



**37° flare couplings to ISO 8434-2**

## Applications

Widely used throughout the world, 37° flare couplings are designed for most medium pressure mobile and stationary applications. These couplings are characterized by easy, compact assembly and are perfectly suited for series assembly or maintenance use.

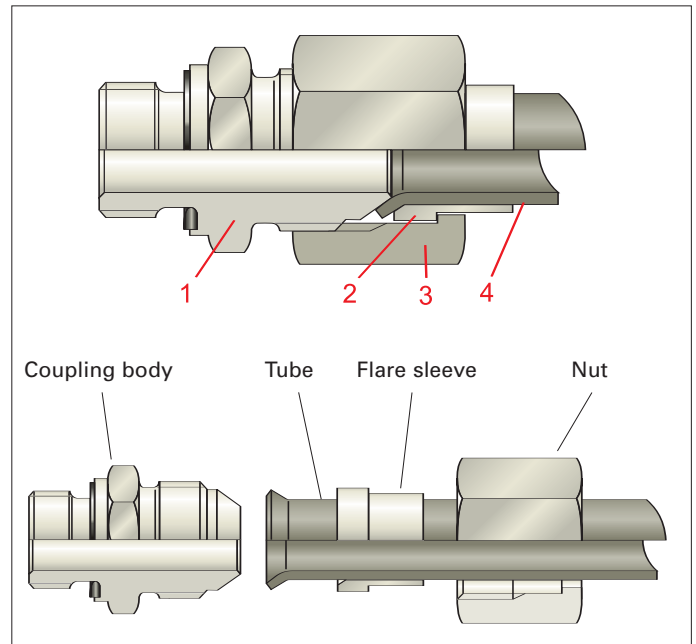


## Principle

37° flare couplings to ISO 8434-2 comprise a body (1), pressure sleeve (2) and securing nut (3).

By exchanging the pressure sleeve, the same coupling can be used with both metric and inch size tube flared at less than 37°.

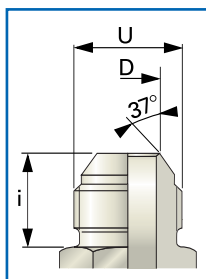
Once assembled, the flared tube (4) is wedged and held between the pressure ring and the coupling body. The pressure sleeve centres and supports the tube, at the same time preventing it from twisting and dampening vibration. Since the tube does not turn with the securing nut, no tension is transmitted to the tube system. The result is an extremely reliable metal seal.



142

## Technical specifications

	6	8	10	12	14, 15, 16	18, 20	25	30, 32	38
o.d. tube mm	6	8	10	12	14, 15, 16	18, 20	25	30, 32	38
o.d. tube inch	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"
U UN/UNF-2A ANSI B1.1 (ISO 725)	7/16"-20 UNF	1/2"-20 UNF	9/16"-20 UNF	3/4"-20 UNF	7/8"-14 UNF	1 1/16"-12 UN	1 5/16"-12 UN	1 5/8"-12 UN	1 7/8"-12 UN
D ±0,08	4,9	6,48	8,08	10,82	13,69	16,87	23,19	29,13	35,08
i ±0,4	14	14	14,1	16,7	19,3	21,9	23,1	24,3	27,5



All products in the 37° flare couplings range are supplied as body only:



## Principal advantages

- **Extensive applications :**

metal/metal sealing ensures good fluid flow and connection capability across a wide range of working temperatures.

- **Secure sealing :**

37° flare couplings have only sealing one point between the coupling body and the flared tube.

- **Maximum safety, thanks to the 37° flare :**

all parts are mechanically in contact with each other, eliminating the risk of the tube pulling out.

- **Easy use :**

the low tightening torques of these couplings makes assembly very straightforward and the ease of disassembly simplifies maintenance.

- **Double use :**

for both metric and inch tubes with 37° flare.

- **High resistance :**

these couplings withstand nominal pressures up to 350 bar, dependant on the diameter.

- **Cost savings and stock reduction :**

different o.d. tubes can be used with the same dimension of couplings.

## Product offer

### Nuts, flare sleeves

**8410**

Nuts



146

**8424**

Flare sleeves



146

### Male stud couplings

**8001**

elastomer seals



147 148

**8021**

O-ring



149

**8005**

Taper



150 151

### Tube-tube couplings

**8006**

straight couplings



152

**8002**

equal elbows



153

**8004**

equal tees



153

**8007**

equal crosses



154

**8V16**

bulkhead straight couplings



155

**8V12**

bulkhead elbow couplings



155

### Adjustable couplings

**8046**

elbows



156

**8036**

45° elbows



156

**8047**

tees



157

**8048**

run tees



157

### Adjustable couplings with lock nut

**8099**

elbows



158 159

**8098**

tees



160 161

**8093**

run tees



162 163

## Product offer

### Non-adjustable couplings

**8009**

elbows



164

**8008**

tees



165

**8003**

run tees



166

### adaptors and reducing adaptors

**8441**

adjustable  
adaptors parallel



167 168

**8445**

adjustable  
adaptors taper



169

**8066**

Straight reducing  
couplings



170

**8014**

pressure gauge  
connectors



171

**8415**

adaptors for  
pressure gauge  
connections



172

### component parts

**8426**

end plug



173

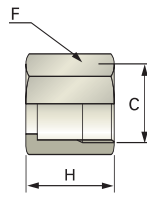
**8425**

socket head  
port plug



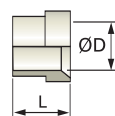
173

## Nuts



ØD mm	ØD inch	C UN/UNF		Bell code	F	H	
6	1/4	7/16-20	<a href="#">8410 06 00</a>	09-30/6	14	15,5	0,010
8	5/16	1/2-20	<a href="#">8410 08 00</a>	09-30/8	17	17	0,018
10	3/8	9/16-18	<a href="#">8410 10 00</a>	09-30/10	19	18,3	0,024
12	1/2	3/4-16	<a href="#">8410 12 00</a>	09-30/12	22	21,3	0,026
14-15-16	5/8	7/8-14	<a href="#">8410 16 00</a>	09-30/16	27	24,6	0,055
18-20	3/4	1"1/16-12	<a href="#">8410 20 00</a>	09-30/20	32	25,9	0,075
25	1	1"5/16-12	<a href="#">8410 25 00</a>	09-30/25	41	28,4	0,140
30-32	1"1/4	1"5/8-12	<a href="#">8410 32 00</a>	09-30/32	50	31	0,220
38	1"1/2	1"7/8-12	<a href="#">8410 38 00</a>	09-30/38	60	35,8	0,400

## Flare sleeves

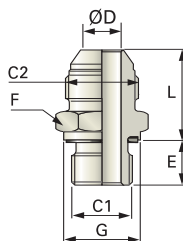


ØD mm	ØD inch			Bell code mm	Bell code pouce	L	
ØD mm	ØD inch	ØD mm	ØD pouce				
6	1/4	<a href="#">8424 06 00</a>	<a href="#">8424 56 00</a>	09-31/6	09-31/1/4	10,4	0,002
8	5/16	<a href="#">8424 08 00</a>	<a href="#">8424 08 00</a>	09-31/8	09-31/8	11,2	0,003
10	3/8	<a href="#">8424 10 00</a>	<a href="#">8424 60 00</a>	09-31/10	09-31/3/8	12,7	0,003
12	1/2	<a href="#">8424 12 00</a>	<a href="#">8424 62 00</a>	09-31/12	09-31/1/2	14,2	0,008
14		<a href="#">8424 14 00</a>		09-31/14		16,8	0,014
15		<a href="#">8424 15 00</a>		09-31/15		16,8	0,011
16	5/8	<a href="#">8424 16 00</a>	<a href="#">8424 16 00</a>	09-31/16	09-31/16	16,8	0,008
18		<a href="#">8424 18 00</a>		09-31/18		17,3	0,016
20	3/4	<a href="#">8424 20 00</a>	<a href="#">8424 69 00</a>	09-31/20	09-31/3/4	17,3	0,010
25	1	<a href="#">8424 25 00</a>	<a href="#">8424 75 00</a>	09-31/25	09-31/1	19,8	0,020
30		<a href="#">8424 30 00</a>		09-31/30		23,1	0,046
32	1"1/4	<a href="#">8424 32 00</a>	<a href="#">8424 82 00</a>	09-31/32	09-31/1 1/4	23,1	0,031
38	1"1/2	<a href="#">8424 38 00</a>	<a href="#">8424 38 00</a>	09-31/38	09-31/38	28,4	0,052



## Male stud couplings

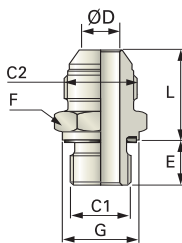
BSP parallel  
elastomer seal  
ISO 1179-2



ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	E	F	G	L	
6	1/4	G1/8	7/16.20	8001 06 10	09-010/6-RD1/8	6,5	14	13,9	22,5	0,030
6	1/4	G1/4	7/16.20	8001 06 13	09-010/6-RD1/4	9,5	19	18,9	22,5	0,042
6	1/4	G3/8	7/16.20	8001 06 17	09-010/6-RD3/8	9,5	22	21,9	23,5	0,055
8	5/16	G1/4	1/2-20	8001 08 13	09-010/8-RD1/4	9,5	19	18,9	22,5	0,051
8	5/16	G3/8	1/2-20	8001 08 17	09-010/8-RD3/8	9,5	22	21,9	23,5	0,062
10	3/8	G1/4	9/16.18	8001 10 13	09-010/10-RD1/4	9,5	19	18,9	22,5	0,057
10	3/8	G3/8	9/16.18	8001 10 17	09-010/10-RD3/8	9,5	22	21,9	23,5	0,067
10	3/8	G1/2	9/16.18	8001 10 21	09-010/10-RD1/2	13	27	26,9	25,6	0,107
12	1/2	G1/4	3/4.16	8001 12 13	09-010/12-RD1/4	9,5	22	18,9	26,5	0,084
12	1/2	G3/8	3/4.16	8001 12 17	09-010/12-RD3/8	9,5	22	21,9	26,5	0,090
12	1/2	G1/2	3/4.16	8001 12 21	09-010/12-RD1/2	13	27	26,9	28,4	0,120
12	1/2	G3/4	3/4.16	8001 12 27	09-010/12-RD3/4	13	32	31,9	29,4	0,170
14-15-16	5/8	G3/8	7/8.14	8001 16 17	09-010/16-RD3/8	9,5	24	21,9	29,5	0,138
14-15-16	5/8	G1/2	7/8.14	8001 16 21	09-010/16-RD1/2	13	27	26,9	31	0,159
14-15-16	5/8	G3/4	7/8.14	8001 16 27	09-010/16-RD3/4	13	32	31,9	32	0,198
18-20	3/4	G1/2	1"1/16.12	8001 20 21	09-010/20-RD1/2	13	30	26,9	33,7	0,215
18-20	3/4	G3/4	1"1/16.12	8001 20 27	09-010/20-RD3/4	13	32	31,9	34,5	0,225
18-20	3/4	G1	1"1/16.12	8001 20 34	09-010/20-RD1	16	41	39,9	36,5	0,342
25	1	G3/4	1"5/16.12	8001 25 27	09-010/25-RD3/4	13	36	31,9	35,5	0,365
25	1	G1	1"5/16.12	8001 25 34	09-010/25-RD1	16	41	39,9	37,5	0,385
25	1	G1"1/4	1"5/16.12	8001 25 42	09-010/25-RD1 1/4	16	50	49,9	39	0,580
30-32	1"1/4	G1"1/4	1"5/8.12	8001 32 42	09-010/32-RD1 1/4	16	50	49,9	41	0,620
38	1"1/2	G1"1/4	1"7/8.12	8001 38 42	09-010/38-RD1 1/4	16	50	49,9	44,5	0,990
38	1"1/2	G1"1/2	1"7/8.12	8001 38 49	09-010/38-RD1 1/2	16	55	54,9	45	0,920

## Male stud couplings

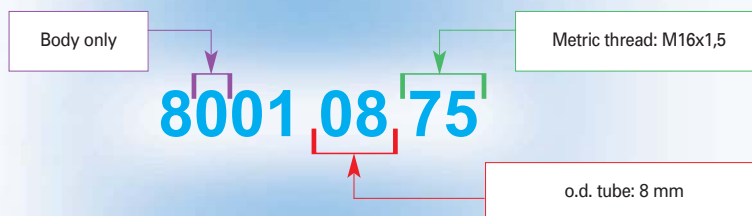
metric parallel  
elastomer seal  
ISO 9974-2



ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	E	F	G	L	
6	1/4	M10x1	7/16-20	8001 06 60	09-010/6-MD10X1	8	14	13,9	21	0,031
6	1/4	M12x1,5	7/16-20	8001 06 67	09-010/6-MD12X1,5	12	17	16,9	21	0,042
8	5/16	M12x1,5	1/2-20	8001 08 67	09-010/8-MD12X1,5	12	17	16,9	21	0,048
10	3/8	M14x1,5	9/16-18	8001 10 71	09-010/10-MD14X1,5	12	19	18,9	21	0,057
10	3/8	M16x1,5	9/16-18	8001 10 75	09-010/10-MD16X1,5	12	22	21,9	22	0,067
12	1/2	M16x1,5	3/4-16	8001 12 75	09-010/12-MD16X1,5	12	22	21,9	24,5	0,092
12	1/2	M18x1,5	3/4-16	8001 12 78	09-010/12-MD18X1,5	12	24	23,9	26	0,089
14-15-16	5/8	M18x1,5	7/8-14	8001 16 78	09-010/16-MD18X1,5	12	24	23,9	28	0,138
14-15-16	5/8	M22x1,5	7/8-14	8001 16 82	09-010/16-MD22X1,5	14	27	26,9	29,5	0,156
18-20	3/4	M22x1,5	1"1/16-12	8001 20 82	09-010/20-MD22X1,5	14	27	26,9	32	0,204
18-20	3/4	M27x2	1"1/16-12	8001 20 86	09-010/20-MD27X2	16	32	31,9	32,5	0,226
25	1	M33x2	1"5/16-12	8001 25 91	09-010/25-MD33X2	18	41	39,9	34,5	0,390
30-32	1"1/4	M42x2	1"5/8-12	8001 32 96	09-010/32-MD42X2	20	50	49,9	38	0,608
38	1"1/2	M48x2	1"7/8-12	8001 38 98	09-010/38-MD48X2	22	55	54,9	41,5	0,920

148

Identification of Legris part numbers  
Example of product codes



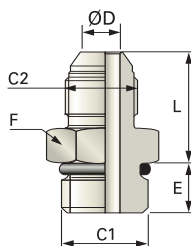




## Male stud couplings

UN, UNF

O-ring

ISO 11926-2/3

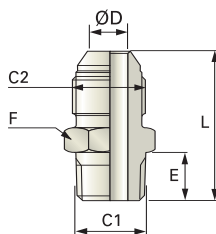


ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	E	F	L	
6	1/4	7/16-20	7/16-20	8021 06 103	09-010/6-7/16-20UNF	9	14	22	0,031
6	1/4	1/2-20	7/16-20	8021 06 104	09-010/6-1/2-20UNF	9	17	22	0,038
8	5/16	1/2-20	1/2-20	8021 08 104	09-010/8-1/2-20UNF	9	17	22	0,048
10	3/8	9/16-18	9/16-18	8021 10 105	09-010/10-9/16-18UNF	10	17	23,1	0,057
10	3/8	3/4-16	9/16-18	8021 10 107	09-010/10-3/4-16UNF	11	22	24,1	0,077
12	1/2	3/4-16	3/4-16	8021 12 107	09-010/12-3/4-16UNF	11	22	26,5	0,092
12	1/2	7/8-14	3/4-16	8021 12 108	09-010/12-7/8-14UNF	12,7	27	27,9	0,124
12	1/2	1"1/16-12	3/4-16	8021 12 153	09-010/12-1 1/16-12UN	15	32	29,7	0,140
14-15-16	5/8	3/4-16	7/8-14	8021 16 107	09-010/16-3/4-16UNF	11	24	29,5	0,143
14-15-16	5/8	7/8-14	7/8-14	8021 16 108	09-010/16-7/8-14UNF	12,7	27	30,5	0,153
14-15-16	5/8	1"1/16-12	7/8-14	8021 16 153	09-010/16-1 1/16-12UN	15	32	32	0,208
18-20	3/4	3/4-16	1"1/16-12	8021 20 107	09-010/20-3/4-16UNF	11	27	34	0,215
18-20	3/4	7/8-14	1"1/16-12	8021 20 108	09-010/20-7/8-14UNF	12,7	27	33,7	0,210
18-20	3/4	1"1/16-12	1"1/16-12	8021 20 153	09-010/20-1 1/16-12UN	15	32	35	0,235
18-20	3/4	1"5/16-12*	1"1/16-12	8021 20 157	09-010/20-1 5/16-12UN	15	41*	35,7	0,330
25	1	1"1/16-12	1"5/16-12	8021 25 153	09-010/25-1 1/16-12UN	15	36	36	0,380
25	1	1"5/16-12*	1"5/16-12	8021 25 157	09-010/25-1 5/16-12UN	15	41*	36,7	0,375
25	1	1"5/8-12	1"5/16-12	8021 25 162	09-010/25-1 5/8-12UN	15	50	38,7	0,515
30-32	1"1/4	1"5/8-12	1"5/8-12	8021 32 162	09-010/32-1 5/8-12UN	15	50	40	0,610
38	1"1/2	1"7/8-12	1"7/8-12	8021 38 166	09-010/38-1 7/8-12UN	15	55	45	0,920

\* With shoulder Ø 38,2

## Male stud couplings

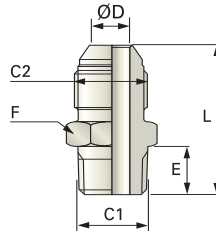
BSPT  
ISO 7



ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	E	F	L	
6	1/4	R1/8	7/16-20	8005 06 10	09-010/6-RK1/8	9,7	13	30,7	0,030
6	1/4	R1/4	7/16-20	8005 06 13	09-010/6-RK1/4	14,2	14	35,7	0,039
8	5/16	R1/8	1/2-20	8005 08 10	09-010/8-RK1/8	9,7	14	30,7	0,042
8	5/16	R1/4	1/2-20	8005 08 13	09-010/8-RK1/4	14,2	14	35,3	0,046
10	3/8	R1/4	9/16-18	8005 10 13	09-010/10-RK1/4	14,2	17	35,6	0,058
10	3/8	R3/8	9/16-18	8005 10 17	09-010/10-RK3/8	14,2	19	35,6	0,065
10	3/8	R1/2	9/16-18	8005 10 21	09-010/10-RK1/2	19	22	41,1	0,099
12	1/2	R1/4	3/4-16	8005 12 13	09-010/12-RK1/4	14,2	19	38,1	0,084
12	1/2	R3/8	3/4-16	8005 12 17	09-010/12-RK3/8	14,2	19	38,1	0,089
12	1/2	R1/2	3/4-16	8005 12 21	09-010/12-RK1/2	19	22	43,7	0,080
14-15-16	5/8	R3/8	7/8-14	8005 16 17	09-010/16-RK3/8	14,2	24	41,9	0,145
14-15-16	5/8	R1/2	7/8-14	8005 16 21	09-010/16-RK1/2	19	24	46,7	0,149
14-15-16	5/8	R3/4	7/8-14	8005 16 27	09-010/16-RK3/4	19	27	48,3	0,193
18-20	3/4	R1/2	1"1/16-12	8005 20 21	09-010/20-RK1/2	19	27	50,8	0,216
18-20	3/4	R3/4	1"1/16-12	8005 20 27	09-010/20-RK3/4	19	27	50,8	0,216
25	1	R3/4	1"5/16-12	8005 25 27	09-010/25-RK3/4	19	36	53,1	0,347
25	1	R1	1"5/16-12	8005 25 34	09-010/25-RK1	23,9	36	57,9	0,376
30-32	1"1/4	R1"1/4	1"5/8-12	8005 32 42	09-010/32-RK1 1/4	24,6	46	61	0,609
38	1"1/2	R1"1/2	1"7/8-12	8005 38 49	09-010/38-RK1 1/2	25,4	50	66,3	0,910

## Male stud couplings

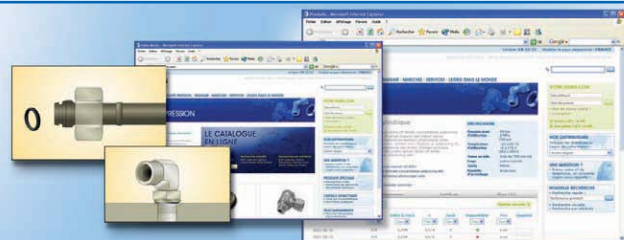
NPT



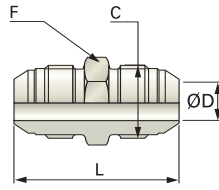
ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	E	F	L	
6	1/4	1/8	7/16-20	<a href="#">8005 06 11</a>	09-010/6-NPT1/8	9,97	13	31	0,030
6	1/4	1/4	7/16-20	<a href="#">8005 06 14</a>	09-010/6-NPT1/4	15,10	14	36	0,039
8	5/16	1/8	1/2-20	<a href="#">8005 08 11</a>	09-010/8-NPT1/8	9,97	14	31	0,042
10	3/8	1/4	9/16-18	<a href="#">8005 10 14</a>	09-010/10-NPT1/4	15,10	17	36,3	0,062
10	3/8	3/8	9/16-18	<a href="#">8005 10 18</a>	09-010/10-NPT3/8	15,25	19	36,3	0,068
12	1/2	1/2	3/4-16	<a href="#">8005 12 22</a>	09-010/12-NPT1/2	19,85	22	45,4	0,114
12	1/2	3/4	3/4-16	<a href="#">8005 12 28</a>	09-010/12-NPT3/4	20,12	27	47	0,164
14-15-16	5/8	3/8	7/8-14	<a href="#">8005 16 18</a>	09-010/16-NPT3/8	15,25	24	43,1	0,152
14-15-16	5/8	1/2	7/8-14	<a href="#">8005 16 22</a>	09-010/16-NPT1/2	19,85	24	48	0,150
14-15-16	5/8	3/4	7/8-14	<a href="#">8005 16 28</a>	09-010/16-NPT3/4	20,15	27	49,5	0,194
18-20	3/4	3/4	1"1/16-12	<a href="#">8005 20 28</a>	09-010/20-NPT3/4	20,15	27	52,3	0,250
18-20	3/4	1	1"1/16-12	<a href="#">8005 20 35</a>	09-010/20-NPT1	25,01	36	57,1	0,330
25	1	1	1"5/16-12	<a href="#">8005 25 35</a>	09-010/25-NPT1	25,01	36	58,4	0,370
30-32	1"1/4	1"1/4	1"5/8-12	<a href="#">8005 32 43</a>	09-010/32-NPT1 1/4	25,62	46	62,2	0,615
38	1"1/2	1"1/2	1"7/8-12	<a href="#">8005 38 50</a>	09-010/38-NPT1 1/2	26,04	50	68,1	0,920



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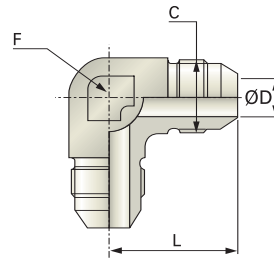




## Straight couplings



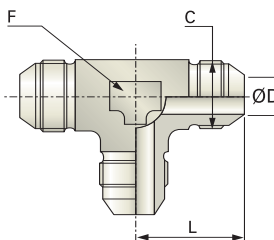
ØD mm	ØD inch	C UN/UNF		Bell code	F	L	
6	1/4	7/16-20	8006 06 00	09-100/6	12	34,8	0,042
8	5/16	1/2-20	8006 08 00	09-100/8	14	34,8	0,061
10	3/8	9/16-18	8006 10 00	09-100/10	17	35,8	0,087
12	1/2	3/4-16	8006 12 00	09-100/12	19	41,1	0,118
14-15-16	5/8	7/8-14	8006 16 00	09-100/16	24	47,8	0,211
18-20	3/4	1"1/16-12	8006 20 00	09-100/20	27	54,9	0,300
25	1	1"5/16-12	8006 25 00	09-100/25	36	57,2	0,515
30-32	1"1/4	1"5/8-12	8006 32 00	09-100/32	46	61,7	0,825
38	1"1/2	1"7/8-12	8006 38 00	09-100/38	50	69,8	1,345



## Equal elbows



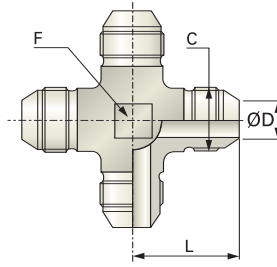
ØD mm	ØD inch	C UN/UNF		Bell code	F	L	
6	1/4	7/16-20	<a href="#">8002 06 00</a>	09-110/6	11	22,6	0,045
8	5/16	1/2-20	<a href="#">8002 08 00</a>	09-110/8	13	24,1	0,071
10	3/8	9/16-18	<a href="#">8002 10 00</a>	09-110/10	14	26,9	0,097
12	1/2	3/4-16	<a href="#">8002 12 00</a>	09-110/12	19	31,8	0,153
14-15-16	5/8	7/8-14	<a href="#">8002 16 00</a>	09-110/16	22	36,8	0,256
18-20	3/4	1"1/16-12	<a href="#">8002 20 00</a>	09-110/20	27	42,2	0,385
25	1	1"5/16-12	<a href="#">8002 25 00</a>	09-110/25	32	46	0,630
30-32	1"1/4	1"5/8-12	<a href="#">8002 32 00</a>	09-110/32	41	52,3	1,040
38	1"1/2	1"7/8-12	<a href="#">8002 38 00</a>	09-110/38	48	59,2	1,710



## Equal tees



ØD mm	ØD inch	C UN/UNF		Bell code	F	L	
6	1/4	7/16-20	<a href="#">8004 06 00</a>	09-120/6	11	22,6	0,065
8	5/16	1/2-20	<a href="#">8004 08 00</a>	09-120/8	13	24,1	0,102
10	3/8	9/16-18	<a href="#">8004 10 00</a>	09-120/10	14	26,9	0,139
12	1/2	3/4-16	<a href="#">8004 12 00</a>	09-120/12	19	31,8	0,217
14-15-16	5/8	7/8-14	<a href="#">8004 16 00</a>	09-120/16	22	36,8	0,364
18-20	3/4	1"1/16-12	<a href="#">8004 20 00</a>	09-120/20	27	42,2	0,535
25	1	1"5/16-12	<a href="#">8004 25 00</a>	09-120/25	32	46	0,870
30-32	1"1/4	1"5/8-12	<a href="#">8004 32 00</a>	09-120/32	41	52,3	1,440
38	1"1/2	1"7/8-12	<a href="#">8004 38 00</a>	09-120/38	48	59,2	2,340

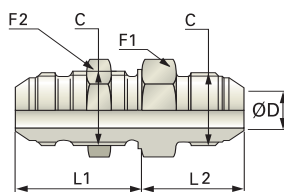
## Equal crosses





ØD mm	ØD inch	C UN/UNF		Bell code	F	L	
6	1/4	7/16-20	8007 06 00	09-130/6	11	22,6	0,088
8	5/16	1/2-20	8007 08 00	09-130/8	13	24,1	0,137
10	3/8	9/16-18	8007 10 00	09-130/10	14	26,9	0,173
12	1/2	3/4-16	8007 12 00	09-130/12	19	31,8	0,281
14-15-16	5/8	7/8-14	8007 16 00	09-130/16	22	36,8	0,467
18-20	3/4	1"1/16-12	8007 20 00	09-130/20	27	42,2	0,685
25	1	1"5/16-12	8007 25 00	09-130/25	32	46	1,120
30-32	1"1/4	1"5/8-12	8007 32 00	09-130/32	41	52,3	1,800
38	1"1/2	1"7/8-12	8007 38 00	09-130/38	48	59,2	3,000

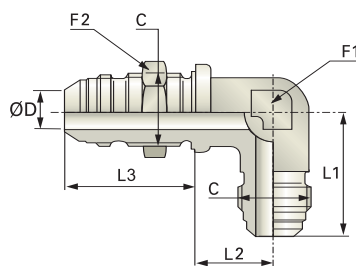




## Bulkhead straight couplings



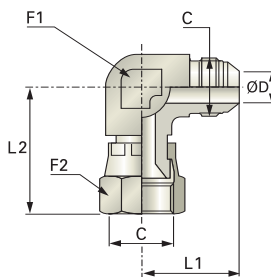
ØD mm	ØD inch	C UN/UNF		Bell code	F1	F2	L1	L2	
6	1/4	7/16-20	<a href="#">8V16 06 00</a>	09-220/6-KM	17	17	31,3	21,3	0,065
8	5/16	1/2-20	<a href="#">8V16 08 00</a>	09-220/8-KM	19	19	31,3	21,3	0,091
10	3/8	9/16-18	<a href="#">8V16 10 00</a>	09-220/10-KM	22	22	33,3	22,1	0,122
12	1/2	3/4-16	<a href="#">8V16 12 00</a>	09-220/12-KM	24	24	37,4	24,6	0,169
14-15-16	5/8	7/8-14	<a href="#">8V16 16 00</a>	09-220/16-KM	30	30	40,9	28,7	0,291
18-20	3/4	1"1/16-12	<a href="#">8V16 20 00</a>	09-220/20-KM	36	36	45,2	33,3	0,456
25	1	1"5/16-12	<a href="#">8V16 25 00</a>	09-220/25-KM	41	41	45,2	34,6	0,673
30-32	1"1/4	1"5/8-12	<a href="#">8V16 32 00</a>	09-220/32-KM	50	50	46,5	37,6	1,054
38	1"1/2	1"7/8-12	<a href="#">8V16 38 00</a>	09-220/38-KM	55	55	46,8	42,6	1,596

## Bulkhead elbow couplings



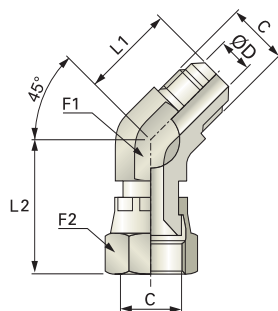
ØD mm	ØD inch	C UN/UNF		Bell code	F1	F2	L1	L2	L3	
6	1/4	7/16-20	<a href="#">8V12 06 00</a>	09/1-220/6-KM	11	17	24,6	12,1	28,3	0,067
8	5/16	1/2-20	<a href="#">8V12 08 00</a>	09/1-220/8-KM	13	19	26,2	12,8	28,3	0,095
10	3/8	9/16-18	<a href="#">8V12 10 00</a>	09/1-220/10-KM	14	22	27,7	15,9	30,1	0,128
12	1/2	3/4-16	<a href="#">8V12 12 00</a>	09/1-220/12-KM	19	24	34,5	18,6	35	0,213
14-15-16	5/8	7/8-14	<a href="#">8V12 16 00</a>	09/1-220/16-KM	22	30	39,6	22,2	38,5	0,331
18-20	3/4	1"1/16-12	<a href="#">8V12 20 00</a>	09/1-220/20-KM	27	36	45,2	25	42,8	0,519
25	1	1"5/16-12	<a href="#">8V12 25 00</a>	09/1-220/25-KM	32	41	49,3	28,3	42,8	0,783
30-32	1"1/4	1"5/8-12	<a href="#">8V12 32 00</a>	09/1-220/32-KM	41	50	55,1	35,1	44,1	1,284
38	1"1/2	1"7/8-12	<a href="#">8V12 38 00</a>	09/1-220/38-KM	48	55	59,4	42,6	44,3	1,980

## Standpipe elbows



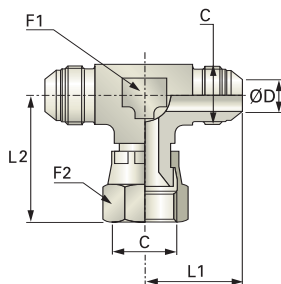
ØD mm	ØD inch	C UN/UNF		Bell code	F1	F2	L1	L2	
6	1/4	7/16-20	8046 06 00	09/1-290/6V	11	14	22,6	25,4	0,041
8	5/16	1/2-20	8046 08 00	09/1-290/8V	13	17	24,1	26,9	0,060
10	3/8	9/16-18	8046 10 00	09/1-290/10V	14	19	26,9	31,8	0,080
12	1/2	3/4-16	8046 12 00	09/1-290/12V	19	22	31,8	35,1	0,130
14-15-16	5/8	7/8-14	8046 16 00	09/1-290/16V	22	27	36,8	41,1	0,220
18-20	3/4	1"1/16-12	8046 20 00	09/1-290/20V	27	32	42,2	44,4	0,326
25	1	1"5/16-12	8046 25 00	09/1-290/25V	32	41	46	50,8	0,530
30-32	1"1/4	1"5/8-12	8046 32 00	09/1-290/32V	41	50	52,3	58,7	0,900
38	1"1/2	1"7/8-12	8046 38 00	09/1-290/38V	48	60	59,2	65,8	1,450



## 45° standpipe elbows



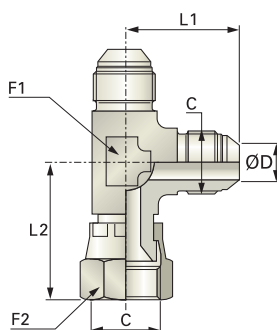
ØD mm	ØD inch	C UN/UNF		Bell code	F1	F2	L1	L2	
6	1/4	7/16-20	8036 06 00	09/7-290/6V	11	14	18,5	24	0,041
8	5/16	1/2-20	8036 08 00	09/7-290/8V	13	17	19,5	25,5	0,064
10	3/8	9/16-18	8036 10 00	09/7-290/10V	14	19	21	28,5	0,087
12	1/2	3/4-16	8036 12 00	09/7-290/12V	19	22	25	32,5	0,138
14-15-16	5/8	7/8-14	8036 16 00	09/7-290/16V	22	27	28	36,5	0,230
18-20	3/4	1"1/16-12	8036 20 00	09/7-290/20V	27	32	32,5	38	0,347
25	1	1"5/16-12	8036 25 00	09/7-290/25V	32	41	37,5	44,5	0,567
30-32	1"1/4	1"5/8-12	8036 32 00	09/7-290/32V	41	50	40,5	51,5	0,936
38	1"1/2	1"7/8-12	8036 38 00	09/7-290/38V	50	60	45	57	1,539



## Standpipe branch tees



ØD mm	ØD inch	C UN/UNF		Bell code	F1	F2	L1	L2	
6	1/4	7/16-20	<a href="#">8047 06 00</a>	09/2-290/6V	11	14	22,6	25,4	0,039
8	5/16	1/2-20	<a href="#">8047 08 00</a>	09/2-290/8V	13	17	24,1	26,9	0,054
10	3/8	9/16-18	<a href="#">8047 10 00</a>	09/2-290/10V	14	19	26,9	31,8	0,058
12	1/2	3/4-16	<a href="#">8047 12 00</a>	09/2-290/12V	19	22	31,8	35,1	0,128
14-15-16	5/8	7/8-14	<a href="#">8047 16 00</a>	09/2-290/16V	22	27	36,8	41,1	0,203
18-20	3/4	1"1/16-12	<a href="#">8047 20 00</a>	09/2-290/20V	27	32	42,2	44,4	0,330
25	1	1"5/16-12	<a href="#">8047 25 00</a>	09/2-290/25V	32	41	46	50,8	0,465
30-32	1"1/4	1"5/8-12	<a href="#">8047 32 00</a>	09/2-290/32V	41	50	52,3	58,7	0,808
38	1"1/2	1"7/8-12	<a href="#">8047 38 00</a>	09/2-290/38V	48	60	59,2	65,8	1,196

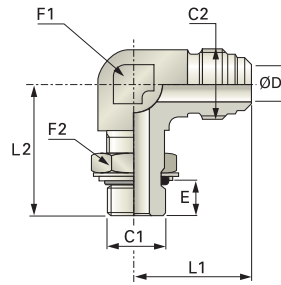
## Standpipe run tees



ØD mm	ØD inch	C UN/UNF		Bell code	F1	F2	L1	L2	
6	1/4	7/16-20	<a href="#">8048 06 00</a>	09/3-290/6V	11	14	22,6	25,4	0,063
8	5/16	1/2-20	<a href="#">8048 08 00</a>	09/3-290/8V	13	19	24,1	26,9	0,095
10	3/8	9/16-18	<a href="#">8048 10 00</a>	09/3-290/10V	14	19	26,9	31,8	0,112
12	1/2	3/4-16	<a href="#">8048 12 00</a>	09/3-290/12V	19	19	31,8	35,1	0,196
14-15-16	5/8	7/8-14	<a href="#">8048 16 00</a>	09/3-290/16V	22	22	36,8	41,1	0,329
18-20	3/4	1"1/16-12	<a href="#">8048 20 00</a>	09/3-290/20V	27	27	42,2	44,4	0,500
25	1	1"5/16-12	<a href="#">8048 25 00</a>	09/3-290/25V	32	32	46	50,8	0,785
30-32	1"1/4	1"5/8-12	<a href="#">8048 32 00</a>	09/3-290/32V	41	41	52,3	58,7	1,310
38	1"1/2	1"7/8-12	<a href="#">8048 38 00</a>	09/3-290/38V	48	48	59,2	61,5	2,100

## Adjustable male stud elbows with lock nut

BSP parallel  
O-ring and lock nut  
ISO 1179-3

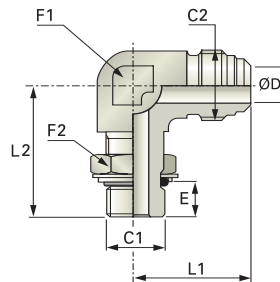


ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	E	F1	F2	L1	L2	
6	1/4	G1/8	7/16-20	<a href="#">8099 06 10</a>	09/1-020/6-G1/8	6,5	11	14	22,6	26	0,042
6	1/4	G1/4	7/16-20	<a href="#">8099 06 13</a>	09/1-020/6-G1/4	9,5	14	19	26,9	32	0,071
8	5/16	G1/4	1/2-20	<a href="#">8099 08 13</a>	09/1-020/8-G1/4	9,5	14	19	26,9	33	0,079
10	3/8	G1/4	9/16-18	<a href="#">8099 10 13</a>	09/1-020/10-G1/4	9,5	14	19	26,9	33	0,086
10	3/8	G3/8	9/16-18	<a href="#">8099 10 17</a>	09/1-020/10-G3/8	9,5	19	22	29	37	0,128
12	1/2	G3/8	3/4-16	<a href="#">8099 12 17</a>	09/1-020/12-G3/8	9,5	19	22	31,8	37	0,143
12	1/2	G1/2	3/4-16	<a href="#">8099 12 21</a>	09/1-020/12-G1/2	13	22	27	33,7	43	0,198
14-15-16	5/8	G1/2	7/8-14	<a href="#">8099 16 21</a>	09/1-020/16-G1/2	13	22	27	36,8	43	0,222
18-20	3/4	G1/2	1"1/16-12	<a href="#">8099 20 21</a>	09/1-020/20-G1/2	13	27	27	42,2	49,5	0,329
18-20	3/4	G3/4	1"1/16-12	<a href="#">8099 20 27</a>	09/1-020/20-G3/4	13	27	36	42,2	49,5	0,375
25	1	G3/4	1"5/16-12	<a href="#">8099 25 27</a>	09/1-020/25-G3/4	13	32	36	46	53	0,550
25	1	G1	1"5/16-12	<a href="#">8099 25 34</a>	09/1-020/25-G1	16	32	41	46	53	0,563
30-32	1"1/4	G1"1/4	1"5/8-12	<a href="#">8099 32 42</a>	09/1-020/32-G1 1/4	16	41	50	52,3	58	0,942
38	1"1/2	G1"1/2	1"7/8-12	<a href="#">8099 38 49</a>	09/1-020/38-G1 1/2	16	48	55	59,2	61,5	1,400

158

## Adjustable male stud elbows with lock nut

metric parallel  
O-ring and lock nut



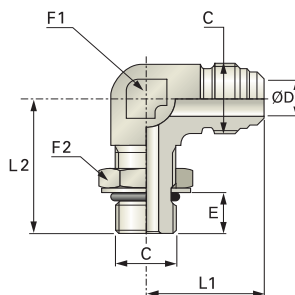
ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	E	F1	F2	L1	L2	
6	1/4	M12x1,5	7/16-20	<a href="#">8099 06 67</a>	09/1-020/6-M12X1,5	7,5	14	19	27	32	0,070
8	5/16	M14x1,5	1/2-20	<a href="#">8099 08 71</a>	09/1-020/8-M14X1,5	8,5	14	19	27	32	0,077
10	3/8	M16x1,5	9/16-18	<a href="#">8099 10 75</a>	09/1-020/10-M16X1,5	8,5	19	22	29	37	0,127
12	1/2	M18x1,5	3/4-16	<a href="#">8099 12 78</a>	09/1-020/12-M18X1,5	9	22	24	34	43	0,194
14-15-16	5/8	M22x1,5	7/8-14	<a href="#">8099 16 82</a>	09/1-020/16-M22X1,5	10,5	22	27	37	43	0,225
18-20	3/4	M27x2	1"1/16-12	<a href="#">8099 20 86</a>	09/1-020/20-M27X2	13	27	32	42	49,5	0,354
25	1	M33x2	1"5/16-12	<a href="#">8099 25 91</a>	09/1-020/25-M33X2	13	32	41	46	52	0,556



## Adjustable male stud elbows with lock nut

UN, UNF

O-ring

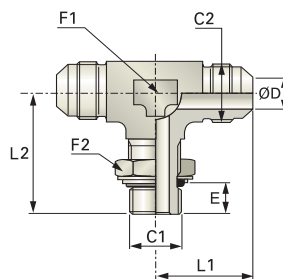
ISO 11926-2/3



ØD mm	ØD inch	C UN/UNF		Bell code	E	F1	F2	L1	L2	O-ring	
6	1/4	7/16-20	<a href="#">8099 06 103</a>	09/1-020/6-7/16-20UNF	9	11	14	22,6	26,2	8,92x1,83	0,044
8	5/16	1/2-20	<a href="#">8099 08 104</a>	09/1-020/8-1/2-20UNF	9	13	17	24,1	27,7	10,52x1,83	0,072
10	3/8	9/16-18	<a href="#">8099 10 105</a>	09/1-020/10-9/16-18UNF	10	14	17	26,9	31,8	11,89x1,98	0,089
12	1/2	3/4-16	<a href="#">8099 12 107</a>	09/1-020/12-3/4-16UNF	11	19	22	31,8	36,8	16,36x2,2	0,162
14-15-16	5/8	7/8-14	<a href="#">8099 16 108</a>	09/1-020/16-7/8-14UNF	12,5	22	27	36,8	43,2	19,18x2,46	0,237
18-20	3/4	1"1/16-12	<a href="#">8099 20 153</a>	09/1-020/20-1 1/16-12UN	15	27	32	42,2	49,3	23,47x2,95	0,379
25	1	1"5/16-12	<a href="#">8099 25 157</a>	09/1-020/25-1 5/16-12UN	15	32	41	46	52,1	29,74x2,95	0,563
30-32	1"1/4	1"5/8-12	<a href="#">8099 32 162</a>	09/1-020/32-1 5/8-12UN	15	41	50	52,3	57,2	37,47x3	0,947
38	1"1/2	1"7/8-12	<a href="#">8099 38 166</a>	09/1-020/38-1 7/8-12UN	15	48	55	59,2	60,7	43,69x3	1,390

## Adjustable male stud branch tees with lock nut

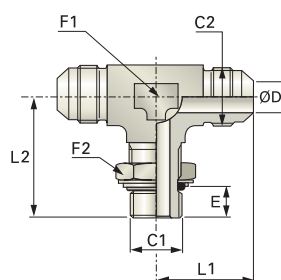
BSP parallel  
O-ring and lock nut  
ISO 1179-3



ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	E	F1	F2	L1	L2	
6	1/4	G1/8	7/16-20	<a href="#">8098 06 10</a>	09/1-030/6-G1/8	6,5	11	14	22,6	26	0,061
8	5/16	G1/4	1/2-20	<a href="#">8098 08 13</a>	09/1-030/8-G1/4	9,5	14	19	26,9	33	0,112
10	3/8	G1/4	9/16-18	<a href="#">8098 10 13</a>	09/1-030/10-G1/4	9,5	14	19	26,9	33	0,129
12	1/2	G3/8	3/4-16	<a href="#">8098 12 17</a>	09/1-030/12-G3/8	9,5	19	22	31,8	37	0,206
14-15-16	5/8	G1/2	7/8-14	<a href="#">8098 16 21</a>	09/1-030/16-G1/2	13	22	27	36,8	43	0,326
18-20	3/4	G3/4	1"1/16-12	<a href="#">8098 20 27</a>	09/1-030/20-G3/4	13	27	36	42,2	49,5	0,530
25	1	G1	1"5/16-12	<a href="#">8098 25 34</a>	09/1-030/25-G1	16	32	41	46	53	0,803
30-32	1"1/4	G1"1/4	1"5/8-12	<a href="#">8098 32 42</a>	09/1-030/32-G1 1/4	16	41	50	52,3	58	1,320
38	1"1/2	G1"1/2	1"7/8-12	<a href="#">8098 38 49</a>	09/1-030/38-G1 1/2	16	48	55	59,2	61,5	2,040

## Adjustable male stud branch tees with lock nut

metric parallel  
O-ring and lock nut



ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	E	F1	F2	L1	L2	
6	1/4	M12x1,5	7/16-20	<a href="#">8098 06 67</a>	09/1-030/6-M12X1,5	7,5	14	19	27	32	0,092
8	5/16	M14x1,5	1/2-20	<a href="#">8098 08 71</a>	09/1-030/8-M14X1,5	8,5	14	19	27	32	0,110
10	3/8	M16x1,5	9/16-18	<a href="#">8098 10 75</a>	09/1-030/10-M16X1,5	8,5	19	22	29	37	0,192
12	1/2	M18x1,5	3/4-16	<a href="#">8098 12 78</a>	09/1-030/12-M18X1,5	9	22	24	34	43	0,238
14-15-16	5/8	M22x1,5	7/8-14	<a href="#">8098 16 82</a>	09/1-030/16-M22X1,5	10,5	22	27	37	43	0,324
18-20	3/4	M27x2	1"1/16-12	<a href="#">8098 20 86</a>	09/1-030/20-M27X2	13	27	32	42	49,5	0,509
25	1	M33x2	1"5/16-12	<a href="#">8098 25 91</a>	09/1-030/25-M33X2	13	32	41	46	52	0,796

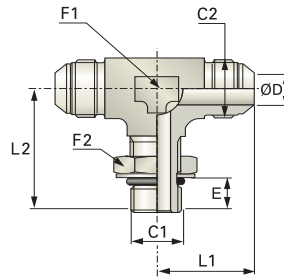




## Adjustable male stud branch tees with lock nut

UN, UNF

O-ring

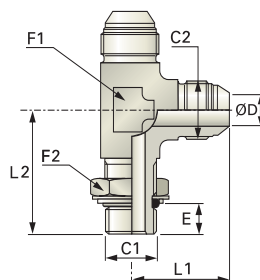
ISO 11926-2/3



ØD mm	ØD inch	C UN/UNF		Bell code	E	F1	F2	L1	L2	O-ring	
6	1/4	7/16-20	<a href="#">8098 06 103</a>	09/1-030/6-7/16-20UNF	9	11	14	22,6	26,2	8,92x1,83	0,066
8	5/16	1/2-20	<a href="#">8098 08 104</a>	09/1-030/8-1/2-20UNF	9	13	17	24,1	27,7	10,52x1,83	0,098
10	3/8	9/16-18	<a href="#">8098 10 105</a>	09/1-030/10-9/16-18UNF	10	14	17	26,9	31,8	11,89x1,98	0,132
12	1/2	3/4-16	<a href="#">8098 12 107</a>	09/1-030/12-3/4-16UNF	11	19	22	31,8	36,8	16,36x2,2	0,216
14-15-16	5/8	7/8-14	<a href="#">8098 16 108</a>	09/1-030/16-7/8-14UNF	12,5	22	27	36,8	43,2	19,18x2,46	0,450
18-20	3/4	1"1/16-12	<a href="#">8098 20 153</a>	09/1-030/20-1 1/16-12UN	15	27	32	42,2	49,3	23,47x2,95	0,534
25	1	1"5/16-12	<a href="#">8098 25 157</a>	09/1-030/25-1 5/16-12UN	15	32	41	46	52,1	29,74x2,95	0,803
30-32	1"1/4	1"5/8-12	<a href="#">8098 32 162</a>	09/1-030/32-1 5/8-12UN	15	41	50	52,3	57,2	37,47x3	1,320
38	1"1/2	1"7/8-12	<a href="#">8098 38 166</a>	09/1-030/38-1 7/8-12UN	15	48	55	59,2	60,7	43,69x3	2,030

## Adjustable male stud run tees with lock nut

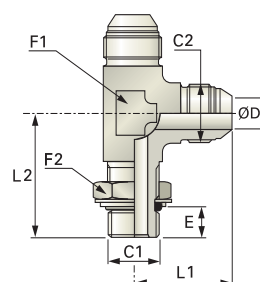
BSP parallel  
O-ring and lock nut  
ISO 1179-3



ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	E	F1	F2	L1	L2	
6	1/4	G1/8	7/16-20	<a href="#">8093 06 10</a>	09/1-040/6-G1/8	6,5	11	14	22,6	26	0,061
8	5/16	G1/4	1/2-20	<a href="#">8093 08 13</a>	09/1-040/8-G1/4	9,5	14	19	26,9	33	0,112
10	3/8	G1/4	9/16-18	<a href="#">8093 10 13</a>	09/1-040/10-G1/4	9,5	14	19	26,9	33	0,129
12	1/2	G3/8	3/4-16	<a href="#">8093 12 17</a>	09/1-040/12-G3/8	9,5	19	22	31,8	37	0,206
14-15-16	5/8	G1/2	7/8-14	<a href="#">8093 16 21</a>	09/1-040/16-G1/2	13	22	27	36,8	43	0,326
18-20	3/4	G3/4	1"1/16-12	<a href="#">8093 20 27</a>	09/1-040/20-G3/4	13	27	36	42,2	49,5	0,530
25	1	G1	1"5/16-12	<a href="#">8093 25 34</a>	09/1-040/25-G1	16	32	41	46	53	0,803
30-32	1"1/4	G1"1/4	1"5/8-12	<a href="#">8093 32 42</a>	09/1-040/32-G1 1/4	16	41	50	52,3	58	1,320
38	1"1/2	G1"1/2	1"7/8-12	<a href="#">8093 38 49</a>	09/1-040/38-G1 1/2	16	48	55	59,2	61,5	2,040

## Adjustable male stud run tees with lock nut

metric parallel  
O-ring and lock nut



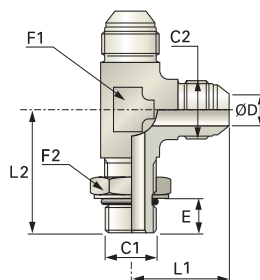
ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	E	F1	F2	L1	L2	
6	1/4	M12x1,5	7/16-20	<a href="#">8093 06 67</a>	09/1-040/6-M12X1,5	7,5	14	19	27	32	0,092
8	5/16	M14x1,5	1/2-20	<a href="#">8093 08 71</a>	09/1-040/8-M14X1,5	8,5	14	19	27	32	0,110
10	3/8	M16x1,5	9/16-18	<a href="#">8093 10 75</a>	09/1-040/10-M16X1,5	8,5	19	22	29	37	0,192
12	1/2	M18x1,5	3/4-16	<a href="#">8093 12 78</a>	09/1-040/12-M18X1,5	9	22	24	34	43	0,238
14-15-16	5/8	M22x1,5	7/8-14	<a href="#">8093 16 82</a>	09/1-040/16-M22X1,5	10,5	22	27	37	43	0,324
18-20	3/4	M27x2	1"1/16-12	<a href="#">8093 20 86</a>	09/1-040/20-M27X2	13	27	32	42	49,5	0,509
25	1	M33x2	1"5/16-12	<a href="#">8093 25 91</a>	09/1-040/25-M33X2	13	32	41	46	52	0,796

## Adjustable male stud run tees with lock nut

UN, UNF

O-ring

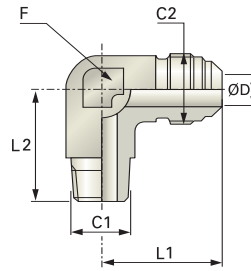
ISO 11926-2/3



ØD mm	ØD inch	C UN/UNF	Bell code	E	F1	F2	L1	L2	O-ring	
6	1/4	7/16-20	<a href="#">8093 06 103</a> 09/1-040/6-7/16-20UNF	9	11	14	22,6	26,2	8,92x1,83	0,066
8	5/16	1/2-20	<a href="#">8093 08 104</a> 09/1-040/8-1/2-20UNF	9	13	17	24,1	27,7	10,52x1,83	0,098
10	3/8	9/16-18	<a href="#">8093 10 105</a> 09/1-040/10-9/16-18UNF	10	14	17	26,9	31,8	11,89x1,98	0,132
12	1/2	3/4-16	<a href="#">8093 12 107</a> 09/1-040/12-3/4-16UNF	11	19	22	31,8	36,8	16,36x2,2	0,216
14-15-16	5/8	7/8-14	<a href="#">8093 16 108</a> 09/1-040/16-7/8-14UNF	12,5	22	27	36,8	43,2	19,18x2,46	0,450
18-20	3/4	1"1/16-12	<a href="#">8093 20 153</a> 09/1-040/20-1 1/16-12UN	15	27	32	42,2	49,3	23,47x2,95	0,534
25	1	1"5/16-12	<a href="#">8093 25 157</a> 09/1-040/25-1 5/16-12UN	15	32	41	46	52,1	29,74x2,95	0,803
30-32	1"1/4	1"5/8-12	<a href="#">8093 32 162</a> 09/1-040/32-1 5/8-12UN	15	41	50	52,3	57,2	37,47x3	1,320
38	1"1/2	1"7/8-12	<a href="#">8093 38 166</a> 09/1-040/38-1 7/8-12UN	15	48	55	59,2	60,7	43,69x3	2,030

## Male stud elbows

BSPT  
ISO 7

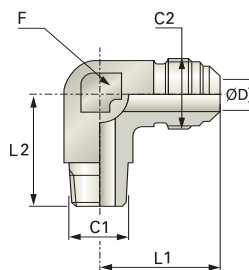


ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	F	L1	L2	
6	1/4	R1/8	7/16-20	8009 06 10	09-020/6-RK1/8	11	22,6	19,8	0,032
6	1/4	R1/4	7/16-20	8009 06 13	09-020/6-RK1/4	14	26,9	27,7	0,052
8	5/16	R1/8	1/2-20	8009 08 10	09-020/8-RK1/8	13	24,1	19,8	0,049
8	5/16	R1/4	1/2-20	8009 08 13	09-020/8-RK1/4	14	26,9	27,7	0,053
10	3/8	R1/4	9/16-18	8009 10 13	09-020/10-RK1/4	14	26,9	27,7	0,067
10	3/8	R3/8	9/16-18	8009 10 17	09-020/10-RK3/8	19	29	31	0,095
10	3/8	R1/2	9/16-18	8009 10 21	09-020/10-RK1/2	22	31,2	37,3	0,149
12	1/2	R1/4	3/4-16	8009 12 13	09-020/12-RK1/4	19	31,8	31	0,117
12	1/2	R3/8	3/4-16	8009 12 17	09-020/12-RK3/8	19	31,8	31	0,120
12	1/2	R1/2	3/4-16	8009 12 21	09-020/12-RK1/2	22	33,7	37,3	0,169
14-15-16	5/8	R3/8	7/8-14	8009 16 17	09-020/16-RK3/8	22	36,8	33	0,193
14-15-16	5/8	R1/2	7/8-14	8009 16 21	09-020/16-RK1/2	22	36,8	37,3	0,200
14-15-16	5/8	R3/4	7/8-14	8009 16 27	09-020/16-RK3/4	27	38,9	40,4	0,263
18-20	3/4	R1/2	1"1/16-12	8009 20 21	09-020/20-RK1/2	27	42,2	40,4	0,295
18-20	3/4	R3/4	1"1/16-12	8009 20 27	09-020/20-RK3/4	27	42,2	40,4	0,305
25	1	R3/4	1"5/16-12	8009 25 27	09-020/25-RK3/4	32	46	45,2	0,480
30-32	1"1/4	R1"1/4	1"5/8-12	8009 32 42	09-020/32-RK1 1/4	41	52,3	60,5	0,860

164

## Male stud elbows

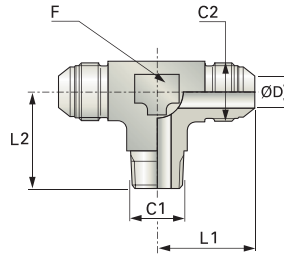
NPT



ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	F	L1	L2	
6	1/4	1/8	7/16-20	8009 06 11	09-020/6-NPT1/8	11	22,6	19,8	0,032
8	5/16	1/8	1/2-20	8009 08 11	09-020/8-NPT1/8	13	24,1	19,8	0,049
8	5/16	1/4	1/2-20	8009 08 14	09-020/8-NPT1/4	14	26,9	27,7	0,053
10	3/8	1/4	9/16-18	8009 10 14	09-020/10-NPT1/4	14	26,9	27,7	0,067
12	1/2	1/2	3/4-16	8009 12 22	09-020/12-NPT1/2	22	33,7	37,3	0,169
14-15-16	5/8	1/2	7/8-14	8009 16 22	09-020/16-NPT1/2	22	36,8	37,3	0,200
14-15-16	5/8	3/4	7/8-14	8009 16 28	09-020/16-NPT3/4	27	38,9	40,4	0,263
18-20	3/4	3/4	1"1/16-12	8009 20 28	09-020/20-NPT3/4	27	42,2	40,4	0,305
25	1	3/4	1"5/16-12	8009 25 34	09-020/25-NPT3/4	32	46	50	0,510
25	1	1	1"5/16-12	8009 25 35	09-020/25-NPT1	32	46	50	0,510
30-32	1"1/4	1"1/4	1"5/8-12	8009 32 43	09-020/32-NPT1 1/4	41	52,3	60,5	0,860

## Male stud branch tees

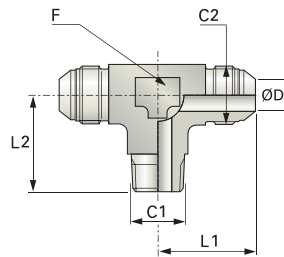
BSPT  
ISO 7



ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	F	L1	L2	
6	1/4	R1/8	7/16-20	<a href="#">8008 06 10</a>	09-030/6-RK1/8	11	22,6	19,8	0,052
8	5/16	R1/8	1/2-20	<a href="#">8008 08 10</a>	09-030/8-RK1/4	13	24,1	19,8	0,081
10	3/8	R1/4	9/16-18	<a href="#">8008 10 13</a>	09-030/10-RK1/4	14	26,9	27,7	0,111
12	1/2	R3/8	3/4-16	<a href="#">8008 12 17</a>	09-030/12-RK3/8	19	31,8	31	0,183
14-15-16	5/8	R1/2	7/8-14	<a href="#">8008 16 21</a>	09-030/16-RK1/2	22	36,8	37,3	0,294
18-20	3/4	R3/4	1"1/16-12	<a href="#">8008 20 27</a>	09-030/20-RK3/4	27	42,2	40,4	0,458
25	1	R1	1"5/16-12	<a href="#">8008 25 34</a>	09-030/25-RK1	32	46	50	0,720

## Male stud branch tees

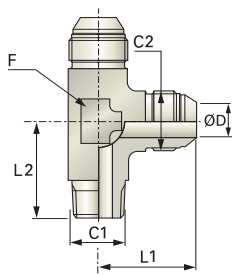
NPT



ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	F	L1	L2	
6	1/4	1/8	7/16-20	<a href="#">8008 06 11</a>	09-030/6-NPT1/8	11	22,6	19,8	0,052
8	5/16	1/8	1/2-20	<a href="#">8008 08 11</a>	09-030/8-NPT1/8	13	24,1	19,8	0,081
10	3/8	1/4	9/16-18	<a href="#">8008 10 14</a>	09-030/10-NPT1/4	14	26,9	27,7	0,111
12	1/2	3/8	3/4-16	<a href="#">8008 12 18</a>	09-030/12-NPT3/8	19	31,8	31	0,183
14-15-16	5/8	1/2	7/8-14	<a href="#">8008 16 22</a>	09-030/16-NPT1/2	22	36,8	37,3	0,294
18-20	3/4	3/4	1"1/16-12	<a href="#">8008 20 28</a>	09-030/20-NPT3/4	27	42,2	40,4	0,458
25	1	1	1"5/16-12	<a href="#">8008 25 35</a>	09-030/25-NPT1	32	46	50	0,720

## Male stud run tees

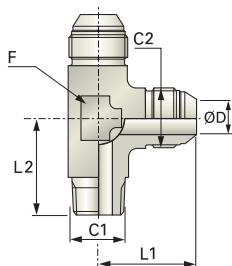
BSPT  
ISO 7



ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	F	L1	L2	
6	1/4	R1/8	7/16-20	<a href="#">8003 06 10</a>	09-040/6-RK1/8	11	22,6	19,8	0,052
8	5/16	R1/8	1/2-20	<a href="#">8003 08 10</a>	09-040/8-RK1/8	13	24,1	19,8	0,081
10	3/8	R1/4	9/16-18	<a href="#">8003 10 13</a>	09-040/10-RK1/4	14	26,9	27,7	0,111
12	1/2	R3/8	3/4-16	<a href="#">8003 12 17</a>	09-040/12-RK3/8	19	31,8	31	0,183
14-15-16	5/8	R1/2	7/8-14	<a href="#">8003 16 21</a>	09-040/16-RK1/2	22	36,8	37,3	0,294
18-20	3/4	R3/4	1"1/16-12	<a href="#">8003 20 27</a>	09-040/20-RK3/4	27	42,2	40,4	0,458
25	1	R1	1"5/16-12	<a href="#">8003 25 34</a>	09-040/25-RK1	32	46	50	0,720

## Male stud run tees

NPT

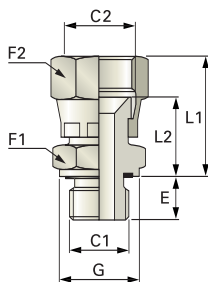




ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	F	L1	L2	
6	1/4	1/8	7/16-20	<a href="#">8003 06 11</a>	09-040/6-NPT1/8	11	22,9	19,8	0,052
8	5/16	1/8	1/2-20	<a href="#">8003 08 11</a>	09-040/8-NPT1/8	13	24,1	19,8	0,081
10	3/8	1/4	9/16-18	<a href="#">8003 10 14</a>	09-040/10-NPT1/4	14	26,9	27,7	0,111
12	1/2	3/8	3/4-16	<a href="#">8003 12 18</a>	09-040/12-NPT3/8	19	31,8	31	0,183
14-15-16	5/8	1/2	7/8-14	<a href="#">8003 16 22</a>	09-040/16-NPT1/2	22	36,8	37,3	0,294
18-20	3/4	3/4	1"1/16-12	<a href="#">8003 20 28</a>	09-040/20-NPT3/4	27	42,2	40,4	0,458
25	1	1	1"5/16-12	<a href="#">8003 25 35</a>	09-040/25-NPT1	32	46	50	0,720



## Adjustable male stud standpipes

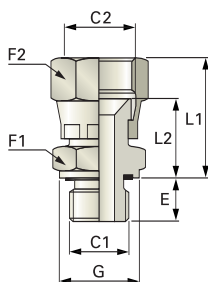
BSP parallel  
elastomer seal  
ISO 1179-2





ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	E	F1	F2	G	L1	L2	
6	1/4	G1/8	7/16-20	<a href="#">8441 06 10</a>	09-28/6-RD1/8	6,5	14	14	13,9	25,6	16,9	0,024
8	5/16	G1/4	1/2-20	<a href="#">8441 08 13</a>	09-28/8-RD1/4	9,5	19	17	18,9	26,5	17	0,045
10	3/8	G1/4	9/16-18	<a href="#">8441 10 13</a>	09-28/10-RD1/4	9,5	19	19	18,9	27,5	18	0,049
10	3/8	G3/8	9/16-18	<a href="#">8441 10 17</a>	09-28/10-RD3/8	9,5	22	19	21,9	28,5	19	0,064
12	1/2	G3/8	3/4-16	<a href="#">8441 12 17</a>	09-28/12-RD3/8	12	22	22	21,9	39,5	20,5	0,072
14-15-16	5/8	G1/2	7/8-14	<a href="#">8441 16 21</a>	09-28/16-RD1/2	13	30	27	26,9	35,9	23,2	0,135
18-20	3/4	G3/4	1"1/16-12	<a href="#">8441 20 27</a>	09-28/20-RD3/4	13	36	32	31,9	38,3	24	0,193
25	1	G1	1"5/16-12	<a href="#">8441 25 34</a>	09-28/25-RD1	16	46	41	39,9	43,1	28	0,357
30-32	1"1/4	G1"1/4	1"5/8-12	<a href="#">8441 32 42</a>	09-28/32-RD1 1/4	16	50	50	49,9	48,4	32,5	0,519
38	1"1/2	G1"1/2	1"7/8-12	<a href="#">8441 38 49</a>	09-28/38-RD1 1/2	16	55	60	54,9	53,6	35	0,712

## Adjustable male stud standpipes

metric parallel  
elastomer seal  
ISO 9974-2



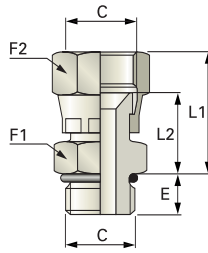
ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	E	F1	F2	G	L1	L2	
6	1/4	M10x1	7/16-20	<a href="#">8441 06 60</a>	09-28/6-MD10X1	8	14	14	13,9	25,2	16,5	0,025
8	5/16	M12x1,5	1/2-20	<a href="#">8441 08 67</a>	09-28/8-MD12X1,5	12	17	17	16,9	26,5	17	0,042
10	3/8	M14x1,5	9/16-18	<a href="#">8441 10 71</a>	09-28/10-MD14X1,5	12	19	19	18,9	27	17,5	0,052
12	1/2	M16x1,5	3/4-16	<a href="#">8441 12 75</a>	09-28/12-MD16X1,5	12	22	22	21,9	30,7	20	0,072
14-15-16	5/8	M22x1,5	7/8-14	<a href="#">8441 16 82</a>	09-28/16-MD22X1,5	14	27	27	26,9	35,7	23	0,122
18-20	3/4	M27x2	1"1/16-12	<a href="#">8441 20 86</a>	09-28/20-MD27X2	16	32	32	31,9	38,3	24	0,181
25	1	M33x2	1"5/16-12	<a href="#">8441 25 91</a>	09-28/25-MD33X2	18	41	41	39,9	43,1	28	0,321
30-32	1"1/4	M42x2	1"5/8-12	<a href="#">8441 32 96</a>	09-28/32-MD42X2	20	50	50	49,9	48,6	32,5	0,544

## Adjustable male stud standpipes

UN, UNF

O-ring

ISO 11926-2/3

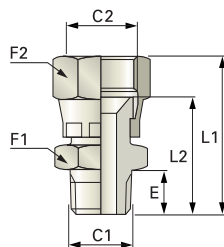




ØD mm	ØD inch	C UN/UNF	Bell code	E	F1	F2	L1	L2	O-ring	
6	1/4	7/16-20	<a href="#">8441 06 103</a> 09-28/6-7/16-20UNF	9	14	14	25,3	16,6	8,92x1,83	0,027
8	5/16	1/2-20	<a href="#">8441 08 104</a> 09-28/8-1/2-20UNF	9	17	17	26,1	16,6	10,52x1,83	0,039
10	3/8	9/16-18	<a href="#">8441 10 105</a> 09-28/10-9/16-18UNF	10	17	19	28	18,5	11,89x1,98	0,047
12	1/2	3/4-16	<a href="#">8441 12 107</a> 09-28/12-3/4-16UNF	11	22	22	31,2	20,5	16,36x2,2	0,073
14-15-16	5/8	7/8-14	<a href="#">8441 16 108</a> 09-28/16-7/8-14UNF	12,7	27	27	35,5	22,8	19,18x2,46	0,123
18-20	3/4	1"1/16-12	<a href="#">8441 20 153</a> 09-28/20-1 1/16-12UN	15	32	32	38,6	24,3	23,47x2,95	0,195
25	1	1"5/16-12*	<a href="#">8441 25 157</a> 09-28/25-1 5/16-12UN	15	41*	41	42,4	27,3	29,47x2,95	0,346
30-32	1"1/4	1"5/8-12	<a href="#">8441 32 162</a> 09-28/32-1 5/8-12UN	15	50	50	48	32,1	37,47x3	0,505

\* With shoulder Ø 38,2

## Adjustable male stud standpipes

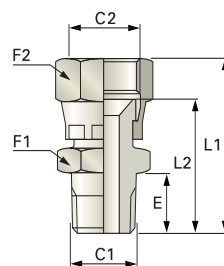
BSPT  
ISO 7





ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	E	F1	F2	L1	L2	
6	1/4	R1/4	7/16-20	<a href="#">8445 06 13</a>	09-28/6-RK1/4	14,2	14	14	38,4	29,7	0,033
8	5/16	R1/4	1/2-20	<a href="#">8445 08 13</a>	09-28/8-RK1/4	14,2	14	17	39,2	29,7	0,037
10	3/8	R1/4	9/16-18	<a href="#">8445 10 13</a>	09-28/10-RK1/4	14,2	14	19	40,2	30,7	0,041
12	1/2	R1/4	3/4-16	<a href="#">8445 12 13</a>	09-28/12-RK1/4	14,2	19	22	42,7	32	0,058
12	1/2	R3/8	3/4-16	<a href="#">8445 12 17</a>	09-28/12-RK3/8	14,2	19	22	42,7	32	0,064
14-15-16	5/8	R1/2	7/8-14	<a href="#">8445 16 21</a>	09-28/16-RK1/2	19	22	27	51,3	38,6	0,105
18-20	3/4	R1/2	1"1/16-12	<a href="#">8445 20 21</a>	09-28/20-RK1/2	19	27	32	54,5	40,2	0,146
25	1	R1	1"5/16-12	<a href="#">8445 25 34</a>	09-28/25-RK1	23,9	36	50	64,5	48,6	0,285
30-32	1"1/4	R1"1/4	1"5/8-12	<a href="#">8445 32 42</a>	09-28/32-RK1 1/4	24,6	46	50	68,9	53	0,482
38	1"1/2	R1"1/2	1"7/8-12	<a href="#">8445 38 49</a>	09-28/38-RK1 1/2	25,4	50	60	74,6	56	0,664

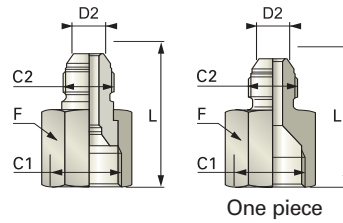
## Adjustable male stud standpipes

NPT



ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	E	F1	F2	L1	L2	
6	1/4	1/4	7/16-20	<a href="#">8445 06 14</a>	09-28/6-NPT1/4	15,1	14	14	38,4	29,7	0,033
8	5/16	1/4	1/2-20	<a href="#">8445 08 14</a>	09-28/8-NPT1/4	15,1	14	17	39,2	29,7	0,037
10	3/8	1/4	9/16-18	<a href="#">8445 10 14</a>	09-28/10-NPT1/4	15,1	14	19	40,2	30,7	0,041
12	1/2	3/8	3/4-16	<a href="#">8445 12 18</a>	09-28/12-NPT3/8	15,25	19	22	42,7	32	0,064
14-15-16	5/8	1/2	7/8-14	<a href="#">8445 16 22</a>	09-28/16-NPT1/2	19,85	22	27	51,3	38,6	0,105
18-20	3/4	1/2	1"1/16-12	<a href="#">8445 20 22</a>	09-28/20-NPT1/2	19,85	27	32	54,5	40,2	0,146
25	1	3/4	1"5/16-12	<a href="#">8445 25 28</a>	09-28/25-NPT3/4	20,15	32	41	58,8	43,7	0,212
30-32	1"1/4	1"1/4	1"5/8-12	<a href="#">8445 32 43</a>	09-28/32-NPT1 1/4	25,62	46	50	68,9	53	0,482
38	1"1/2	1"1/2	1"7/8-12	<a href="#">8445 38 50</a>	09-28/38-NPT1 1/2	26	50	60	76,2	57,6	0,664

## Reducing couplings for tubes

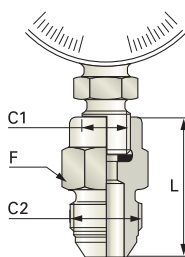




ØD1	ØD2	ØD1 inch	ØD2 inch	C1 UN/UNF	C2 UN/UNF		Bell code	F	L	
10	6	3/8	1/4	9/16-18	7/16-20	8066 10 06	09-290/10-6V	19	35,6	0,048
12	6	1/2	1/4	3/4-16	7/16-20	8066 12 06	09-290/12-6V	22	38,2	0,056
12	8	1/2	5/16	3/4-16	1/2-20	8066 12 08	09-290/12-8V	22	38,2	0,067
12	10	1/2	3/8	3/4-16	9/16-18	8066 12 10	09-290/12-10V	22	38,2	0,070
14-15-16	10	5/8	3/8	7/8-14	9/16-18	8066 16 10	09-290/16-10V	27	41,2	0,105
18-20	10	3/4	3/8	1"1/16-12	9/16-18	8066 20 10	09-290/20-10V	32	42,8	0,134
18-20	12	3/4	1/2	1"1/16-12	3/4-16	8066 20 12	09-290/20-12V	32	45,3	0,154
18-20	16	3/4	5/8	1"1/16-12	7/8-14	8066 20 16*	09-290/20-16	32	42,1	0,171
25	20	1	3/4	1"5/16-12	1"1/16-12	8066 25 20	09-290/25-20V	41	54,6	0,318

\* one piece

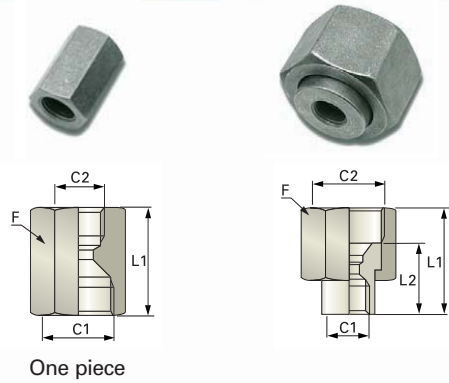
## Pressure gauge connectors

BSP parallel



ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	F	L	
6	1/4	G1/4	7/16-20	<a href="#">8014 06 13</a>	09-230/6-R1/4-CU	19	31	0,047
6	1/4	G1/2	7/16-20	<a href="#">8014 06 21</a>	09-230/6-R1/2-CU	27	41	0,098
8	5/16	G1/4	1/2-20	<a href="#">8014 08 13</a>	09-230/8-R1/4-CU	19	28	0,051
8	5/16	G1/2	1/2-20	<a href="#">8014 08 21</a>	09-230/8-R1/2-CU	27	41	0,107
10	3/8	G1/4	9/16-18	<a href="#">8014 10 13</a>	09-230/10-R1/4-CU	19	28	0,061
10	3/8	G1/2	9/16-18	<a href="#">8014 10 21</a>	09-230/10-R1/2-CU	27	35	0,098
12	1/2	G1/4	3/4-16	<a href="#">8014 12 13</a>	09-230/12-R1/4-CU	19	31	0,081
12	1/2	G1/2	3/4-16	<a href="#">8014 12 21</a>	09-230/12-R1/2-CU	27	38	0,120

## Adaptors for pressure gauge connection

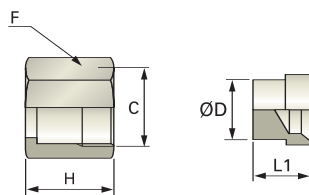




ØD mm	ØD inch	C1	C2 UN/UNF		Bell code	F	L1	L2	
6	1/4	G1/4	7/16-20	<a href="#">8415 06 13*</a>	09-400/6-R1/4	19	29		0,024
8	5/16	G1/4	1/2-20	<a href="#">8415 08 13*</a>	09-400/8-R1/4	19	29		0,022
10	3/8	G1/4	9/16-18	<a href="#">8415 10 13*</a>	09-400/10-R1/4	19	29		0,020
12	1/2	G1/4	3/4-16	<a href="#">8415 12 13*</a>	09-400/12-R1/4	22	32		0,062
14-15-16	5/8	G1/4	7/8-14	<a href="#">8415 16 13*</a>	09-400/16-R1/4	27	33		0,105
18-20	3/4	G1/4	1"1/16-12	<a href="#">8415 20 13</a>	09-40/20-R1/4	32	35	19,9	0,110
25	1	G1/4	1"5/16-12	<a href="#">8415 25 13</a>	09-40/25-R1/4	41	35	17,7	0,197
30-32	1"1/4	G1/4	1"5/8-12	<a href="#">8415 32 13</a>	09-40/32-R1/4	50	37	19,1	0,320
38	1"1/2	G1/4	1"7/8-12	<a href="#">8415 38 13</a>	09-40/38-R1/4	60	43	21,9	0,550

\* One piece

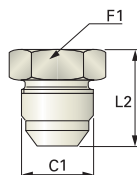




## Standpipe end plug with nut



ØD mm	ØD inch		Bell code	F	H	L1	
6	1/4	<a href="#">8426 06 01</a>	09-37/6	14	15,5	11	0,004
8	5/16	<a href="#">8426 08 01</a>	09-37/8	17	17	12	0,007
10	3/8	<a href="#">8426 10 01</a>	09-37/10	19	18,3	12	0,008
12	1/2	<a href="#">8426 12 01</a>	09-37/12	22	21,3	14	0,019
14-15-16	5/8	<a href="#">8426 16 01</a>	09-37/16	27	24,6	15	0,027
18-20	3/4	<a href="#">8426 20 01</a>	09-37/20	32	25,9	16	0,040
25	1	<a href="#">8426 25 01</a>	09-37/25	41	28,4	18	0,071
30-32	1"1/4	<a href="#">8426 32 01</a>	09-37/32	50	31	21	0,120
38	1"1/2	<a href="#">8426 38 01</a>	09-37/38	60	35,8	22	0,175

## Socket head port plug



ØD mm	ØD inch	C1 UN/UNF		Bell code	F1	L2	
6	1/4	7/16-20	<a href="#">8425 06 00</a>	09-360/6	12	20,5	0,013
8	5/16	1/2-20	<a href="#">8425 08 00</a>	09-360/8	14	20,5	0,017
10	3/8	9/16-18	<a href="#">8425 10 00</a>	09-360/10	17	21,5	0,019
12	1/2	3/4-16	<a href="#">8425 12 00</a>	09-360/12	19	24	0,039
14-15-16	5/8	7/8-14	<a href="#">8425 16 00</a>	09-360/16	24	28	0,060
18-20	3/4	1"1/16-12	<a href="#">8425 20 00</a>	09-360/20	27	32,5	0,093
25	1	1"5/16-12	<a href="#">8425 25 00</a>	09-360/25	36	34	0,298
30-32	1"1/4	1"5/8-12	<a href="#">8425 32 00</a>	09-360/32	46	37	0,269
38	1"1/2	1"7/8-12	<a href="#">8425 38 00</a>	09-360/38	50	45	0,360