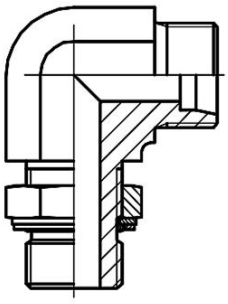
DIN BSPP Stud Fitting/ BSPP Stud Connector





ELBOW ADJUST TYPE H, STRAIGHT TYPE G

BSPP STUD TYPES:

ISO 1179-2 ED Seal E Type

ISO 1179-3 O+Ring AND Retaining Ring RR "G" Type And "H" Type

ISO 1179-4 Metal Cutting Face Seal "B" Type

DIN 3852--2 Bonded Washer Seal

JIS B2351 O-ring Seal

MATCH PORT TYPES:

ISO 1179-1 Flat Face Seal Port

JIS B2351 O-ring Seal Port

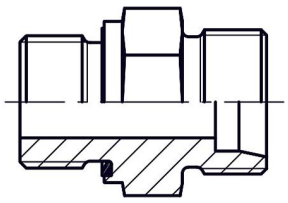
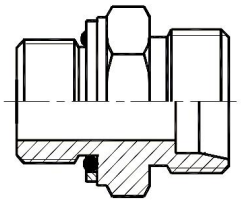
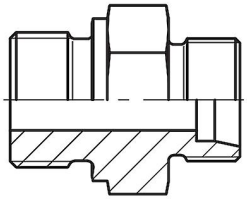
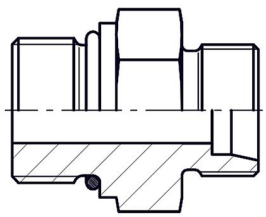
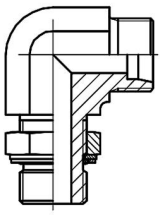
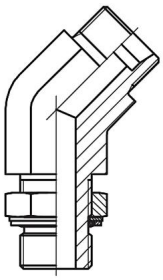
FITSCH

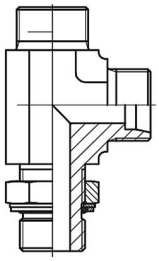
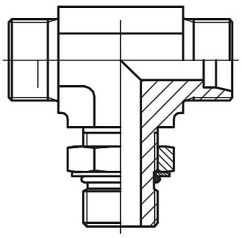
DIN BSPP Male Stud Fittings Introduction

This male stud connector is from DIN 24 degree cone tube end to BSPP stud ends, types of sealing including ISO 1179-2 ED Seal, ISO 1179-3 O+Ring AND Retaining Ring RR "G" Type And "H" Type, ISO 1179-4 Metal Cutting Face Seal "B" Type, DIN 3852--2 Bonded Washer Seal and JIS B2351 O-ring Seal. It will be matched with BSPP port such as ISO 1179-1 Flat Face Seal Port and JIS B2351 O-ring Seal Port. It is most popular male stud fittings in Europe, UK, Japan and the other countries.

Overview catalogue Of DIN Male Stud Fittings Connectors

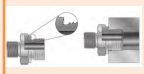
DIN male BSPP stud fitting is made of these shapes(Parker-Eaton series no), from hex bar or forging body as follows:

GE-R-ED / 1CB-WD 	**1CG** 	**GE-R / 1CB-B** 
1CG-JIS 	**WEE-R / 1CG9-OG** 	**VEE-R / 1CG4-OG** 

LEE-R / ACCG-OG	LEE-R / ACGC-OG	
		

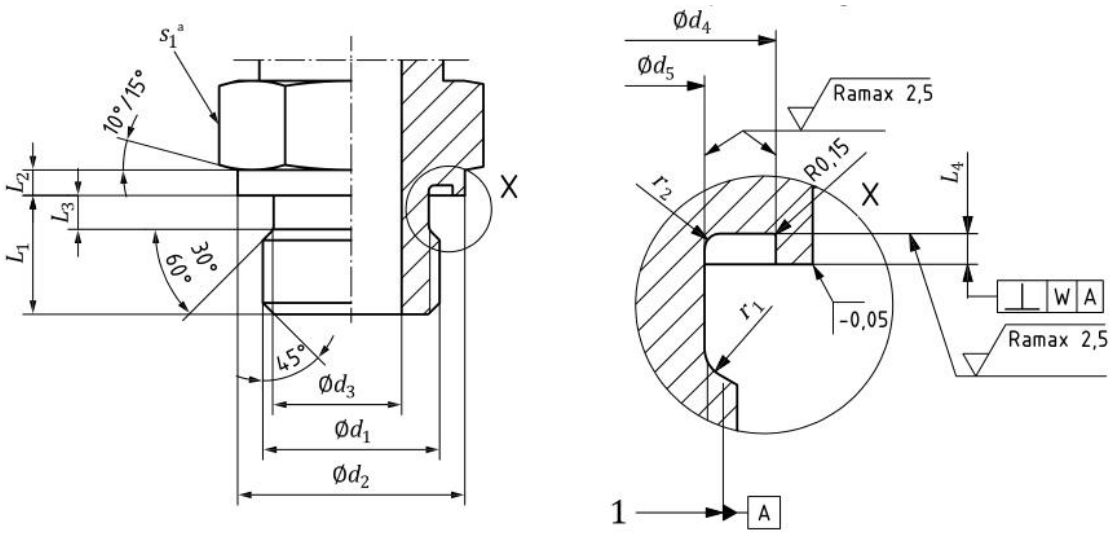
Advantage Of Different BSPP Male Stud Fittings

We selection male port end type and seal type according to different applications, most popular selection is ED seal and O-ring seal for vibration application, next is O-ring and retaining ring, bonded seal. For high temperature application, the right choose is metal cutting face.

Port End Type and Seal Style	Illustration	Pressure Dynamic	Pressure Static	Temperature	Positioning	Contamination	Seal Reliability	Reusability	Fluid Compatibility
Spot Face with ED Seal ISO 1179-2		Excellent	Excellent	Limited by Seal	Not Applicable	Very Good	Excellent	Excellent	Limited by Seal
Spot Face with Bonded Seal ISO 1179		Good	Good	Good	Not Applicable	Very Good	Good	Excellent	Limited by Seal
Spot Face with O-Ring and Retaining Ring (ISO 1179-3)		Good	Good	Good	Excellent	Very Good	Good	Excellent	Limited by Seal
O-Ring in Chamfer JIS B2351		Excellent	Excellent	Limited by Seal	Excellent	Very Good	Excellent	Excellent	Limited by Seal
Spot Face with Cutting Face ISO 1179-4		Poor	Fair	Excellent	Not Applicable	Fair	Poor	Poor	Excellent

Dimensions Of Different BSPP Male Stud Fittings

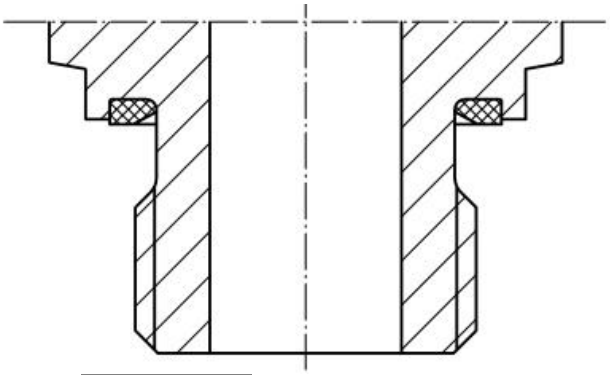
1. ISO 1179-2 Heavy-duty (S series) and light-duty (L series) stud ends with elastomeric sealing (type E)

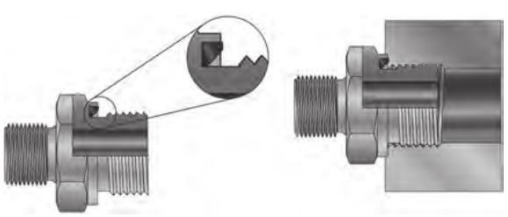


Dimension of ISO 1179-2 ED Seal E Type L and S series

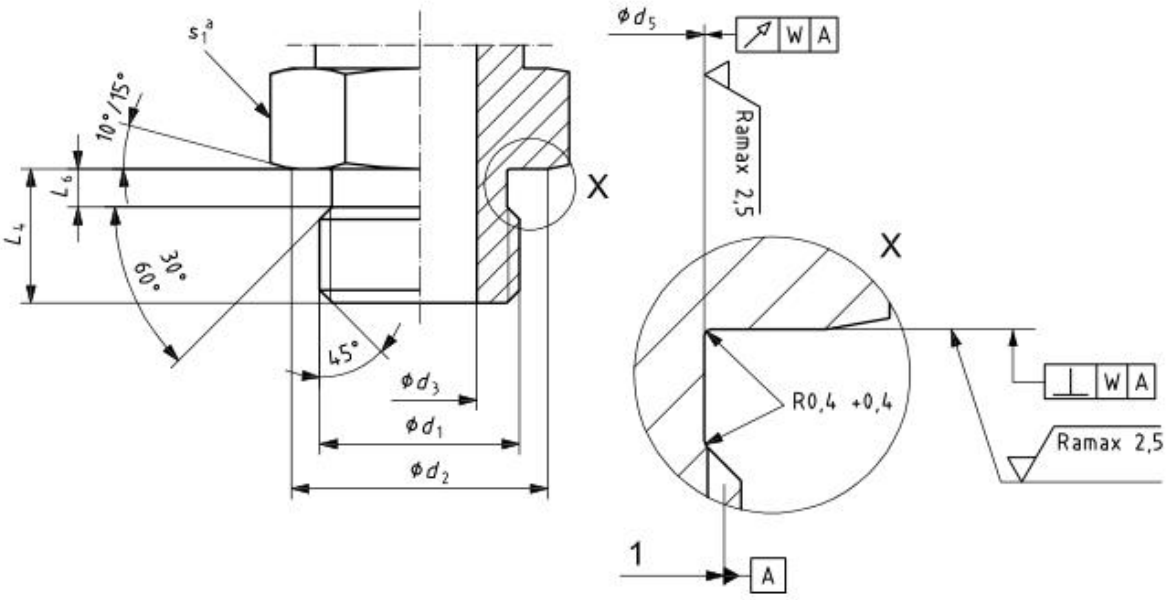
Thread d1	d2 -0.2	Inside diameter d3				d4 +0.1 0	d5 0 -0.2	L1 ±0.2	L2 min.	L3 +0.3 0	L4 +0.1 0	r1 ±0.2	r2 ±0.1	s1 hex	w
		L series	tol.	S series	tol.										
G1/8A	13.9	4	±0.1			12	8.3	8	1.5	2	0.7	1	0.5	14	0.1
G1/4A	18.9	6	±0.1	5	±0.1	16.6	11.2	12	2	3	1.2	1.2	0.5	19	0.1
G3/8A	21.9	9	±0.2	8	±0.2	19	14.7	12	2.5	3	1.2	1.2	0.6	22	0.1
G1/2A	26.9	14	±0.2	12	±0.2	24	18.4	14	3	4	1.2	1.2	0.6	27	0.1
G3/4A	31.9	18	±0.2	16	±0.2	29.3	23.8	16	3	4	1.2	1.2	0.6	32	0.2
G1A	39.9	23	±0.2	20	±0.2	36	29.6	18	3	5	1.6	1.6	0.8	41	0.2
G11/4A	49.9	30	±0.2	25	±0.2	46	38.6	20	3	5	1.6	1.6	0.8	50	0.2
G11/2A	54.9	36	±0.3	32	±0.3	51	44.5	22	3	5	1.6	1.6	0.8	55	0.2
G2A	74.9	-	±0.3	40	±0.3	66.9	56.4	24	3.5	5	3.4	1.6	0.8	75	0.2

Correct Assembly of elastometric seal on stud end

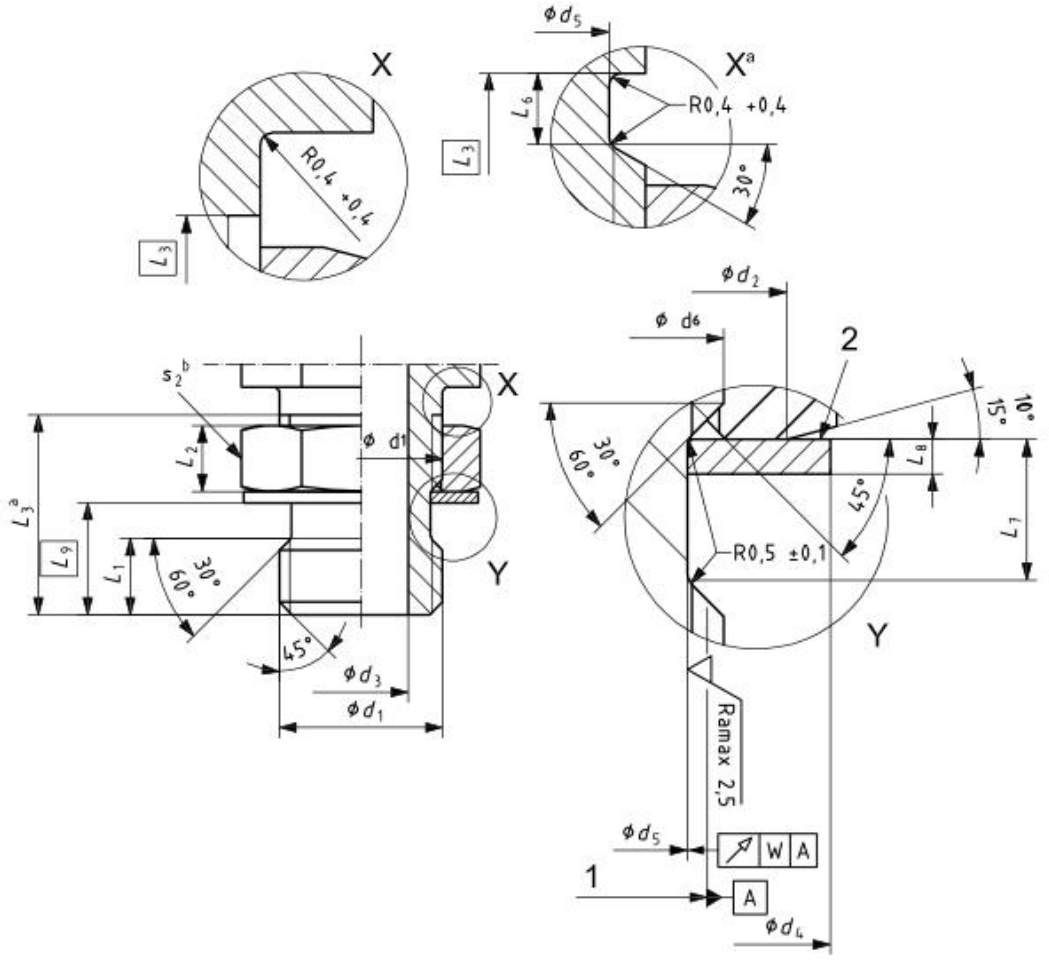




2. ISO 1179-3 Light-duty (L series) stud ends with sealing by O-ring with retaining ring (types G and H)



ISO 1179-3 light-duty (L series) non-adjustable stud end Type G



ISO 1179-3 light-duty (L series) adjustable stud end Type H

Dimensions of ISO 1179-3 stud end for light-duty (L series) stud ends Types G and H

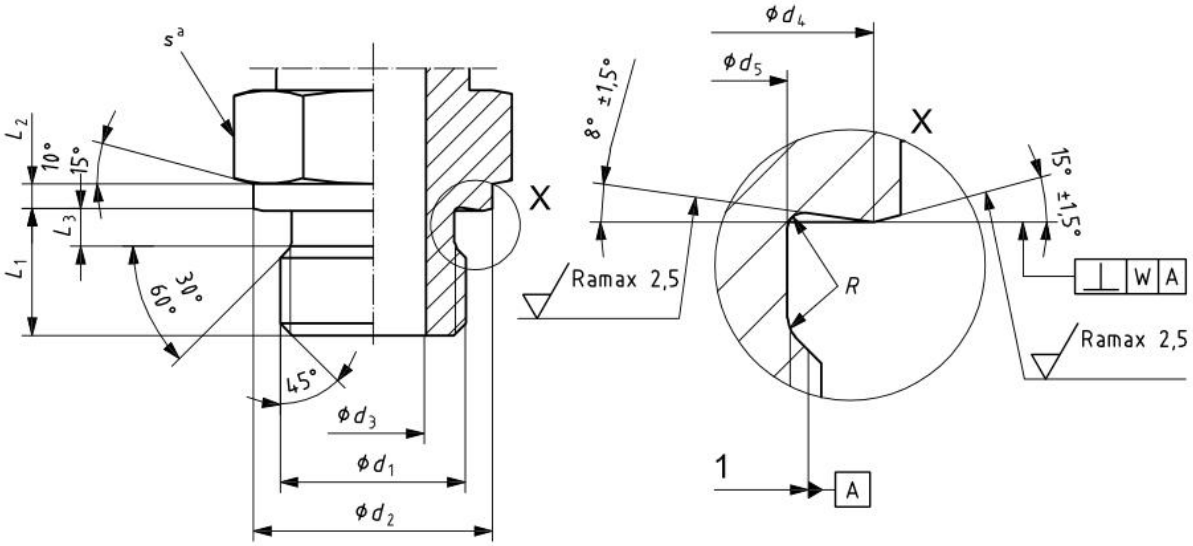
Thread size d1	d2	Maximum drill size d3 nom.	tol.	d4 ±0.4	d5 -0.1	d6 +0.4	L1 ±0.2	L2 ±0.2	L3 ref.	L4 ±0.2	L6 -0.3	L7 ±0.1	L8 ±0.08	L9 ref.	S1 hex	S2 hex	W
G1/8A	13.8	4.4	±0.1	16.7	8.27	9.8	6	5.6	16	7.6	1.8	3.4	0.9	8.5	14	14	0.1
G1/4A	18.8	7.5	±0.2	20.2	11.11	13.3	8	7.1	20	11.2	3.2	4.1	0.9	11.2	19	19	0.1
3/8A	21.8	9.9	±0.2	24	14.47	16.8	8	7.1	20	11.2	3.2	4.1	1	11.1	22	22	0.1
G1/2A	29.8	12.3	±0.2	29.1	18.2	21.1	10	8.6	26.1	14.5	3.2	6.1	1.2	14.9	30	27	0.1
G3/4A	35.8	15.5	±0.2	36.4	23.71	26.5	10	8.6	26.1	14.5	3.2	6.1	1.2	14.9	36	36	0.2
G1A	45.8	21.5	±0.2	45.6	29.88	33.3	12	11.9	30	18.6	3.8	6.5	1.2	17.3	46	41	0.2
G1 1/4A	49.8	27.5	±0.2	53.5	38.42	42	12	11.9	30	18.6	3.8	6.5	1.2	17.3	50	50	0.2
G1 1/2A	54.8	33	±0.3	60	44.36	47.9	12	11.9	30	18.6	3.8	6.5	1.2	17.3	55	55	0.2

Pressures for ISO 1179-3 light-duty (L series) stud ends Types G and H

Thread	Non adjustable Type G						Adjustable Type H					
	Working pressure		Test pressure				Working pressure		Test pressure			
			Burst		Impulse				Burst		Impulse	
	MPa	bar	MPa	bar	MPa	bar	MPa	bar	MPa	bar	MPa	bar
G1/8A	31.5	315	126	1260	41.9	419	20	200	80	800	26.6	266
G1/4A	31.5	315	126	1260	41.9	419	20	200	80	800	26.6	266
G 3/8A	31.5	315	126	1260	41.9	419	20	200	80	800	26.6	266
G1/2A	25	250	100	1000	33.2	332	20	200	80	800	26.6	266
3/4A	25	250	100	1000	33.2	332	20	200	80	800	26.6	266
G1A	25	250	100	1000	33.2	332	20	200	80	800	26.6	266
G1 1/4A	16	160	64	640	21.3	213	16	160	64	640	21.3	213
G1 1/2A	16	160	64	640	21.3	213	16	160	64	640	21.3	213

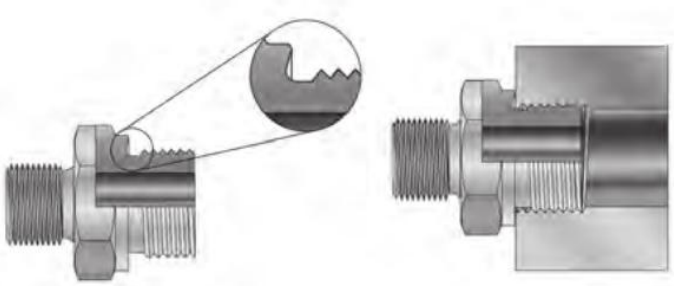


3. ISO 1179-4 Stud ends for general use only with metal-to-metal sealing (type B)



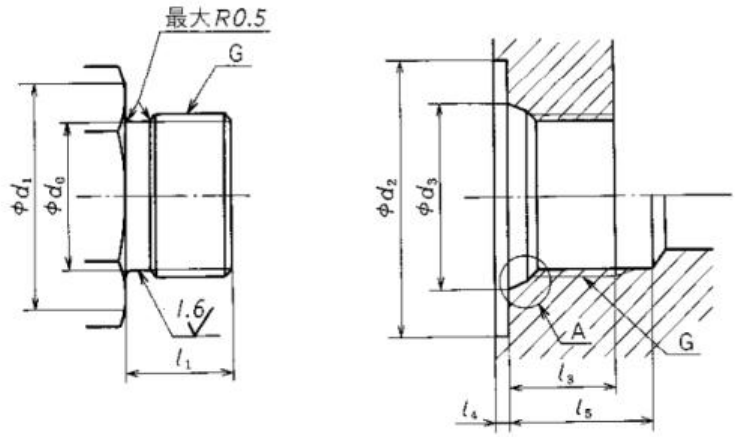
Dimensions for ISO 1179-4 stud ends for general use only with metal-to-metal sealing (type B)

Thread	d2	d3						d4	d5	L1	L2	L3	R	s	w
size	0	maximum drill size						0	0	±0.2	min.	0.3	±0.1	hex	
d	-0.4	LL series	tol.	L series	tol.	S series	tol.	-0.5	-0.2			0			
G1/8A	14	4	±0.1	4	±0.1			13	8.3	8	1.5	2	1	14	0.1
G114A	18			6	±0.1	5	±0.1	17	11.2	12	2	3	1.2	19	0.1
G3/8A	22			9	±0.2	8	±0.2	21	14.7	12	2.5	3	1.2	22	0.1
G1/2A	26			14	±0.2	12	±0.2	25	18.4	14	3	4	1.2	27	0.1
G3/4A	32			18	±0.2	16	±0.2	30	23.9	16	3	4	1.2	32	0.2
G1A	39			23	±0.2	20	±0.2	37	29.9	18	3	5	1.6	41	0.2
G1 1/4A	49			30	±0.2	25	±0.2	47	38.6	20	3	5	1.6	50	0.2
G1 1/2A	55			36	±0.3	32	±0.3	53	44.5	22	3	5	1.6	55	0.2

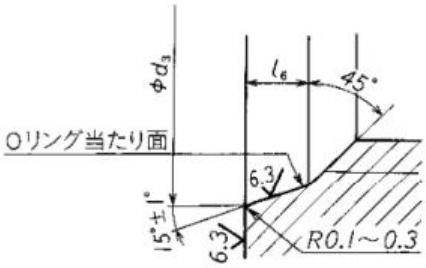


4. JIS B 2351-1 Stud ends dimension for general use only with O-ring sealing and E sealing

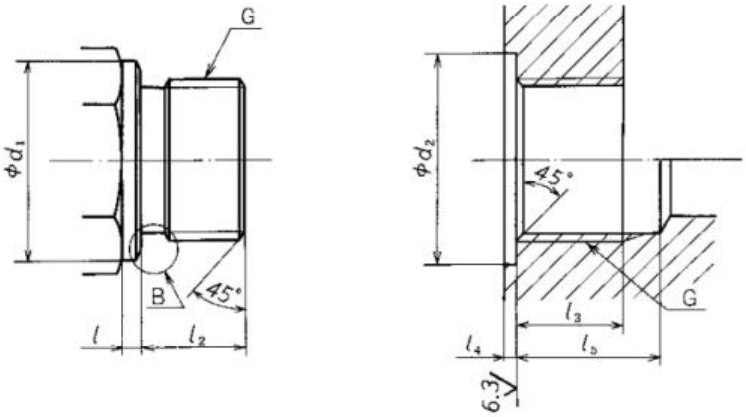
O形（O形リングシール方法）



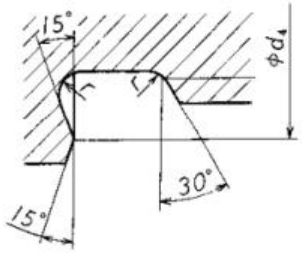
A拡大図（参考）



E形（エッジシール方法）

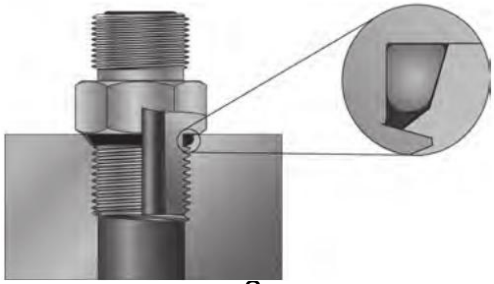


B拡大図（参考）

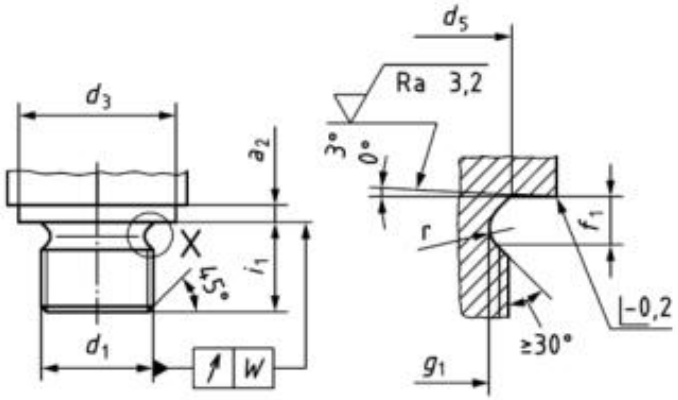


単位 mm

ねじの呼び G	d ±0.1	d_1 $^{+0}_{-0.4}$		d_2 ±0.3		d_3 $^{+0.1}_{0}$	l (最小)	l_3 (最小)	l_4 (最大)	l_5 (最小)	l_6 $^{+0.4}_{0}$	適用するOリングの呼び番号	d_4 (参考)	r (参考)
		O形	E形	O形	E形									
1/8	8	14	14	18	15	11.6	1.5	10	1	15	2	P 8	12	1
1/4	11	19	18	24	19	15.6	2	12	1.5	18	2.5	P11	15.5	1.2
3/8	14	22	22	28	23	18.6	2.5	12	2	18	2.5	P14	19.5	1.2
1/2	18	27	26	34	27	22.6	3	16	2.5	24	2.5	P18	23.5	1.6
3/4	23	36	32	45	33	29.8	3	17	2.5	25	3.5	P22.4	29.5	1.6
1	29	41	39	51	40	35.8	3	21	2.5	30	3.5	P29	36	2.5
1 1/4	38	50	49	62	50	44.8	3	21.4	2.5	30	3.5	P38	45.5	2.5
1 1/2	44	55	55	68	56	50.8	3	21.4	2.5	30	3.5	P44	51.6	2.5



5. DIN 3852-2 Stud ends dimensions for general use only with bonded washer seal



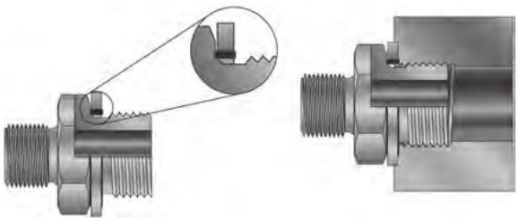
a Gewinde bis auf Kerndurchmesser abgefast

Bild 1 — Einschraubzapfen Form A

Tabelle 1 — Maße für Einschraubzapfen Form A

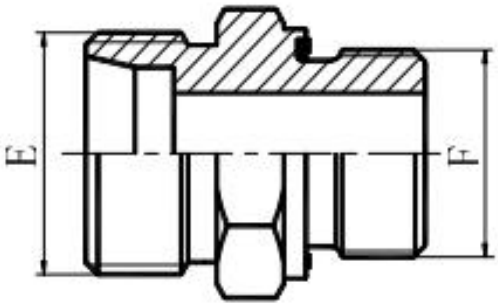
Maße in Millimete

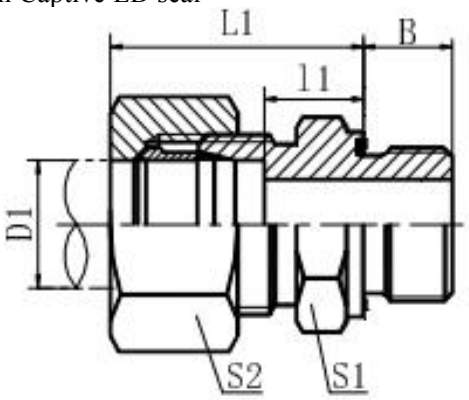
Gewinde				Gewinderille		Anwendung					
						Rohrverschraubungen, Armaturen		Verschlussschrauben			
d_1	a_2	d_3	d_5	f_1	g_1	i_1 Regel-	i_1 Kurz-	i_1 Regel-	i_1 Kurz-	r	W
	min.	0 −0,4	0 −0,3	+0,3 0	0 −0,2	Ausführung ± 0,2				± 0,2	
G 1/8 A	1,5	14	10,0	2	8,3	8	8	8	6	1,0	0,1
G 1/4 A	2,0	18	13,4	3	11,2	12	10	12	8	1,2	
G 3/8 A	2,5	22	17,0	3	14,7	12	10	12	8	1,2	
G 1/2 A	3,0	26	21,3	4	18,4	14	12	14	10	1,2	
G 3/4 A	3,0	32	26,7	4	23,9	16	12	16	12	1,2	0,2
G 1 A	3,0	39	33,5	5	29,9	18	12	16	–	1,6	
(G 1 1/8 A)[a]	3,0	44	38,2	5	34,6	20	14	16	–	1,6	
G 1 1/4 A	3,0	49	42,2	5	38,6	20	14	16	–	1,6	
(G 1 3/8 A)[a]	3,0	51	44,6	5	41,0	22	14	–	–	1,6	
G 1 1/2 A	3,0	55	48,1	5	44,5	22	14	16	–	1,6	
(G 1 3/4 A)[a]	3,5	62	54,0	5	50,4	24	14	20	–	1,6	
G 2 A	3,5	68	60,0	5	56,3	24	14	20	–	1,6	



BSP Stud Fittings Catalogue with Part No.

1CB-WD Dimension sheet of BSPP Male Stud Fitting with Captive ED seal

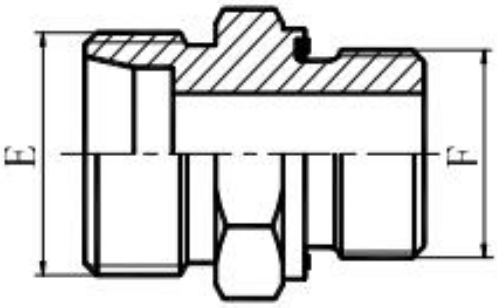


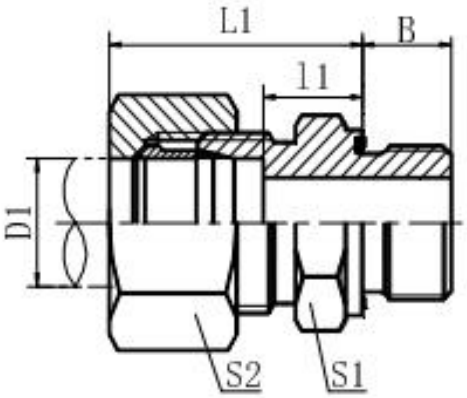


REF: ISO 8434-1/ DIN 3861/ISO 1179-2; Interchangeable into Parker **GE-R-ED** series

PART NO.	Parker	E	F	D1	B	l1	L1	S1	S2	g/1 pc
L SERIES										
1CB-12-02WD	GE06LREDOMD	M12X1.5	G1/8"X28	6	8	8.5	23.5	14	14	13
1CB-12-04WD	GE06LR1/4EDOMD	M12X1.5	G1/4"X19	6	12	10	25	19	14	28
1CB-12-06WD	GE06LR3/8EDOMD	M12X1.5	G3/8"X19	6	12	11.5	26.5	22	14	44
1CB-14-02WD	GE08LR1/8EDOMD	M14X1.5	G1/8"X28	8	8	9	24	14	17	16
1CB-14-04WD	GE08LREDOMD	M14X1.5	G1/4"X19	8	12	10	24	19	17	27
1CB-14-06WD	GE08LR3/8EDOMD	M14X1.5	G3/8"X19	8	12	11	26	22	17	45
1CB-16-04WD	GE10LREDOMD	M16X1.5	G1/4"X19	10	12	11	24.5	19	19	29
1CB-16-06WD	GE10LR3/8EDOMD	M16X1.5	G3/8"X19	10	12	12.5	26	22	19	43
1CB-16-08WD	GE10LR1/2EDOMD	M16X1.5	G1/2"X14	10	14	13	28	27	19	71
1CB-18-04WD	GE12LR1/4EDOMD	M18X1.5	G1/4"X19	12	12	12	27	19	22	31
1CB-18-06WD	GE12LREDOMD	M18X1.5	G3/8"X19	12	12	12.5	26	22	22	41
1CB-18-08WD	GE12LR1/2EDOMD	M18X1.5	G1/2"X14	12	14	14	28	27	22	67
1CB-22-06WD	GE15LR3/8EDOMD	M22X1.5	G3/8"X19	15	12	13.5	28	24	27	54
1CB-22-08WD	GE15LREDOMD	M22X1.5	G1/2"X14	15	14	14	29	27	27	72
1CB-22-12WD	GE15LR3/4EDOMD	M22X1.5	G3/4"X14	15	16	15	29	32	27	116
1CB-26-08WD	GE18LREDOMD	M26X1.5	G1/2"X14	18	14	14.5	31	27	32	71
1CB-26-12WD	GE18LR3/4EDOMD	M26X1.5	G3/4"X14	18	16	14.5	31	32	32	110
1CB-30-12WD	GE22LREDOMD	M30X2	G3/4"X14	22	16	16.5	33	32	36	102
1CB-36-16WD	GE28LREDOMD	M36X2	G1"X11	28	18	17.5	34	41	41	170
1CB-45-20WD	GE35LREDOMD	M45X2	G1.1/4"X11	35	20	17.5	39	50	50	272
1CB-52-24WD	GE42LREDOMD	M52X2	G1.1/2"X11	42	22	19	42	55	60	343

1DB-WD Dimension sheet of BSPP Male Stud Fittings with Captive ED seal

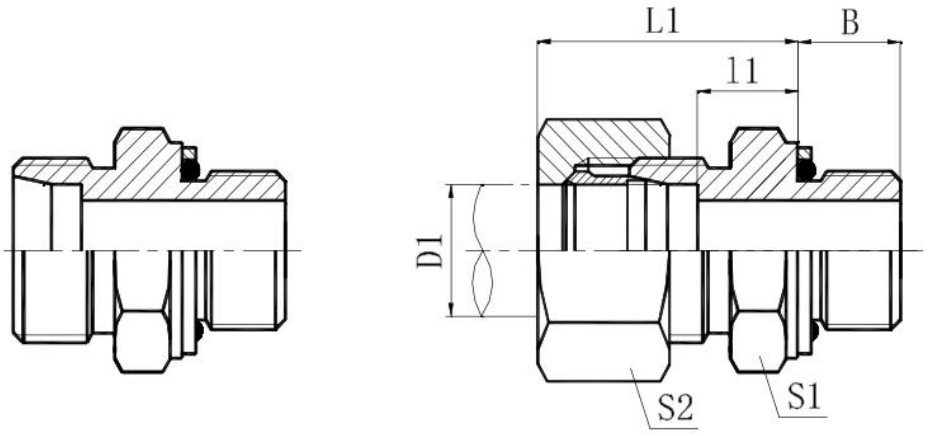




REF: ISO 8434-1/ DIN 3861/ISO 1179-2; Interchangeable into Parker **GE-R-ED** series

PART NO.	Parker Part No.	E	F	D1	B	l1	L1	S1	S2	g/1 pc
1DB-14-04WD	GE06SREDOMD	M14X1.5	G1/4"X19	6	12	15		19	17	35
1DB-16-04WD	GE08SREDOMD	M16X1.5	G1/4"X19	8	12	15	30	19	19	41
1DB-16-06WD	GE08SR3/8EDOMD	M16X1.5	G3/8"X19	8	12	15.5	30	22	19	57
1DB-18-04WD	GE10SR1/4EDOMD	M18X1.5	G1/4"X19	10	12	14.5	31	19	22	42
1DB-18-06WD	GE10SREDOMD	M18X1.5	G3/8"X19	10	12	14.5	31	22	22	55
1DB-18-08WD	GE10SR1/2EDOMD	M18X1.5	G1/2"X14	10	14	17.5	34	27	22	97
1DB-20-04WD	GE12SR1/4EDOMD	M20X1.5	G1/4"X19	12	12	16.5	33	22	24	61
1DB-20-06WD	GE12SREDOMD	M20X1.5	G3/8"X19	12	12	15	33	22	24	62
1DB-20-08WD	GE12SR1/2EDOMD	M20X1.5	G1/2"X14	12	14	17.5	34	27	24	99
1DB-22-08WD	GE14SREDOMD	M22X1.5	G1/2"X14	14	14	19	37	27	27	96
1DB-24-06WD	GE16SR3/8EDOMD	M24X1.5	G3/8"X19	16	12	18	36.5	27	30	83
1DB-24-08WD	GE16SREDOMD	M24X1.5	G1/2"X14	16	14	18.5	37	27	30	91
1DB-24-12WD	GE16SR3/4EDOMD	M24X1.5	G3/4"X14	16	16	20.5	39	32	30	152
1DB-30-12WD	GE20SREDOMD	M30X2	G3/4"X14	20	16	20.5	42	32	36	149
1DB-36-08WD	GE25SR1/2EDOMD	M36X2	G1/2"X14	25	14	23	47	41	46	228
1DB-36-12WD	GE25SR3/4EDOMD	M36X2	G3/4"X14	25	16	23	47	41	46	255
1DB-36-16WD	GE25SREDOMD	M36X2	G1"X11	25	18	23	47	41	46	266
1DB-42-20WD	GE30SREDOMD	M42X2	G1.1/4"X11	30	20	23.5	50	50	50	418
1DB-52-24WD	GE38SREDOMD	M52X2	G1.1/2"X11	38	22	26	57	55	60	563

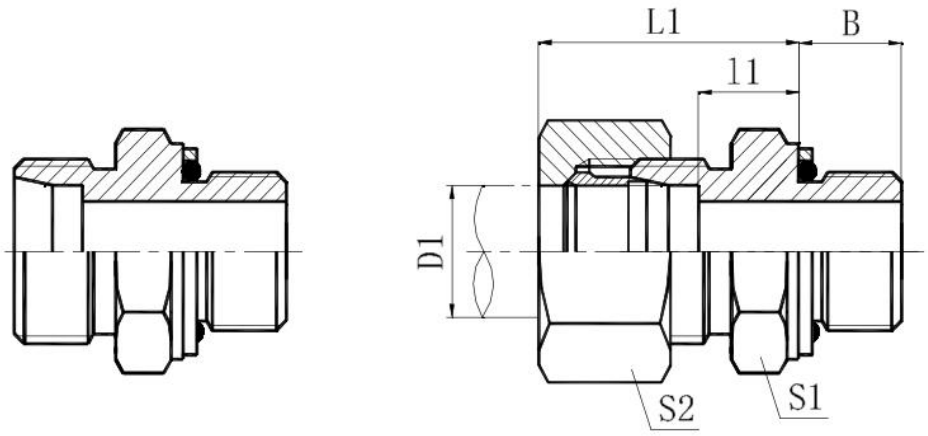
1CG Dimension sheet of BSPP Male Stud Fitting with O-ring and Retaining Ring seal type



REF: ISO 8434-1/ DIN 3861/ISO 1179-3; The function same to Parker **GE-R-ED** series, also ca n be instead of 1CB-WD

PART NO.	E	F	D1	B	l1	L1	S1	S2
L SERIES								
1CG-12-02	M12X1.5	G1/8"X28	6	9.5	8.5	23	14	14
1CG-12-04	M12X1.5	G1/4"X19	6	10	10	25	19	14
1CG-14-04	M14x1.5	G1/4"X19	8	10	10	25	19	17
1CG-14-06	M14x1.5	G3/8"X19	8	11.5	11.5	26	22	17
1CG-14-08	M14x1.5	G1/2"X14	8	14	13	27.5	27	34
1CG-16-04	M16x1.5	G1/4"X19	10	10	11	26	19	19
1CG-16-06	M16x1.5	G3/8"X19	10	11.5	12.5	27	22	19
1CG-16-08	M16x1.5	G1/2"X14	10	14	14	29	27	19
1CG-18-06	M18x1.5	G3/8"X19	12	11.5	12.5	27	22	22
1CG-18-08	M18x1.5	G1/2"X14	12	14	13	28	27	22
1CG-22-06	M22x1.5	G3/8"X19	15	11.5	13.5	29	24	27
1CG-22-08	M22x1.5	G1/2"X14	15	14	14	29	27	27
1CG-22-12	M22x1.5	G3/4"X14	15	15.5	20	30	32	32
1CG-26-08	M26x1.5	G1/2"X14	18	14	14.5	31	27	32
1CG-26-12	M26x1.5	G3/4"X14	18	15.5	14.5	32	32	32
1CG-30-12	M30x2	G3/4"X14	22	15.5	16.5	33	32	36
1CG-30-16	M30x2	G1"X11	22	18	17.5	35	41	36
1CG-36-16	M36x2	G1"X11	28	18	17.5	34	41	41
1CG-45-20	M45x2	G1.1/4"X11	35	20	17.5	39	50	50
1CG-52-20	M52X2	G1.1/4"X11	42	20	19	42	55	60
1CG-52-24	M52x2	G1.1/2"X11	42	21.5	19	42	55	60
1CG-52-32	M52x2	G2"X11	42	24.5	25	44	70	60

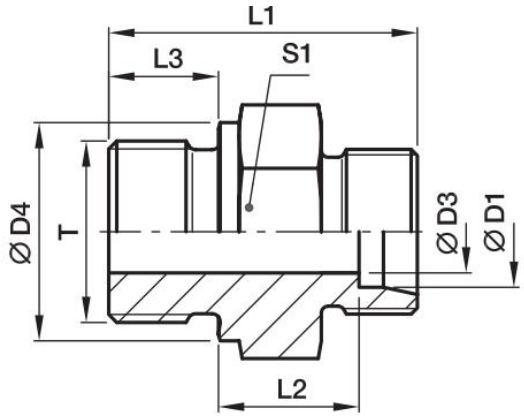
1DG Dimension sheet of BSPP Male Stud Fittings with O-ring and Retaining Ring seal type

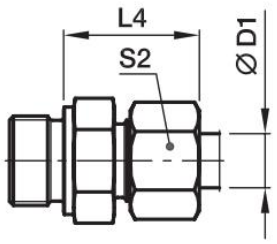


REF: ISO 8434-1/ DIN 3861/ISO 1179-3; The function same to Parker **GE-R-ED** series, also can be instead of 1DB-WD

PART NO	E	F	D1	B	l1	L1	S1	S2
1DG-14-04	M14X1.5	G1/4"X19	6	10	13	28	19	17
1DG-16-04	M16X1.5	G1/4"X19	8	10	15	31	19	19
1DG-18-04	M18x1.5	G1/4"X19	10	10	14.5	31	19	22
1DG-18-06	M18x1.5	G3/8"X19	10	11.5	15	31	22	22
1DG-20-06	M20x1.5	G3/8"X19	12	11.5	17	32	22	24
1DG-20-08	M20x1.5	G1/2"X14	12	14	17.5	34	27	24
1DG-22-06	M22x1.5	G3/8"X19	14	11.5	19	37	24	27
1DG-22-08	M22x1.5	G1/2"X14	14	14	19	37	27	27
1DG-24-04	M24x1.5	G1/4"X19	16	11	18	37	27	30
1DG-24-08	M24x1.5	G1/2"X14	16	14	18.5	37	27	30
1DG-30-12	M30x2	G3/4"X14	20	15.5	20.5	42	32	36
1DG-36-12	M36x2	G3/4"X14	25	15.5	23	47	41	46
1DG-36-16	M36x2	G1"X11	25	18	17.5	47	41	46
1DG-42-16	M42x2	G1"X11	30	18	23.5	48	46	50
1DG-42-20	M42x2	G1.1/4"X11	30	20	23.5	50	50	50
1DG-52-24	M52x2	G1.1/2"X11	38	21.5	26	57	55	60

1CB-B Dimension sheet of BSPP Male Stud Fittings with Metal Edge seal type



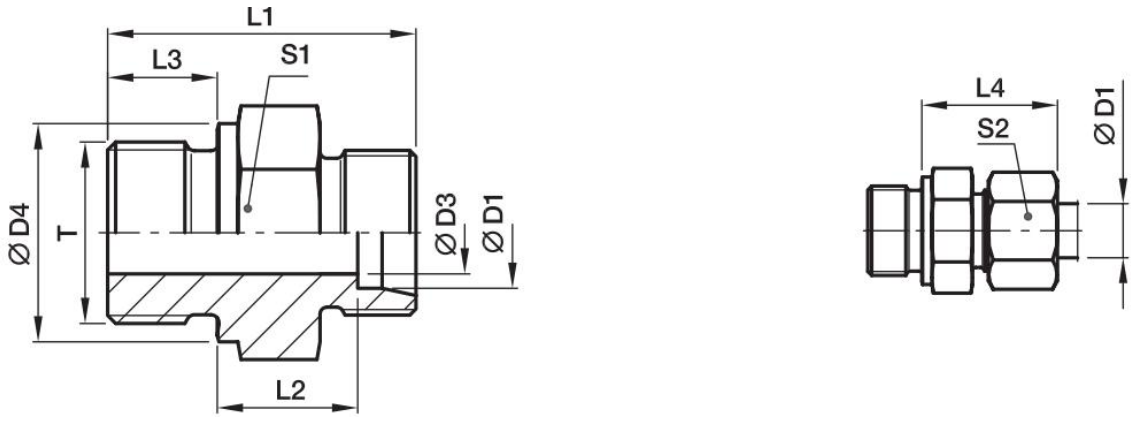


REF: ISO 8434-1/ DIN 3861/ISO 1179-4; The function same to Parker **GE-R** series

PART NO.	PARKER NO.	D1	T	D3	D4	L1	L2	L3	L4	S1	S2	Weight g/1 piece
1CB-12-02B	GE06LR1/4	6	G1/8A	4	14	23.5	8.5	8	23	14	14	14
1CB-12-04B	GE06LR	6	G1/4A	4	18	29	10	12	25	19	14	60
1CB-12-06B	GE06LR3/8	6	G3/8A	4	22	30.5	11.5	12	26	22	14	45
1CB-12-08B	GE06LR1/2	6	G1/2A	4	26	33	12	14	27	27	14	60
1CB-14-04B	GE08LR	8	G1/4A	6	18	29	10	12	25	19	17	26
1CB-14-02B	GE08LR1/8	8	G1/8A	4	14	24.5	8.5	8	23	14	17	16
1CB-14-06B	GE08LR3/8	8	G3/8A	6	22	30.5	11.5	12	26	22	17	44
1CB-14-08B	GE08LR1/2	8	G1/2A	6	26	33	12	14	27	27	17	74
1CB-16-04B	GE10LR	10	G1/4A	6	18	30	11	12	26	19	19	31
1CB-16-02B	GE10LR1/8	10	G1/8A	4	14	25.5	10.5	8	25	17	19	21
1CB-16-06B	GE10LR3/8	10	G3/8A	8	22	31.5	12.5	12	27	22	19	44
1CB-16-08B	GE10LR1/2	10	G1/2A	8	26	34	13	14	28	27	19	72
1CB-18-06B	GE12LR	12	G3/8A	9	22	31.5	12.5	12	27	22	22	43
1CB-18-02B	GE12LR1/8	12	G1/8A	4	14	26.5	11.5	8	26	19	22	27
1CB-18-04B	GE12LR1/4	12	G1/4A	6	18	31	12	12	27	19	22	32
1CB-18-08B	GE12LR1/2	12	G1/2A	10	26	34	13	14	28	27	22	67
1CB-18-12B	GE12LR3/4	12	G3/4A	10	32	37	14	16	29	32	22	120
1CB-22-08B	GE15LR	15	G1/2A	11	26	35	14	14	29	27	27	72
1CB-22-06B	GE15LR3/8	15	G3/8A	9	22	32.5	13.5	12	29	24	27	56
1CB-22-12B	GE15LR3/4	15	G3/4A	12	32	38	15	16	30	32	27	118
1CB-26-08B	GE18LR	18	G1/2A	14	26	36	14.5	14	31	27	32	72
1CB-26-06B	GE18LR3/8	18	G3/8A	9	22	33.5	14	12	29.5	27	32	69
1CB-26-12B	GE18LR3/4	18	G3/4A	15	32	38	14.5	16	30	32	32	112
1CB-30-12B	GE22LR	22	G3/4A	18	32	40	16.5	16	33	32	36	103
1CB-30-08B	GE22LR1/2	22	G1/2A	14	26	38	16.5	14	33	32	36	91
1CB-30-16B	GE22LR1	22	G1A	19	39	43	17.5	18	33.5	41	36	184
1CB-36-16B	GE28LR	28	G1A	23	39	43	17.5	18	34	41	41	168
1CB-36-08B	GE28LR1/2	28	G1/2A	14	26	39	17.5	14	34	41	41	141

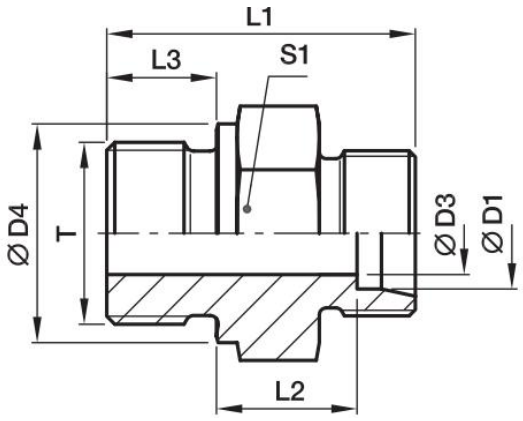
1CB-36-12B	GE28LR3/4	28	G3/4A	18	32	41	17.5	16	34	41	41	156
1CB-36-20B	GE28LR11/4	28	G11/4A	24	50	46	18.3	20	35	50	41	314
1CB-45-20B	GE35LR	35	G11/4A	30	49	48	17.5	20	39	50	50	276
1CB-45-08B	GE35LR1/2	35	G1/2A	14	26	42	17.5	14	39	46	50	194
1CB-45-12B	GE35LR3/4	35	G3/4A	18	32	44	17.5	16	39	46	50	202
1CB-45-16B	GE35LR1	35	G1A	23	39	46	17.5	18	39	46	50	234
1CB-45-24B	GE35LR11/2	35	G11/2A	30	55	52	19.5	22	41	55	50	355
1CB-52-24B	GE42LR	42	G11/2A	36	55	52	19	22	42	55	60	349
1CB-52-16B	GE42LR1	42	G1A	23	39	48	19	18	42	55	60	327
1CB-52-20B	GE42LR11/4	42	G11/4A	30	49	50	19	20	42	55	60	336
PART NO.	PARKER NO.	D1	T	D3	D4	L1	L2	L3	L4	S1	S2	Weight g/1 piece

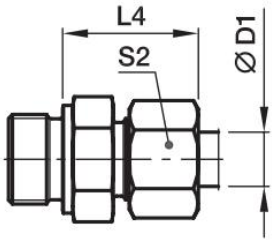
1DB-B Dimension sheet of BSPP Male Stud Fittings with Metal Edge seal type



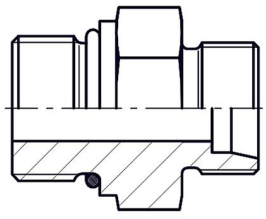
PART NO.	PARKER NO.	D1	T	D3	D4	L1	L2	L3	L4	S1	S2	Weight g/1 piece
1DB-14-04B	GE06SR	6	G1/4A	4	18	32	13	12	28	19	17	35
1DB-14-02B	GE06SR1/8	6	G1/8A	3	14	27.5	12.5	8	27	14	17	22
1DB-14-06B	GE06SR3/8	6	G3/8A	4	22	34.5	15.5	12	30	22	17	57
1DB-14-08B	GE06SR1/2	6	G1/2A	4	26	39	18	14	33	27	17	83
1DB-16-04B	GE08SR	8	G1/4A	5	18	34	15	12	30	19	19	41
1DB-16-06B	GE08SR3/8	8	G3/8A	5	22	34.5	15.5	12	30	22	19	59
1DB-16-08B	GE08SR1/2	8	G1/2A	5	26	39	18	14	33	27	19	100
1DB-18-06B	GE10SR	10	G3/8A	7	22	34.5	15	12	31	22	22	56
1DB-18-04B	GE10SR1/4	10	G1/4A	5	18	34	14.5	12	31	19	22	43
1DB-18-08B	GE10SR1/2	10	G1/2A	7	26	39	17.5	14	34	27	22	97
1DB-20-06B	GE12SR	12	G3/8A	8	22	36.5	17	12	33	22	24	62
1DB-20-04B	GE12SR1/4	12	G1/4A	5	18	36	16.5	12	33	22	24	57
1DB-20-08B	GE12SR1/2	12	G1/2A	8	26	39	17.5	14	34	27	24	57
1DB-22-08B	GE14SR	14	G1/2A	10	26	41	19	14	37	27	27	96
1DB-22-06B	GE14SR3/8	14	G3/8A	8	22	38.5	18.5	12	36	24	27	74
1DB-24-08B	GE16SR	16	G1/2A	12	26	41	18.5	14	37	27	30	92
1DB-24-06B	GE16SR3/8	16	G3/8A	8	22	38.5	18	12	36	27	30	83

1DB-24-12B	GE16SR3/4	16	G3/4A	12	32	45	20.5	16	39	32	30	157
1DB-30-12B	GE20SR	20	G3/4A	16	32	47	20.5	16	42	32	36	151
1DB-30-08B	GE20SR1/2	20	G1/2A	12	26	45	20.5	14	42	32	36	142
1DB-30-16B	GE20SR1	20	G1A	16	39	51	22.5	18	44	41	36	273
1DB-30-20B	GE20SR11/4	20	G11/4A	16	49	53	22.5	20	44	50	36	387
1DB-36-16B	GE25SR	25	G1A	20	39	53	23	18	47	41	46	267
1DB-36-12B	GE25SR3/4	25	G3/4A	16	32	51	23	16	47	41	46	245
1DB-36-20B	GE25SR11/4	25	G11/4A	20	49	55	23	20	47	50	46	422
1DB-42-20B	GE30SR	30	G11/4A	25	49	57	23.5	20	50	50	50	422
1DB-42-16B	GE30SR1	30	G1A	20	39	55	23.5	18	50	46	50	337
1DB-52-24B	GE38SR	38	G11/2A	32	55	64	26	22	57	55	60	560
1DB-52-20B	GE38SR11/4	38	G11/4A	25	49	62	26	20	57	55	60	578
PART NO.	PARKER NO.	D1	T	D3	D4	L1	L2	L3	L4	S1	S2	Weight g/1 piece



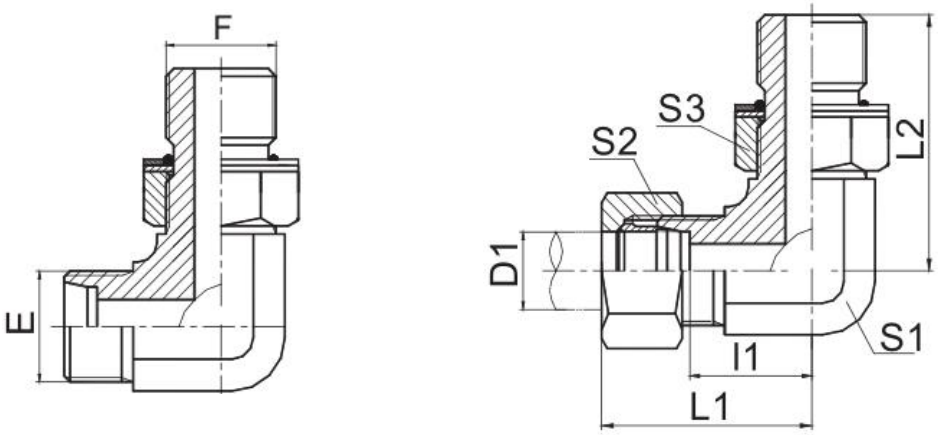


1CG-JIS and 1DG-JIS Dimension sheet of BSPP Male stud fitting with O-ring JIS B2351



Only add -JIS after 1CG or 1DG series, such as **1CG-14-04JIS.**

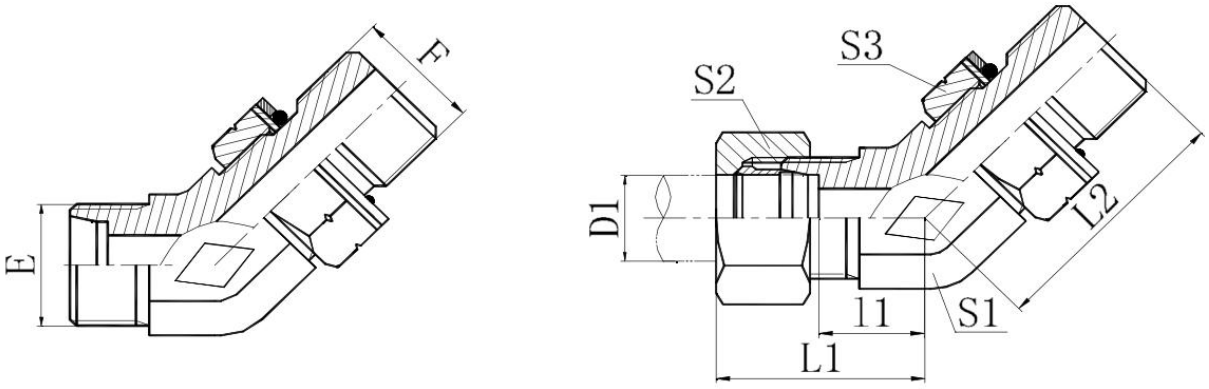
1CG9/1DG9-OG Adjustable Locknut Elbow Fittings



REF: ISO 8434-1/ DIN 3861/ISO 1179-3; The function same to Parker WEE-R series

PART NO.	Parker No.	E	F	D1	l1	L1	L2	S1	S2	S3	g/1 pcs
L SERIES											
1CG9-12-02OG	WEE06LROMD	M12X1.5	G1/8"X28	6	13	28	26.2	11	14	14	40
1CG9-14-04OG	WEE08LROMD	M14X1.5	G1/4"X19	8	15.5	30.5	31.3	14	17	19	59
1CG9-16-04OG	WEE10LROMD	M16X1.5	G1/4"X19	10	17.5	32.5	32.5	16	19	19	82
1CG9-16-06OG	WEE10LR3/8OMD	M16X1.5	G3/8"X19	10	17.5	32.5	35.8	16	19	22	90
1CG9-18-06OG	WEE12LROMD	M18X1.5	G3/8"X19	12	19	34	36.8	19	22	22	96
1CG9-22-08OG	WEE15LROMD	M22X1.5	G1/2"X14	15	22	37	43.2	22	27	27	149
1CG9-26-08OG	WEE18LROMD	M26X1.5	G1/2"X14	18	25.5	42	46	27	32	27	221
1CG9-26-12OG	WEE18LR3/4OMD	M26X1.5	G3/4"X14	18	25.5	42	49.3	27	32	32	250
1CG9-30-12OG	WEE22LROMD	M30X2	G3/4"X14	22	29.3	45.8	52	30	36	32	310
1CG9-30-16OG	WEE22LR1OMD	M30X2	G1"X11	22	31.5	48	53	33	36	41	382
1CG9-36-16OG	WEE28LROMD	M36X2	G1"X11	28	33	49.8	56	36	41	41	455
1CG9-36-20OG	WEE28LR11/4OMD	M36X2	G1.1/4"X11	28	36	52.8	59	41	41	50	980
1CG9-45-20OG	WEE35LROMD	M45X2	G1.1/4"X11	35	39.2	60.7	63	48	50	50	1043
1CG9-52-24OG	WEE42LROMD	M52X2	G1.1/2"X11	42	44.8	67.8	68.5	55	60	55	994
S SERIES											
1DG9-14-04OG	WEE06SROMD	M14X1.5	G1/4"X19	6	17.5	32.5	31.3	14	17	19	56
1DG9-16-04OG	WEE08SROMD	M16X1.5	G1/4"X19	8	18.7	33.7	32.5	16	19	19	88
1DG9-16-06OG	WEE08SR3/8OMD	M16X1.5	G3/8"X19	8	18.7	33.7	35.8	16	19	22	90
1DG9-18-06OG	WEE10SROMD	M18X1.5	G3/8"X19	10	19.5	36	36.8	19	22	22	98
1DG9-20-06OG	WEE12SROMD	M20X1.5	G3/8"X19	12	19.5	36	36.8	19	24	22	128
1DG9-22-08OG	WEE14SROMD	M22X1.5	G1/2"X14	14	23	41	43.2	22	27	27	210
1DG9-24-08OG	WEE16SROMD	M24X1.5	G1/2"X14	16	24	42.5	43	24	30	27	234
1DG9-30-12OG	WEE20SROMD	M30X2	G3/4"X14	20	28	49.5	52	30	36	32	344
1DG9-36-16OG	WEE25SROMD	M36X2	G1"X11	25	32.8	56.8	56	36	46	41	533
1DG9-42-20OG	WEE30SROMD	M42X2	G1.1/4"X11	30	36.2	62.7	58	41	50	50	1085
1DG9-52-24OG	WEE38SROMD	M52X2	G1.1/2"X11	38	45.8	76.8	68.5	55	60	55	1116

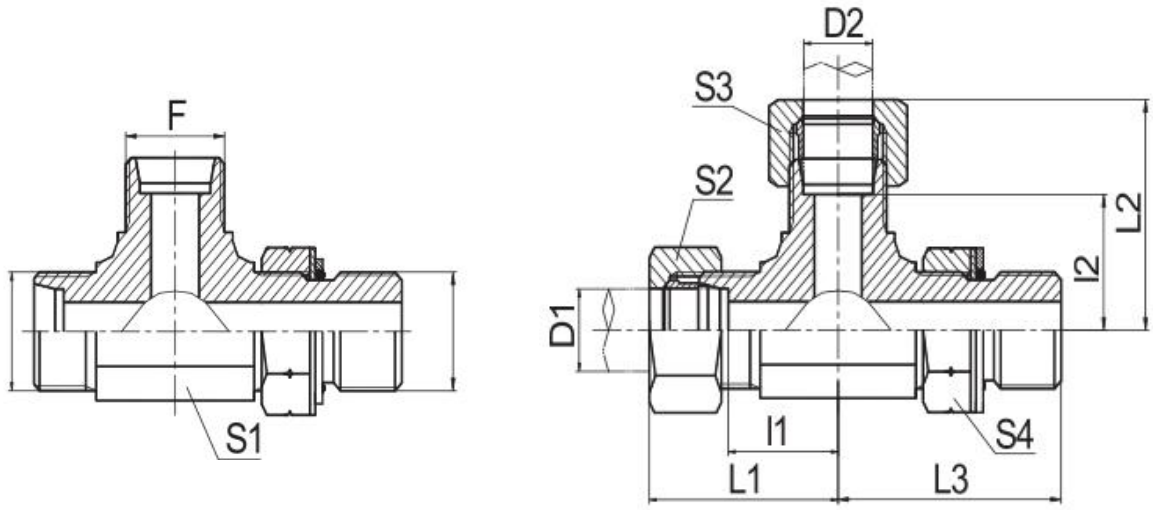
1CG4/1DG4-OG 45 degree Adjustable Locknut Elbow Fittings



REF: ISO 8434-1/ DIN 3861/ISO 1179-3; The function same to Parker VEE-R series

PART NO.	PARKER NO.	E	F	D1	l1	L1	L2	S1	S2	S3	g/1 pcs
L SERIES											
1CG4-12-02OG	VEE06LROMD	M12X1.5	G1/8"X28	6	10	25	24	11	14	14	39
1CG4-14-04OG	VEE08LROMD	M14X1.5	G1/4"X19	8	11	26	27	14	17	19	46
1CG4-16-04OG	VEE10LROMD	M16X1.5	G1/4"X19	10	12.3	27.3	27	16	19	19	74
1CG4-16-06OG	VEE10LR3/8OMD	M16X1.5	G3/8"X19	10	12.3	27.3	30	16	19	22	81
1CG4-18-06OG	VEE12LROMD	M18X1.5	G3/8"X19	12	13	28	31	19	22	22	85
1CG4-22-08OG	VEE15LROMD	M22X1.5	G1/2"X14	15	15	30	36	22	27	27	134
1CG4-26-08OG	VEE18LROMD	M26X1.5	G1/2"X14	18	16.5	33	37.5	27	32	27	189
1CG4-26-12OG	VEE18LR3/4OMD	M26X1.5	G3/4"X14	18	16.5	33	42	27	32	32	275
1CG4-30-12OG	VEE22LROMD	M30X2	G3/4"X14	22	19.7	36.2	42.5	30	36	32	283
1CG4-36-16OG	VEE28LROMD	M36X2	G1"X11	28	21.5	38	44.5	36	41	41	410
1CG4-45-20OG	VEE35LROMD	M45X2	G1.1/4"X11	35	25.5	47	50.5	48	50	50	807
S SERIES											
1DG4-14-04OG	VEE06SROMD	M14X1.5	G1/4"X19	6	13	28	27	14	17	19	45
1DG4-16-04OG	VEE08SROMD	M16X1.5	G1/4"X19	8	13.3	28.3	27	16	19	19	76
1DG4-18-06OG	VEE10SROMD	M18X1.5	G3/8"X19	10	13.5	30	31	19	22	22	86
1DG4-20-06OG	VEE12SROMD	M20X1.5	G3/8"X19	12	13.5	30	31	19	24	22	115
1DG4-22-08OG	VEE12SR1/2OMD	M22X1.5	G1/2"X14	14	16.3	34.3	36	22	27	27	179
1DG4-24-08OG	VEE16SROMD	M24X1.5	G1/2"X14	16	16.2	34.7	36.5	24	30	27	186
1DG4-30-12OG	VEE20SROMD	M30X2	G3/4"X14	20	18.7	40.2	42.5	30	36	32	286
1DG4-36-16OG	VEE25SROMD	M36X2	G1"X11	25	21	45	44.5	36	46	41	425
1DG4-42-20OG	VEE30SROMD	M42X2	G1.1/4"X11	30	24.3	50.8	47.5	41	50	50	793

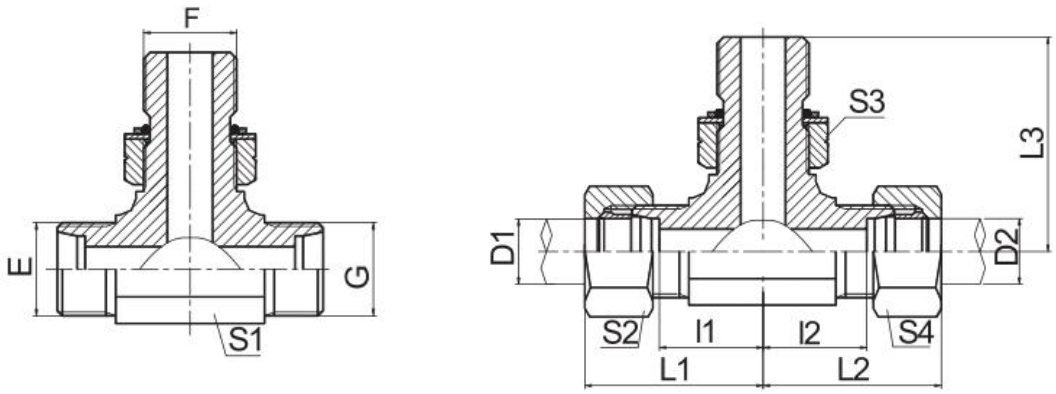
ACCG-OG / ADDG-OG Dimension sheet of Run Tee BSPP thread with O-ring and Retaining Ring



ISO 8434-1 24 degree cone to ISO 1179-3 male stud end, Parker LEE-R series equal.

PART NO.	PARKER NO.	E,F	G	D1,D2	l1,l2	L1,L2	L3	S1	S2,S3	S4	g/1 pcs
L SERIES											
ACCG-12-12-02OG	LEE06LROMD	M12X1.5	G1/8"X28	6	13	28	26.2	11	14	14	53
ACCG-14-14-04OG	LEE08LROMD	M14X1.5	G1/4"X19	8	15.5	30.5	31.3	14	17	19	68
ACCG-16-16-04OG	LEE10LROMD	M16X1.5	G1/4"X19	10	17.5	32.5	32.5	16	19	19	98
ACCG-18-18-06OG	LEE12LROMD	M18X1.5	G3/8"X19	12	19	34	36.8	19	22	22	114
ACCG-22-22-08OG	LEE15LROMD	M22X1.5	G1/2"X14	15	22	37	43.2	22	27	27	183
ACCG-26-26-08OG	LEE18LROMD	M26X1.5	G1/2"X14	18	25.5	42	46.5	27	32	27	271
ACCG-30-30-12OG	LEE22LROMD	M30X2	G3/4"X14	22	29.3	45.8	52	30	36	32	367
ACCG-36-36-16OG	LEE28LROMD	M36X2	G1"X11	28	33.3	49.8	56	36	41	41	525
ACCG-45-45-20OG	LEE35LROMD	M45X2	G1.1/4"X11	35	39.2	60.7	63	48	50	50	1194
S SERIES											
ADDG-14-14-04OG	LEE06SROMD	M14X1.5	G1/4"X19	6	17.5	32.5	31.3	14	17	19	71
ADDG-16-16-04OG	LEE08SROMD	M16X1.5	G1/4"X19	8	18.7	33.7	32.5	16	19	19	113
ADDG-18-18-06OG	LEE10SROMD	M18X1.5	G3/8"X19	10	19.5	36	36.8	19	22	22	124
ADDG-20-20-06OG	LEE12SROMD	M20X1.5	G3/8"X19	12	19.5	36	36.8	19	24	22	152
ADDG-22-22-08OG	LEE14SROMD	M22X1.5	G1/2"X14	14	23	41	43.2	22	27	27	167
ADDG-24-24-08OG	LEE16SROMD	M24X1.5	G1/2"X14	16	24	42.5	44	24	30	27	295
ADDG-30-30-12OG	LEE20SROMD	M30X2	G3/4"X14	20	28.3	49.8	52	30	36	32	440
ADDG-36-36-16OG	LEE25SROMD	M36X2	G1"X11	25	32.8	56.8	56	36	46	41	629
ADDG-42-42-20OG	LEE30SROMD	M42X2	G1.1/4"X11	30	36.2	62.7	58	41	50	50	1285

ACGC-OG / ADGD-OG Branch Tee Fittings Adjustable



ISO 8434-1 24 degree cone to ISO 1179-3 male stud end, Parker TEE-R series equal.

PART NO.	PARKER NO.	E,G	F	D1,D2	l1,l2	L1,L2	L3	S1	S2,S4	S3	g/1 pcs
L SERIES											
ACGC-12-02-12OG	TEE06LROMD	M12X1.5	G1/8"X28	6	13	28	26.2	11	14	14	52
ACGC-14-04-14OG	TEE08LROMD	M14X1.5	G1/4"X19	8	15.5	30.5	31.3	14	17	19	75
ACGC-16-04-16OG	TEE10LROMD	M16X1.5	G1/4"X19	10	17.5	32.5	32.5	16	19	19	107
ACGC-18-06-18OG	TEE12LROMD	M18X1.5	G3/8"X19	12	19	34	36.8	19	22	22	114
ACGC-22-08-22OG	TEE15LROMD	M22X1.5	G1/2"X14	15	22	37	43.2	22	27	27	183
ACGC-26-08-26OG	TEE18LROMD	M26X1.5	G1/2"X14	18	25.5	42	46.5	27	32	27	271
ACGC-30-12-30OG	TEE22LROMD	M30X2	G3/4"X14	22	29.3	45.8	52	30	36	32	357
ACGC-36-16-36OG	TEE28LROMD	M36X2	G1"X11	28	33.3	49.8	56	36	41	41	545
ACGC-45-20-45OG	TEE35LROMD	M45X2	G1.1/4"X11	35	39.2	60.7	63	48	50	50	1188
S SERIES											
ADGD-14-04-14OG	TEE06SROMD	M14X1.5	G1/4"X19	6	17.5	32.5	31.3	14	17	19	73
ADGD-16-04-16OG	TEE08SROMD	M16X1.5	G1/4"X19	8	18.7	33.7	32.5	16	19	19	115
ADGD-18-06-18OG	TEE10SROMD	M18X1.5	G3/8"X19	10	19.5	36	36.8	19	22	22	126
ADGD-20-06-20OG	TEE12SROMD	M20X1.5	G3/8"X19	12	19.5	36	36.8	19	24	22	171
ADGD-22-08-22OG	TEE14SROMD	M22X1.5	G1/2"X14	14	23	41	43.2	22	27	27	241
ADGD-24-08-24OG	TEE16SROMD	M24X1.5	G1/2"X14	16	24	42.5	44	24	30	27	292
ADGD-30-12-30OG	TEE20SROMD	M30X2	G3/4"X14	20	28.3	49.8	52	30	36	32	416
ADGD-36-16-36OG	TEE25SROMD	M36X2	G1"X11	25	32.8	56.8	56	36	46	41	644
ADGD-42-20-42OG	TEE30SROMD	M42X2	G1.1/4"X11	30	36.2	62.7	58	41	50	50	1285