	52	57	50
38	1"1/2	38	1"1/2	61110343842	1"7/8-12	1"7/8-12	G1"1/4-11	59	59	61	50
38	1"1/2	38	1"1/2	61110343848	1"7/8-12	1"7/8-12	G1"1/2-11	59	59	61	60
8	5/16	8	5/16	6111034080821	1/2-20	1/2-20	G1/2-14	31	31	43	27
8	5/16	18-20	3/4	6111034082021	1/2-20	1"1/16-12	G1/2-14	34	42	45,5	27
10	3/8	8	5/16	6111034100813	9/16-18	1/2-20	G1/4-19	27	27	31,5	19
10	3/8	10	3/8	6111034101026	9/16-18	9/16-18	G3/4-14	35	35	49	36
10	3/8	14÷16	5/8	6111034101621	9/16-18	7/8-14	G1/2-14	32	37	43	27
10	3/8	18-20	3/4	6111034102021	9/16-18	1"1/16-12	G1/2-14	35	42	45,5	27
12	1/2	6	1/4	6111034120617	3/4-16	7/16-20	G3/8-19	32	29	36,5	22
14÷16	5/8	8	5/16	6111034160821	7/8-14	1/2-20	G1/2-14	37	31	43	27
14÷16	5/8	12	1/2	6111034161217	7/8-14	3/4-16	G3/8-19	37	34	39,5	22
18-20	3/4	18-20	3/4	6111034202017	1"1/16-12	1"1/16-12	G3/8-19	42	42	42	22
25	1"	38	1"1/2	6111034253848	1"5/16-12	1"7/8-12	G1"1/2-11	55	59	61	60
30-32	1"1/4	30-32	1"1/4	61110343226	1"5/8-12	1"5/8-12	G3/4-14	52	52	54,5	36

6113003

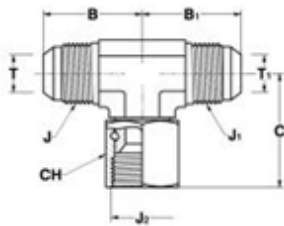
Swivel nut run tee
Male JIC - Female JIC



T		T1		REFERENCE	J	J1	J2	B	B1	C	CH
mm	in	mm	in		UNF/UN	UNF/UN	UNF/UN				
6	1/4	6	1/4	611300306	7/16-20	7/16-20	7/16-20	22,5	22,5	26,5	14
8	5/16	8	5/16	611300308	1/2-20	1/2-20	1/2-20	24	24	29	17
10	3/8	10	3/8	611300310	9/16-18	9/16-18	9/16-18	27	27	32	17
12	1/2	12	1/2	611300312	3/4-16	3/4-16	3/4-16	32	31,5	35,5	22
14÷16	5/8	14÷16	5/8	611300316	7/8-14	7/8-14	7/8-14	37	36,5	42	27
18-20	3/4	18-20	3/4	611300320	1"1/16-12	1"1/16-12	1"1/16-12	42	42	45,5	32
22	7/8	22	7/8	611300322	1"3/16-12	1"3/16-12	1"3/16-12	44	44	46,5	36
25	1"	25	1"	611300325	1"5/16-12	1"5/16-12	1"5/16-12	46	46	51,5	38
30-32	1"1/4	30-32	1"1/4	611300332	1"5/8-12	1"5/8-12	1"5/8-12	52	52	59,5	50
38	1"1/2	38	1"1/2	611300338	1"7/8-12	1"7/8-12	1"7/8-12	59	59	67	57
6	1/4	10	3/8	6113003060610	7/16-20	9/16-18	7/16-20	27	27	29	14
6	1/4	6	1/4	6113003061006	7/16-20	7/16-20	9/16-18	27	27	32	17
8	5/16	6	1/4	6113003080806	1/2-20	7/16-20	1/2-20	24	24	29	17
8	5/16	8	5/16	6113003081008	1/2-20	1/2-20	9/16-18	27	27	32	17
10	3/8	6	1/4	6113003101006	9/16-18	7/16-20	9/16-18	27	27	32	17
10	3/8	6	1/4	6113003101206	9/16-18	7/16-20	3/4-16	29	29	35,5	22
10	3/8	12	1/2	6113003101212	9/16-18	3/4-16	3/4-16	29	31,5	35,5	22
10	3/8	18-20	3/4	6113003102020	9/16-18	1"1/16-12	1"1/16-12	34	42	45,5	32
12	1/2	6	1/4	6113003121206	3/4-16	7/16-20	3/4-16	32	29	35,5	22
12	1/2	10	3/8	6113003121210	3/4-16	9/16-18	3/4-16	32	29	35,5	22
12	1/2	25	1"	6113003121225	3/4-16	1"5/16-12	3/4-16	40	46	44,5	22
14÷16	5/8	10	3/8	6113003161610	7/8-14	9/16-18	7/8-14	37	31	42	27
14÷16	5/8	12	1/2	6113003161612	7/8-14	3/4-16	7/8-14	37	34	42	27
14÷16	5/8	18-20	3/4	6113003161620	7/8-14	1"1/16-12	7/8-14	40	42	44	27
14÷16	5/8	14÷16	5/8	6113003162016	7/8-14	7/8-14	1"1/16-12	40	39,5	45,5	32
14÷16	5/8	25	1"	6113003162525	7/8-14	1"5/16-12	1"5/16-12	43	46	51,5	38
18-20	3/4	12	1/2	6113003201212	1"1/16-12	3/4-16	3/4-16	42	36,5	41	22
18-20	3/4	18-20	3/4	6113003201620	1"1/16-12	1"1/16-12	7/8-14	42	42	44	27
18-20	3/4	6	1/4	6113003202006	1"1/16-12	7/16-20	1"1/16-12	42	34	45,5	32
18-20	3/4	12	1/2	6113003202012	1"1/16-12	3/4-16	1"1/16-12	42	36,5	45,5	32
18-20	3/4	14÷16	5/8	6113003202016	1"1/16-12	7/8-14	1"1/16-12	42	39,5	45,5	32
18-20	3/4	25	1"	6113003202025	1"1/16-12	1"5/16-12	1"1/16-12	45	46	49	32
18-20	3/4	18-20	3/4	6113003202520	1"1/16-12	1"1/16-12	1"5/16-12	45	45	51,5	38
25	1"	10	3/8	6113003252510	1"5/16-12	9/16-18	1"5/16-12	46	37	51,5	38
25	1"	14÷16	5/8	6113003252516	1"5/16-12	7/8-14	1"5/16-12	46	42	51,5	38
25	1"	18-20	3/4	6113003252520	1"5/16-12	1"1/16-12	1"5/16-12	46	44,5	51,5	38
30-32	1"1/4	18-20	3/4	6113003323220	1"5/8-12	1"1/16-12	1"5/8-12	52	49,5	59,5	50
30-32	1"1/4	25	1"	6113003323225	1"5/8-12	1"5/16-12	1"5/8-12	52	52	59,5	50
30-32	1"1/4	38	1"1/2	6113003323238	1"5/8-12	1"7/8-12	1"5/8-12	56	59	61,5	50
38	1"1/2	30-32	1"1/4	6113003383232	1"7/8-12	1"5/8-12	1"5/8-12	59	56	61,5	50
38	1"1/2	25	1"	6113003383825	1"7/8-12	1"5/16-12	1"7/8-12	59	54,5	67	57

6111012

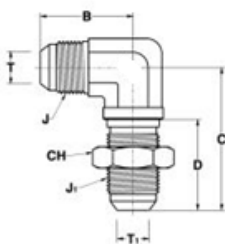
Swivel nut branch tee
Male JIC



T		T1		REFERENCE	J	J1	J2	B	B1	C	CH
mm	in	mm	in								
6	1/4	6	1/4	611101206	7/16-20	7/16-20	7/16-20	23	23	26	14
8	5/16	8	5/16	611101208	1/2-20	1/2-20	1/2-20	24	24	28	17
10	3/8	10	3/8	611101210	9/16-18	9/16-18	9/16-18	27	27	32	17
12	1/2	12	1/2	611101212	3/4-16	3/4-16	3/4-16	32	32	35,5	22
14÷16	5/8	14÷16	5/8	611101216	7/8-14	7/8-14	7/8-14	37	37	42	27
18-20	3/4	18-20	3/4	611101220	1"1/16-12	1"1/16-12	1"1/16-12	42	42	45,5	32
22	7/8	22	7/8	611101222	1"3/16-12	1"3/16-12	1"3/16-12	44	44	46,5	36
25	1"	25	1"	611101225	1"5/16-12	1"5/16-12	1"5/16-12	46	46	51,5	38
30-32	1"1/4	30-32	1"1/4	611101232	1"5/8-12	1"5/8-12	1"5/8-12	52	52	59,5	50
38	1"1/2	38	1"1/2	611101238	1"7/8-12	1"7/8-12	1"7/8-12	59	59	67	57
8	5/16	8	5/16	6111012080810	1/2-20	1/2-20	9/16-18	27	27	32	17
10	3/8	12	1/2	6111012101212	9/16-18	3/4-16	3/4-16	29	32	35,5	22
12	1/2	12	1/2	6111012121220	3/4-16	3/4-16	1"1/16-12	37	37	45,5	32
12	1/2	14÷16	5/8	6111012121612	3/4-16	7/8-14	3/4-16	34	37	39	22
14÷16	5/8	10	3/8	6111012161016	7/8-14	9/16-18	7/8-14	37	32	42	27
14÷16	5/8	12	1/2	6111012161216	7/8-14	3/4-16	7/8-14	37	34	42	27
14÷16	5/8	14÷16	5/8	6111012161612	7/8-14	7/8-14	3/4-16	37	37	39	22
14÷16	5/8	14÷16	5/8	6111012161620	7/8-14	7/8-14	1"1/16-12	40	40	45,5	32
14÷16	5/8	25	1"	6111012162520	7/8-14	1"5/16-12	1"1/16-12	43	46	49	32
18-20	3/4	14÷16	5/8	6111012201616	1"1/16-12	7/8-14	7/8-14	42	40	44	27
18-20	3/4	14÷16	5/8	6111012201620	1"1/16-12	7/8-14	1"1/16-12	42	40	45,5	32
18-20	3/4	18-20	3/4	6111012202012	1"1/16-12	1"1/16-12	3/4-16	42	42	41	22
18-20	3/4	18-20	3/4	6111012202016	1"1/16-12	1"1/16-12	7/8-14	42	42	44	27
18-20	3/4	18-20	3/4	6111012202025	1"1/16-12	1"1/16-12	1"5/16-12	45	45	51,5	38
18-20	3/4	25	1"	6111012202520	1"1/16-12	1"5/16-12	1"1/16-12	45	46	49	32
18-20	3/4	25	1"	6111012202525	1"1/16-12	1"5/16-12	1"5/16-12	45	46	51,5	38
25	1"	14÷16	5/8	6111012251625	1"5/16-12	7/8-14	1"5/16-12	46	42	51,5	38
25	1"	25	1"	6111012252516	1"5/16-12	1"5/16-12	7/8-14	46	46	47,5	27
25	1"	25	1"	6111012252520	1"5/16-12	1"5/16-12	1"1/16-12	46	46	49	32
30-32	1"1/4	25	1"	6111012322532	1"5/8-12	1"5/16-12	1"5/8-12	52	51	59,5	50
30-32	1"1/4	30-32	1"1/4	6111012323225	1"5/8-12	1"5/8-12	1"5/16-12	52	52	57	38
38	1"1/2	25	1"	6111012382538	1"7/8-12	1"5/16-12	1"7/8-12	59	55	65	57

6108007

90° bulkhead elbow
Male JIC – JIC

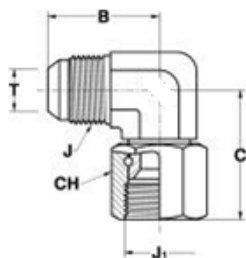


T		T1		REFERENCE	J	J1	B	C	CH	D
mm	in	mm	in							
6	1/4	6	1/4	610800706	7/16-20 UNF	7/16-20 UNF	25	40,5	17	28,5
8	5/16	8	5/16	610800708	1/2-20 UNF	1/2-20 UNF	26	41	19	28,5
10	3/8	10	3/8	610800710	9/16-18 UNF	9/16-18 UNF	28	46	22	30
12	1/2	12	1/2	610800712	3/4-16 UNF	3/4-16 UNF	35	53,5	24	35
14÷16	5/8	14÷16	5/8	610800716	7/8-14 UNF	7/8-14 UNF	40	60,5	30	38,5
18-20	3/4	18-20	3/4	610800720	1"1/16-12 UN	1"1/16-12 UN	45	68	36	42,5
22	7/8	22	7/8	610800722	1"3/16-12 UN	1"3/16-12 UN	47	69	38	42,5
25	1"	25	1"	610800725	1"5/16-12 UN	1"5/16-12 UN	49	71	41	42,5
30-32	1"1/4	30-32	1"1/4	610800732	1"5/8-12 UN	1"5/8-12 UN	55	79	50	44
38	1"1/2	38	1"1/2	610800738	1"7/8-12 UN	1"7/8-12 UN	59	87	55	44

6107017

90° elbow

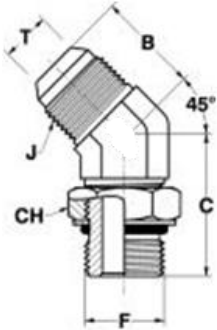
Male - swivel Female JIC



T		REFERENCE	J	J1	B	C	CH
mm	in						
6	1/4	610701706	7/16-20 UNF	7/16-20 UNF	23	26	14
8	5/16	610701708	1/2-20 UNF	1/2-20 UNF	24	29,5	17
10	3/8	610701710	9/16-18 UNF	9/16-18 UNF	27	32	17
12	1/2	610701712	3/4-16 UNF	3/4-16 UNF	32	35,5	22
14÷16	5/8	610701716	7/8-14 UNF	7/8-14 UNF	37	42	27
18-20	3/4	610701720	1"1/16-12 UN	1"1/16-12 UN	42	45,5	32
25	1"	610701725	1"5/16-12 UN	1"5/16-12 UN	46	51,5	38
30-32	1"1/4	610701732	1"5/8-12 UN	1"5/8-12 UN	52	59,5	50
38	1"1/2	610701738	1"7/8-12 UN	1"7/8-12 UN	59	67	57
10	3/8	61070171008	9/16-18 UNF	1/2-20 UNF	27	31	17
12	1/2	61070171210	3/4-16 UNF	9/16-18 UNF	32	34	17
14÷16	5/8	61070171612	7/8-14 UNF	3/4-16 UNF	37	39	22
14÷16	5/8	61070171620	7/8-14 UNF	1"1/16-12 UN	40	45,5	32
18-20	3/4	61070172012	1"1/16-12 UN	3/4-16 UNF	42	41	22
18-20	3/4	61070172022	1"1/16-12 UN	1"3/16-12 UN	44	46,5	36
18-20	3/4	61070172025	1"1/16-12 UN	1"5/16-12 UN	45	51,5	38
18-20	3/4	61070172032	1"1/16-12 UN	1"5/8-12 UN	50	59,5	50
25	1"	61070172532	1"5/16-12 UN	1"5/8-12 UN	51	59,5	50
30-32	1"1/4	61070173225	1"5/8-12 UN	1"5/16-12 UN	52	57	38
50	2"	610701750	2"1/2-12 UN	2"1/2-12 UN	78	86	75

6105015

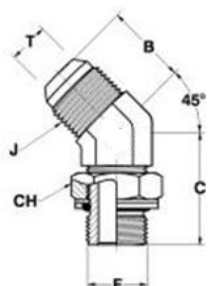
45° (ADJ) elbow
Male JIC - Male SAE
UNF-UN with O.R.
ISO 11926 ports



T		REFERENCE	J	F	B	C	CH
mm	in						
6	1/4	61050150611	7/16-20 UNF	7/16-20 UNF	18	26,5	14
6	1/4	61050150612	7/16-20 UNF	1/2-20 UNF	19,5	26,5	17
6	1/4	61050150614	7/16-20 UNF	9/16-18 UNF	21	29	17
8	5/16	61050150812	1/2-20 UNF	1/2-20 UNF	19,5	26,5	17
10	3/8	61050151014	9/16-18 UNF	9/16-18 UNF	21	29	17
10	3/8	61050151019	9/16-18 UNF	3/4-16 UNF	22	33	22
12	1/2	61050151219	3/4-16 UNF	3/4-16 UNF	25	33	22
12	1/2	61050151222	3/4-16 UNF	7/8-14 UNF	26	38,5	27
12	1/2	61050151227	3/4-16 UNF	1"1/16-12 UN	28	44	32
14÷16	5/8	61050151619	7/8-14 UNF	3/4-16 UNF	28	35	22
14÷16	5/8	61050151622	7/8-14 UNF	7/8-14 UNF	28	38,5	27
14÷16	5/8	61050151627	7/8-14 UNF	1"1/16-12 UN	30	44	32
18-20	3/4	61050152019	1"1/16-12 UN	3/4-16 UNF	33	37	22
18-20	3/4	61050152022	1"1/16-12 UN	7/8-14 UNF	33	40,5	27
18-20	3/4	61050152027	1"1/16-12 UN	1"1/16-12 UN	33	44	32
18-20	3/4	61050152033	1"1/16-12 UN	1"5/16-12 UN	36	47	38
22	7/8	61050152230	1"3/16-12 UN	1"3/16-12 UN	35	45,5	35
25	1"	61050152527	1"5/16-12 UN	1"1/16-12 UN	37	47	32
25	1"	61050152533	1"5/16-12 UN	1"5/16-12 UN	37	47	38
25	1"	61050152541	1"5/16-12 UN	1"5/8-12 UN	39	48,5	50
30-32	1"1/4	61050153241	1"5/8-12 UN	1"5/8-12 UN	41	48,5	50
38	1"1/2	61050153848	1"7/8-12 UN	1"7/8-12 UN	45	48,5	55
8	5/16	61050150814	1/2-20 UNF	9/16-18 UNF	21	29	17
10	3/8	61050151011	9/16-18 UNF	7/16-20 UNF	21	27,5	14
10	3/8	61050151012	9/16-18 UNF	1/2-20 UNF	21	27,5	17
12	1/2	61050151214	3/4-16 UNF	9/16-18 UNF	25	30	17
30-32	1"1/4	61050153233	1"5/8-12 UN	1"5/16-12 UN	41	48,5	38

6105026

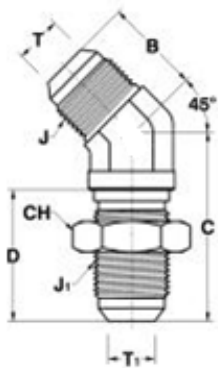
45° (ADJ) elbow
Male JIC - Male BSPP
with O.R. and retaining
ring
ISO 1179 ports



T		REFERENCE	J	F	B	C	CH
mm	in						
6	1/4	61050260610	7/16-20 UNF	G1/8-28	18	26,5	14
6	1/4	61050260613	7/16-20 UNF	G1/4-19	21	29	19
6	1/4	61050260617	7/16-20 UNF	G3/8-19	22	33	22
6	1/4	61050260621	7/16-20 UNF	G1/2-14	23	38,5	27
8	5/16	61050260810	1/2-20 UNF	G1/8-28	19,5	26,5	14
8	5/16	61050260813	1/2-20 UNF	G1/4-19	21	29	19
8	5/16	61050260817	1/2-20 UNF	G3/8-19	22	33	22
10	3/8	61050261013	9/16-18 UNF	G1/4-19	21	29	19
10	3/8	61050261017	9/16-18 UNF	G3/8-19	22	33	22
10	3/8	61050261021	9/16-18 UNF	G1/2-14	23	38,5	27
12	1/2	61050261213	3/4-16 UNF	G1/4-19	25	30	19
12	1/2	61050261217	3/4-16 UNF	G3/8-19	25	33	22
12	1/2	61050261221	3/4-16 UNF	G1/2-14	26	38,5	27
12	1/2	61050261226	3/4-16 UNF	G3/4-14	28	44	36
14÷16	5/8	61050261617	7/8-14 UNF	G3/8-19	28	35	22
14÷16	5/8	61050261621	7/8-14 UNF	G1/2-14	28	38,5	27
14÷16	5/8	61050261626	7/8-14 UNF	G3/4-14	30	44	36
18-20	3/4	61050262021	1"1/16-12 UN	G1/2-14	33	40,5	27
18-20	3/4	61050262026	1"1/16-12 UN	G3/4-14	33	44	36
18-20	3/4	61050262033	1"1/16-12 UN	G1"-11	36	47	41
22	7/8	61050262226	1"3/16-12 UN	G3/4-14	35	45,5	36
25	1"	61050262526	1"5/16-12 UN	G3/4-14	37	47	36
25	1"	61050262533	1"5/16-12 UN	G1"-11	37	47	41
25	1"	61050262542	1"5/16-12 UN	G1"1/4-11	39	48,5	50
30-32	1"1/4	61050263233	1"5/8-12 UN	G1"-11	41	48,5	41
30-32	1"1/4	61050263242	1"5/8-12 UN	G1"1/4-11	41	48,5	50
38	1"1/2	61050263842	1"7/8-12 UN	G1"1/4-11	45	48,5	50
38	1"1/2	61050263848	1"7/8-12 UN	G1"1/2-11	45	48,5	60
10	3/8	61050261026	9/16-18 UNF	G3/4-14	25	44	36
18-20	3/4	61050262023	1"1/16-12 UN	5/8-14	33	40,5	30

6106005

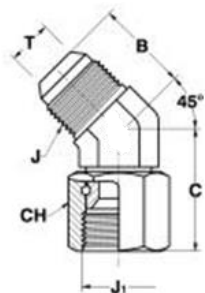
45° bulkhead elbow
Male JIC – JIC



T		T1		REFERENCE	J	J1	B	C	CH	D
mm	in	mm	in							
6	1/4	6	1/4	610600506	7/16-20 UNF	7/16-20 UNF	18	39	17	28,5
8	5/16	8	5/16	610600508	1/2-20 UNF	1/2-20 UNF	20	39	19	28,5
10	3/8	10	3/8	610600510	9/16-18 UNF	9/16-18 UNF	21	42,5	22	30
12	1/2	12	1/2	610600512	3/4-16 UNF	3/4-16 UNF	25	49	24	35
14÷16	5/8	14÷16	5/8	610600516	7/8-14 UNF	7/8-14 UNF	28	55	30	38,5
18-20	3/4	18-20	3/4	610600520	1"1/16-12 UN	1"1/16-12 UN	33	62	36	42,5
22	7/8	22	7/8	610600522	1"3/16-12 UN	1"3/16-12 UN	35	63,5	38	42,5
25	1"	25	1"	610600525	1"5/16-12 UN	1"5/16-12 UN	37	65	41	42,5
30-32	1"1/4	30-32	1"1/4	610600532	1"5/8-12 UN	1"5/8-12 UN	41	67	50	44
38	1"1/2	38	1"1/2	610600538	1"7/8-12 UN	1"7/8-12 UN	45	67,5	55	44

6105004

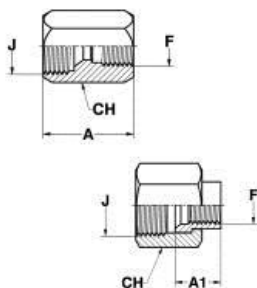
45° elbow union
Male - swivel Female JIC



T		REFERENCE	J	J1	B	C	CH
mm	in						
6	1/4	610500406	7/16-20 UNF	7/16-20 UNF	18	24,5	14
8	5/16	610500408	1/2-20 UNF	1/2-20 UNF	20	26,5	17
10	3/8	610500410	9/16-18 UNF	9/16-18 UNF	21	29,5	17
12	1/2	610500412	3/4-16 UNF	3/4-16 UNF	25	32	22
14÷16	5/8	610500416	7/8-14 UNF	7/8-14 UNF	28	37	27
18-20	3/4	610500420	1"1/16-12 UN	1"1/16-12 UN	33	38,5	32
22	7/8	610500422	1"3/16-12 UN	1"3/16-12 UN	35	42	36
25	1"	610500425	1"5/16-12 UN	1"5/16-12 UN	37	45	38
30-32	1"1/4	610500432	1"5/8-12 UN	1"5/8-12 UN	41	51,5	50
38	1"1/2	610500438	1"7/8-12 UN	1"7/8-12 UN	45	57,5	57
50	2"	610500450	2"1/2-12 UN	2"1/2-12 UN	56,5	74	75
10	3/8	61050041008	9/16-18 UNF	1/2-20 UNF	21	28,5	17

6102298

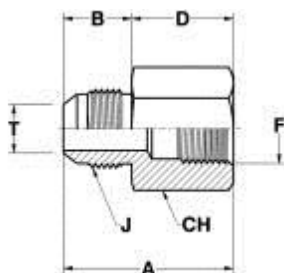
Manometer connector
Female JIC - Male BSPP



REFERENCE	J	F	A	A1	CH
61022980613	7/16-20 UNF	G1/4-19	30	-	19
61022980813	1/2-20 UNF	G1/4-19	29	-	19
61022981013	9/16-18 UNF	G1/4-19	30	-	19
61022981213	3/4-16 UNF	G1/4-19	32	-	22
61022981613	7/8-14 UNF	G1/4-19	-	17	27
61022982013	1"1/16-12 UN	G1/4-19	-	18	32
61022982213	1"3/16-12 UN	G1/4-19	-	19	36
61022982513	1"5/16-12 UN	G1/4-19	-	20	38
61022983213	1"5/8-12 UN	G1/4-19	-	20	50
61022983813	1"7/8-12 UN	G1/4-19	-	24	57

6102133

Adapter
Male JIC - Female NPTF taper



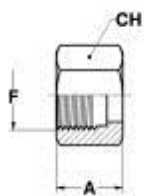
T		REFERENCE	J	F	A	B	D	CH
mm	in							
6	1/4	61021330610	7/16-20 UNF	1/8-27 NPTF	30	14	16	14
6	1/4	61021330613	7/16-20 UNF	1/4-18 NPTF	35,5	14	21,5	19
8	5/16	61021330810	1/2-20 UNF	1/8-27 NPTF	30	14	16	14
8	5/16	61021330813	1/2-20 UNF	1/4-18 NPTF	35,5	14	21,5	19
10	3/8	61021331013	9/16-18 UNF	1/4-18 NPTF	35,5	14	21,5	19
10	3/8	61021331017	9/16-18 UNF	3/8-18 NPTF	36,5	14	22,5	22
12	1/2	61021331213	3/4-16 UNF	1/4-18 NPTF	38,5	17	21,5	22
12	1/2	61021331217	3/4-16 UNF	3/8-18 NPTF	39,5	17	22,5	22
12	1/2	61021331221	3/4-16 UNF	1/2-14 NPTF	45,5	17	28,5	30
14÷16	5/8	61021331621	7/8-14 UNF	1/2-14 NPTF	48	19,5	28,5	30
18-20	3/4	61021332021	1"1/16-12 UN	1/2-14 NPTF	50,5	22	28,5	30
18-20	3/4	61021332026	1"1/16-12 UN	3/4-14 NPTF	52,5	22	30,5	35
22	7/8	61021332226	1"3/16-12 UN	3/4-14 NPTF	53	22,5	30,5	35
25	1"	61021332533	1"5/16-12 UN	1"-11 NPTF	59,5	23	36,5	41
30-32	1"1/4	6102133242	1"5/8-12 UN	1"1/4-11 NPTF	63	24,5	38,5	50
38	1"1/2	61021333848	1"7/8-12 UN	1"1/2-11 NPTF	66,5	27,5	39	60
6	1/4	61021330621	7/16-20 UNF	1/2-14 NPTF	43	14	29	27
10	3/8	61021331021	9/16-18 UNF	1/2-14 NPTF	42,5	14	28,5	30
18-20	3/4	61021332033	1"1/16-12 UN	1"-11 NPTF	58,5	22	36,5	41

CONNECTORS O-RING FACE SEAL (ORFS)

ISO 8434-3, SAE J1453

6501013

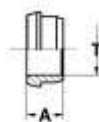
Nut



T	REFERENCE	F	A	CH
mm				
6	650101306	9/16-18 UNF	14,5	19
8-10	650101310	11/16-16 UN	17,0	22
12	650101312	13/16-16 UN	21,0	27
14÷16	650101316	1"-14 UNS	23,5	30
18-20	650101320	1"3/16-12 UN	26,0	36
22-25	650101325	1"7/16-12 UN	28,0	41
28÷32	650101332	1"11/16-12 UN	28,0	50
35-38	650101338	2"-12 UN	28,0	57

6501112

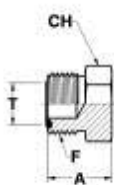
Sleeve



T	REFERENCE	A
mm		
6	650111206	8,5
10	650111210	9,5
8	65011121008	9,5
12	650111212	11,5
16	650111216	11,5
14	65011121614	11,5
15	65011121615	11,5
20	650111220	13
18	65011122018	13
25	650111225	14,5
22	65011122522	14,5
32	650111232	14
28	65011123228	14
30	65011123230	14
38	650111238	13,5
35	65011123835	13,5

6501024

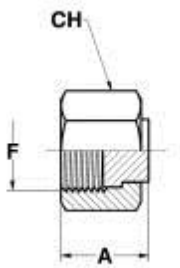
Male plug ORFS



T		REFERENCE	F	A	CH
mm	in				
6	1/4	650102406	9/16-18 UNF	16,5	17
8-10	5/16-3/8	650102410	11/16-16 UN	19	19
12	1/2	650102412	13/16-16 UN	22	22
14÷16	5/8	650102416	1"-14 UNS	26	27
18-20	3/4	650102420	1"3/16-12 UN	27,5	32
22-25	7/8-1"	650102425	1"7/16-12 UN	28	41
28÷32	1"1/4	650102432	1"11/16-12 UN	28	46
35-38	1"1/2	650102438	2"-12 UN	28	55

6501035

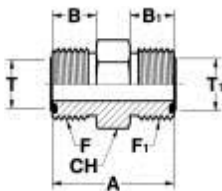
Female plug ORFS



T		REFERENCE	F	A	CH
mm	in				
6	1/4	650103506	9/16-18 UNF	16	17
8-10	5/16-3/8	650103510	11/16-16 UN	18	22
12	1/2	650103512	13/16-16 UN	22	24
14÷16	5/8	650103516	1"-14 UNS	25,5	30
18-20	3/4	650103520	1"3/16-12 UN	27	36
22-25	7/8-1"	650103525	1"7/16-12 UN	29	41
28÷32	1"1/4	650103532	1"11/16-12 UN	29	50
35-38	1"1/2	650103538	2"-12 UN	29	57

6502003

Union
Male ORFS – ORFS



T		T1		REFERENCE	F	F1	A	B	B1	CH
mm	in	mm	in							
6	1/4	6	1/4	650200306	9/16-18 UNF	9/16-18 UNF	27,5	10	10	17
8-10	5/16-3/8	8-10	5/16-3/8	650200310	11/16-16 UN	11/16-16 UN	31	11	11	19
8-10	5/16-3/8	6	1/4	65020031006	11/16-16 UN	9/16-18 UNF	29,5	11	10	19
12	1/2	12	1/2	650200312	13/16-16 UN	13/16-16 UN	35,5	13	13	22
12	1/2	8-10	5/16-3/8	65020031210	13/16-16 UN	11/16-16 UN	33,5	13	11	22
14÷16	5/8	14÷16	5/8	650200316	1"-14 UNS	1"-14 UNS	42,5	15,5	15,5	27
14÷16	5/8	12	1/2	65020031612	1"-14 UNS	13/16-16 UN	38	15,5	13	27
18-20	3/4	18-20	3/4	650200320	1"3/16-12 UN	1"3/16-12 UN	47	17	17	32
18-20	3/4	14÷16	5/8	65020032016	1"3/16-12 UN	1"-14 UNS	44	17	15,5	32
22-25	7/8-1"	22-25	7/8-1"	650200325	1"7/16-12 UN	1"7/16-12 UN	49,5	17,5	17,5	41
22-25	7/8-1"	18-20	3/4	65020032520	1"7/16-12 UN	1"3/16-12 UN	48	17,5	17	41
28÷32	1"1/4	28÷32	1"1/4	650200332	1"11/16-12 UN	1"11/16-12 UN	51,5	17,5	17,5	46
28÷32	1"1/4	22-25	7/8-1"	65020033225	1"11/16-12 UN	1"7/16-12 UN	50	17,5	17,5	46
35-38	1"1/2	35-38	1"1/2	650200338	2"-12 UN	2"-12 UN	53	17,5	17,5	55
14÷16	5/8	8-10	5/16-3/8	65020031610	1"-14 UNS	11/16-16 UN	38	15,5	11	27
18-20	3/4	8-10	5/16-3/8	65020032010	1"3/16-12 UN	11/16-16 UN	41,5	17	11	32
18-20	3/4	12	1/2	65020032012	1"3/16-12 UN	13/16-16 UN	43	17	13	32
22-25	7/8-1"	14÷16	5/8	65020032516	1"7/16-12 UN	1"-14 UNS	47,5	17,5	15,5	41
28÷32	1"1/4	14÷16	5/8	65020033216	1"11/16-12 UN	1"-14 UNS	49,5	17,5	15,5	46
35-38	1"1/2	14÷16	5/8	65020033816	2"-12 UN	1"-14 UNS	51	17,5	15,5	55
35-38	1"1/2	18-20	3/4	65020033820	2"-12 UN	1"3/16-12 UN	52,5	17,5	17	55
35-38	1"1/2	28÷32	1"1/4	65020033832	2"-12 UN	1"11/16-12 UN	53	17,5	17,5	55

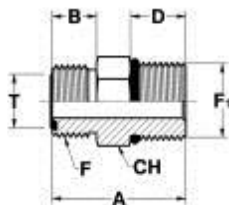
6502014

Connector

Male ORFS - Male SAE

UNF-UN with O.R.

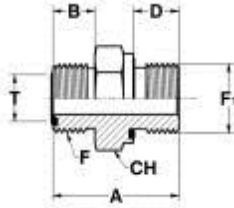
ISO 11926 ports



T		REFERENCE	F	F1	A	B	D	CH
mm	in							
6	1/4	65020140611	9/16-18 UNF	7/16-20 UNF	28,7	10	11	16
6	1/4	65020140614	9/16-18 UNF	9/16-18 UNF	30,3	10	12	19
8-10	5/16-3/8	65020141014	11/16-16 UN	9/16-18 UNF	31,9	11	12	19
8-10	5/16-3/8	65020141019	11/16-16 UN	3/4-16 UNF	35	11	14	22
12	1/2	65020141214	13/16-16 UN	9/16-18 UNF	37,5	13	12	22
12	1/2	65020141219	13/16-16 UN	3/4-16 UNF	36,6	13	14	22
12	1/2	65020141222	13/16-16 UN	7/8-14 UNF	40,5	13	16	27
14÷16	5/8	65020141619	1"-14 UNS	3/4-16 UNF	45,2	15,5	14	27
14÷16	5/8	65020141622	1"-14 UNS	7/8-14 UNF	43,1	15,5	16	27
14÷16	5/8	65020141627	1"-14 UNS	1"1/16-12 UN	47	15,5	18,5	32
18-20	3/4	65020142027	1"3/16-12 UN	1"1/16-12 UN	48,6	17	18,5	32
18-20	3/4	65020142033	1"3/16-12 UN	1"5/16-12 UN	50	17	18,5	38
22-25	7/8-1"	65020142527	1"7/16-12 UN	1"1/16-12 UN	54,3	17,5	18,5	38
22-25	7/8-1"	65020142533	1"7/16-12 UN	1"5/16-12 UN	50,3	17,5	18,5	38
22-25	7/8-1"	65020142541	1"7/16-12 UN	1"5/8-12 UN	52,3	17,5	18,5	48
28÷32	1"1/4	65020143241	1"11/16-12 UN	1"5/8-12 UN	52,3	17,5	18,5	48
35-38	1"1/2	65020143848	2"-12 UN	1"7/8-12 UN	54	17,5	18,5	55
6	1/4	65020140609	9/16-18 UNF	3/8-24 UNF	27	10	9,5	16
6	1/4	65020140612	9/16-18 UNF	1/2-20 UNF	26	10	9,5	16
6	1/4	65020140619	9/16-18 UNF	3/4-16 UNF	33,6	10	14	22
6	1/4	65020140627	9/16-18 UNF	1"1/16-12 UN	41,5	10	18,5	32
6	1/4	65020140641	9/16-18 UNF	1"5/8-12 UN	44,6	10	18,5	48
8-10	5/16-3/8	65020141011	11/16-16 UN	7/16-20 UNF	34	11	11	19
8-10	5/16-3/8	65020141012	11/16-16 UN	1/2-20 UNF	31,5	11	11	19
8-10	5/16-3/8	65020141022	11/16-16 UN	7/8-14 UNF	39	11	16	27
8-10	5/16-3/8	65020141027	11/16-16 UN	1"1/16-12 UN	42,2	11	18,5	32
12	1/2	65020141211	13/16-16 UN	7/16-20 UNF	36,5	13	11	22
12	1/2	65020141227	13/16-16 UN	1"1/16-12 UN	44,3	13	18,5	32
12	1/2	65020141230	13/16-16 UN	1"3/16-12 UN	40	13	15,5	35
12	1/2	65020141233	13/16-16 UN	1"5/16-12 UN	45,6	13	18,5	38
14÷16	5/8	65020141614	1"-14 UNS	9/16-18 UNF	41,7	15,5	12	27
14÷16	5/8	65020141633	1"-14 UNS	1"5/16-12 UN	48	15,5	18,5	38
18-20	3/4	65020142014	1"3/16-12 UN	9/16-18 UNF	45	17	12	32
18-20	3/4	65020142019	1"3/16-12 UN	3/4-16 UNF	48,5	17	14	32
18-20	3/4	65020142022	1"3/16-12 UN	7/8-14 UNF	50,5	17	16	32
18-20	3/4	65020142041	1"3/16-12 UN	1"5/8-12 UN	51,8	17	18,5	48
22-25	7/8-1"	65020142519	1"7/16-12 UN	3/4-16 UNF	49,8	17,5	14	38
22-25	7/8-1"	65020142522	1"7/16-12 UN	7/8-14 UNF	51,8	17,5	16	38
22-25	7/8-1"	65020142530	1"7/16-12 UN	1"3/16-12 UN	46	17,5	15,5	38
28÷32	1"1/4	65020143219	1"11/16-12 UN	3/4-16 UNF	51,8	17,5	14	46
28÷32	1"1/4	65020143227	1"11/16-12 UN	1"1/16-12 UN	56	17,5	18,5	46
28÷32	1"1/4	65020143233	1"11/16-12 UN	1"5/16-12 UN	57	17,5	18,5	46
28÷32	1"1/4	65020143248	1"11/16-12 UN	1"7/8-12 UN	54	17,5	18,5	55
35-38	1"1/2	65020143827	2"-12 UN	1"1/16-12 UN	56,3	17,5	18,5	55
35-38	1"1/2	65020143841	2"-12 UN	1"5/8-12 UN	59,6	17,5	18,5	55
35-38	1"1/2	65020143863	2"-12 UN	2"1/2-12 UN	54	17,5	18,5	70

6502146

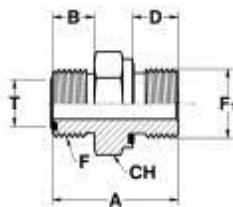
Connector
Male ORFS - Male BSPP
with elastomer seal
ISO 1179 ports



T		REFERENCE	F	F1	A	B	D	CH
mm	in							
6	1/4	65021460610	9/16-18 UNF	G1/8-28	26	10	8	17
6	1/4	65021460613	9/16-18 UNF	G1/4-19	30,5	10	12	19
8-10	5/16-3/8	65021461013	11/16-16 UN	G1/4-19	31,5	11	12	19
8-10	5/16-3/8	65021461017	11/16-16 UN	G3/8-19	33,5	11	12	22
8-10	5/16-3/8	65021461021	11/16-16 UN	G1/2-14	37	11	14	27
12	1/2	65021461217	13/16-16 UN	G3/8-19	34,5	13	12	22
12	1/2	65021461221	13/16-16 UN	G1/2-14	38,5	13	14	27
14÷16	5/8	65021461617	1"-14 UNS	G3/8-19	43	15,5	12	27
14÷16	5/8	65021461621	1"-14 UNS	G1/2-14	41	15,5	14	27
14÷16	5/8	65021461626	1"-14 UNS	G3/4-14	44,5	15,5	16	32
18-20	3/4	65021462021	1"3/16-12 UN	G1/2-14	44	17	14	32
18-20	3/4	65021462026	1"3/16-12 UN	G3/4-14	46	17	16	32
18-20	3/4	65021462033	1"3/16-12 UN	G1"-11	49,5	17	18	41
22-25	7/8-1"	65021462526	1"7/16-12 UN	G3/4-14	52	17,5	16	38
22-25	7/8-1"	65021462533	1"7/16-12 UN	G1"-11	50	17,5	18	41
22-25	7/8-1"	65021462542	1"7/16-12 UN	G1"1/4-11	53,5	17,5	20	50
28÷32	1"1/4	65021463233	1"11/16-12 UN	G1"-11	57	17,5	18	46
28÷32	1"1/4	65021463242	1"11/16-12 UN	G1"1/4-11	54	17,5	20	50
28÷32	1"1/4	65021463248	1"11/16-12 UN	G1"1/2-11	57,5	17,5	22	55
35-38	1"1/2	65021463842	2"-12 UN	G1"1/4-11	55,5	17,5	20	55
35-38	1"1/2	65021463848	2"-12 UN	G1"1/2-11	57,5	17,5	22	55
6	1/4	65021460617	9/16-18 UNF	G3/8-19	32	10	12	22
6	1/4	65021460621	9/16-18 UNF	G1/2-14	35,5	10	14	27
8-10	5/16-3/8	65021461010	11/16-16 UN	G1/8-28	27,5	11	8	19
8-10	5/16-3/8	65021461026	11/16-16 UN	G3/4-14	40,5	11	16	32
12	1/2	65021461213	13/16-16 UN	G1/4-19	36,5	13	12	22
12	1/2	65021461226	13/16-16 UN	G3/4-14	42	13	16	32
14÷16	5/8	65021461633	1"-14 UNS	G1"-11	48	15,5	18	41
18-20	3/4	65021462042	1"3/16-12 UN	G1"1/4-11	53	17	20	50
18-20	3/4	65021462048	1"3/16-12 UN	G1"1/2-11	57	17	22	55
22-25	7/8-1"	65021462548	1"7/16-12 UN	G1"1/2-11	57,5	17,5	22	55
28÷32	1"1/4	65021463226	1"11/16-12 UN	G3/4-14	50	17,5	16	46

6502157

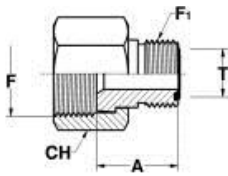
Connector
Male ORFS - Male
Metric with elastomer
seal
ISO 9974 ports



T		REFERENCE	F	F1	A	B	D	CH
mm	in							
6	1/4	65021570610	9/16-18 UNF	M10x1	26	10	8	17
6	1/4	65021570612	9/16-18 UNF	M12x1,5	30	10	12	17
8-10	5/16-3/8	65021571014	11/16-16 UN	M14x1,5	32	11	12	19
8-10	5/16-3/8	65021571016	11/16-16 UN	M16x1,5	32	11	12	22
12	1/2	65021571218	13/16-16 UN	M18x1,5	34,5	13	12	24
12	1/2	65021571222	13/16-16 UN	M22x1,5	38,5	13	14	27
14÷16	5/8	65021571622	1"-14 UNS	M22x1,5	41	15,5	14	27
14÷16	5/8	65021571627	1"-14 UNS	M27x2	44,5	15,5	16	32
18-20	3/4	65021572026	1"3/16-12 UN	M26x1,5	46	17	16	32
18-20	3/4	65021572027	1"3/16-12 UN	M27x2	46	17	16	32
18-20	3/4	65021572033	1"3/16-12 UN	M33x2	49,5	17	18	41
22-25	7/8-1"	65021572533	1"7/16-12 UN	M33x2	50	17,5	18	41
22-25	7/8-1"	65021572542	1"7/16-12 UN	M42x2	53,5	17,5	20	50
28÷32	1"1/4	65021573233	1"11/16-12 UN	M33x2	52	17,5	18	46
28÷32	1"1/4	65021573242	1"11/16-12 UN	M42x2	54	17,5	20	50
28÷32	1"1/4	65021573248	1"11/16-12 UN	M48x2	57,5	17,5	22	55
35-38	1"1/2	65021573848	2"-12 UN	M48x2	57,5	17,5	22	55
6	1/4	65021570614	9/16-18 UNF	M14x1,5	30,5	10	12	19
8-10	5/16-3/8	65021571012	11/16-16 UN	M12x1,5	32	11	12	19
8-10	5/16-3/8	65021571018	11/16-16 UN	M18x1,5	33	11	12	24
8-10	5/16-3/8	65021571022	11/16-16 UN	M22x1,5	37	11	14	27
12	1/2	65021571214	13/16-16 UN	M14x1,5	34,5	13	12	22
12	1/2	65021571216	13/16-16 UN	M16x1,5	34,5	13	12	22
14÷16	5/8	65021571618	1"-14 UNS	M18x1,5	39	15,5	12	27
18-20	3/4	65021572018	1"3/16-12 UN	M18x1,5	42	17	12	32
18-20	3/4	65021572022	1"3/16-12 UN	M22x1,5	44	17	14	32
22-25	7/8-1"	65021572527	1"7/16-12 UN	M27x2	48	17,5	16	38

6502069

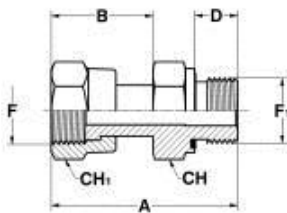
Reducing
Female - Male ORFS



T		REFERENCE	F	F1	A	CH
mm	in					
12	1/2	65020691206	13/16-16 UN	9/16-18 UNF	22	24
14÷16	5/8	65020691606	1"-14 UNS	9/16-18 UNF	23	30
14÷16	5/8	65020691610	1"-14 UNS	11/16-16 UN	24,5	30
14÷16	5/8	65020691612	1"-14 UNS	13/16-16 UN	26	30
18-20	3/4	65020692010	1"3/16-12 UN	11/16-16 UN	27	36
18-20	3/4	65020692012	1"3/16-12 UN	13/16-16 UN	28	36
22-25	7/8-1"	65020692512	1"7/16-12 UN	13/16-16 UN	29,5	41
22-25	7/8-1"	65020692516	1"7/16-12 UN	1"-14 UNS	32	41
28÷32	1"1/4	65020693220	1"11/16-12 UN	1"3/16-12 UN	34	50
35-38	1"1/2	65020693825	2"-12 UN	1"7/16-12 UN	34	57
35-38	1"1/2	65020693832	2"-12 UN	1"11/16-12 UN	34	57
8-10	5/16-3/8	65020691006	11/16-16 UN	9/16-18 UNF	19,5	22
12	1/2	65020691210	13/16-16 UN	11/16-16 UN	22,5	24
18-20	3/4	65020692006	1"3/16-12 UN	9/16-18 UNF	25	36
18-20	3/4	65020692016	1"3/16-12 UN	1"-14 UNS	43	36
18-20	3/4	65020692020	1"3/16-12 UN	1"3/16-12 UN	44	36
22-25	7/8-1"	65020692506	1"7/16-12 UN	9/16-18 UNF	27	41
22-25	7/8-1"	65020692510	1"7/16-12 UN	11/16-16 UN	28	41
22-25	7/8-1"	65020692520	1"7/16-12 UN	1"3/16-12 UN	34	41
28÷32	1"1/4	65020693216	1"11/16-12 UN	1"-14 UNS	32	50
28÷32	1"1/4	65020693225	1"11/16-12 UN	1"7/16-12 UN	34	50
35-38	1"1/2	65020693812	2"-12 UN	13/16-16 UN	29	57
35-38	1"1/2	65020693816	2"-12 UN	1"-14 UNS	32	57
35-38	1"1/2	65020693820	2"-12 UN	1"3/16-12 UN	33	57

6502168

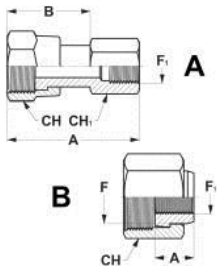
Connector swivel nut
ORFS - Male BSPP with
elastomer seal
ISO 1179 ports



T		REFERENCE	F	F1	A	B	D	CH	CH1
mm	in								
6	1/4	65021680610	9/16-18 UNF	G1/8-28	42	23,5	8	14	17
6	1/4	65021680613	9/16-18 UNF	G1/4-19	46	23,5	12	19	17
8-10	5/16-3/8	65021681013	11/16-16 UN	G1/4-19	49,5	28	12	19	22
8-10	5/16-3/8	65021681017	11/16-16 UN	G3/8-19	49,5	28	12	22	22
8-10	5/16-3/8	65021681021	11/16-16 UN	G1/2-14	54	28	14	27	22
12	1/2	65021681217	13/16-16 UN	G3/8-19	58,5	33	12	22	24
12	1/2	65021681221	13/16-16 UN	G1/2-14	60,5	33	14	27	24
14÷16	5/8	65021681617	1"-14 UNS	G3/8-19	63	37,5	12	24	30
14÷16	5/8	65021681621	1"-14 UNS	G1/2-14	65,5	37,5	14	27	30
14÷16	5/8	65021681626	1"-14 UNS	G3/4-14	67,5	37,5	16	32	30
18-20	3/4	65021682026	1"3/16-12 UN	G3/4-14	71,5	41,5	16	32	36
18-20	3/4	65021682033	1"3/16-12 UN	G1"-11	79,5	41,5	18	41	36
22-25	7/8-1"	65021682526	1"7/16-12 UN	G3/4-14	80	43,5	16	36	41
22-25	7/8-1"	65021682533	1"7/16-12 UN	G1"-11	82	43,5	18	41	41
22-25	7/8-1"	65021682542	1"7/16-12 UN	G1"1/4-11	84	43,5	20	50	41
28÷32	1"1/4	65021683233	1"11/16-12 UN	G1"-11	84	44	18	41	50
28÷32	1"1/4	65021683242	1"11/16-12 UN	G1"1/4-11	84	44	20	50	50
28÷32	1"1/4	65021683248	1"11/16-12 UN	G1"1/2-11	86	44	22	55	50
35-38	1"1/2	65021683848	2"-12 UN	G1"1/2-11	86	44	22	55	57
6	1/4	65021680617	9/16-18 UNF	G3/8-19	45	23,5	12	22	17
12	1/2	65021681213	13/16-16 UN	G1/4-19	56	33	12	22	24
22-25	7/8-1"	65021682521	1"7/16-12 UN	G1/2-14	78	43,5	14	36	41

6502212

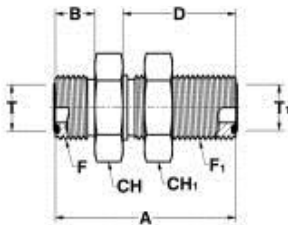
Straight connector
swivel nut ORFS -
pressure test port BSPP



T		REFERENCE	F	F1	FORMA	A	B	CH	CH1
mm	in								
6	1/4	65022120610	9/16-18 UNF	G1/8-28	A	29	15,5	17	14
6	1/4	65022120613	9/16-18 UNF	G1/4-19	A	38	15,5	17	19
8-10	5/16-3/8	65022121013	11/16-16 UN	G1/4-19	A	38	18,5	22	19
12	1/2	65022121213	13/16-16 UN	G1/4-19	A	41,5	22	24	19
14÷16	5/8	65022121613	1"-14 UNS	G1/4-19	B	15,5		30	
18-20	3/4	65022122013	1"3/16-12 UN	G1/4-19	B	14		36	
22-25	7/8-1"	65022122513	1"7/16-12 UN	G1/4-19	B	15,5		41	
28÷32	1"1/4	65022123213	1"11/16-12 UN	G1/4-19	B	14		50	

6503000

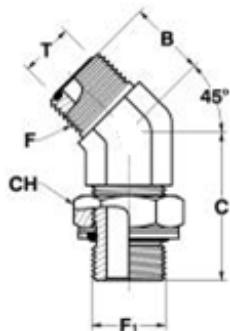
Bulkhead union
Male ORFS – ORFS



T		T1		REFERENCE	F UN – F/S	F1 UN – F/S	A	B	D	CH	CH1
mm	in	mm	in								
6	1/4	6	1/4	650300006	9/16-18	9/16-18	48	10	31,5	22	22
8-10	5/16-3/8	8-10	5/16-3/8	650300010	11/16-16	11/16-16	53	11	34	27	27
12	1/2	12	1/2	650300012	13/16-16	13/16-16	58,5	13	36,5	30	30
14÷16	5/8	14÷16	5/8	650300016	1"-14	1"-14	66,5	15,5	40,5	36	36
18-20	3/4	18-20	3/4	650300020	1"3/16-12	1"3/16-12	69	17	41,5	41	41
22-25	7/8-1"	22-25	7/8-1"	650300025	1"7/16-12	1"7/16-12	70	17,5	42	46	46
28÷32	1"1/4	28÷32	1"1/4	650300032	1"11/16-12	1"11/16-12	70	17,5	42	50	50
35-38	1"1/2	35-38	1"1/2	650300038	2"-12	2"-12	70	17,5	42	60	60
14÷16	5/8	12	1/2	65030001612	1"-14	13/16-16	62,5	15,5	36,5	36	30
18-20	3/4	22-25	7/8-1"	65030002025	1"3/16-12	1"7/16-12	69,5	17	42	46	46

6505018

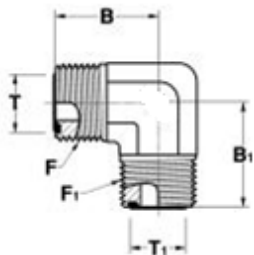
45° (ADJ) elbow
Male ORFS - Male BSPP
with O.R. and retaining
ring
ISO 1179 ports



T		REFERENCE	F	F1	B	C	CH
mm	in						
6	1/4	65050180610	9/16-18 UNF	G1/8-28	16	28	14
6	1/4	65050180613	9/16-18 UNF	G1/4-19	18	31	19
8-10	5/16-3/8	65050181013	11/16-16 UN	G1/4-19	19	32	19
8-10	5/16-3/8	65050181017	11/16-16 UN	G3/8-19	19	33	24
8-10	5/16-3/8	65050181021	11/16-16 UN	G1/2-14	20	43	27
12	1/2	65050181217	13/16-16 UN	G3/8-19	21	33,5	24
14÷16	5/8	65050181621	1"-14 UNS	G1/2-14	23,5	42	27
14÷16	5/8	65050181626	1"-14 UNS	G3/4-14	25	46,5	36
18-20	3/4	65050182026	1"3/16-12 UN	G3/4-14	26	50	36
18-20	3/4	65050182033	1"3/16-12 UN	G1"-11	30	52,5	41
22-25	7/8-1"	65050182533	1"7/16-12 UN	G1"-11	30	52,5	41
28÷32	1"1/4	65050183242	1"11/16-12 UN	G1"1/4-11	32	53,5	50
35-38	1"1/2	65050183848	2"-12 UN	G1"1/2-11	37	53,5	60
6	1/4	65050180617	9/16-18 UNF	G3/8-19	19	33	24
12	1/2	65050181221	13/16-16 UN	G1/2-14	22	42	27
12	1/2	65050181226	13/16-16 UN	G3/4-14	22	46,5	36
14÷16	5/8	65050181633	1"-14 UNS	G1"-11	28	52,5	41
14÷16	5/8	65050181642	1"-14 UNS	G1"1/4-11	32	53,5	50
18-20	3/4	65050182021	1"3/16-12 UN	G1/2-14	29	46	27
22-25	7/8-1"	65050182526	1"7/16-12 UN	G3/4-14	30	51	36
22-25	7/8-1"	65050182542	1"7/16-12 UN	G1"1/4-11	34	53,5	50
28÷32	1"1/4	65050183233	1"11/16-12 UN	G1"-11	32	48,5	41

6507009

90° elbow
Male ORFS – ORFS

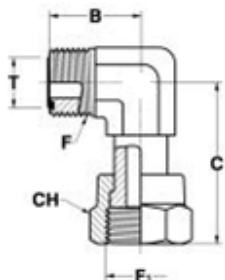


T		T1		REFERENCE	F	F1	B	B1
mm	in	mm	in					
6	1/4	6	1/4	650700906	9/16-18 UNF	9/16-18 UNF	22	21,5
8-10	5/16-3/8	8-10	5/16-3/8	650700910	11/16-16 UN	11/16-16 UN	25	25
12	1/2	12	1/2	650700912	13/16-16 UN	13/16-16 UN	28	28
14÷16	5/8	14÷16	5/8	650700916	1"-14 UNS	1"-14 UNS	33,5	33,5
18-20	3/4	18-20	3/4	650700920	1"3/16-12 UN	1"3/16-12 UN	37,5	37,5
22-25	7/8-1"	22-25	7/8-1"	650700925	1"7/16-12 UN	1"7/16-12 UN	42	42
28÷32	1"1/4	28÷32	1"1/4	650700932	1"11/16-12 UN	1"11/16-12 UN	45	45
35-38	1"1/2	35-38	1"1/2	650700938	2"-12 UN	2"-12 UN	49	49
22-25	7/8-1"	18-20	3/4	65070092520	1"7/16-12 UN	1"3/16-12 UN	42	41

6507010

90° elbow

Male ORFS - swivel nut
ORFS

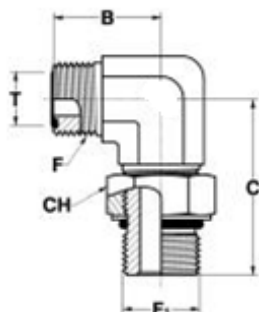


T		REFERENCE	F	F1	B	C	CH
mm	in						
6	1/4	650701006	9/16-18 UNF	9/16-18 UNF	22	34,5	17
8-10	5/16-3/8	650701010	11/16-16 UN	11/16-16 UN	25	40	22
12	1/2	650701012	13/16-16 UN	13/16-16 UN	28	49	24
14÷16	5/8	650701016	1"-14 UNS	1"-14 UNS	33,5	54,5	30
18-20	3/4	650701020	1"3/16-12 UN	1"3/16-12 UN	37,5	60	36
22-25	7/8-1"	650701025	1"7/16-12 UN	1"7/16-12 UN	42	68,5	41
28÷32	1"1/4	650701032	1"11/16-12 UN	1"11/16-12 UN	45	73,5	50
35-38	1"1/2	650701038	2"-12 UN	2"-12 UN	49	76	57
8-10	5/16-3/8	65070101006	11/16-16 UN	9/16-18 UNF	25	36	17
28÷32	1"1/4	65070103225	1"11/16-12 UN	1"7/16-12 UN	45	72	41

6507021

90° (ADJ) elbow

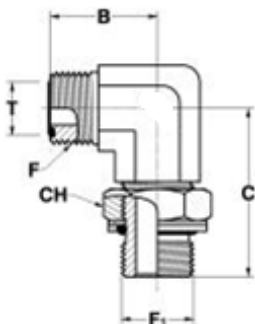
Male ORFS - Male SAE
UNF-UN with O.R.
ISO 11926 ports



T		REFERENCE	F	F1	B	C	CH
mm	in						
6	1/4	65070210611	9/16-18 UNF	7/16-20 UNF	22	32,5	16
6	1/4	65070210614	9/16-18 UNF	9/16-18 UNF	24	37	19
8-10	5/16-3/8	65070211011	11/16-16 UN	7/16-20 UNF	25	35	16
8-10	5/16-3/8	65070211014	11/16-16 UN	9/16-18 UNF	25	37	19
8-10	5/16-3/8	65070211019	11/16-16 UN	3/4-16 UNF	27	40,5	24
12	1/2	65070211214	13/16-16 UN	9/16-18 UNF	28	36,5	19
12	1/2	65070211219	13/16-16 UN	3/4-16 UNF	28	40,5	24
12	1/2	65070211222	13/16-16 UN	7/8-14 UNF	31	50	27
14÷16	5/8	65070211619	1"-14 UNS	3/4-16 UNF	34	46	24
14÷16	5/8	65070211622	1"-14 UNS	7/8-14 UNF	33,5	50	27
14÷16	5/8	65070211627	1"-14 UNS	1"1/16-12 UN	36	55	35
18-20	3/4	65070212022	1"3/16-12 UN	7/8-14 UNF	37,5	51	27
18-20	3/4	65070212027	1"3/16-12 UN	1"1/16-12 UN	37,5	55	41
18-20	3/4	65070212033	1"3/16-12 UN	1"5/16-12 UN	41,5	60	41
22-25	7/8-1"	65070212527	1"7/16-12 UN	1"1/16-12 UN	42	59	35
22-25	7/8-1"	65070212533	1"7/16-12 UN	1"5/16-12 UN	42	60	41
22-25	7/8-1"	65070212541	1"7/16-12 UN	1"5/8-12 UN	45	62	50
28÷32	1"1/4	65070213233	1"11/16-12 UN	1"5/16-12 UN	45	62,5	41
28÷32	1"1/4	65070213241	1"11/16-12 UN	1"5/8-12 UN	45	62	50
28÷32	1"1/4	65070213248	1"11/16-12 UN	1"7/8-12 UN	49	66	55
35-38	1"1/2	65070213848	2"-12 UN	1"7/8-12 UN	49	66	55
6	1/4	65070210619	9/16-18 UNF	3/4-16 UNF	25	40,5	24
6	1/4	65070210622	9/16-18 UNF	7/8-14 UNF	28	50	27
8-10	5/16-3/8	65070211012	11/16-16 UN	1/2-20 UNF	25	35	16
8-10	5/16-3/8	65070211022	11/16-16 UN	7/8-14 UNF	30	50	27
12	1/2	65070211211	13/16-16 UN	7/16-20 UNF	28	34,5	16
12	1/2	65070211227	13/16-16 UN	1"1/16-12 UN	34	55	35
14÷16	5/8	65070211614	1"-14 UNS	9/16-18 UNF	33,5	41,5	19
14÷16	5/8	65070211633	1"-14 UNS	1"5/16-12 UN	40	60	41
18-20	3/4	65070212019	1"3/16-12 UN	3/4-16 UNF	37,5	47	24
35-38	1"1/2	65070213841	2"-12 UN	1"5/8-12 UN	49	66	50

6507032

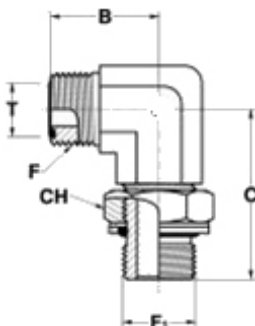
90° (ADJ) elbow
Male ORFS - Male BSPP
with O.R. and retaining
ring
ISO 1179 ports



T		REFERENCE	F	F1	B	C	CH
mm	in						
6	1/4	65070320610	9/16-18 UNF	G1/8-28	22	30	14
6	1/4	65070320613	9/16-18 UNF	G1/4-19	24	35	19
6	1/4	65070320617	9/16-18 UNF	G3/8-19	25	38	24
8-10	5/16-3/8	65070321013	11/16-16 UN	G1/4-19	25	36	19
8-10	5/16-3/8	65070321017	11/16-16 UN	G3/8-19	27	38	24
8-10	5/16-3/8	65070321021	11/16-16 UN	G1/2-14	30	50	27
12	1/2	65070321213	13/16-16 UN	G1/4-19	28	35	19
12	1/2	65070321217	13/16-16 UN	G3/8-19	28	40,5	24
12	1/2	65070321221	13/16-16 UN	G1/2-14	31	48	27
14÷16	5/8	65070321617	1"-14 UNS	G3/8-19	35	43	24
14÷16	5/8	65070321621	1"-14 UNS	G1/2-14	33,5	48	27
14÷16	5/8	65070321626	1"-14 UNS	G3/4-14	36	51,5	36
14÷16	5/8	65070321633	1"-14 UNS	G1"-11	40	58	41
18-20	3/4	65070322021	1"3/16-12 UN	G1/2-14	38	49	27
18-20	3/4	65070322026	1"3/16-12 UN	G3/4-14	37,5	51,5	36
18-20	3/4	65070322033	1"3/16-12 UN	G1"-11	42	58	41
22-25	7/8-1"	65070322526	1"7/16-12 UN	G3/4-14	42	56	36
22-25	7/8-1"	65070322533	1"7/16-12 UN	G1"-11	42	58	41
22-25	7/8-1"	65070322542	1"7/16-12 UN	G1"1/4-11	45	60,5	50

6507043

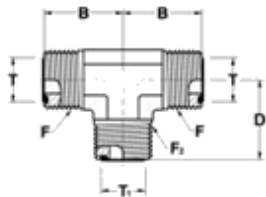
90° (ADJ) elbow
Male ORFS - Male
Metric with O.R. and
retaining ring
ISO 9974 ports



T		REFERENCE	F	F1	B	C	CH
mm	in						
6	1/4	65070430610	9/16-18 UNF	M10x1	22	32.5	14
6	1/4	65070430612	9/16-18 UNF	M12x1,5	22	32.5	17
8-10	5/16-3/8	65070431014	11/16-16 UN	M14x1,5	25	37	19
8-10	5/16-3/8	65070431016	11/16-16 UN	M16x1,5	25	37	22
12	1/2	65070431218	13/16-16 UN	M18x1,5	28	40.5	24
12	1/2	65070431222	13/16-16 UN	M22x1,5	31	50	27
14÷16	5/8	65070431622	1"-14 UNS	M22x1,5	34	50	27
14÷16	5/8	65070431626	1"-14 UNS	M26x1,5	36	49	36
14÷16	5/8	65070431627	1"-14 UNS	M27x2	36	51.5	32
18-20	3/4	65070432027	1"3/16-12 UN	M27x2	38	55	32
18-20	3/4	65070432033	1"3/16-12 UN	M33x2	42	60	41
22-25	7/8-1"	65070432533	1"7/16-12 UN	M33x2	42	60	41
22-25	7/8-1"	65070432542	1"7/16-12 UN	M42x2	45	62	50
28÷32	1"1/4	65070433242	1"11/16-12 UN	M42x2	45	62	50
28÷32	1"1/4	65070433248	1"11/16-12 UN	M48x2	49	66	55
35-38	1"1/2	65070433848	2"-12 UN	M48x2	49	71	55
6	1/4	65070430614	9/16-18 UNF	M14x1,5	24	37	19
6	1/4	65070430618	9/16-18 UNF	M18x1,5	25	40.5	24
8-10	5/16-3/8	65070431012	11/16-16 UN	M12x1,5	25	35	17

6511004

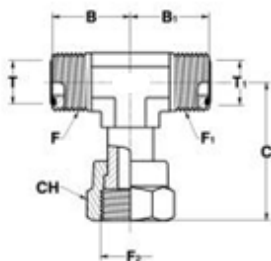
Union TEE Male ORFS



T		T1		REFERENCE	F	F2	B	D
mm	in	mm	in					
6	1/4	6	1/4	651100406	9/16-18 UNF	9/16-18 UNF	22	21.5
8-10	5/16-3/8	8-10	5/16-3/8	651100410	11/16-16 UN	11/16-16 UN	25	25
12	1/2	12	1/2	651100412	13/16-16 UN	13/16-16 UN	28	28
14÷16	5/8	14÷16	5/8	651100416	1"-14 UNS	1"-14 UNS	33,5	33,5
18-20	3/4	18-20	3/4	651100420	1"3/16-12 UN	1"3/16-12 UN	37,5	37,5
22-25	7/8-1"	22-25	7/8-1"	651100425	1"7/16-12 UN	1"7/16-12 UN	42	42
28÷32	1"1/4	28÷32	1"1/4	651100432	1"11/16-12 UN	1"11/16-12 UN	45	45
35-38	1"1/2	35-38	1"1/2	651100438	2"-12 UN	2"-12 UN	49	49

6511015

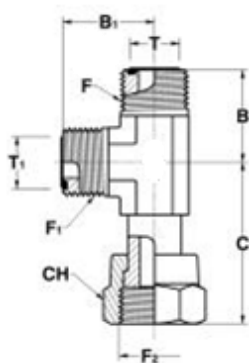
Swivel branch tee Male ORFS - swivel nut ORFS



T		T1		REFERENCE	F-F1-F2	B	B1	C	CH
mm	in	mm	in						
6	1/4	6	1/4	651101506	9/16-18 UNF	22	22	34,5	17
8-10	5/16-3/8	8-10	5/16-3/8	651101510	11/16-16 UN	25	25	40	22
12	1/2	12	1/2	651101512	13/16-16 UN	28	28	49	24
14÷16	5/8	14÷16	5/8	651101516	1"-14 UNS	33,5	33,5	54,5	30
18-20	3/4	18-20	3/4	651101520	1"3/16-12 UN	37,5	37,5	61	36
22-25	7/8-1"	22-25	7/8-1"	651101525	1"7/16-12 UN	42	42	68,5	41
28÷32	1"1/4	28÷32	1"1/4	651101532	1"11/16-12 UN	45	45	73,5	50
35-38	1"1/2	35-38	1"1/2	651101538	2"-12 UN	49	49	76	57

6513001

Swivel run tee Male ORFS - swivel nut ORFS



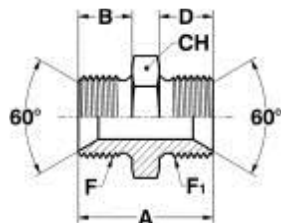
T		T1		REFERENCE	F	F1	F2	B	B1	C	CH
mm	in	mm	in								
6	1/4	6	1/4	651300106	9/16-18	9/16-18	9/16-18	22	21,5	34,5	17
8-10	5/16-3/8	8-10	5/16-3/8	651300110	11/16-16	11/16-16	11/16-16	25	25	40	22
12	1/2	12	1/2	651300112	13/16-16	13/16-16	13/16-16	28	28	49	24
14÷16	5/8	14÷16	5/8	651300116	1"-14	1"-14	1"-14	33,5	33,5	54,5	30
18-20	3/4	18-20	3/4	651300120	1"3/16-12	1"3/16-12	1"3/16-12	37,5	37,5	61	36
22-25	7/8-1"	22-25	7/8-1"	651300125	1"7/16-12	1"7/16-12	1"7/16-12	42	42	68,5	41
28÷32	1"1/4	28÷32	1"1/4	651300132	1"11/16-12	1"11/16-12	1"11/16-12	45	45	73,5	50
35-38	1"1/2	35-38	1"1/2	651300138	2"-12	2"-12	2"-12	49	49	76	57

BRITISH STANDARD PIPE (BSP) CONNECTORS 60° SEAT

ISO 8434-6, BSP 5200

ABBDIN

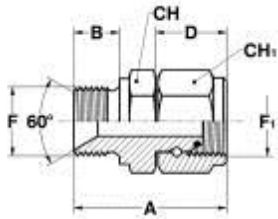
Union BSP – BSP



T		T1		REFERENCE	F	F1	A	B	D	CH
mm	in	mm	in							
3	1/8	3	1/8	ABBDIN0202IT	G1/8-28	G1/8-28	25	8	8	14
6	1/4	3	1/8	ABBDIN0402IT	G1/4-19	G1/8-28	28,5	11	8	19
6	1/4	6	1/4	ABBDIN0404IT	G1/4-19	G1/4-19	32	11	11	19
10	3/8	6	1/4	ABBDIN0604IT	G3/8-19	G1/4-19	33,5	11	8	22
10	3/8	10	3/8	ABBDIN0606IT	G3/8-19	G3/8-19	35	12	12	22
12	1/2	6	1/4	ABBDIN0804IT	G1/2-14	G1/4-19	38	14	11	27
12	1/2	10	3/8	ABBDIN0806IT	G1/2-14	G3/8-19	37,5	14	12	27
12	1/2	12	1/2	ABBDIN0808IT	G1/2-14	G1/2-14	40	14	14	27
20	3/4	10	3/8	ABBDIN1206IT	G3/4-14	G3/8-19	41	16	12	32
20	3/4	12	1/2	ABBDIN1208IT	G3/4-14	G18/2-14	43,5	16	14	32
20	3/4	20	3/4	ABBDIN1212IT	G3/4-14	G3/4-14	45,5	16	16	32
25	1	12	1/2	ABBDIN1608IT	G1-11	G1/2-14	47,5	19	14	41
25	1	20	3/4	ABBDIN1612IT	G1-11	G3/4-14	49,5	19	16	41
25	1	25	1	ABBDIN1616IT	G1-11	G1-11	52,5	19	19	41
32	1"1/4	20	3/4	ABBDIN2012IT	G1"1/4-11	G3/4-14	53,5	20	16	50
32	1"1/4	25	1	ABBDIN2016IT	G1"1/4-11	G1-11	56,5	20	19	50
32	1"1/4	32	1"1/4	ABBDIN2020IT	G1"1/4-11	G1"1/4-11	57,5	20	20	50
38	1"1/2	25	1	ABBDIN2416IT	G1"1/2-11	G1-11	58,5	22	19	55
38	1"1/2	32	1"1/4	ABBDIN2420IT	G1"1/2-11	G1"1/4-11	59,5	22	20	55
38	1"1/2	38	1"1/2	ABBDIN2424IT	G1"1/2-11	G1"1/2-11	61,5	22	22	55
50	2	38	1"1/2	ABBDIN3224IT	G2-11	G1"1/2-11	65	25	22	70
50	2	50	2	ABBDIN3232IT	G2-11	G2-11	68,5	25	25	70

6202211

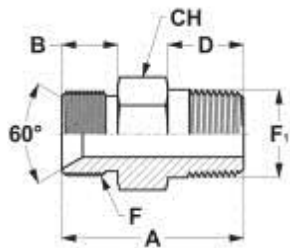
Union Male BSP - swivel
nut BSP



T		REFERENCE	F	F1	A	B	D	CH	CH1
mm	in								
5	3/16	62022111010	G1/8-28	G1/8-28	30	9	15,5	14	14
6	1/4	62022111313	G1/4-19	G1/4-19	36	11	17	19	19
10	3/8	62022111717	G3/8-19	G3/8-19	39	12	19	22	22
12	1/2	62022112121	G1/2-14	G1/2-14	46,5	14	21,5	27	27
16	5/8	62022112323	G5/8-14	G5/8-14	51,5	16	23,5	27	27
20	3/4	62022112626	G3/4-14	G3/4-14	53,5	16	26,5	32	32
25	1"	62022113333	G1"-11	G1"-11	65,5	19	30	41	41
32	1"1/4	62022114242	G1"1/4-11	G1"1/4-11	71	20	33	50	50
38	1"1/2	62022114848	G1"1/2-11	G1"1/2-11	76	22	37	55	55
6	1/4	62022111317	G1/4-19	G3/8-19	38	11	19	19	22
6	1/4	62022111321	G1/4-19	G1/2-14	42,5	11	21,5	19	27
6	1/4	62022111326	G1/4-19	G3/4-14	47,5	11	26,5	24	32
10	3/8	62022111713	G3/8-19	G1/4-19	37	12	17	22	19
10	3/8	62022111721	G3/8-19	G1/2-14	44	12	21,5	22	27
12	1/2	62022112117	G1/2-14	G3/8-19	44	14	19	27	22
12	1/2	62022112126	G1/2-14	G3/4-14	51,5	14	26,5	27	32
20	3/4	62022112621	G3/4-14	G1/2-14	48,5	16	21,5	32	27
20	3/4	62022112633	G3/4-14	G1"-11	58	16	30	32	41
25	1"	62022113326	G1"-11	G3/4-14	60	19	26,5	41	32
25	1"	62022113342	G1"-11	G1"1/4-11	67,5	19	33	41	50
32	1"1/4	62022114233	G1"1/4-11	G1"-11	68	20	30	50	41

6202178

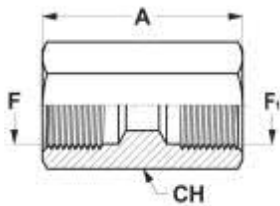
Connector
Male BSP - BSPT taper
ISO 7 ports



T		REFERENCE	F	F1	A	B	D	CH
mm	in							
5	3/16	62021781010	G1/8-28	R1/8-28 BSPT	24	8	9	14
5	3/16	62021781013	G1/8-28	R1/4-19 BSPT	29	8	13	14
6	1/4	62021781310	G1/4-19	R1/8-28 BSPT	29	11	9	19
6	1/4	62021781313	G1/4-19	R1/4-19 BSPT	31,5	11	13	17
6	1/4	62021781317	G1/4-19	R3/8-19 BSPT	33	11	13,5	19
10	3/8	62021781713	G3/8-19	R1/4-19 BSPT	35	12	13	22
10	3/8	62021781717	G3/8-19	R3/8-19 BSPT	32,5	12	13,5	19
10	3/8	62021781721	G3/8-19	R1/2-14 BSPT	40	12	15,5	22
12	1/2	62021782117	G1/2-14	R3/8-19 BSPT	36,5	14	13,5	24
12	1/2	62021782121	G1/2-14	R1/2-14 BSPT	38,5	14	15,5	24
20	3/4	62021782621	G3/4-14	R1/2-14 BSPT	43,5	16	15,5	30
20	3/4	62021782626	G3/4-14	R3/4-14 BSPT	45,5	16	17	30
20	3/4	62021782633	G3/4-14	R1"-11 BSPT	51	16	19,5	36
25	1"	62021783333	G1"-11	R1"-11 BSPT	49,5	19	19,5	36
25	1"	62021783342	G1"-11	R1"1/4-11 BSPT	53	19	21,5	46
32	1"1/4	62021784242	G1"1/4-11	R1"1/4-11 BSPT	54	20	21,5	46
38	1"1/2	62021784848	G1"1/2-11	R1"1/2-11 BSPT	60	22	21,5	55

6302367

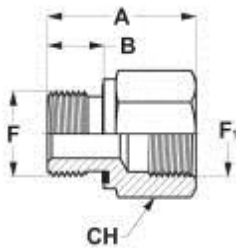
Union straight Female
port BSP



REFERENCE	F	F1	A	CH
630236710	G1/8-28	G1/8-28	19	14
630236713	G1/4-19	G1/4-19	28	17
630236717	G3/8-19	G3/8-19	28	22
630236721	G1/2-14	G1/2-14	33	27
630236726	G3/4-14	G3/4-14	37	36
630236733	G1"-11	G1"-11	42	41
630236742	G1"1/4-11	G1"1/4-11	47	50
630236748	G1"1/2-11	G1"1/2-11	52	60
630236760	G2"-11	G2"-11	60	75

6302334

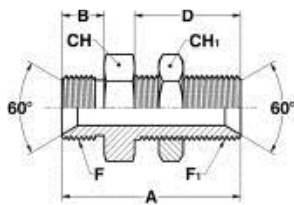
BSP adapter Male -
Female BSPP with
elastomer seal
ISO 9974 ports



REFERENCE	F	F1	A	B	CH
63023341013	G1/8-28	G1/4-19	31	8	19
63023341017	G1/8-28	G3/8-19	32	8	24
63023341310	G1/4-19	G1/8-28	29	12	19
63023341317	G1/4-19	G3/8-19	34	12	24
63023341326	G1/4-19	G3/4-14	43	12	36
63023341710	G3/8-19	G1/8-28	22,5	12	22
63023341713	G3/8-19	G1/4-19	36	12	22
63023341721	G3/8-19	G1/2-14	41	12	30
63023342110	G1/2-14	G1/8-28	24	14	27
63023342113	G1/2-14	G1/4-19	24	14	27
63023342117	G1/2-14	G3/8-19	37	14	27
63023342126	G1/2-14	G3/4-14	46	14	36
63023342133	G1/2-14	G1"-11	49	14	41
63023342617	G3/4-14	G3/8-19	26	16	32
63023342621	G3/4-14	G1/2-14	43	16	32
63023342633	G3/4-14	G1"-11	51	16	41
63023343313	G1"-11	G1/4-19	29	18	41
63023343317	G1"-11	G3/8-19	29	18	41
63023343321	G1"-11	G1/2-14	29	18	41
63023343326	G1"-11	G3/4-14	49	18	41
63023344226	G1"1/4-11	G3/4-14	32	20	50
63023344233	G1"1/4-11	G1"-11	53	20	50
63023344248	G1"1/4-11	G1"1/2-11	60	20	60
63023344842	G1"1/2-11	G1"1/4-11	58	22	55
63023346026	G2"-11	G3/4-14	42	24	75
63023346033	G2"-11	G1"-11	64	24	75
63023346042	G2"-11	G1"1/4-11	64	24	75
63023346048	G2"-11	G1"1/2-11	64	24	75

6203003

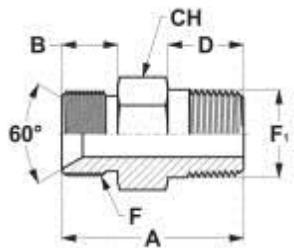
Bulkhead union Male
BSP –BSP



T		T1		REFERENCE	F	F1	A	B	D	CH	CH1
mm	in	mm	in								
5	3/16	5	3/16	620300310	G1/8-28	G1/8-28	41	8	28	17	17
6	1/4	6	1/4	620300313	G1/4-19	G1/4-19	46	11	28	19	19
10	3/8	10	3/8	620300317	G3/8-19	G3/8-19	52	12	32	24	24
12	1/2	12	1/2	620300321	G1/2-14	G1/2-14	59	14	35	30	30
16	5/8	16	5/8	620300323	G5/8-14	G5/8-14	63	16	35	32	32
20	3/4	20	3/4	620300326	G3/4-14	G3/4-14	66	16	38	36	36
25	1"	25	1"	620300333	G1"-11	G1"-11	75	19	41	41	41
32	1"1/4	32	1"1/4	620300342	G1"1/4-11	G1"1/4-11	83	20	44	50	50
38	1"1/2	38	1"1/2	620300348	G1"1/2-11	G1"1/2-11	93	22	48	60	60
6	1/4	10	3/8	62030031317	G1/4-19	G3/8-19	51	11	32	24	24
20	3/4	12	1/2	62030032621	G3/4-14	G1/2-14	61	16	35	30	30

6202167

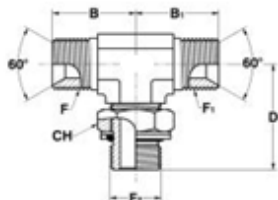
Connector
Male BSP - NPTF taper
SAE 476 ports



T		REFERENCE	F	F1	A	B	D	CH
mm	in							
5	3/16	62021671010	G1/8-28	1/8-27 NPTF	25	8	10	13
5	3/16	62021671013	G1/8-28	1/4-18 NPTF	29	8	14,5	19
6	1/4	62021671310	G1/4-19	1/8-27 NPTF	26,5	11	10	17
6	1/4	62021671313	G1/4-19	1/4-18 NPTF	33	11	14,5	19
6	1/4	62021671321	G1/4-19	1/2-14 NPTF	40	11	19	24
10	3/8	62021671717	G3/8-19	3/8-18 NPTF	36	12	14,5	19
10	3/8	62021671721	G3/8-19	1/2-14 NPTF	42	12	19	24
10	3/8	62021671726	G3/8-19	3/4-14 NPTF	42	12	19	32
12	1/2	62021672117	G1/2-14	3/8-18 NPTF	39	14	14,5	24
12	1/2	62021672121	G1/2-14	1/2-14 NPTF	45,5	14	19	24
12	1/2	62021672126	G1/2-14	3/4-14 NPTF	44	14	19	32
20	3/4	62021672626	G3/4-14	3/4-14 NPTF	47	16	19	32
20	3/4	62021672633	G3/4-14	1"-11 NPTF	51	16	24	36
25	1"	62021673333	G1"-11	1"-11 NPTF	56	19	24	36
25	1"	62021673342	G1"-11	1"1/4-11 NPTF	57	19	24,5	46
6	1/4	62021671317	G1/4-19	3/8-18 NPTF	35	11	14,5	19
10	3/8	62021671713	G3/8-19	1/4-18 NPTF	36	12	14,5	19
12	1/2	62021672142	G1/2-14	1"1/4-11 NPTF	52	14	24,5	46
20	3/4	62021672621	G3/4-14	1/2-14 NPTF	47	16	19	32
25	1"	62021673321	G1"-11	1/2-14 NPTF	51	19	19	36
25	1"	62021673326	G1"-11	3/4-14 NPTF	51	19	19	36

6211021

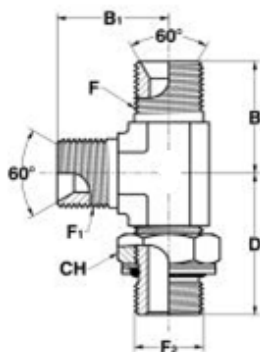
Branch (ADJ) tee
Male BSP - Male BSPP
with O.R. and retaining
ring
ISO 1179 ports



T		T1		REFERENCE	F	F1	F2	B	B1	D	CH
mm	in	mm	in								
5	3/16	5	3/16	62110211010	G1/8-28	G1/8-28	G1/8-28	22	22	27	14
5	3/16	5	3/16	62110211013	G1/8-28	G1/8-28	G1/4-19	24	24	31.5	19
6	1/4	6	1/4	62110211313	G1/4-19	G1/4-19	G1/4-19	27	27	31.5	19
6	1/4	6	1/4	62110211317	G1/4-19	G1/4-19	G3/8-19	28	28	37	24
10	3/8	10	3/8	62110211713	G3/8-19	G3/8-19	G1/4-19	29	29	35	19
10	3/8	10	3/8	62110211717	G3/8-19	G3/8-19	G3/8-19	29	29	37	24
10	3/8	10	3/8	62110211721	G3/8-19	G3/8-19	G1/2-14	32	32	43	27
12	1/2	12	1/2	62110212117	G1/2-14	G1/2-14	G3/8-19	34	34	40	24
12	1/2	12	1/2	62110212121	G1/2-14	G1/2-14	G1/2-14	34	34	43	27
12	1/2	12	1/2	62110212126	G1/2-14	G1/2-14	G3/4-14	39	39	50	36
16	5/8	16	5/8	62110212321	G5/8-14	G5/8-14	G1/2-14	37	37	45	27
20	3/4	20	3/4	62110212621	G3/4-14	G3/4-14	G1/2-14	41	41	46	27
20	3/4	20	3/4	62110212626	G3/4-14	G3/4-14	G3/4-14	41	41	50	36
20	3/4	20	3/4	62110212633	G3/4-14	G3/4-14	G1"-11	43	43	53	41
25	1"	25	1"	62110213326	G1"-11	G1"-11	G3/4-14	46	46	52	36
25	1"	25	1"	62110213333	G1"-11	G1"-11	G1"-11	46	46	53	41
25	1"	25	1"	62110213342	G1"-11	G1"-11	G1"1/4-11	50	50	58	50
32	1"1/4	32	1"1/4	62110214233	G1"1/4-11	G1"1/4-11	G1"-11	52	52	57	41
32	1"1/4	32	1"1/4	62110214242	G1"1/4-11	G1"1/4-11	G1"1/4-11	51	51	58	50
32	1"1/4	32	1"1/4	62110214248	G1"1/4-11	G1"1/4-11	G1"1/2-11	59	59	61	60
38	1"1/2	38	1"1/2	62110214848	G1"1/2-11	G1"1/2-11	G1"1/2-11	59	59	67	60
6	1/4	10	3/8	6211021131713	G1/4-19	G3/8-19	G1/4-19	27	29	35	19
6	1/4	12	1/2	6211021132117	G1/4-19	G1/2-14	G3/8-19	30	34	40	24
10	3/8	12	1/2	6211021172121	G3/8-19	G1/2-14	G1/2-14	32	34	43	27
10	3/8	20	3/4	6211021172621	G3/8-19	G3/4-14	G1/2-14	37	42	45	27
12	1/2	6	1/4	6211021211321	G1/2-14	G1/4-19	G1/2-14	37	32	43	27
12	1/2	20	3/4	6211021212633	G1/2-14	G3/4-14	G1"-11	40	43	53	41
12	1/2	25	1"	6211021213326	G1/2-14	G1"-11	G3/4-14	42	46	52	36
20	3/4	12	1/2	6211021262121	G3/4-14	G1/2-14	G1/2-14	41	38	46	27
20	3/4	12	1/2	6211021262126	G3/4-14	G1/2-14	G3/4-14	41	38	50	36
20	3/4	12	1/2	6211021262142	G3/4-14	G1/2-14	G1"1/4-11	49	49	58	50
20	3/4	16	5/8	6211021262321	G3/4-14	G5/8-14	G1/2-14	41	38	45	27
20	3/4	25	1"	6211021263333	G3/4-14	G1"-11	G1"-11	45	46	53	41

6213017

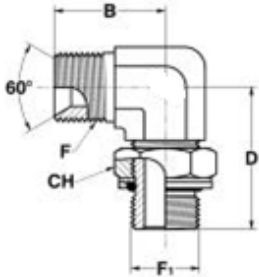
Run (ADJ) tee
Male BSP - Male BSPP
with O.R. and retaining
ring
ISO 1179 ports



T		T1		REFERENCE	F	F1	F2	B	B1	D	CH
mm	in	mm	in								
5	3/16	5	3/16	62130171010	G1/8-28	G1/8-28	G1/8-28	22	22	27	14
5	3/16	5	3/16	62130171013	G1/8-28	G1/8-28	G1/4-19	24	24	32	19
6	1/4	6	1/4	62130171313	G1/4-19	G1/4-19	G1/4-19	27	27	32	19
6	1/4	6	1/4	62130171317	G1/4-19	G1/4-19	G3/8-19	28	28	37	24
10	3/8	10	3/8	62130171713	G3/8-19	G3/8-19	G1/4-19	29	29	35	19
10	3/8	10	3/8	62130171717	G3/8-19	G3/8-19	G3/8-19	29	29	37	24
10	3/8	10	3/8	62130171721	G3/8-19	G3/8-19	G1/2-14	32	32	43	27
12	1/2	12	1/2	62130172117	G1/2-14	G1/2-14	G3/8-19	34	34	40	24
12	1/2	12	1/2	62130172121	G1/2-14	G1/2-14	G1/2-14	34	34	43	27
12	1/2	12	1/2	62130172126	G1/2-14	G1/2-14	G3/4-14	39	39	50	36
16	5/8	16	5/8	62130172321	G5/8-14	G5/8-14	G1/2-14	37	37	43	27
16	5/8	16	5/8	62130172326	G5/8-14	G5/8-14	G3/4-14	40	39,5	49	36
20	3/4	20	3/4	62130172621	G3/4-14	G3/4-14	G1/2-14	41	41	46	27
20	3/4	20	3/4	62130172626	G3/4-14	G3/4-14	G3/4-14	41	41	50	36
20	3/4	20	3/4	62130172633	G3/4-14	G3/4-14	G1"-11	43	43	53	41
25	1"	25	1"	62130173326	G1"-11	G1"-11	G3/4-14	46	46	52	36
25	1"	25	1"	62130173333	G1"-11	G1"-11	G1"-11	46	46	53	41
25	1"	25	1"	62130173342	G1"-11	G1"-11	G1"1/4-11	50	50	58	50
32	1"1/4	32	1"1/4	62130174233	G1"1/4-11	G1"1/4-11	G1"-11	52	52	57	41
32	1"1/4	32	1"1/4	62130174242	G1"1/4-11	G1"1/4-11	G1"1/4-11	51	51	58	50
32	1"1/4	32	1"1/4	62130174248	G1"1/4-11	G1"1/4-11	G1"1/2-11	59	59	61	60
38	1"1/2	38	1"1/2	62130174848	G1"1/2-11	G1"1/2-11	G1"1/2-11	59	59	67	60
5	3/16	6	1/4	6213017101313	G1/8-28	G1/4-19	G1/4-19	27	27	32	19
5	3/16	6	1/4	6213017101713	G1/8-28	G1/4-19	G3/8-19	28	28	37	24
6	1/4	6	1/4	6213017131013	G1/4-19	G1/4-19	G1/8-28	27	27	32	14
6	1/4	10	3/8	6213017131017	G1/4-19	G3/8-19	G1/8-28	27	29	33	14
6	1/4	5	3/16	6213017131310	G1/4-19	G1/8-28	G1/4-19	27	27	32	19
6	1/4	10	3/8	6213017131317	G1/4-19	G3/8-19	G1/4-19	27	29	35	19
10	3/8	6	1/4	6213017171313	G3/8-19	G1/4-19	G1/4-19	29	27	35	19
10	3/8	6	1/4	6213017171713	G3/8-19	G1/4-19	G3/8-19	29	27	37	24
10	3/8	12	1/2	6213017171721	G3/8-19	G1/2-14	G3/8-19	34	36,5	40	24
10	3/8	12	1/2	6213017172121	G3/8-19	G1/2-14	G1/2-14	32	34	43	27
12	1/2	6	1/4	6213017212113	G1/2-14	G1/4-19	G1/2-14	34	29,5	43	27
12	1/2	10	3/8	6213017212117	G1/2-14	G3/8-19	G1/2-14	34	31,5	43	27
12	1/2	12	1/2	6213017212321	G1/2-14	G1/2-14	5/8-14	34	34	43	30
12	1/2	25	1"	6213017213333	G1/2-14	G1"-11	G1"-11	42	46	53	41
20	3/4	12	1/2	6213017262121	G3/4-14	G1/2-14	G1/2-14	42	39	46	27
20	3/4	12	1/2	6213017262621	G3/4-14	G1/2-14	G3/4-14	41	38	50	36
20	3/4	25	1"	6213017262633	G3/4-14	G1"-11	G3/4-14	45	46	51	36
20	3/4	12	1/2	6213017263321	G3/4-14	G1/2-14	G1"-11	43	40	53	41
25	1"	12	1/2	6213017333321	G1"-11	G1/2-14	G1"-11	46	41,5	53	41
25	1"	20	3/4	6213017333326	G1"-11	G3/4-14	G1"-11	46	44,5	52	41

6207030

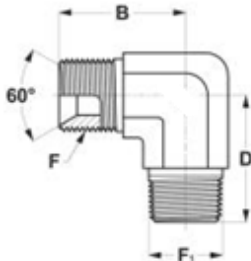
90° (ADJ) elbow
Male BSP - Male BSPP
with O.R. and retaining
ring
ISO 1179 ports



T		REFERENCE	F	F1	B	D	CH
mm	in						
5	3/16	62070301010	G1/8-28	G1/8-28	22	27,5	14
5	3/16	62070301013	G1/8-28	G1/4-19	24	31,5	19
6	1/4	62070301313	G1/4-19	G1/4-19	27	31,5	19
6	1/4	62070301317	G1/4-19	G3/8-19	28	37	24
10	3/8	62070301713	G3/8-19	G1/4-19	29	35	19
10	3/8	62070301717	G3/8-19	G3/8-19	29	37	24
10	3/8	62070301721	G3/8-19	G1/2-14	32	43	27
12	1/2	62070302117	G1/2-14	G3/8-19	34	40	24
12	1/2	62070302121	G1/2-14	G1/2-14	34	43	27
12	1/2	62070302126	G1/2-14	G3/4-14	39	50	36
16	5/8	62070302321	G5/8-14	G1/2-14	37	43	27
20	3/4	62070302621	G3/4-14	G1/2-14	41	46	27
20	3/4	62070302626	G3/4-14	G3/4-14	41	50	36
20	3/4	62070302633	G3/4-14	G1"-11	43	53	41
25	1"	62070303326	G1"-11	G3/4-14	46	52	36
25	1"	62070303333	G1"-11	G1"-11	46	53	41
25	1"	62070303342	G1"-11	G1"1/4-11	50	58	50
32	1"1/4	62070304233	G1"1/4-11	G1"-11	52	57	41
32	1"1/4	62070304242	G1"1/4-11	G1"1/4-11	51	58	50
32	1"1/4	62070304248	G1"1/4-11	G1"1/2-11	59	63	60
38	1"1/2	62070304848	G1"1/2-11	G1"1/2-11	59	67	60
5	3/16	62070301017	G1/8-28	G3/8-19	28	37	24
6	1/4	62070301321	G1/4-19	G1/2-14	32	43	27
10	3/8	62070301726	G3/8-19	G3/4-14	37	50	36
16	5/8	62070302323	G5/8-14	5/8-14	37	43	30
20	3/4	62070302617	G3/4-14	G3/8-19	42	42	24
20	3/4	62070302642	G3/4-14	G1"1/4-11	49	58	50
38	1"1/2	62070304842	G1"1/2-11	G1"1/4-11	59	66	50

6207117

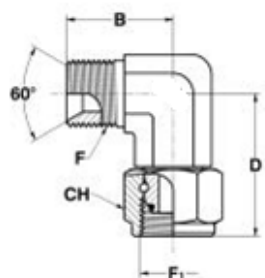
90° elbow union Male
BSP - Male BSPT taper
ISO 7 ports



T		REFERENCE	F	F1	B	D
mm	in					
6	1/4	62071171313	G1/4-19	R1/4-19 BSPT	27	27
10	3/8	62071171717	G3/8-19	R3/8-19 BSPT	31	31
12	1/2	62071172121	G1/2-14	R1/2-14 BSPT	36	36
20	3/4	62071172626	G3/4-14	R3/4-14 BSPT	42	42
25	1"	62071173333	G1"-11	R1"-11 BSPT	46	46
32	1"1/4	62071174242	G1"1/4-11	R1"1/4-11 BSPT	51	51
38	1"1/2	62071174848	G1"1/2-11	R1"1/2-11 BSPT	59	59
5	3/16	62071171010	G1/8-28	R1/8-28 BSPT	22	22

6207128

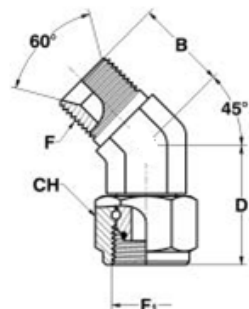
90° elbow union
Male BSP -swivel nut
BSP



T		REFERENCE	F	F1	B	D	CH
mm	in						
5	3/16	620712810	G1/8-28	G1/8-28	23	25,5	14
6	1/4	620712813	G1/4-19	G1/4-19	27	28	19
10	3/8	620712817	G3/8-19	G3/8-19	29	37	22
12	1/2	620712821	G1/2-14	G1/2-14	34	44,5	27
16	5/8	620712823	G5/8-14	G5/8-14	37	48,5	27
20	3/4	620712826	G3/4-14	G3/4-14	41	55,5	32
25	1"	620712833	G1"-11	G1"-11	46	61,5	41
32	1"1/4	620712842	G1"1/4-11	G1"1/4-11	51	67	50
38	1"1/2	620712848	G1"1/2-11	G1"1/2-11	59	72	55

6205083

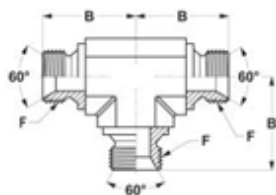
45° elbow
Male BSP -swivel nut
BSP



T		REFERENCE	F	F1	B	D	CH
mm	in						
5	3/16	620508310	G1/8-28	G1/8-28	20	25,5	14
6	1/4	620508313	G1/4-19	G1/4-19	21	30	19
10	3/8	620508317	G3/8-19	G3/8-19	25	33	22
12	1/2	620508321	G1/2-14	G1/2-14	28	36,5	27
16	5/8	620508323	G5/8-14	G5/8-14	28	41,5	27
20	3/4	620508326	G3/4-14	G3/4-14	32	44,5	32
25	1"	620508333	G1"-11	G1"-11	37	49,5	41
32	1"1/4	620508342	G1"1/4-11	G1"1/4-11	40	52	50
38	1"1/2	620508348	G1"1/2-11	G1"1/2-11	45	58	55

6211121

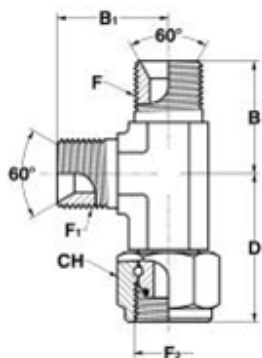
Union TEE Male BSP 60°
for bonded seal



T		REFERENCE	F	B
mm	in			
5	3/16	621112110	G1/8-28	17
6	1/4	621112113	G1/4-19	24
10	3/8	621112117	G3/8-19	27
12	1/2	621112121	G1/2-14	32
16	5/8	621112123	G5/8-14	34
20	3/4	621112126	G3/4-14	36
25	1"	621112133	G1"-11	43
32	1"1/4	621112142	G1"1/4-11	52
38	1"1/2	621112148	G1"1/2-11	54

6213084

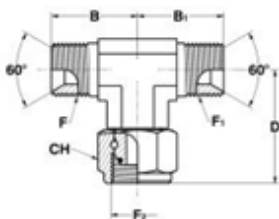
Swivel nut run tee BSP -
swivel nut BSP



T		T1		REFERENCE	F	F1	F2	B	B1	D	CH
mm	in	mm	in								
5	3/16	5	3/16	621308410	G1/8-28	G1/8-28	G1/8-28	23	22,5	25,5	14
6	1/4	6	1/4	621308413	G1/4-19	G1/4-19	G1/4-19	27	27	28	19
10	3/8	10	3/8	621308417	G3/8-19	G3/8-19	G3/8-19	29	29	37	22
12	1/2	12	1/2	621308421	G1/2-14	G1/2-14	G1/2-14	34	34	44,5	27
16	5/8	16	5/8	621308423	G5/8-14	G5/8-14	G5/8-14	37	37	48,5	27
20	3/4	20	3/4	621308426	G3/4-14	G3/4-14	G3/4-14	41	41	55,5	32
25	1"	25	1"	621308433	G1"-11	G1"-11	G1"-11	46	46	61,5	41
32	1"1/4	32	1"1/4	621308442	G1"1/4-11	G1"1/4-11	G1"1/4-11	51	51	67	50
38	1"1/2	38	1"1/2	621308448	G1"1/2-11	G1"1/2-11	G1"1/2-11	59	59	72	55
10	3/8	6	1/4	6213084171313	G3/8-19	G1/4-19	G1/4-19	29	27	28	19
12	1/2	6	1/4	6213084212113	G1/2-14	G1/4-19	G1/2-14	34	31	44,5	27
12	1/2	25	1"	6213084212133	G1/2-14	G1"-11	G1/2-14	42	46	53	27
12	1/2	20	3/4	6213084212626	G1/2-14	G3/4-14	G3/4-14	38	41	55,5	32
38	1"1/2	38	1"1/2	6213084483348	G1"1/2-11	G1"1/2-11	G1"-11	59	59	68,5	41

6211108

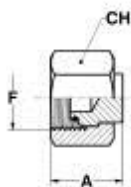
Swivel nut branch tee
BSP - Male BSP



T		T1		REFERENCE	F	F1	F2	B	B1	D	CH
mm	in	mm	in								
5	3/16	5	3/16	621110810	G1/8-28	G1/8-28	G1/8-28	23	23	25,5	14
6	1/4	6	1/4	621110813	G1/4-19	G1/4-19	G1/4-19	27	27	28	19
10	3/8	10	3/8	621110817	G3/8-19	G3/8-19	G3/8-19	29	29	37	22
12	1/2	12	1/2	621110821	G1/2-14	G1/2-14	G1/2-14	34	34	44,5	27
16	5/8	16	5/8	621110823	G5/8-14	G5/8-14	G5/8-14	37	37	48,5	27
20	3/4	20	3/4	621110826	G3/4-14	G3/4-14	G3/4-14	41	41	55,5	32
25	1"	25	1"	621110833	G1"-11	G1"-11	G1"-11	46	46	61,5	41
32	1"1/4	32	1"1/4	621110842	G1"1/4-11	G1"1/4-11	G1"1/4-11	51	51	67	50
38	1"1/2	38	1"1/2	621110848	G1"1/2-11	G1"1/2-11	G1"1/2-11	59	59	72	60
6	1/4	10	3/8	6211108131713	G1/4-19	G3/8-19	G1/4-19	27	29	28	19
38	1"1/2	25	1"	6211108483348	G1"1/2-11	G1"-11	G1"1/2-11	59	55	72	55

6201067

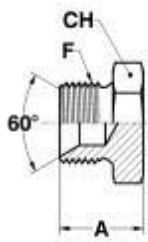
Female plug BSP



T		REFERENCE	F	A	CH
mm	in				
5	3/16	620106710	G1/8-28	17,5	14
6	1/4	620106713	G1/4-19	20,5	19
10	3/8	620106717	G3/8-19	21	22
12	1/2	620106721	G1/2-14	24	27
16	5/8	620106723	G5/8-14	26	27
20	3/4	620106726	G3/4-14	30	32
25	1"	620106733	G1"-11	32	41
32	1"1/4	620106742	G1"1/4-11	33,5	50
38	1"1/2	620106748	G1"1/2-11	39,5	55
50	2"	620106760	G2"-11	52,5	70

6201045

Male plug BSP

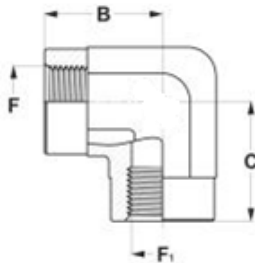


T		REFERENCE	F	A	CH
mm	in				
5	3/16	620104510	G1/8-28	16	14
6	1/4	620104513	G1/4-19	17	19
10	3/8	620104517	G3/8-19	19	22
12	1/2	620104521	G1/2-14	22	27
16	5/8	620104523	G5/8-14	25	27
20	3/4	620104526	G3/4-14	26	32
25	1"	620104533	G1"-11	29	41
32	1"1/4	620104542	G1"1/4-11	31	50
38	1"1/2	620104548	G1"1/2-11	35	55

6307185

90° Elbow

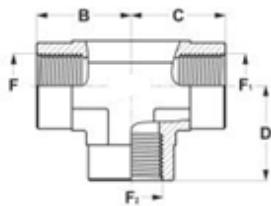
BSPP Female ports



REFERENCE	F	F1	B	C
63071851010	G1/8-28	G1/8-28	17	17
63071851313	G1/4-19	G1/4-19	22	22
63071851717	G3/8-19	G3/8-19	26	26
63071852121	G1/2-14	G1/2-14	31	31
63071852626	G3/4-14	G3/4-14	35	35
63071853333	G1"-11	G1"-11	41	41
63071854242	G1"1/4-11	G1"1/4-11	43	43
63071854848	G1"1/2-11	G1"1/2-11	55	55

6311057

Union tee Female BSPP ports



REFERENCE	F	F1	F2	B	C	D
631105710	G1/8-28	G1/8-28	G1/8-28	17	17	17
631105713	G1/4-19	G1/4-19	G1/4-19	22	22	22
631105717	G3/8-19	G3/8-19	G3/8-19	26	26	26
631105721	G1/2-14	G1/2-14	G1/2-14	31	31	31
631105726	G3/4-14	G3/4-14	G3/4-14	40	40	40
631105733	G1"-11	G1"-11	G1"-11	46	46	46
631105742	G1"1/4-11	G1"1/4-11	G1"1/4-11	50	50	50
631105748	G1"1/2-11	G1"1/2-11	G1"1/2-11	55	55	55