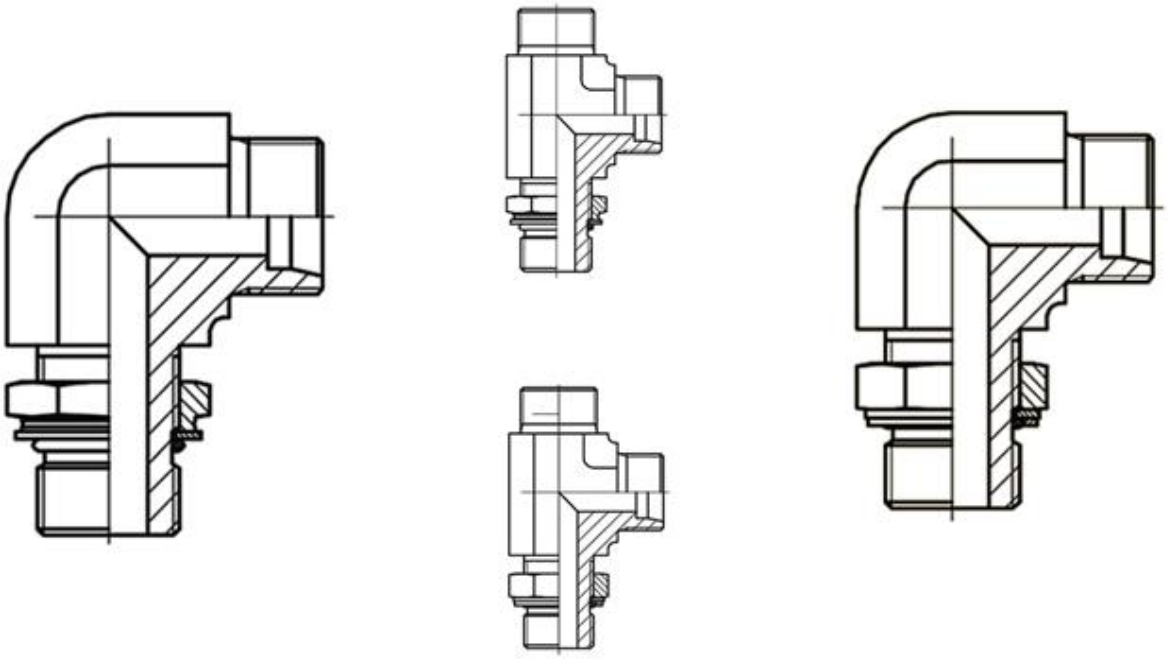
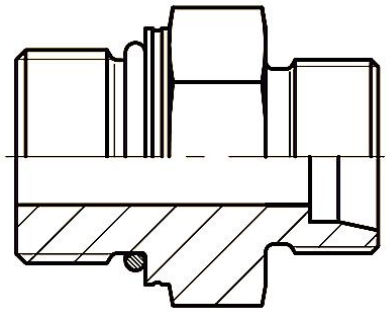
DIN HYDRAULIC FITTINGS DIN 2353/ISO 8434-1 SAE ORB

DIN Metric Stud Fitting/Metric Stud Connector



From 24 Degree Cone to Metric Stud Fittings



METRIC STUD TYPES:

ISO 9974-2 Stud ends with elastomeric sealing (type E)

ISO 9974-3 Stud ends with metal to metal sealing (type B)

ISO 6149-2 /3 S/L Series Metric Stud Ends

DIN 3852-1 washer Type A and metal face Type B

Shapes of DIN Metric Stud Fittings

Straight Stud Connector

90 Degree Elbow Adjustable Locknut Connector

45 Degree Elbow Adjustable Locknut Connector

Run Tee Adjustable Locknut Connector

Branch Tee Adjustable Locknut Connector

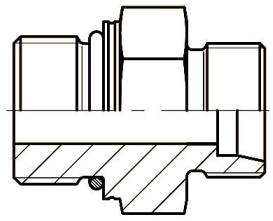
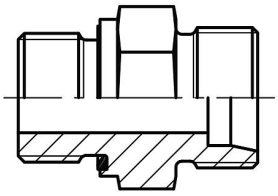
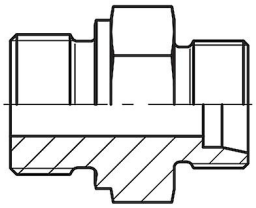
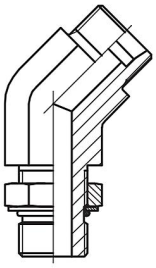
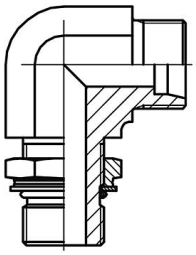
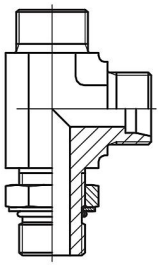
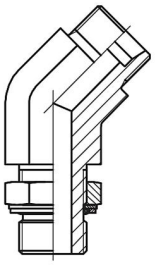
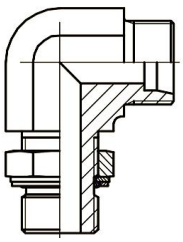
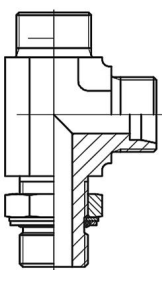
FITSCH

DIN Male Metric Stud Fittings Introduction

This male stud connector is from DIN 24 degree cone tube end to metric stud ends, O-ring sealing meet ISO 6149-2 / SAE J2244-2 (S series heavy duty) and ISO 6149-3 / SAE J2244-3(L series light duty).It will be matched with ISO 261 metric threads port by O-ring seal in truncated housing according to ISO 6149-1 / SAE J2244-1. It is most popular male stud fittings in Europe, China and the other countries; flat face sealing meet ISO 9974-2, ISO 9974-3, DIN 3852-1 to fit female metric thread port according to ISO 9974-1 and DIN 3852-1 standards.

Overview catalogue Of DIN Male Metric Stud Fittings Connectors

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

GEO/1CH-OR 	**GE-M-ED/1CM-WD** 	**GE-M / 1CM-B** 
VEE-OR / 1CH4-OR 	**WEE-OR / 1CH9-OR** 	**LEE-OR / ACCH-OR** 
VEE-M / 1CH4-OG 	**WEE-M / 1CH9-OG** 	**TEE-M / ACHC-OG** 

Dimensions Of DIN Male Metric Stud Fittings

1. ISO 6149-2 / SAE J2244-2 Heavy duty S series stud ends(Adjustable End/ non-Adjustable)

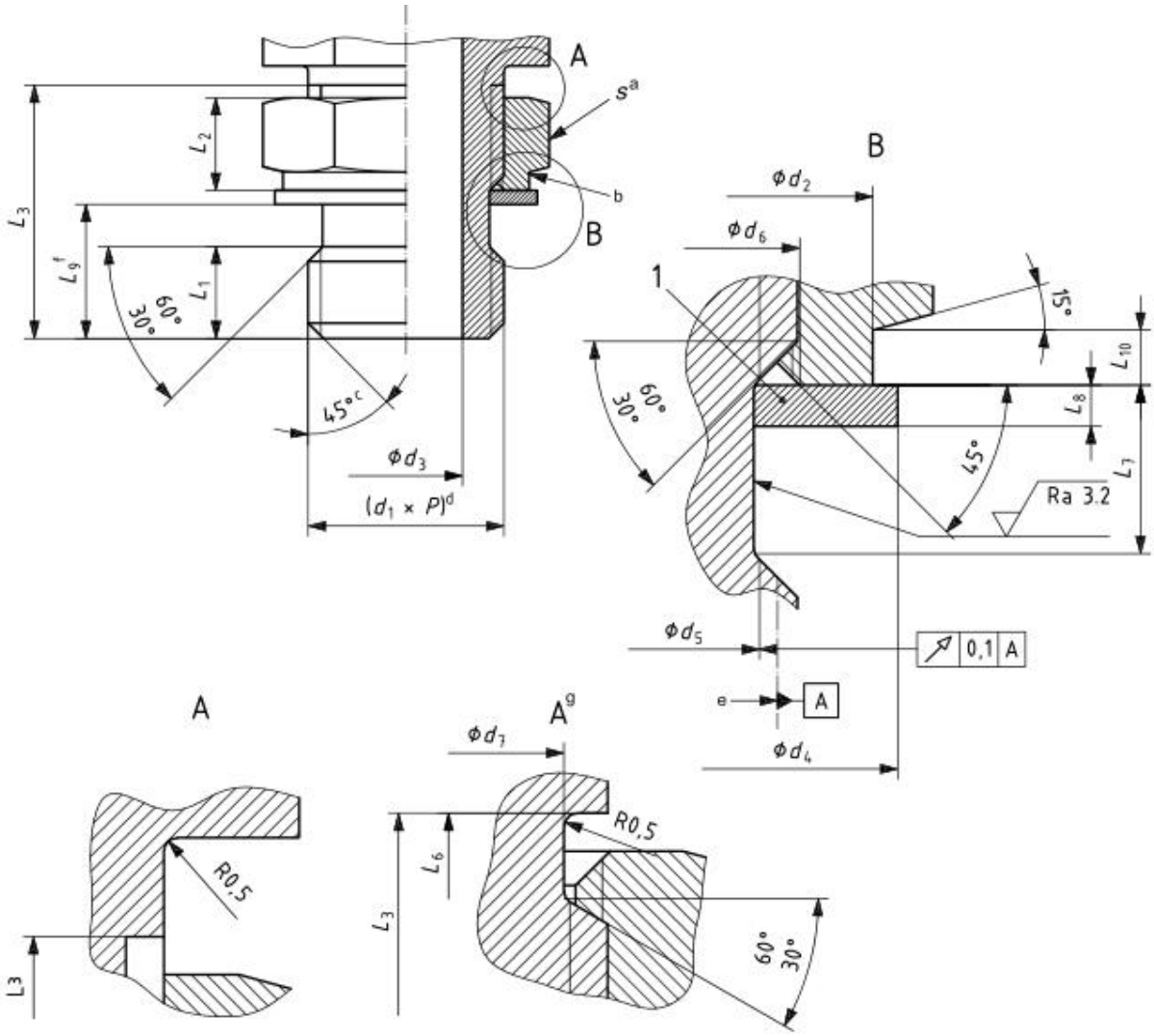


Figure of adjustable lock nut heavy duty S series stud end

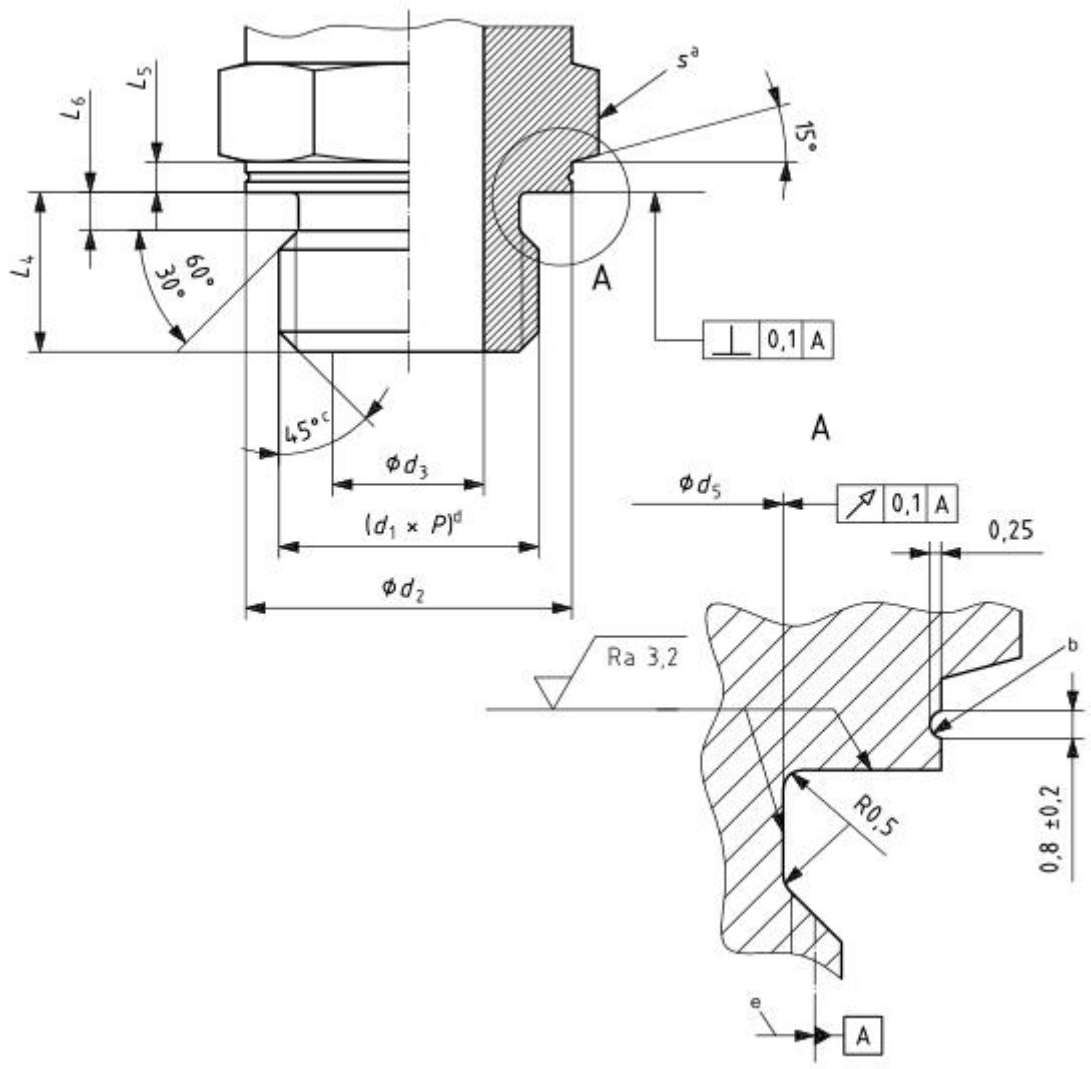


Figure of Non-adjustable heavy duty S series stud end

Dimension of Heavy duty Stud Ends

Table 1 — Dimensions of heavy-duty (S series) stud ends

Dimensions in millimetres

Thread[a] ($d_1 \times P$)	d_2	d_3		d_4	d_5	d_6	d_7	L_1	L_2	L_3	L_4	L_5	L_6	L_7	L_8	L_9	L_{10}	s
	± 0,2	nom	tol.	± 0,4	0 −0,1	+0,4 0	0 −0,3	± 0,2	± 0,2	min.	± 0,2	± 0,1	+0,3 0	± 0,1	± 0,08	ref.	± 0,1	
M8 × 1	11,8	2	± 0,1	12,5	6,4	8,1	6,4	6,5	7	18	9,5	1,6	2	4	0,9	9,6	1,5	12
M10 × 1	13,8	3	± 0,1	14,5	8,4	10,1	8,4	6,5	7	18	9,5	1,6	2	4	0,9	9,6	1,5	14
M12 × 1,5	16,8	4	± 0,1	17,5	9,7	12,1	9,7	7,5	8,5	21	11	2,5	3	4,5	0,9	11,1	2	17
M14 × 1,5[b]	18,8	6	± 0,1	19,5	11,7	14,1	11,7	7,5	8,5	21	11	2,5	3	4,5	0,9	11,1	2	19
M16 × 1,5	21,8	7	± 0,2	22,5	13,7	16,1	13,7	9	9	23	12,5	2,5	3	4,5	0,9	12,6	2	22
M18 × 1,5	23,8	9	± 0,2	24,5	15,7	18,1	15,7	10,5	10,5	26	14	2,5	3	4,5	0,9	14,1	2,5	24
M20 × 1,5[c]	26,8	—	± 0,2	—	17,7	—	17,7	—	—	—	14	2,5	3	—	—	—	2,5	—
M22 × 1,5	26,8	12	± 0,2	27,5	19,7	22,1	19,7	11	11	27,5	15	2,5	3	5	1,25	14,8	2,5	27
M27 × 2	31,8	15	± 0,2	32,5	24	27,1	24	13,5	13,5	33,5	18,5	2,5	4	6	1,25	18,3	2,5	32
M30 × 2	35,8	17	± 0,2	36,5	27	30,1	27	13,5	13,5	33,5	18,5	2,5	4	6	1,25	18,3	2,5	36
M33 × 2	40,8	20	± 0,2	41,5	30	33,1	30	13,5	13,5	33,5	18,5	3	4	6	1,25	18,3	3	41
M42 × 2	49,8	26	± 0,2	50,5	39	42,1	39	14	14	34,5	19	3	4	6	1,25	18,8	3	50
M48 × 2	54,8	32	± 0,3	55,5	45	48,1	45	16,5	15	38	21,5	3	4	6	1,25	21,3	3	55
M60 × 2	64,8	40	± 0,3	65,5	57	60,1	57	19	17	42,5	24	3	4	6	1,25	23,8	3	65

[a] Conforming to ISO 261, tolerance grade 6g in accordance with ISO 965-1.

[b] Preferred for diagnostic port applications.

[c] For plugs for cartridge valve cavities only (see ISO 6149-4 and ISO 7789).

2. Dimension ISO 6149-3 / SAE J2244-3 Light duty L series stud ends(Adjustable End/ non-Adjustable)

Table 1 — Dimensions of light-duty (L series) stud ends

Dimensions in millimetres

Thread[a] ($d_1 \times P$)	d_2	d_3		d_4	d_5	d_6	d_7	L_1	L_2	L_3	L_4[b]	L_5	L_6	L_7	L_8	L_9	L_{10}	s
	± 0,2	nom	tol.	± 0,4	0 −0,1	+0,4 0	0 −0,3	± 0,2	± 0,2	min.	± 0,2	± 0,1	+0,3 0	± 0,1	± 0,08	ref.	± 0,1	
M8 × 1	11,8	3	± 0,1	12,5	6,4	8,1	6,4	5,5	6	16	8,5	1,6	2	4	0,9	8,6	1,5	12
M10 × 1	13,8	4,5	± 0,1	14,5	8,4	10,1	8,4	5,5	6	16	8,5	1,6	2	4	0,9	8,6	1,5	14
M12 × 1,5	16,8	6	± 0,1	17,5	9,7	12,1	9,7	7,5	7,5	20	11	2,5	3	4,5	0,9	11,1	2	17
M14 × 1,5[c]	18,8	7,5	± 0,2	19,5	11,7	14,1	11,7	7,5	7,5	20	11	2,5	3	4,5	0,9	11,1	2	19
M16 × 1,5	21,8	9	± 0,2	22,5	13,7	16,1	13,7	8	7,5	20,5	11,5	2,5	3	4,5	0,9	11,6	2	22
M18 × 1,5	23,8	11	± 0,2	24,5	15,7	18,1	15,7	9	7,5	21,5	12,5	2,5	3	4,5	0,9	12,6	2,5	24
M22 × 1,5	26,8	14	± 0,2	27,5	19,7	22,1	19,7	9	8	22,5	13	2,5	3	5	1,25	12,8	2,5	27
M27 × 2	31,8	18	± 0,2	32,5	24	27,1	24	11	10	27,5	16	2,5	4	6	1,25	15,8	2,5	32
M30 × 2	35,8	21	± 0,2	36,5	27	30,1	27	11	10	27,5	16	2,5	4	6	1,25	15,8	2,5	36
M33 × 2	40,8	23	± 0,2	41,5	30	33,1	30	11	10	27,5	16	3	4	6	1,25	15,8	3	41
M42 × 2	49,8	30	± 0,2	50,5	39	42,1	39	11	10	27,5	16	3	4	6	1,25	15,8	3	50
M48 × 2	54,8	36	± 0,3	55,5	45	48,1	45	12,5	10	29	17,5	3	4	6	1,25	17,3	3	55
M60 × 2	64,8	44	± 0,3	65,5	57	60,1	57	12,5	10	29	17,5	3	4	6	1,25	17,8	3	65

[a] Conforming to ISO 261, tolerance grade 6g in accordance with ISO 965-1.

[b] Optional length for L_4 in accordance with ISO 6149-2.

[c] Preferred for diagnostic port applications.

3. ISO 9974-2 metric stud with elastometric sealing type E

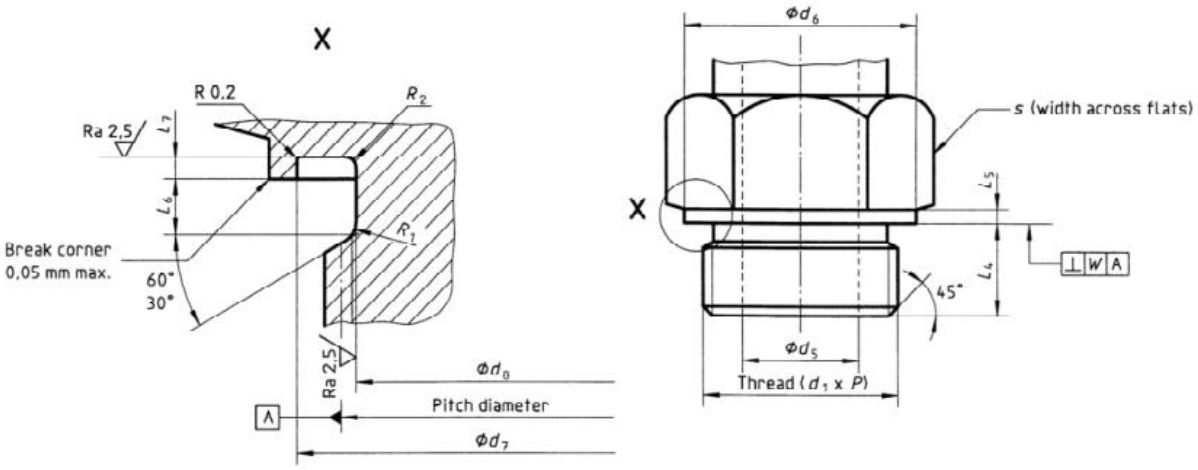


Figure 1 — Light-duty (L series) and heavy-duty (S series) stud end with elastomeric sealing (type E)

Figure of light duty L series and heavy duty S series stud end with elastometric sealing type E

Dimensions of light-duty (L series) and heavy-duty (S series) stud ends with elastomeric sealing (type E)

Thread ($d_1 \times P$)	d_5 L series nom.[1]	d_5 L series tol.[2]	d_5 S series nom.[1]	d_5 S series tol.[2]	d_6 $^{0}_{-0,2}$	d_7 $^{+0,1}_{0}$	d_8 $^{0}_{-0,2}$	L_4 ± 0,2	L_5 min.	L_6 $^{+0,3}_{0}$	L_7 $^{+0,1}_{0}$	R_1 ± 0,1	R_2 ± 0,1	s	W
M10 × 1	4	$^{+0,18}_{0}$	—	—	13,9	12	8,3	8	1,5	2	0,7	1	0,5	14	
M12 × 1,5	6	$^{+0,18}_{0}$	4	$^{+0,18}_{0}$	16,9	14,5	9,7	12	2	3	1,2	1,2	0,5	17	
M14 × 1,5	7	$^{+0,22}_{0}$	5	$^{+0,18}_{0}$	18,9	16,6	11,7	12	2	3	1,2	1,2	0,5	19	
M16 × 1,5	9	$^{+0,22}_{0}$	7	$^{+0,22}_{0}$	21,9	19	13,7	12	2	3	1,2	1,2	0,5	22	0,1
M18 × 1,5	11	$^{+0,27}_{0}$	8	$^{+0,22}_{0}$	23,9	21	15,7	12	2,5	3	1,2	1,2	0,6	24	
M20 × 1,5 [3]	—	—	10	$^{+0,22}_{0}$	25,9	23	17,7	14	2,5	3	1,2	1,2	0,6	27	
M22 × 1,5	14	$^{+0,27}_{0}$	12	$^{+0,27}_{0}$	26,9	24,5	19,7	14	3	3	1,2	1,2	0,6	27	
M26 × 1,5	18	$^{+0,27}_{0}$	—	—	31,9	29,3	23,8	16	3	3	1,2	1,2	0,6	32	
M27 × 2	—	—	16	$^{+0,27}_{0}$	31,9	29,3	23,8	16	3	4	1,2	1,6	0,6	32	
M33 × 2	23	$^{+0,33}_{0}$	20	$^{+0,33}_{0}$	39,9	36	29,6	18	3	4	1,6	1,6	0,8	41	0,2
M42 × 2	30	$^{+0,33}_{0}$	25	$^{+0,33}_{0}$	49,9	46	38,6	20	3	4	1,6	1,6	0,8	50	
M48 × 2	36	$^{+0,39}_{0}$	32	$^{+0,39}_{0}$	54,9	51	44,5	22	3	4	1,6	1,6	0,8	55	

1) Maximum nominal diameter.
2) Tolerance corresponding to H13 in accordance with ISO 286-2.
3) For measurement applications.

4. ISO 9974-3 metric stud with metal to metal sealing type B

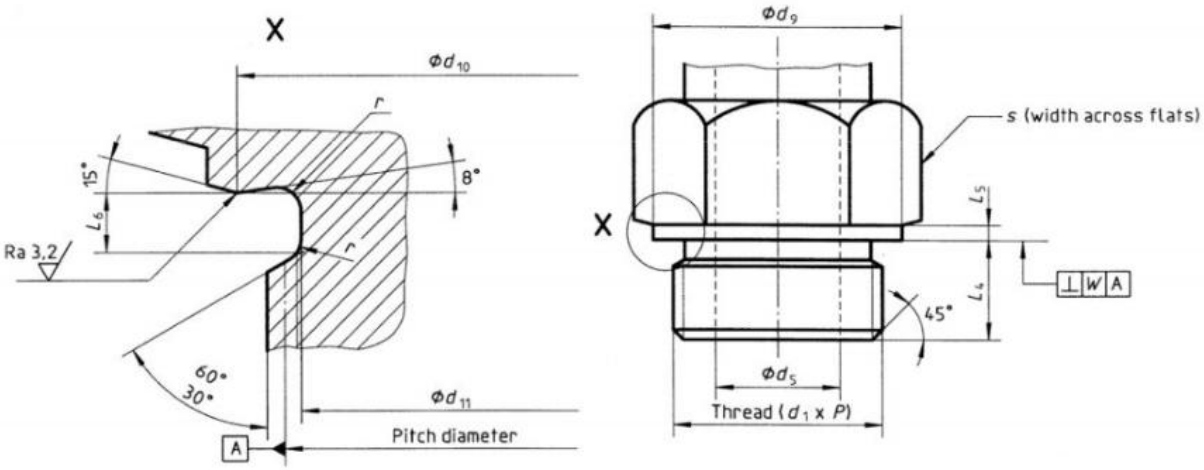


Figure of Metric stud with metal to metal sealing type B

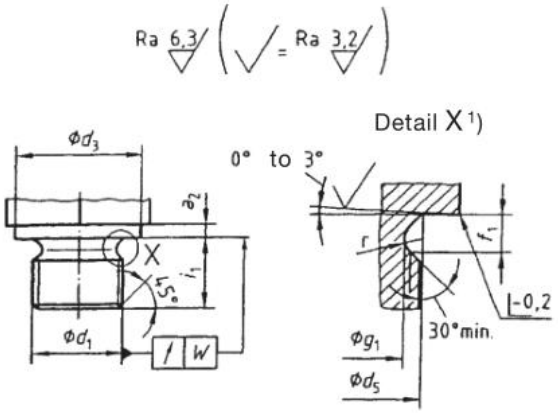
Thread ($d_1 \times P$)	d_5 LL series nom.[1]	d_5 LL series tol.[2]	d_5 L series nom.[1]	d_5 L series tol.[2]	d_5 S series nom.[1]	d_5 S series tol.[2]	d_9 $^{0}_{-0,2}$	d_{10} $^{0}_{-0,5}$	d_{11} $^{0}_{-0,2}$	L_4 ±0,2	L_5 min.	L_6 $^{+0,3}_{0}$	r	s	W
M8 × 1	3	$^{+0,14}_{0}$	—	—	—	—	12	11	6,4	8	1,5	2	1	12	0,1
M10 × 1	4,5	$^{+0,18}_{0}$	4	$^{+0,18}_{0}$	—	—	14	13	8,4	8				14	
M12 × 1,5	—	—	6	$^{+0,18}_{0}$	4	$^{+0,18}_{0}$	17	16	9,7	12	2	3	1,2	17	
M14 × 1,5	—	—	7	$^{+0,22}_{0}$	5	$^{+0,18}_{0}$	19	18	11,7	12				19	
M16 × 1,5	—	—	9	$^{+0,22}_{0}$	7	$^{+0,22}_{0}$	21	20	13,7	12				22	
M18 × 1,5	—	—	11	$^{+0,27}_{0}$	8	$^{+0,22}_{0}$	23	22	15,7	12	2,5			24	
M20 × 1,5 [3]	—	—	—	—	10	$^{+0,22}_{0}$	25	24	17,7	14				27	
M22 × 1,5	—	—	14	$^{+0,27}_{0}$	12	$^{+0,27}_{0}$	27	26	19,7	14	3			27	
M26 × 1,5	—	—	18	$^{+0,27}_{0}$	—	—	31	30	23,7	16				32	0,2
M27 × 2	—	—	—	—	16	$^{+0,27}_{0}$	32	30,5	24	16		4	1,6	32	
M33 × 2	—	—	23	$^{+0,33}_{0}$	20	$^{+0,33}_{0}$	39	37	30	18				41	
M42 × 2	—	—	30	$^{+0,33}_{0}$	25	$^{+0,33}_{0}$	49	47	39	20				50	
M48 × 2	—	—	36	$^{+0,39}_{0}$	32	$^{+0,39}_{0}$	55	53	45	22				55	

1) Maximum nominal diameter.
2) Tolerance corresponding to H13 in accordance with ISO 286-2.
3) For measurement applications.

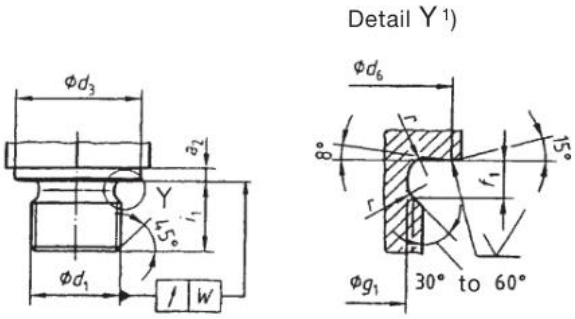
Dimensions of Metric stud with metal to metal sealing type B

5. DIN 3852-1 metric stud with Type A of sealing by bonded washer, Type B of sealing by compression against metal face of body and Type C of sealing by metric taper thread.

Type A, with sealing by washer

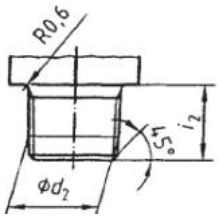


Type B, with sealing by compression against face of body



1) Thread chamfered to minor diameter.

Type C, with sealing in tapered thread



Stud end dimensions

Thread size for types A and B stud ends (d_1)	Thread size for type C stud ends (d_2)	a_2	d_3[1]			d_5	d_6	Groove dimensions f_1	Groove dimensions g_1	Standard design (i_1)	Short design (i_1)	Standard design (i_1)	Short design (i_1)	Standard design (i_2)[2]	Short design (i_2)[2]	r		W
			Small		Large					With standard ports only	With standard ports and ports with small d_4 value	With standard ports only	With standard ports and ports with small d_4 value	With standard ports only	With standard ports and ports with small d_4 value			
										in compression couplings and valves		in screw plugs						
		Min.	0 −0,2	0 −0,4	Max.	0 −0,3	0 −0,5	+0,3 0	0 −0,2	±0,2				Min.			±0,2	
M8 × 1•	M8 × 1 keg	1,5•	12•	12	16	8,3	11•	2•	6,4•	8•	8	8	6	8	6,5	1•	1	
M10 × 1•	M10 × 1 keg	1,5•	14•	14	19	10,3	13•	2•	8,4•	8•	8	8	6	8	6,5	1•	1	
M12 × 1,5•	M12 × 1,5 keg	2•	17•	17	24	12,3	16•	3•	9,7•	12•	10	12	9	12	10	1,2•	1,2	
M14 × 1,5•	M14 × 1,5 keg	2•	19•	19	24	14,3	18•	3•	11,7•	12•	10	12	9	12	10	1,2•	1,2	
M16 × 1,5•	M16 × 1,5 keg	2•	21•	21	27	16,3	20•	3•	13,7•	12•	10	12	9	12	10	1,2•	1,2	0,1•
M18 × 1,5•	M18 × 1,5 keg	2,5•	23•	23	29	18,3	22•	3•	15,7•	12•	10	12	9	12	10	1,2•	1,2	
M20 × 1,5•	M20 × 1,5 keg	2,5•	25•	25	33	20,3	24•	3•	17,7•	14•	12	14	9	14[3]	12[3]	1,2•	1,2	
M22 × 1,5•	M22 × 1,5 keg	3•	27•	27	33	22,3	26•	3•	19,7•	14•	12	14	9	14[3]	12[3]	1,2•	1,2	
M24 × 1,5	M24 × 1,5 keg	3	—	29	37	24,3	28	3	21,7	14	12	14	9	14[3]	12[3]	—	1,2	
M26 × 1,5•	M26 × 1,5 keg	3•	31•	31	41	26,3	30•	3•	23,7•	16•	12	16	9	—	14[3]	1,2•	1,2	
M27 × 2•	M27 × 2 keg	3•	32•	32	41	27,3	30,5•	4•	24•	16•	—	16	—	16	14	1,6•	1,6	
M30 × 1,5[4]	M30 × 1,5 keg[4]	3	—	36	43	30,3	34,5	3	27,7	—	12	16	9	—	—	—	1,2	
M30 × 2	M30 × 2 keg	3	—	36	43	30,3	34,5	4	27	16	12	16	9	—	14	—	1,6	
M33 × 2•	M33 × 2 keg	3•	39•	39	46	33,3	37•	4•	30•	18•	—	16	—	—	14	1,6•	1,6	0,2•
M36 × 1,5[4]	M36 × 1,5 keg[4]	3	—	42	49	36,3	40	3	33,7	—	—	16	—	—	—	—	1,2	
M36 × 2	M36 × 2 keg	3	—	42	49	36,3	40	4	33	18	—	16	—	—	15	—	1,6	
M38 × 1,5[4]	M38 × 1,5 keg[4]	3	—	44	51	38,3	42	3	35,7	—	14	16	12	—	—	—	1,2	
M39 × 2	M39 × 2 keg	3	—	46	52	39,3	44	4	36	—	—	16	—	—	15	—	1,6	
M42 × 1,5[4]	M42 × 1,5 keg[4]	3	—	49	55	42,3	47	3	39,7	—	—	16	—	—	—	—	1,2	
M42 × 2•	M42 × 2 keg	3•	49•	49	57	42,3	47•	4•	39•	20•	—	16	—	—	15	1,6•	1,6	
M45 × 1,5[4]	M45 × 1,5 keg[4]	3	—	52	58	45,3	50	3	42,7	—	14	16	12	—	—	—	1,2	
M45 × 2	M45 × 2 keg	3	—	52	58	45,3	50	4	42	20	—	16	—	—	15	—	1,6	
M48 × 1,5[4]	M48 × 1,5 keg[4]	3	—	55	60	48,3	53	3	45,7	—	—	16	—	—	—	—	1,2	
M48 × 2•	M48 × 2 keg	3•	55•	55	64	48,3	53•	4•	45•	22•	—	16	—	—	15	1,6•	1,6	
M52 × 1,5[4]	M52 × 1,5 keg[4]	3	—	60	64	52,3	58	3	49,7	—	14	16	12	—	—	—	1,2	0,2•
M52 × 2	M52 × 2 keg	3	—	60	64	52,3	58	4	49	—	—	16	—	—	15	—	1,6	
M56 × 2	M56 × 2 keg	3	—	64	68	56,3	—	4	53	—	—	20	—	—	—	—	1,6	
M60 × 2	—	3	—	68	72	60,3	—	4	57	—	16	20	—	—	—	—	1,6	
M64 × 2	—	3	—	72	776	64,3	—	4	61	—	—	20	—	—	—	—	1,6	
M78 × 2	—	3	—	88	888	78,3	—	4	75	—	16	—	—	—	—	—	1,6	

NOTE: Thread sizes and values for type B stud ends marked • are identical with those specified in DIN EN ISO 9974-3.

[1]) Where sealing is by compression against the face, d_3 shall preferably be small.

[2]) Type C stud ends with i_2 of the short design shall be provided with a taper screw thread with a useful thread of short length as specified in DIN 158-1.

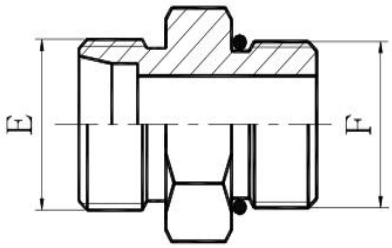
[3]) In the automotive industry, thread sizes M20 × 1,5 keg to M26 × 1,5 keg may be used with i_2 equal to 12 mm for the standard design, or equal to 10 mm for the short design, in accordance with DIN 158-1.

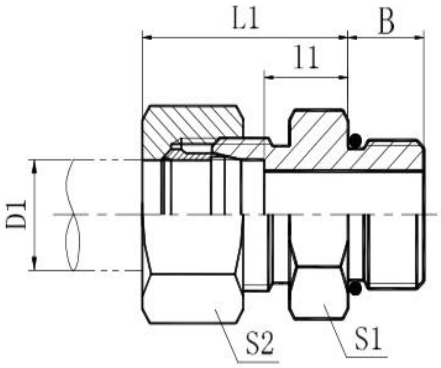
[4]) Size only to be used for LL type couplings.

DIN TO METRIC STUD CONNECTOR CATAGLOG AS FOLLOWS:

1CH-OR 1DH-OR Straight DIN Fittings

DIN 24° cone end/Male M thread O-ring (ISO 6149), Parker GEO male METRIC stud connector

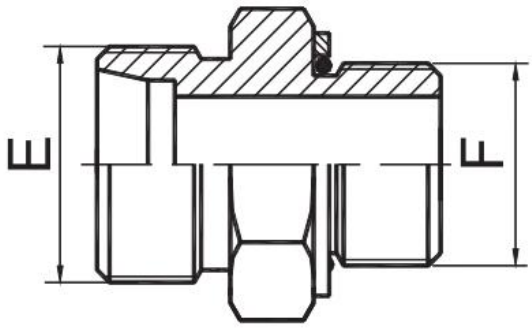


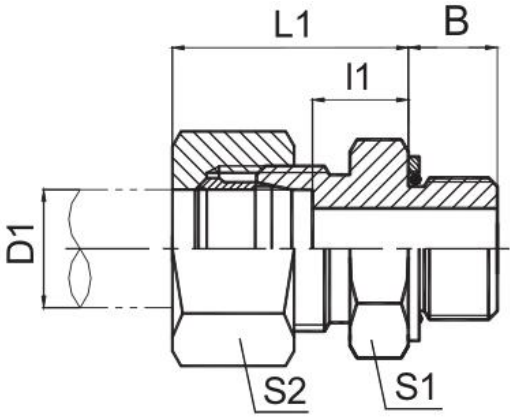


PART NO.	PARKER NO.	E	F	D1	O RING	B	l1	L1	S1	S2
L SERIES										
1CH-12-10OR	GEO06LMOMD	M12X1.5	M10X1	6	O08.1X1.6	8.5	9.5	23	14	14
1CH-14OR	GEO08LM14X1.5OMD	M14X1.5	M14X1.5	8	O11.3X2.2	11	10	25	19	17
1CH-14-12OR	GEO08LMOMD	M14X1.5	M12X1.5	8	O09.3X2.2	11	10	25	17	17
1CH-16-14OR	GEO10LMOMD	M16X1.5	M14X1.5	10	O11.3X2.2	11	13	26	19	19
1CH-18-14OR	GEO12LM14X1.5OMD	M18X1.5	M14X1.5	12	O11.3X2.2	11	11	25.5	19	22
1CH-14-18OR	GEO08LM18X1.5OMD	M14X1.5	M18X1.5	8	O15.3X2.2	12.5	11.5	26.5	24	17
1CH-16OR	GEO10LM16X1.5OMD	M16X1.5	M16X1.5	10	O13.3X2.2	11.5	12.5	28	22	19
1CH-16-18OR	GEO10LM18X1.5OMD	M16X1.5	M18X1.5	10	O15.3X2.2	12.5	12.5	28	24	19
1CH-18-16OR	GEO12LMOMD	M18X1.5	M16X1.5	12	O13.3X2.2	11.5	12.5	27	22	22
1CH-22-16OR	GEO15LM16X1.5OMD	M22X1.5	M16X1.5	15	O13.3X2.2	11.5	13.5	29.5	24	27
1CH-22-18OR	GEO15LMOMD	M22X1.5	M18X1.5	15	O15.3X2.2	12.5	13.5	29	24	27
1CH-16-22OR	GEO10LM22X1.5OMD	M16X1.5	M22X1.5	10	O19.3X2.2	13	13.5	29.5	27	19
1CH-22-20OR	GEO15LM20X1.5OMD	M22X1.5	M20X1.5	15	O17.3X2.2	12	15	30.5	27	27
1CH-22OR	GEO15LM22X1.5OMD	M22X1.5	M22X1.5	15	O19.3X2.2	13	15	31	27	27
1CH-26-22OR	GEO18LM22X1.5OMD	M26X1.5	M22X1.5	18	O19.3X2.2	13	14.5	31	27	32
1CH-26OR	GEO18LM26X1.5OMD	M26X1.5	M26X1.5	18	O23.6X2.9	13.5	14.5	31	32	32
1CH-26-27OR	GEO18LM27X2OMD	M26X1.5	M27X2	18	O23.6X2.9	16	14.5	32	32	32
1CH-26-33OR	GEO18LM33X2OMD	M26X1.5	M33X2	18	O29.6X2.9	16	15.5	33	41	32
1CH-30-22OR	GEO22LM22X1.5OMD	M30X2	M22X1.5	22	O19.3X2.2	13	16.5	33	32	36
1CH-30-27OR	GEO22LM27X2OMD	M30X2	M27X2	22	O23.6X2.9	16	16.5	33	32	36
1CH-30OR	GEO22LM30X2OMD	M30X2	M30X2	22	O26.6X2.9	16	17.5	33	36	36
1CH-36-27OR	GEO28LM27X2OMD	M36X2	M27X2	28	O23.6X2.9	16	17	34	41	41
1CH-36-33OR	GEO28LM33X2OMD	M36X2	M33X2	28	O29.6X2.9	16	17.5	34	41	41
1CH-36-42OR	GEO28LMOMD	M36X2	M42X2	28	O38.6X2.9	16	18.5	35	50	41
1CH-45-33OR	GEO35LM33X2OMD	M45X2	M33X2	35	O29.6X2.9	16	17.5	37	46	50
1CH-45-42OR	GEO35LMOMD	M45X2	M42X2	35	O38.6X2.9	16	17.5	37	50	50
1CH-52-48OR	GEO42LMOMD	M52X2	M48X2	42	O44.6X2.9	17.5	19	40	55	60
S SERIES										
1DH-14OR	GEO06SM14X1.5OMD	M14X1.5	M14X1.5	6	O11.3X2.2	11	15	28	19	17
1DH-14-12OR	GEO06SMOMD	M14X1.5	M12X1.5	6	O09.3X2.2	11	13	28	17	17

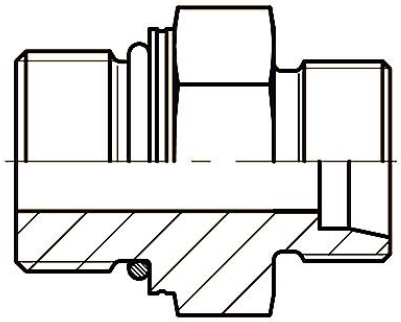
1DH-16-14OR	GEO08SMOMD	M16X1.5	M14X1.5	8	O11.3X2.2	11	15	30	19	19
1DH-18-16OR	GEO10SMOMD	M18X1.5	M16X1.5	10	O13.3X2.2	11.5	15	31	22	22
1DH-20-14OR	GEO12SM14X1.5OMD	M20X1.5	M14X1.5	12	O11.3X2.2	11	15	31	22	24
1DH-20-16OR	GEO12SM16X1.5OMD	M20X1.5	M16X1.5	12	O13.3X2.2	11.5	15	31	22	24
1DH-20-18OR	GEO12SMOMD	M20X1.5	M18X1.5	12	O15.3X2.2	12.5	17	33	24	24
1DH-20-22OR	GEO12SM22X1.5OMD	M20X1.5	M22X1.5	12	O19.3X2.2	13	17.5	35	27	30
1DH-24-22OR	GEO16SMOMD	M24X1.5	M22X1.5	16	O19.3X2.2	13	18.5	37	27	30
1DH-30OR	GEO20SM30X2OMD	M30X2	M30X2	20	O26.6X2.9	16	20.5	42	36	36
1DH-30-27OR	GEO20SMOMD	M30X2	M27X2	20	O23.6X2.9	16	20.5	42	32	36
1DH-30-33OR	GEO20SM33X2OMD	M30X2	M33X2	20	O29.6X2.9	18.5	22.5	42	41	36
1DH-36-27OR	GEO25SM27X2OMD	M36X2	M27X2	25	O23.6X2.9	16	23	47	41	46
1DH-36-33OR	GEO25SMOMD	M36X2	M33X2	25	O29.6X2.9	18.5	23	47	41	46
1DH-42OR	GEO30SMOMD	M42X2	M42X2	30	O38.6X2.9	16	23.5	50	50	50
1DH-42-48OR	GEO38SMOMD	M42X2	M48X2	30	O44.6X2.9	17.5	26.5	52	55	50
PART NO.	PARKER NO.	E	F	D1	O RING	B	l1	L1	S1	S2

If you need flat face seal type, only change OR to OG(the below picture), only add the retaining ring, such as 1CH-12-10OR become 1CH12-10OG(o-ring and retaining ring)



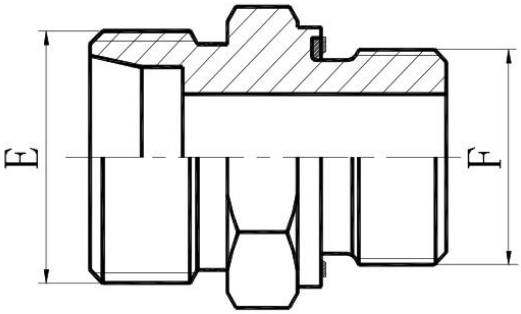


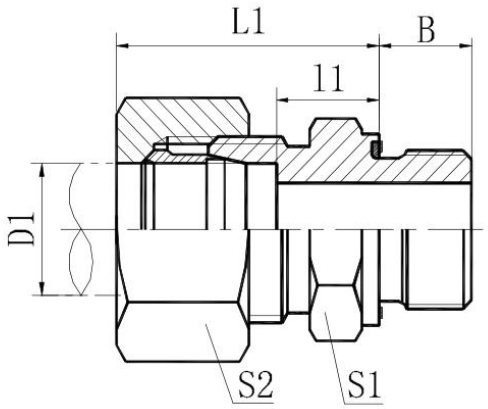
Parker type with identification of metric stud end O-ring seal, but it is optional for manufacturer.



1CM-WD 1DM-WD Straight DIN Fittings

DIN 24° cone end/Male M thread ED seal ISO 9974 Type E, Parker GE-M-ED male METRIC stud connector

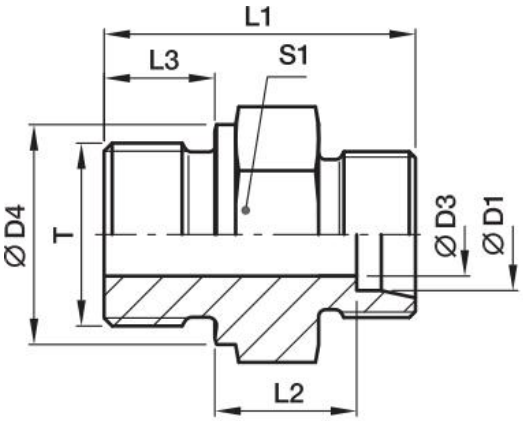


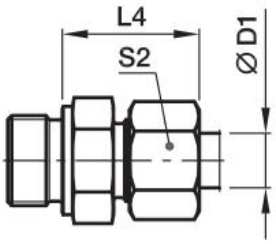


PART NO.	PARKER NO.	E	F	D1	CAPTIVE SEAL	B	l1	L1	S1	S2
L SERIES										
1CM-12-10WD	GE06LMEDOMD	M12X1.5	M10X1	6	WD-B02	8	9.5	23	14	14
1CM-14-12WD	GE08LMEDOMD	M14X1.5	M12X1.5	8	WD-M12	12	10.5	25	17	17
1CM-16-12WD	GE10LM12X1.5EDOMD	M16X1.5	M12X1.5	10	WD-M12	12	11	25	17	19
1CM-16-14WD	GE10LMEDOMD	M16X1.5	M14X1.5	10	WD-M14	12	10	26	19	19
1CM-16-18WD	GE10LM18X1.5EDOMD	M16X1.5	M18X1.5	10	WD-M18	12	12.5	27	24	19
1CM-18-16WD	GE12LMEDOMD	M18X1.5	M16X1.5	12	WD-M16	12	12.5	27	22	22
1CM-18WD	GE12LM18X1.5EDOMD	M18X1.5	M18X1.5	12	WD-M18	12	12.5	27	24	22
1CM-18-22WD	GE12LM22X1.5EDOMD	M18X1.5	M22X1.5	12	WD-M22	14	14	29	27	22
1CM-22-18WD	GE15LMEDOMD	M22X1.5	M18X1.5	15	WD-M18	12	14	29	24	27
1CM-22WD	GE15LM22X1.5EDOMD	M22X1.5	M22X1.5	15	WD-M22	14	15	30	27	27
1CM-26-22WD	GE18LMEDOMD	M26X1.5	M22X1.5	18	WD-M22	14	14.8	31	27	32
1CM-30-26WD	GE22LMEDOMD	M30X2	M26X1.5	22	WD-B12	16	16.5	33	32	36
1CM-30-27WD	GE22LM27X1.5EDOMD	M30X2	M27X2	22	WD-B12	16	16.5	33	32	36
1CM-36-33WD	GE28LMEDOMD	M36X2	M33X2	28	WD-B16	18	17.5	34	41	41
1CM-45-42WD	GE35LMEDOMD	M45X2	M42X2	35	WD-B20	20	17.5	39	50	50
1CM-52-48WD	GE42LMEDOMD	M52X2	M48X2	42	WD-B24	22	20	42	55	60
S SERIES										
1DM-14-12WD	GE06SMEDOMD	M14X1.5	M12X1.5	6	WD-M12	12	13	28	17	17
1DM-16-14WD	GE08SMEDOMD	M16X1.5	M14X1.5	8	WD-M14	12	15	30	19	19
1DM-18-16WD	GE10SMEDOMD	M18X1.5	M16X1.5	10	WD-M16	12	14.5	31	22	22
1DM-20-18WD	GE12SMEDOMD	M20X1.5	M18X1.5	12	WD-M18	12	17	33	24	24
1DM-22-20WD	GE14SMEDOMD	M22X1.5	M20X1.5	14	WD-M20	14	19	37	27	27
1DM-24-22WD	GE16SMEDOMD	M24X1.5	M22X1.5	16	WD-M22	14	15.5	37	27	30
1DM-30-27WD	GE20SMEDOMD	M30X2	M27X2	20	WD-B12	16	20.5	42	32	36
1DM-36-33WD	GE25SMEDOMD	M36X2	M33X2	25	WD-B16	18	23	47	41	46
1DM-42WD	GE30SMEDOMD	M42X2	M42X2	30	WD-B20	20	23.5	50	50	50
1DM-52-48WD	GE38SMEDOMD	M52X2	M48X2	38	WD-B24	22	26	55	55	60

1CM-B 1DM-B Straight DIN Fittings

DIN 24° cone end/Male M thread metal to metal seal (ISO 9974-3 Type B), Parker GE-M male METRIC stud connector



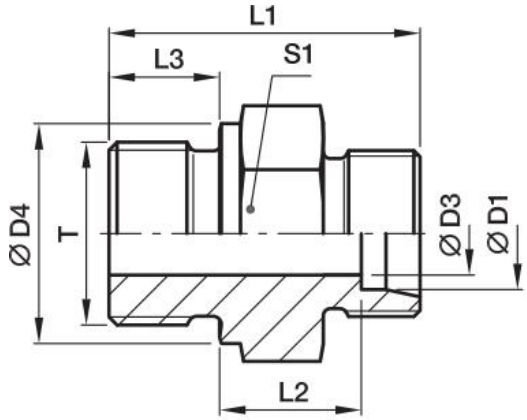


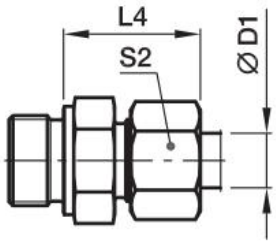
PART NO.	PARKER NO.	D1	T	D3	D4	L1	L2	L3	L4	S1	S2	g/1 piece
L SERIES												
1CM-12-10B	GE06LM	6	M10×1	4	14	23.5	8.5	8	23	14	14	13
1CM-14-12B	GE08LM	8	M12×1.5	6	17	29	10	12	25	17	17	22
1CM-16-14B	GE10LM	10	M14×1.5	7	19	30	11	12	26	19	19	31
1CM-16-10B	GE10LM10X1	10	M10×1	4	14	25.5	10.5	8	25	17	19	20
1CM-18-12B	GE10LM12X1.5	10	M12×1.5	6	17	30	11	12	26	17	19	25
1CM-16-16B	GE10LM16X1.5	10	M16×1.5	8	21	31.5	12	12	27	22	19	41
1CM-16-18B	GE10LM18X1.5	10	M18×1.5	8	23	31.5	12.5	12	27	24	19	50
1CM-16-22B	GE10LM22X1.5	10	M22×1.5	8	27	35	14	14	29	27	19	72
1CM-18-14B	GE12LM14X1.5	12	M14×1.5	7	19	30	11	12	26	19	22	30
1CM-18-16B	GE12LM	12	M16×1.5	9	21	31.5	12.5	12	27	22	22	40
1CM-18-18B	GE12LM18X1.5	12	M18×1.5	10	23	31.5	12.5	12	27	24	22	47
1CM-18-22B	GE12LM22X1.5	12	M22×1.5	10	27	35	14	14	29	27	22	76
1CM-22-16B	GE15LM16X1.5	15	M16×1.5	9	21	32	13	12	28	24	27	50
1CM-22-18B	GE15LM	15	M18×1.5	11	23	32.5	13.5	12	29	24	27	52
1CM-22-22B	GE15LM22X1.5	15	M22×1.5	12	27	36	15	14	30	27	27	77
1CM-26-18B	GE18LM18X1.5	18	M18×1.5	11	23	33.5	14	12	30	27	32	68
1CM-26-22B	GE18LM	18	M22×1.5	14	27	36	14.5	14	31	27	32	77
1CM-30-22B	GE22LM22X1.5	22	M22×1.5	14	27	38	16.5	14	33	32	36	92
1CM-30-26B	GE22LM	22	M26×1.5	18	31	40	16.5	16	33	32	36	102
1CM-36-33B	GE28LM	28	M33×2	23	39	43	17.5	18	34	41	41	168
1CM-45-42B	GE35LM	35	M42×2	30	49	48	17.5	20	39	50	50	280
1CM-52-48B	GE42LM	42	M48×2	36	55	52	19	22	42	55	60	354
S SERIES												
1DM-14-12B	GE06SM	6	M12×1.5	4	17	32	13	12	28	17	17	30
1DM-14-14B	GE06SM14X1.5	6	M14×1.5	4	19	34	15	12	30	19	17	42
1DM-16-14B	GE08SM	8	M14×1.5	5	19	34	15	12	30	19	19	43
1DM-18-16B	GE10SM	10	M16×1.5	7	21	34.5	15	12	31	22	22	54
1DM-20-18B	GE12SM	12	M18×1.5	8	23	36.5	17	12	33	24	24	72
1DM-20-14B	GE12SM14X1.5	12	M14×1.5	5	19	36	16.5	12	33	22	24	60

DIN HYDRAULIC FITTINGS

DIN 2353/ISO 8434-1 SAE ORB

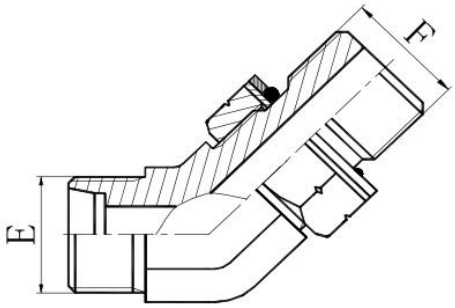
1DM-20-22B	GE12SM22X1.5	12	M22×1.5	8	27	39	17.5	14	34	27	24	103
1DM-20-20B	GE14SM	14	M20×1.5	10	25	41	19	14	37	27	27	95
1DM-24-18B	GE16SM18X1.5	16	M18×1.5	8	23	38.5	18	12	36	27	30	88
1DM-24-22B	GE16SM	16	M22×1.5	12	27	41	18.5	14	37	27	30	97
1DM-30-27B	GE20SM	20	M27×2	16	32	47	20.5	16	42	32	36	155
1DM-36-33B	GE25SM	25	M33×2	20	39	53	23	18	47	41	46	268
1DM-42-42B	GE30SM	30	M42×2	25	49	57	23.5	20	50	50	50	421
1DM-52-48B	GE38SM	38	M48×2	32	55	64	26	22	57	55	60	568
PART NO.	PARKER NO.	D1	T	D3	D4	L1	L2	L3	L4	S1	S2	g/1 piece

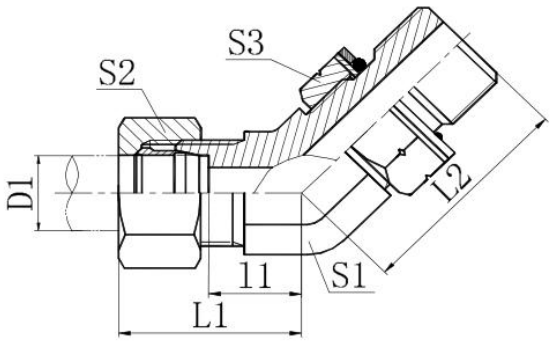




1CH4-OG 1DH4-OG 45 degree Elbow Adjustable locknut DIN Fittings

DIN 24° cone end/Male M thread O ring and Retaining ring seal , Parker VEE-M male METRIC stud connector





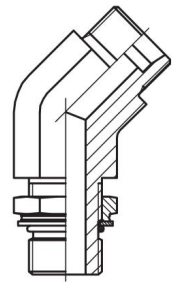
PART O.	PARKER O.	E	F	D1	O RING	l1	L1	L2	S1	S2	S3
L SERIES											
1CH4-12-10OG	VEE06LMOMD	M12X1.5	M10X1	6	O08.1X1.6	10	25	23.5	11	14	14
1CH4-14-12OG	VEE08LMOMD	M14X1.5	M12X1.5	8	O09.3X2.4	11	26	28	14	17	17
1CH4-16-14OG	VEE10LMOMD	M16X1.5	M14X1.5	10	O11.3X2.4	12.3	27.3	29	16	19	19
1CH4-18-16OG	VEE12LMOMD	M18X1.5	M16X1.5	12	O13.3X2.4	13	28	31	19	22	22
1CH4-22-18OG	VEE15LMOMD	M22X1.5	M18X1.5	15	O15.3X2.4	15	30	32	22	27	24
1CH4-26-22OG	VEE18LMOMD	M26X1.5	M22X1.5	18	O19.3X2.4	16.5	33	34.5	27	32	27
1CH4-30-27OG	VEE22LM27X2OMD	M30X2	M27X2	22	O23.5X3.0	19.7	36.2	40.5	30	36	32
1CH4-36-33OG	VEE28LMOMD	M36X2	M33X2	28	O29.5X3.0	21.5	38	42.5	36	41	41
1CH4-45-42OG	VEE35LMOMD	M45X2	M42X2	35	O38.5X3.0	25.5	47	48	48	50	50
S SERIES											
1DH4-14-12OG	VEE06SMOMD	M14X1.5	M12X1.5	6	O09.3X2.4	13	28	28	14	17	17
1DH4-16-14OG	VEE08SMOMD	M16X1.5	M14X1.5	8	O11.3X2.4	13.3	28.3	29	16	19	19
1DH4-18-16OG	VEE10SMOMD	M18X1.5	M16X1.5	10	O13.3X2.4	13.5	30	31	19	22	22
1DH4-20-18OG	VEE12SMOMD	M20X1.5	M18X1.5	12	O15.3X2.4	13.5	30	31.5	19	24	24
1DH4-24-22OG	VEE16SMOMD	M24X1.5	M22X1.5	16	O19.3X2.4	16.2	34.7	32	24	30	27
1DH4-30-27OG	VEE20SMOMD	M30X2	M27X2	20	O23.5X3.0	18.7	40.2	40.5	30	36	32
1DH4-36-33OG	VEE25SMOMD	M36X2	M33X2	25	O29.5X3.0	21	45	42.5	36	46	41
1DH4-42OG	VEE30SMOMD	M42X2	M42X2	30	O38.5X3.0	24.3	50.8	45	41	50	50

If you need O ring seal ISO 6149, please indicate part no such as 1CH4-12-10OR.

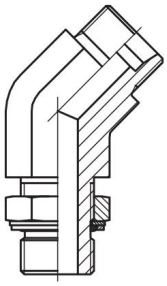
1CH4-OR 1DH4-OR 45 degree Elbow Adjustable locknut DIN Fittings

DIN 24° cone end/Male M thread O ring seal ISO 6149 , Parker VEE-OR male METRIC stud connector

PART O.	PARKER O.	E	F	D1	O RING	l1	L1	L2	S1	S2	S3
L SERIES											
1CH4-12-10OR	VEE06LMOROMD	M12X1.5	M10X1	6	O08.1X1.6	10	25	23.5	11	14	14
1CH4-14-12OR	VEE08LMOROMD	M14X1.5	M12X1.5	8	O09.3X2.4	11	26	28	14	17	17
1CH4-16-14OR	VEE10LMOROMD	M16X1.5	M14X1.5	10	O11.3X2.4	12.3	27.3	29	16	19	19
1CH4-18-16OR	VEE12LMOROMD	M18X1.5	M16X1.5	12	O13.3X2.4	13	28	31	19	22	22
1CH4-22-18OR	VEE15LMOROMD	M22X1.5	M18X1.5	15	O15.3X2.4	15	30	32	22	27	24
1CH4-26-22OR	VEE18LMOROMD	M26X1.5	M22X1.5	18	O19.3X2.4	16.5	33	34.5	27	32	27
1CH4-30-27OR	VEE22LM27X2OROMD	M30X2	M27X2	22	O23.5X3.0	19.7	36.2	40.5	30	36	32
1CH4-36-33OR	VEE28LMOROMD	M36X2	M33X2	28	O29.5X3.0	21.5	38	42.5	36	41	41
1CH4-45-42OR	VEE35LMOROMD	M45X2	M42X2	35	O38.5X3.0	25.5	47	48	48	50	50
S SERIES											
1DH4-14-12OR	VEE06SMOROMD	M14X1.5	M12X1.5	6	O09.3X2.4	13	28	28	14	17	17
1DH4-16-14OR	VEE08SMOROMD	M16X1.5	M14X1.5	8	O11.3X2.4	13.3	28.3	29	16	19	19
1DH4-18-16OR	VEE10SMOROMD	M18X1.5	M16X1.5	10	O13.3X2.4	13.5	30	31	19	22	22
1DH4-20-18OR	VEE12SMOROMD	M20X1.5	M18X1.5	12	O15.3X2.4	13.5	30	31.5	19	24	24
1DH4-24-22OR	VEE16SMOROMD	M24X1.5	M22X1.5	16	O19.3X2.4	16.2	34.7	32	24	30	27
1DH4-30-27OR	VEE20SMOROMD	M30X2	M27X2	20	O23.5X3.0	18.7	40.2	40.5	30	36	32
1DH4-36-33OR	VEE25SMOROMD	M36X2	M33X2	25	O29.5X3.0	21	45	42.5	36	46	41
1DH4-42OR	VEE30SMOROMD	M42X2	M42X2	30	O38.5X3.0	24.3	50.8	45	41	50	50



VEE-OR

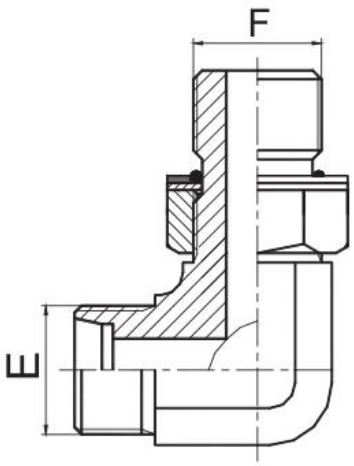


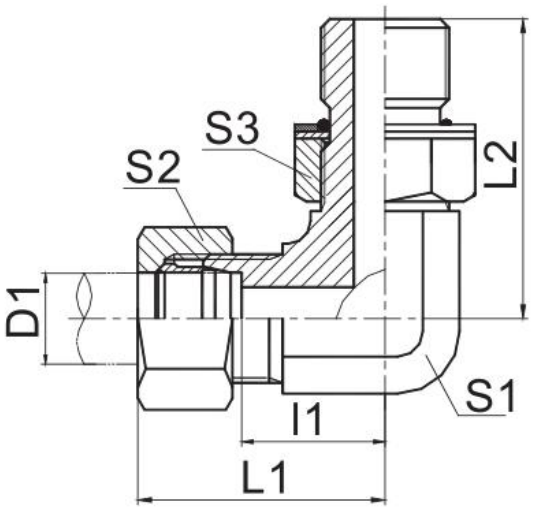
VEE-M

VEE-OR=1CH4/1DH4-OR, VEE-M=1CH4/1DH4-OG, only difference is retaining ring, other dimension is the same.

1CH9-OG 1DH9-OG Elbow Adjustable locknut DIN Fittings

DIN 24° cone end/Male M thread O ring and retaining ring seal , Parker WEE-M male METRIC stud connector

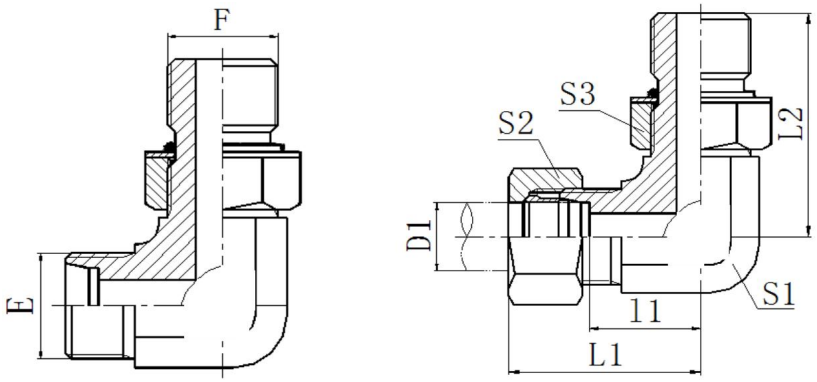




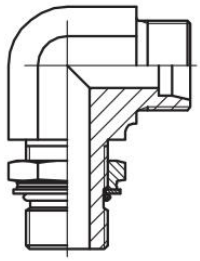
PART NO.	PARKER NO.	E	F	D1	O-RING	l1	L1	L2	S1	S2	S3
L SERIES											
1CH9-12-10OG	WEE06LMOMD	M12X1.5	M10X1	6	O08.1X1.6	13	28	26.5	11	14	14
1CH9-14-12OG	WEE08LMOMD	M14X1.5	M12X1.5	8	O09.3X2.2	15.5	30.5	32.5	14	17	17
1CH9-16-14OG	WEE10LMOMD	M16X1.5	M14X1.5	10	O11.3X2.2	17.5	32.5	34	16	19	19
1CH9-18-16OG	WEE12LMOMD	M18X1.5	M16X1.5	12	O13.3X2.2	19	34	36	19	22	22
1CH9-22-18OG	WEE15LMOMD	M22X1.5	M18X1.5	15	O15.3X2.2	22	37	39.5	22	27	24
1CH9-26-22OG	WEE18LMOMD	M26X1.5	M22X1.5	18	O19.3X2.2	25.5	42	43.5	27	32	27
1CH9-30-27OG	WEE22LM27X2OMD	M30X2	M27X2	22	O23.6X2.9	29.5	45.8	50	30	36	32
1CH9-36-33OG	WEE28LMOMD	M36X2	M33X2	28	O29.6X2.9	33.2	49.8	54	36	41	41
S SERIES											
1DH9-14-12OG	WEE06SMOMD	M14X1.5	M12X1.5	6	O09.3X2.2	17.5	32.5	32	14	17	17
1DH9-16-14OG	WEE08SMOMD	M16X1.5	M14X1.5	8	O11.3X2.2	18.5	33.7	34	16	19	19
1DH9-18-16OG	WEE10SMOMD	M18X1.5	M16X1.5	10	O13.3X2.2	19.5	36	36	19	22	22
1DH9-20-18OG	WEE12SMOMD	M20X1.5	M18X1.5	12	O15.3X2.2	19.5	36	37	19	24	24
1DH9-22-20OG	WEE14SMOMD	M22X1.5	M20X1.5	14	O17.3X2.2	23.5	41	40.5	22	27	27
1DH9-24-22OG	WEE16SMOMD	M24X1.5	M22X1.5	16	O19.3X2.2	24	42	41	24	30	27
1DH9-30-27OG	WEE20SMOMD	M30X2	M27X2	20	O23.6X2.9	28.5	49.8	50	30	36	32
1DH9-36-33OG	WEE25SMOMD	M36X2	M33X2	25	O29.6X2.9	32.8	56.8	54	36	46	41
1DH9-42OG	WEE30SMOMD	M42X2	M42X2	30	O38.6X2.9	36	62.7	57.2	41	50	50

1CH9-OR 1DH9-OR Elbow Adjustable locknut DIN Fittings

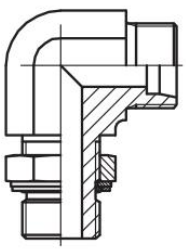
DIN 24° cone end/Male M thread O ring seal(ISO 6149) , Parker WEE-OR male METRIC stud connector



PART NO.	PARKER NO.	E	F	D1 TUBE O.D.	O-RING	l1	L1	L2	S1	S2	S3
L SERIES											
1CH9-12-10OR	WEE06LMOROMD	M12X1.5	M10X1	6	O08.1X1.6	13	28	26.5	11	14	14
1CH9-14-12OR	WEE08LMOROMD	M14X1.5	M12X1.5	8	O09.3X2.2	15.5	30.5	32.5	14	17	17
1CH9-16-14OR	WEE10LMOROMD	M16X1.5	M14X1.5	10	O11.3X2.2	17.5	32.5	34	16	19	19
1CH9-18-16OR	WEE12LMOROMD	M18X1.5	M16X1.5	12	O13.3X2.2	19	34	36	19	22	22
1CH9-22-18OR	WEE15LMOROMD	M22X1.5	M18X1.5	15	O15.3X2.2	22	37	39.5	22	27	24
1CH9-26-22OR	WEE18LMOROMD	M26X1.5	M22X1.5	18	O19.3X2.2	25.5	42	43.5	27	32	27
1CH9-30-27OR	WEE22LM27X2OROMD	M30X2	M27X2	22	O23.6X2.9	29.5	45.8	50	30	36	32
1CH9-36-33OR	WEE28LMOROMD	M36X2	M33X2	28	O29.6X2.9	33.2	49.8	54	36	41	41
S SERIES											
1DH9-14-12OR	WEE06SMOROMD	M14X1.5	M12X1.5	6	O09.3X2.2	17.5	32.5	32	14	17	17
1DH9-16-14OR	WEE08SMOROMD	M16X1.5	M14X1.5	8	O11.3X2.2	18.5	33.7	34	16	19	19
1DH9-18-16OR	WEE10SMOROMD	M18X1.5	M16X1.5	10	O13.3X2.2	19.5	36	36	19	22	22
1DH9-20-18OR	WEE12SMOROMD	M20X1.5	M18X1.5	12	O15.3X2.2	19.5	36	37	19	24	24
1DH9-22-20OR	WEE14SMOROMD	M22X1.5	M20X1.5	14	O17.3X2.2	23.5	41	40.5	22	27	27
1DH9-24-22OR	WEE16SMOROMD	M24X1.5	M22X1.5	16	O19.3X2.2	24	42	41	24	30	27
1DH9-30-27OR	WEE20SMOROMD	M30X2	M27X2	20	O23.6X2.9	28.5	49.8	50	30	36	32
1DH9-36-33OR	WEE25SMOROMD	M36X2	M33X2	25	O29.6X2.9	32.8	56.8	54	36	46	41
1DH9-42OR	WEE30SMOROMD	M42X2	M42X2	30	O38.6X2.9	36	62.7	57.2	41	50	50



WEE-OR

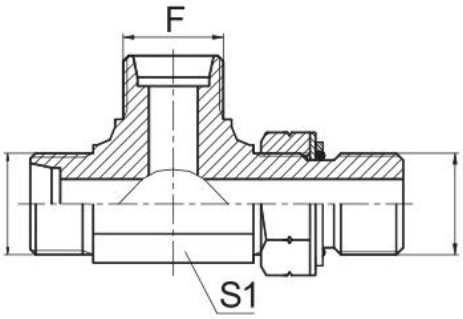


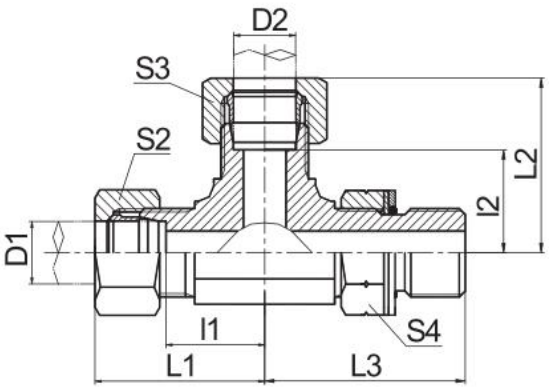
WEE-M

WEE-OR=1CH9/1DH9-OR, WEE-M=1CH9/1DH9-OG, only difference is retaining ring, other dimension is the same.

ACCH-OG ADDH-OG Run Tee Adjustable locknut DIN Fittings

DIN 24° cone end/DIN 24° cone end/Male M thread O ring and retaining ring seal , Parker LEE-M male METRIC stud connector

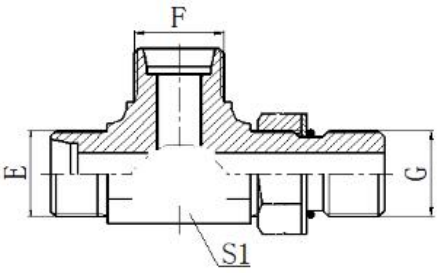


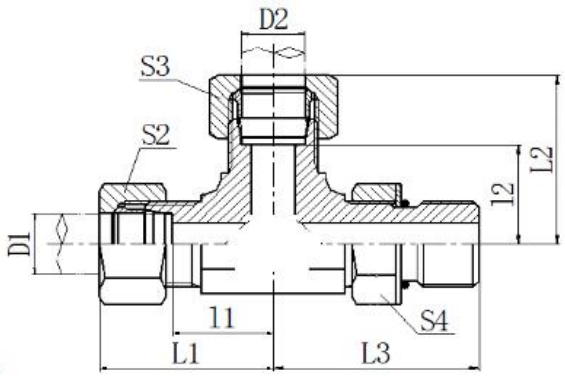


PART NO.	PARKER NO.	E,F	G	D1,D2	O RING	l1,l2	L1,L2	L3	S1	S2,S3	S4
L SERIES											
ACCH-12-12-10OG	LEE06LMOMD	M12X1.5	M10X1	6	O08.1X1.6	13	28	26.5	11	14	14
ACCH-14-14-12OG	LEE08LMOMD	M14X1.5	M12X1.5	8	O09.3X2.2	15.5	30.5	32	14	17	17
ACCH-16-16-14OG	LEE10LMOMD	M16X1.5	M14X1.5	10	O11.3X2.2	17.5	32.5	34	16	19	19
ACCH-18-18-16OG	LEE12LMOMD	M18X1.5	M16X1.5	12	O13.3X2.2	19	34	36	19	22	22
ACCH-22-22-18OG	LEE15LMOMD	M22X1.5	M18X1.5	15	O15.3X2.4	22	37	39.5	22	27	24
ACCH-26-26-22OG	LEE18LMOMD	M26X1.5	M22X1.5	18	O19.3X2.2	25.5	42	43.5	27	32	27
ACCH-30-30-27OG	LEE22LM27X2OMD	M30X2	M27X2	22	O23.6X2.9	29.3	45.8	50	30	36	32
ACCH-36-36-33OG	LEE28LMOMD	M36X2	M33X2	28	O29.6X2.9	33.3	49.8	54	36	41	41
S SERIES											
ADDH-14-14-12OG	LEE06SMOMD	M14X1.5	M12X1.5	6	O09.3X2.2	17.5	32.5	32	14	17	17
ADDH-16-16-14OG	LEE08SMOMD	M16X1.5	M14X1.5	8	O11.3X2.2	18.7	33.7	34	16	19	19
ADDH-18-18-16OG	LEE10SMOMD	M18X1.5	M16X1.5	10	O13.3X2.2	19.5	36	36	19	22	22
ADDH-20-20-18OG	LEE12SMOMD	M20X1.5	M18X1.5	12	O15.3X2.4	19.5	36	37	19	24	24
ADDH-24-24-22OG	LEE16SMOMD	M24X1.5	M22X1.5	16	O19.3X2.2	24	42	46	24	30	27
ADDH-30-30-27OG	LEE20SMOMD	M30X2	M27X2	20	O23.6X2.9	28.3	49.8	50	30	36	32
ADDH-36-36-33OG	LEE25SMOMD	M36X2	M33X2	25	O29.6X2.9	32.8	56.8	54	36	46	41
ADDH-42-42-42OG	LEE30SMOMD	M42X2	M42X2	30	O38.6X2.9	36.2	62.7	57.2	41	50	50

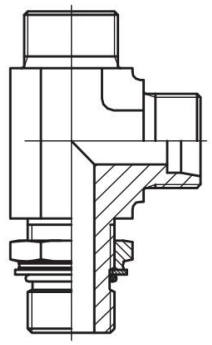
ACCH-OR ADDH-OR Run Tee Adjustable locknut DIN Fittings

DIN 24° cone end/DIN 24° cone end/Male M thread O ring ISO 6149 , Parker LEE-OR male METRIC stud connector

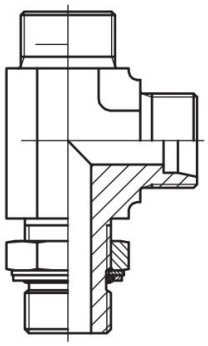




PART NO.	PARKER NO.	E,F	G	D1,D2	O RING	l1,l2	L1,L2	L3	S1	S2,S3	S4
L SERIES											
ACCH-12-12-10OR	LEE06LMOROMD	M12X1.5	M10X1	6	O08.1X1.6	13	28	26.5	11	14	14
ACCH-14-14-12OR	LEE08LMOROMD	M14X1.5	M12X1.5	8	O09.3X2.2	15.5	30.5	32	14	17	17
ACCH-16-16-14OR	LEE10LMOROMD	M16X1.5	M14X1.5	10	O11.3X2.2	17.5	32.5	34	16	19	19
ACCH-18-18-16OR	LEE12LMOROMD	M18X1.5	M16X1.5	12	O13.3X2.2	19	34	36	19	22	22
ACCH-22-22-18OR	LEE15LMOROMD	M22X1.5	M18X1.5	15	O15.3X2.4	22	37	39.5	22	27	24
ACCH-26-26-22OR	LEE18LMOROMD	M26X1.5	M22X1.5	18	O19.3X2.2	25.5	42	43.5	27	32	27
ACCH-30-30-27OR	LEE22LM27X2OROMD	M30X2	M27X2	22	O23.6X2.9	29.3	45.8	50	30	36	32
ACCH-36-36-33OR	LEE28LMOROMD	M36X2	M33X2	28	O29.6X2.9	33.3	49.8	54	36	41	41
S SERIES											
ADDH-14-14-12OR	LEE06SMOROMD	M14X1.5	M12X1.5	6	O09.3X2.2	17.5	32.5	32	14	17	17
ADDH-16-16-14OR	LEE08SMOROMD	M16X1.5	M14X1.5	8	O11.3X2.2	18.7	33.7	34	16	19	19
ADDH-18-18-16OR	LEE10SMOROMD	M18X1.5	M16X1.5	10	O13.3X2.2	19.5	36	36	19	22	22
ADDH-20-20-18OR	LEE12SMOROMD	M20X1.5	M18X1.5	12	O15.3X2.4	19.5	36	37	19	24	24
ADDH-24-24-22OR	LEE16SMOROMD	M24X1.5	M22X1.5	16	O19.3X2.2	24	42	46	24	30	27
ADDH-30-30-27OR	LEE20SMOROMD	M30X2	M27X2	20	O23.6X2.9	28.3	49.8	50	30	36	32
ADDH-36-36-33OR	LEE25SMOROMD	M36X2	M33X2	25	O29.6X2.9	32.8	56.8	54	36	46	41
ADDH-42-42-42OR	LEE30SMOROMD	M42X2	M42X2	30	O38.6X2.9	36.2	62.7	57.2	41	50	50



LEE-OR

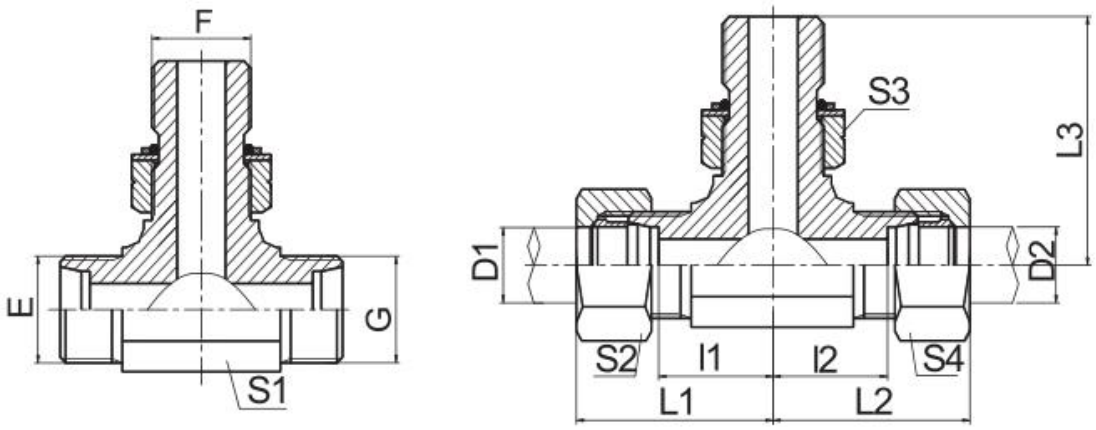


LEE-M

ACCH/ADDH-OR=LEE-OR, ACCH/ADDH-OG=LEE-M, the difference is retaining ring, other dimension is the same.

ACHC-OG ADHC-OG Branch Tee Adjustable locknut DIN Fittings

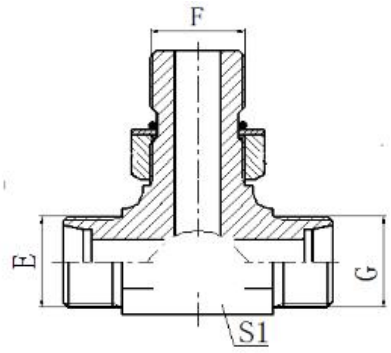
DIN 24° cone end/Male M thread O ring and retaining ring seal/DIN 24° cone end , Parker TEE-M male METRIC stud connector

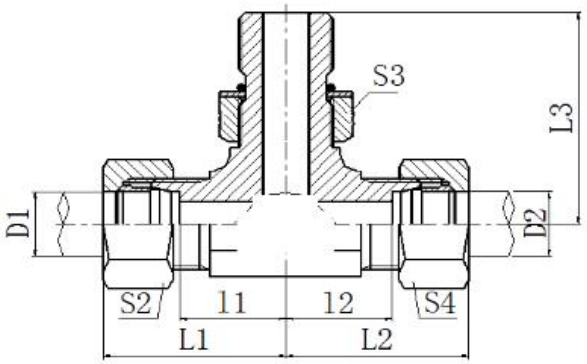


PART NO.	PARKER NO.	E,G	F	D1,D2	O RING	l1,l2	L1,L2	L3	S1	S2,S4	S3
L SERIES											
ACHC-12-10-12OG	TEE06LMOMD	M12X1.5	M10X1	6	O08.1X1.6	13	28	26.5	11	14	14
ACHC-14-12-14OG	TEE08LMOMD	M14X1.5	M12X1.5	8	O09.3X2.2	15.5	30.5	32	14	17	17
ACHC-16-14-16OG	TEE10LMOMD	M16X1.5	M14X1.5	10	O11.3X2.2	17.5	32.5	34	16	19	19
ACHC-18-16-18OG	TEE12LMOMD	M18X1.5	M16X1.5	12	O13.3X2.2	19	34	36	19	22	22
ACHC-22-18-22OG	TEE15LMOMD	M22X1.5	M18X1.5	15	O15.3X2.2	22	37	39.5	22	27	24
ACHC-26-22-26OG	TEE18LMOMD	M26X1.5	M22X1.5	18	O19.3X2.2	25.5	42	43.5	27	32	27
ACHC-30-27-30OG	TEE22LM27X2OMD	M30X2	M27X2	22	O23.6X2.9	29.3	45.8	50	30	36	32
ACHC-36-33-36OG	TEE28LMOMD	M36X2	M33X2	28	O29.6X2.9	33.3	49.8	54	36	41	41
S SERIES											
ADHD-14-12-14OG	TEE06SMOMD	M14X1.5	M12X1.5	6	O09.3X2.2	17.5	32.5	32	14	17	17
ADHD-16-14-16OG	TEE08SMOMD	M16X1.5	M14X1.5	8	O11.3X2.2	18.7	33.7	34	16	19	19
ADHD-18-16-18OG	TEE10SMOMD	M18X1.5	M16X1.5	10	O13.3X2.2	19.5	36	36	19	22	22
ADHD-20-18-20OG	TEE12SMOMD	M20X1.5	M18X1.5	12	O15.3X2.2	19.5	36	37	19	24	24
ADHD-24-22-24OG	TEE16SMOMD	M24X1.5	M22X1.5	16	O19.3X2.2	24	42	37.5	24	30	27
ADHD-30-27-30OG	TEE20SMOMD	M30X2	M27X2	20	O23.6X2.9	28.3	49.8	50	30	36	32
ADHD-36-33-36OG	TEE25SMOMD	M36X2	M33X2	25	O29.6X2.9	32.8	56.8	54	36	46	41
ADHD-42-42-42OG	TEE30SMOMD	M42X2	M42X2	30	O38.6X2.9	36.2	62.7	57.2	41	50	50

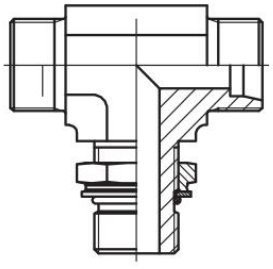
ACHC-OR ADHC-OR Branch Tee Adjustable locknut DIN Fittings

DIN 24° cone end/Male M thread O ring ISO 6149/DIN 24° cone end , Parker TEE-OR male METRIC stud connector

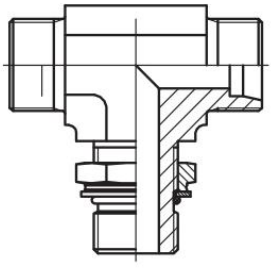




PART NO.	PARKER NO.	E,G	F	D1,D2	O RING	l1,l2	L1,L2	L3	S1	S2,S4	S3
L SERIES											
ACHC-12-10-12OR	TEE06LMOROMD	M12X1.5	M10X1	6	O08.1X1.6	13	28	26.5	11	14	14
ACHC-14-12-14OR	TEE08LMOROMD	M14X1.5	M12X1.5	8	O09.3X2.2	15.5	30.5	32	14	17	17
ACHC-16-14-16OR	TEE10LMOROMD	M16X1.5	M14X1.5	10	O11.3X2.2	17.5	32.5	34	16	19	19
ACHC-18-16-18OR	TEE12LMOROMD	M18X1.5	M16X1.5	12	O13.3X2.2	19	34	36	19	22	22
ACHC-22-18-22OR	TEE15LMOROMD	M22X1.5	M18X1.5	15	O15.3X2.2	22	37	39.5	22	27	24
ACHC-26-22-26OR	TEE18LMOROMD	M26X1.5	M22X1.5	18	O19.3X2.2	25.5	42	43.5	27	32	27
ACHC-30-27-30OR	TEE22LM27X2OROMD	M30X2	M27X2	22	O23.6X2.9	29.3	45.8	50	30	36	32
ACHC-36-33-36OR	TEE28LMOROMD	M36X2	M33X2	28	O29.6X2.9	33.3	49.8	54	36	41	41
S SERIES											
ADHD-14-12-14OR	TEE06SMOROMD	M14X1.5	M12X1.5	6	O09.3X2.2	17.5	32.5	32	14	17	17
ADHD-16-14-16OR	TEE08SMOROMD	M16X1.5	M14X1.5	8	O11.3X2.2	18.7	33.7	34	16	19	19
ADHD-18-16-18OR	TEE10SMOROMD	M18X1.5	M16X1.5	10	O13.3X2.2	19.5	36	36	19	22	22
ADHD-20-18-20OR	TEE12SMOROMD	M20X1.5	M18X1.5	12	O15.3X2.2	19.5	36	37	19	24	24
ADHD-24-22-24OR	TEE16SMOROMD	M24X1.5	M22X1.5	16	O19.3X2.2	24	42	37.5	24	30	27
ADHD-30-27-30OR	TEE20SMOROMD	M30X2	M27X2	20	O23.6X2.9	28.3	49.8	50	30	36	32
ADHD-36-33-36OR	TEE25SMOROMD	M36X2	M33X2	25	O29.6X2.9	32.8	56.8	54	36	46	41
ADHD-42-42-42OR	TEE30SMOROMD	M42X2	M42X2	30	O38.6X2.9	36.2	62.7	57.2	41	50	50



TEE-OR



TEE-M

ACHC/ADHD-OR=LEE-OR, ACHC/ADHD-OG=LEE-M, the difference is retaining ring, other dimension is the same.