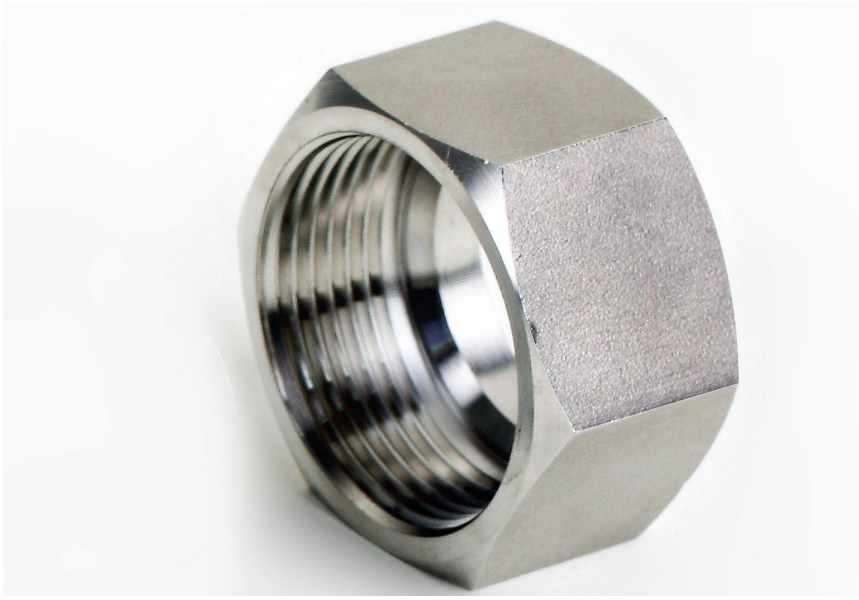
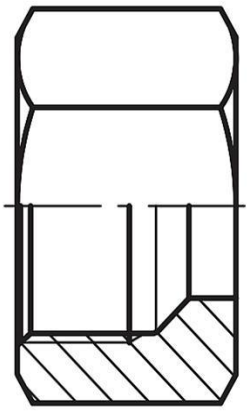
TUBE NUT DIN 3870 FOR DIN 2353/ISO 8434-1 FITTINGS

Din Tube Nut/Compression Nut / Union Nut



	**Industry Standard:** **DIN 3870 / ISO 8434-1** **Design Type:** **Union, Thrust-wire Nut For Swivel OR** **Material:** **Carbon Steel/Stainless Steel** **Finish:** **Zinc Plated/Zn-Ni Alloy Plated**

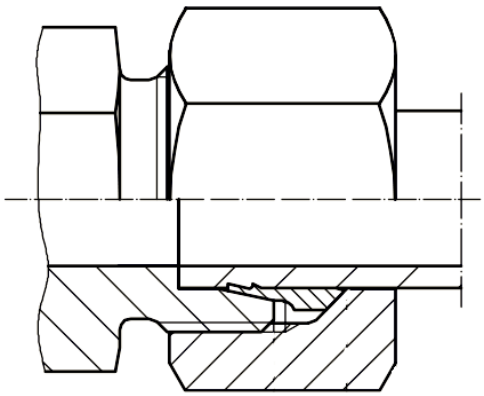
FITSCH

Introduction Of Tube Nut

Tube nuts is used for pushing the cutting ring bite into hydraulic tube, connecting the adapter fittings, it has different symbols such as ISO “N”, Parker “M”, Winner”NL/NS” etc, it is also coupling nuts and union nut.. We also provide wire nut and customized nut for your different need.

Assembly Of Tube Nut

The nut for pushing the front and second (two)edge to cut(double bite) the designed depth into the tube, with the correct torque of wrench, do it in the instruction of fittings assembly.



Standards Of Tube Nut

Products meet standard of DIN 3870(LL series), DIN 2353 and ISO 8434-1.

Finish is 72 hours without surface coating corrosion acc.to ISO 9227 Fe/Zn8/Cn/T0(T2).

Design of Tube Nut

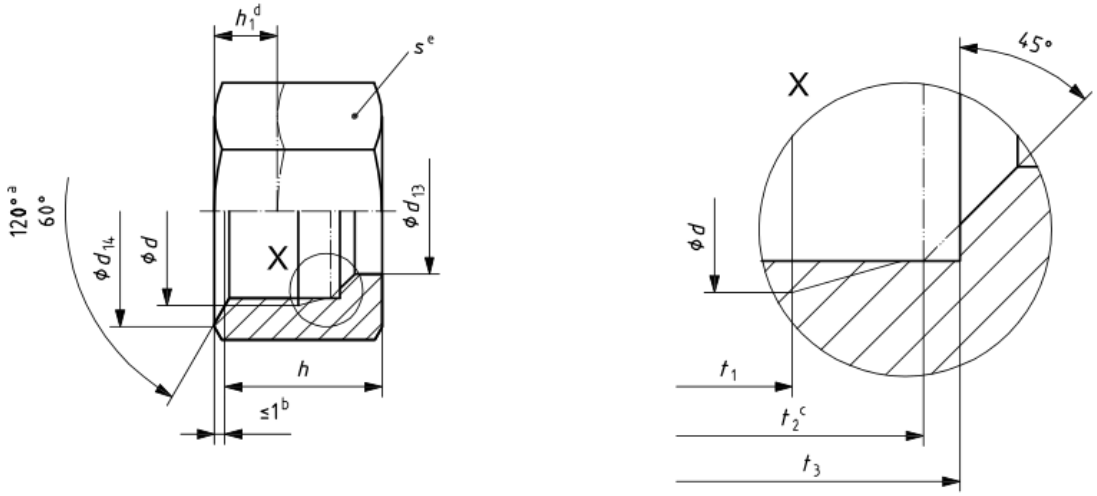
ISO 8434-1 is instead of DIN 3870 design of tube nut, nuts should be made of carbon steel, stainless steel and copper alloy, to be used with correspond to the fitting bodies.

Raw Material types of DIN tube nut

They are either cold formed, hot formed or machined from cold drawn, it is based on different size for right material shapes.

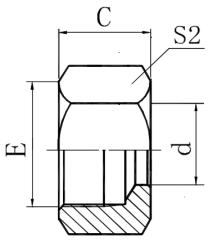


Dimensions of nuts from ISO 8434-1(DIN3870)



Series	Tube OD	Thread d	d13 B11	d14 ref.	11 min.	h +0.5 -0.2	h1 ±1	s	t2 0 +0.2	t3 0 +0.2
LL	4	M8×1	4	9.8	5	11	3.5	10	7.5	8
	5	M10×1	5	11.8	5.5	11.5	3.5	12	7.8	8.5
	6	M10×1	6	11.8	5.5	11.5	3.5	12	8.2	8.5
	8	M12×1	8	13.8	6	12	3.5	14	8.7	9
L	6	M12×1.5	6	13.8	7	14.5	4	14	10	10.5
	8	M14×1.5	8	16.8	7	14.5	4	17	10	10.5
	10	M16×1.5	10	18.8	8	15.5	4	19	11	11.5
	12	M18×1.5	12	21.8	8	15.5	5	22	11	11.5
	15	M22×1.5	15	26.8	8.5	17	5	27	11.5	12.5
	18	M26x1.5	18	31.8	8.5	18	5	32	11.5	13
	22	M30×2	22	35.8	9.5	20	7	36	13.5	14.5
	28	M36×2	28	40.8	10	21	7	41	14	15
	35	M45×2	35.3	49.8	12	24	8	50	16	17
	42	M52×2	42.3	59.6	12	24	8	60	16	17
S	6	M14×1.5	6	16.8	8.5	16.5	5	17	11	12.5
	8	M16×1.5	8	18.8	8.5	16.5	5	19	11	12.5
	10	M18×1.5	10	21.8	8.5	17.5	5	22	11	12.5
	12	M20×1.5	12	23.8	8.5	17.5	5	24	11	12.5
	16	M24×1.5	16	29.8	10.5	20.5	6	30	13	14.5
	20	M30x2	20	35.8	12	24	8	36	15.5	17
	25	M36×2	25	45.8	14	27	g	46	17	19
	30	M42×2	30	49.8	15	29	10	50	18	20
	38	M52×2	38.3	59.6	17	32.5	10	6o	19.5	22.5

Catalogue Of Tube Nut



NLL/NL/NS

Tube Nut/Union Nut REF: ISO 8434-1/ DIN 3861

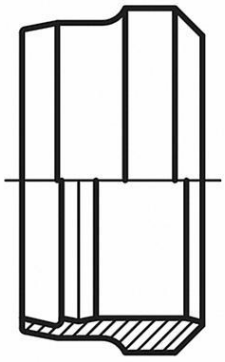
PART NO.	THERAD E	DIMENSIONS			Cross reference		Weight g/1 piece	Min. tube wall thickness	Final assembly [Nm] or 30°
		d	C	S2	Parker PN	ISO 8434-1			
LL SERIE									
NLL-08	M8×1	4	11	10	M04LL	N04LM8	4		
NLL-10	M10×1	6	11.5	12	M06LL	N06LM10	6		
NLL-12	M12×1	8	12	14	M08LL	N08LM12	7		
NLL-14	M14×1	10	12.5	17	M10LL	N10LM14	11		
NLL-16	M16×1	12	13	19	M12LL	N12LM16	13		
L SERIE									
NL-12	M12X1.5	6	14.5	14	M06L	N06LM12	10	6x1	25
NL-14	M14X1.5	8	14.5	17	M08L	N08LM14	15	8x1	40-45
NL-16	M16X1.5	10	15.5	19	M10L	N10LM16	18	10x1	50-55
NL-18	M18X1.5	12	15.5	22	M12L	N12LM18	25	12x1.5	70-80
NL-22	M22X1.5	15	17	27	M15L	N15LM22	42	15x1.5	90-100
NL-26	M26X1.5	18	18	32	M18L	N18LM26	62	18x1.5	115-150
NL-30	M30X2	22	20	36	M22L	N22LM30	82	22x2	200-210
NL-36	M36X2	28	21	41	M28L	N28LM36	89	28x2	250-310
NL-45	M45X2	35	24	50	M35L	N35LM45	137	35x3	400-500
NL-52	M52X2	42	24	60	M42L	N42LM52	216	42x3	500-600
S SERIE									
NS-14	M14X1.5	6	16.5	17	M06S	N06SM14	17	6x2	35-45
NS-16	M16X1.5	8	16.5	19	M08S	N08SM16	20	8x1.5	55-60
NS-18	M18X1.5	10	17.5	22	M10S	N10SM18	31	10x1.5	70-80
NS-20	M20X1.5	12	17.5	24	M12S	N12SM20	34	12x1.5	85-100
NS-22	M22X1.5	14	20.5	27	M14S	N14SM22	53	14x2	110-135
NS-24	M24X1.5	16	20.5	30	M16S	N16SM24	66	16x1.5	120-150
NS-30	M30X2	20	24	36	M20S	N20SM30	102	20x2	200-250
NS-36	M36X2	25	27	46	M25S	N25SM36	202	25x2.5	340-400
NS-42	M42X2	30	29	50	M30S	N30SM42	219	30x3	480-500
NS-52	M52X2	38	32.5	60	M38S	N38SM52	339	38x4	600-850

NOTE: If order stainless steel please add SS after part no, ie NL-06SS.

CUTTING RING DIN 3861 FOR DIN 2353/ISO 8434-1 FITTINGS

Cutting Ring/Compression Ring / Ferrule





Industry Standard:

DIN 3861 / ISO 8434-1

Design Type:

Double Edge

Material:

Carbon Steel/Stainless Steel

Finish:

Zinc Plated/Phosphate

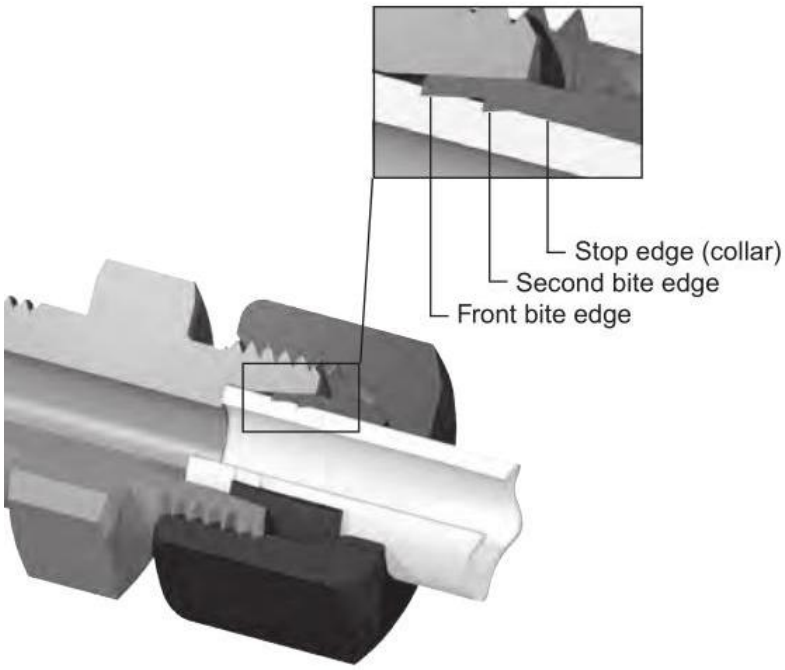
FITSCH

Cutting Ring Introduction

Cutting ring is critical part of non-soldering compression fitting, it is from Ermeto Original (EO)design.It has different symbols such as ISO “CR”, Parker “D/PSR/DPR/”, Eaton Winner”RL/RS”, it is also called “ferrule and compression ring”.

Assembly Of Cutting Ring

On the assembly, the front and second (two)edge cutting(double bite) the designed depth into the tube, limited by the stop edge(collar), the force is from turning the nut.



Standards Of Cutting Rings

It meet DIN 3861, DIN 2353 and ISO 8434-1 standard.

Design of Cutting Rings

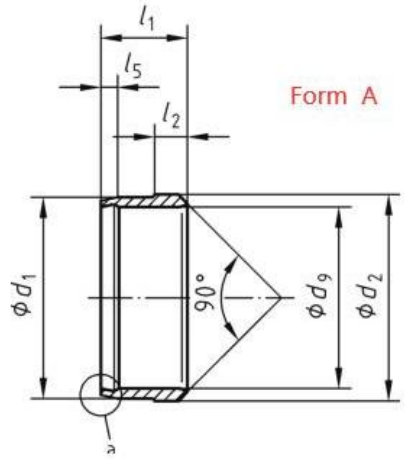
Double edge design(Form B) of cuttings ring is double bite stronger and features a “positive stop” to eliminate over-tightening.

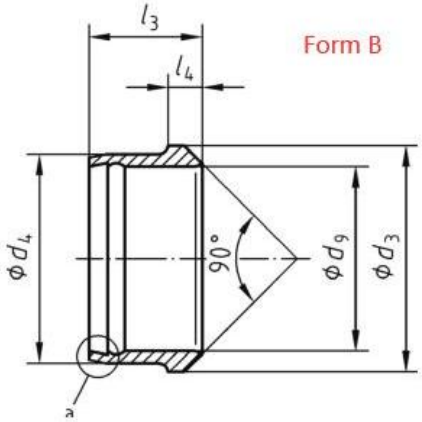
Material types of cutting ring is C35/45, with HRC 38-45; Stainless steel is 316L with HRC 38-45.

We also offer cutting ring form A and F with soft seal.It is precision machined, heat treated in in a manner that provides the hardness, strength and toughness.

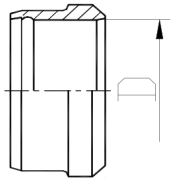
CUTTING RING DIN 3861 FOR DIN 2353/ISO 8434-1 FITTINGS

Dimensions of Cutting Rings from DIN 3861





Series	TUBE O.D	Form A and B PN in bar	Form A d1 max.	Form A d2 ±0.2	Form B d3 max.	Form B d4 max.	Form A und B d9 B11 +/-0.1		Form A l1 +/-0.5	Form A l2 min.	Form B l3 max.	Form B l4 min.	Form A l5 min.
LL	4	100	5.1	5.5			4		6	2			
	5		6.6	7			5		7	2.5			
	6		7.6	8			6		7	2.5			
	8		9.6	10			8		7	2.5			
	16		17.8	19			16		9	3			
L	6		Cutting ring is the same S series sizes										0.5
	8												
	10												
	12												
	15		17.4	18	20	18	15		10	3.5	12	3.5	
	18	160	20.4	21	24	21	18		10	3.5	12.5”	3.5	
	22		24.4	25	27	25	22		10.5	3.5	13.5	3.5	
	28	100	30.4	31	33	31	28		10.5	3.5	13.51	3.5	
	35		38.1	40	42	38.5		35.3	13	5	15.5	5	
	42		45.1	47	49	45.5		42.35	13.5	5	15.5	5	
S	6	630	8.2	9	10	8.5	6		9	3	11.5	3	0.5
	8		10.2	11	12	10.5	8		9	3	11.5	3	
	10		12.4	13	14	13	10		10	3	12	3	
	12		14.4	15	16	15	12		10	3	12	3	
	14		16.4	17	20	17	14		10	3.5	12	3.5	
	16	400	18.4	19	22	19	16		10.5	3.5	12	3.5	
	20		23	24	27	23.5	20		12.5	4	15.5	4	
	25		28	29	33	28.5	25		12.5	4	15.5	4	
	30	250	33.1	35	39	33.5	30		13	5	16	5	
	38		41.1	43	49	42		38.3	13.5	5	16	5	



RLL/RL/RS

CUTTING RING/ COMPRESSION RING REF: ISO 8434-1/ DIN 3861

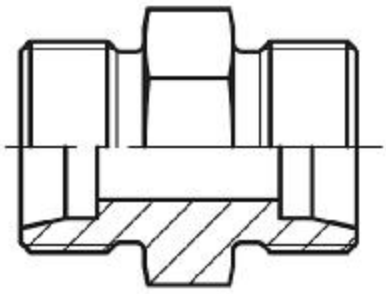
Double Edge Type, interchangeable into Parker PSR

PART NO.	THERAD	TUBE O.D.	CROSS REFERENCE		Weight g/1 piece
			Parker PN	ISO 8434-1	
LL SERIES					
RLL-08	M8×1	4	PSR04LLX	CR04LL	0.3
RLL-10	M10×1	6	PSR06LLX	CR06LL	0.8
RLL-12	M12×1	8	PSR08LL	CR08LL	1
RLL-14	M14×1	10	PSR10LLX	CR10LL	1.3
RLL-16	M16×1	12	PSR12LLX	CR12LL	1.6
L SERIES					
RL-06	M12X1.5	6	PSR06LX	CR06L	1.7
RL-08	M14X1.5	8	PSR08LX	CR08L	2.2
RL-10	M16X1.5	10	PSR10LX	CR10L	3.1
RL-12	M18X1.5	12	PSR12LX	CR12L	3.5
RL-15	M22X1.5	15	PSR15LX	CR15L	4.5
RL-18	M26X1.5	18	PSR18LX	CR18L	5.5
RL-22	M30X2	22	PSR22LX	CR22L	7.3
RL-28	M36X2	28	PSR28LX	CR28L	9.4
RL-35	M45X2	35	PSR35LX	CR35L	20
RL-42	M52X2	42	PSR42LX	CR42L	23
S SERIES					
RS-06	M14X1.5	6	PSR06SX	CR06S	1.7
RS-08	M16X1.5	8	PSR08SX	CR08S	3.2
RS-10	M18X1.5	10	PSR10SX	CR10S	3.1
RS-12	M20X1.5	12	PSR12SX	CR12S	3.5
RS-14	M22X1.5	14	PSR14SX	CR14S	3.9
RS-16	M24X1.5	16	PSR16SX	CR16S	5.6
RS-20	M30X2	20	PSR20SX	CR20S	11.4
RS-25	M36X2	25	PSR25SX	CR25S	13.3
RS-30	M42X2	30	PSR30SX	CR30S	19.3
RS-38	M52X2	38	PSR38SX	CR38S	22.5

NOTE: If order stainless steel please add SS after part no, ie RL-06SS.

DIN Tube Fitting/Union Connector/Tube to Tube





Industry Standard:

DIN 2353 / ISO 8434-1

Design Type:

24 degree cone connector

Material:

Carbon Steel/Stainless Steel

Finish:

Zinc Plated/ZnNi Alloy

Body Type:

Straight(S),Elbow(E),Tee(T),Cross(K)

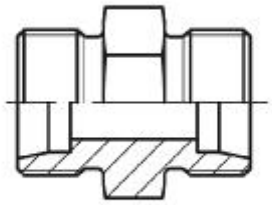
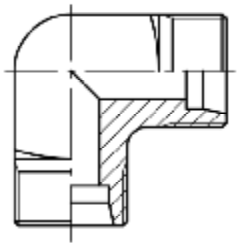
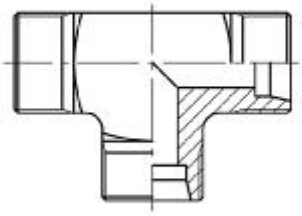
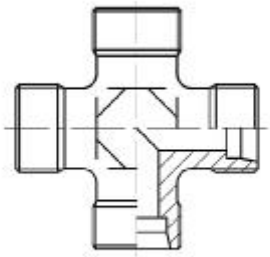
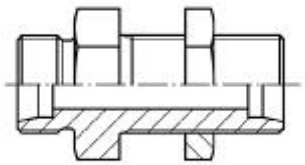
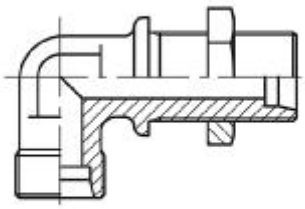
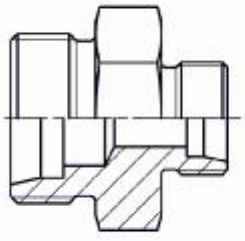
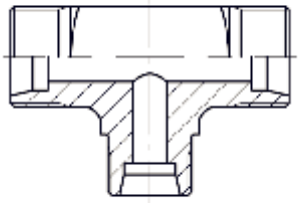
FITSCH

DIN Tube Fittings Introduction

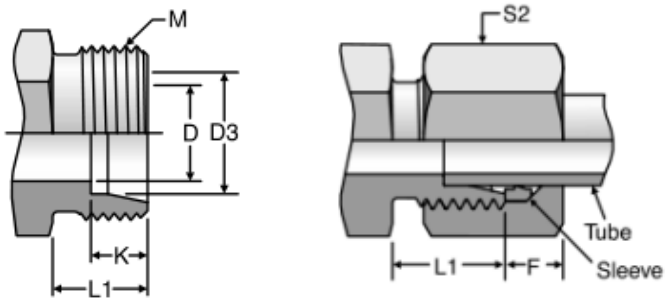
The origin of DIN tube fitting is from Germany Ermeto in 1930's, DIN is Deutschen Instituts für Normung, later International Standard Organization(ISO) edit the ISO 8434-1 with the design of 24 degree cone connectors, is equal to part of DIN 2353 standards. It is also called "cutting ring fittings", "flareless bite type fittings" and "Ermeto EO fittings"

Overview shapes Of DIN Tube Fittings

Tube to tube connector is made of these shapes, from hex bar or forging body as follows:

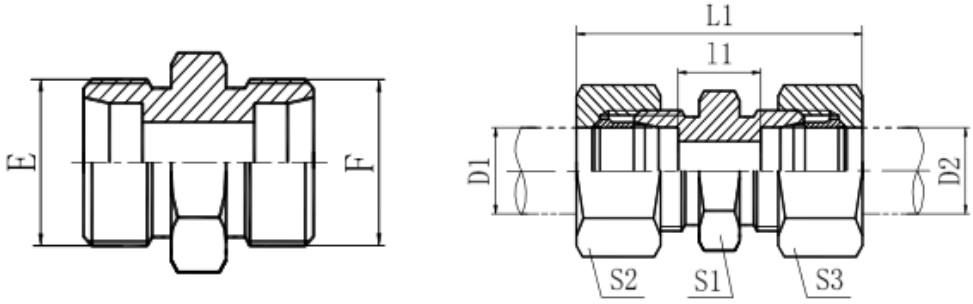
Straight **(S-G-1C)** 	**Elbow** **(E-W-1C9)** 	**Tee** **(T-AC)** 
Cross **(K-XC)** 	**Bulkhead Straight** **(BHS-SV-6C)** 	**Bulkhead Elbow** **(BHE-WSV-6C9)** 
Straight **Reducer(GR-1C)** 	**Tee Reducer** **(TR-AC)** 	

Dimensions of DIN 3871/DIN 2353/ISO 8434-1 for 24 degree tube cone ends



Size	End Size	Thread	Drill	Tube Nut Assembled Allowance	Tube Depth	Male Turn Back	Tube/Swivel Nut Hex
	D3 (mm)	M Metric	D (mm)	F (mm)	k (mm)	L1 (mm)	S2 (mm)
4LL	4	M8x1	3	5.5	4.2	8	10
6LL	6	M10x1	4.5	6	5.7	8	12
8LL	8	M12x1	6	6	5.7	g	14
10LL	10	M14x1	8	6	5.7	9	17
12LL	12	M16x1	10	6	6.2	g	19
6L	6	M12x1.5	4	8	7.2	10	14
8L	8	M14x1.5	6	8	7.2	10	17
10L	10	M16x1.5	8	8	7.2	11	19
12L	12	M18x1.5	10	8	7.2	11	22
15L	15	M22x1.5	12	8	7.2	12	27
18L	18	M26x1.5	15	8	7.7	12	32
22L	22	M30x2	19	8	7.7	14	36
28L	28	M36x2	24	9	7.7	14	41
35L	35	M45x2	30	11	10.7	16	50
42L	42	M52x2	36	12	11.2	16	60
6S	6	M14x1.5	4	8	7.2	12	17
8S	8	M16x1.5	5	8	7.2	12	19
10s	10	M18x1.5	7	g	7.7	12	22
12S	12	M20x1.5	9	g	7.7	12	24
14S	14	M22x1.5	10	10	8.2	14	27
16S	16	M24x1.5	12	10	8.7	14	30
20S	20	M30x2	16	11	10.7	16	36
25S	25	M36x2	20	12	12.2	18	46
30S	30	M42x2	25	13	13.7	20	50
38S	38	M52x2	32	15	16.2	22	60

1C/1D Dimension sheet of Straight Union Connector

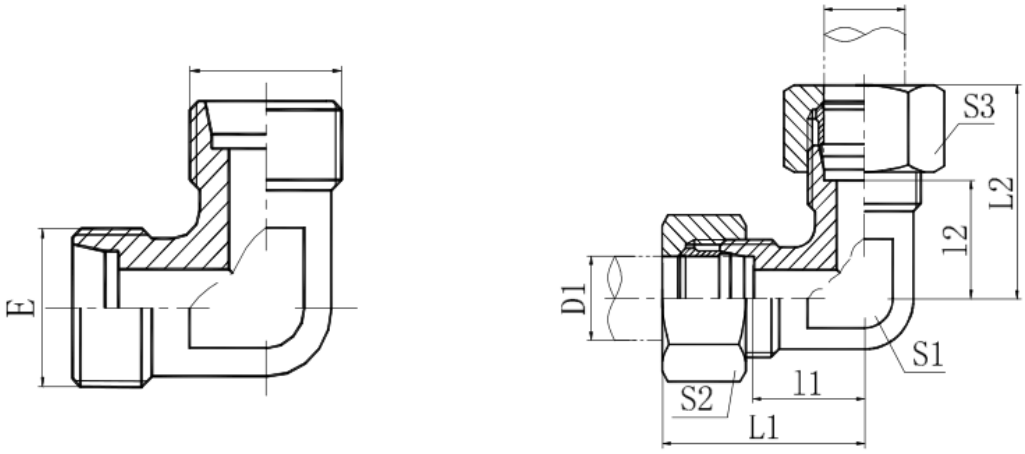


REF: ISO 8434-1/ DIN 3861/DIN 2353; Interchangeable into Parker G series

PART NO.		THREAD		TUBE O.D.		DIMENSIONS					Weight	CROSS REFERENCE	
BODY	ASSEMBLY	E	F	D1	D2	I1	L1	S1	S2	S3	g/1pc	PARKER PN	ISO 8434-1
L SERIES													
1C-12	1C-12RN	M12X1.5	M12X1.5	6	6	10	39	12	14	14	12	G06L	S-L6*M12
1C-14	1C-14RN	M14X1.5	M14X1.5	8	8	11	40	14	17	17	16	G08L	S-L8*M14
1C-16	1C-16RN	M16X1.5	M16X1.5	10	10	13	42	17	19	19	23	G10L	S-L10*M16
1C-18	1C-18RN	M18X1.5	M18X1.5	12	12	14	43	19	22	22	28	G12L	S-L12*M18
1C-22	1C-22RN	M22X1.5	M22X1.5	15	15	16	46	24	27	27	51	G15L	S-L15*M22
1C-26	1C-26RN	M26X1.5	M26X1.5	18	18	16	48	27	32	32	69	G18L	S-L18*M26
1C-30	1C-30RN	M30X2	M30X2	22	22	20	52	32	36	36	90	G22L	S-L22*M30
1C-36	1C-36RN	M36X2	M36X2	28	28	21	54	41	41	41	137	G28L	S-L28*M36
1C-45	1C-45RN	M45X2	M45X2	35	35	20	63	46	50	50	214	G35L	S-L35*M45
1C-52	1C-52RN	M52X2	M52X2	42	42	21	66	55	60	60	296	G42L	S-L42*M52
S SERIES													
1D-14	1D-14RN	M14X1.5	M14X1.5	6	6	16	45	14	17	17	26	G06S	S-S6*M14
1D-16	1D-16RN	M16X1.5	M16X1.5	8	8	18	47	17	19	19	37	G08S	S-S8*M16
1D-18	1D-18RN	M18X1.5	M18X1.5	10	10	17	49	19	22	22	44	G10S	S-S10*M18
1D-20	1D-20RN	M20X1.5	M20X1.5	12	12	19	51	22	24	24	60	G12S	S-S12*M20
1D-22	1D-22RN	M22X1.5	M22X1.5	14	14	22	57	24	27	27	77	G14S	S-S14*M22
1D-24	1D-24RN	M24X1.5	M24X1.5	16	16	21	57	27	30	30	90	G16S	S-S16*M24
1D-30	1D-30RN	M30X2	M30X2	20	20	23	66	32	36	36	143	G20S	S-S20*M30
1D-36	1D-36RN	M36X2	M36X2	25	25	26	74	41	46	46	251	G25S	S-S25*M36
1D-42	1D-42RN	M42X2	M42X2	30	30	27	80	46	50	50	330	G30S	S-S30*M42
1D-52	1D-52RN	M52X2	M52X2	38	38	29	90	55	60	60	545	G38S	S-S38*M52

NOTE: If order stainless steel please add SS after part no, ie 1C-12SS.

1C9/1D9 Dimension sheet of 90 degree Elbow Union Connector

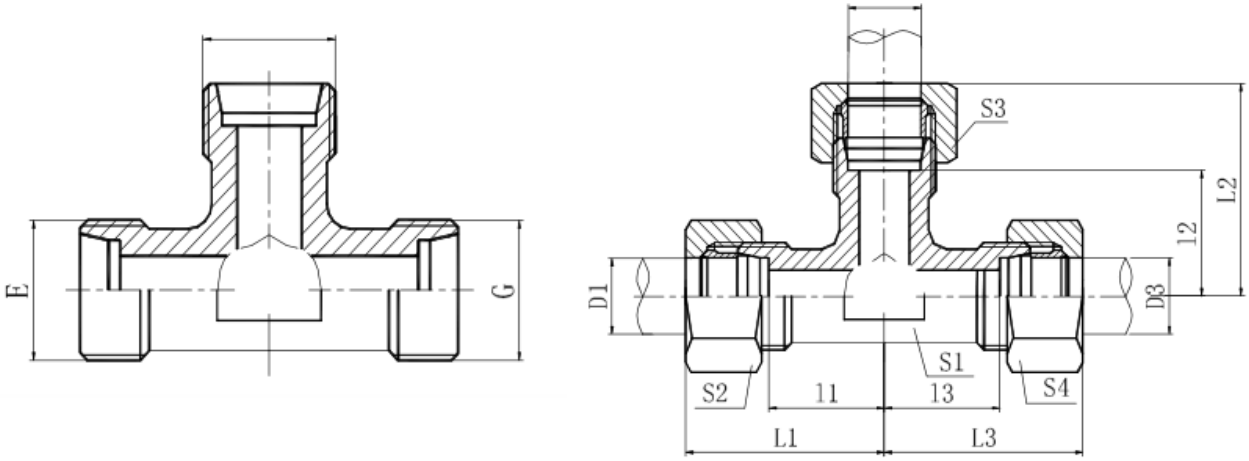


REF: ISO 8434-1/ DIN 3861/DIN 2353; Interchangeable into Parker W series

PART NO.		THREAD		TUBE O.D.		DIMENSIONS				Weight	CROSS REFERENCE	
BODY	ASSEMBLY	E	F	D1	D2	l1,l2	L1,L2	S1	S2,S3	g/1pc	PARKER PN	ISO 8434-1
L SERIES												
1C9-12	1C9-12RN	M12X1.5	M12X1.5	6	6	12	27	12	14	29	W06L	E-L6*M12
1C9-14	1C9-14RN	M14X1.5	M14X1.5	8	8	14	29	12	17	43	W08L	E-L8*M14
1C9-16	1C9-16RN	M16X1.5	M16X1.5	10	10	15	30	14	19	54	W10L	E-L10*M16
1C9-18	1C9-18RN	M18X1.5	M18X1.5	12	12	17	32	17	22	80	W12L	E-L12*M18
1C9-22	1C9-22RN	M22X1.5	M22X1.5	15	15	21	36	19	27	81	W15L	E-L15*M22
1C9-26	1C9-26RN	M26X1.5	M26X1.5	18	18	23.5	40	24	32	140	W18L	E-L18*M26
1C9-30	1C9-30RN	M30X2	M30X2	22	22	27.5	44	27	36	178	W22L	E-L22*M30
1C9-36	1C9-36RN	M36X2	M36X2	28	28	30.5	47	36	41	340	W28L	E-L28*M36
1C9-45	1C9-45RN	M45X2	M45X2	35	35	34.5	56	41	50	458	W35L	E-L35*M45
1C9-52	1C9-52RN	M52X2	M52X2	42	42	40	63	50	60	776	W42L	E-L42*M52
S SERIES												
1D9-14	1D9-14RN	M14X1.5	M14X1.5	6	6	16	31	12	17	52	W06S	E-S6*M14
1D9-16	1D9-16RN	M16X1.5	M16X1.5	8	8	17	32	14	19	74	W08S	E-S8*M16
1D9-18	1D9-18RN	M18X1.5	M18X1.5	10	10	17.5	34	17	22	97	W10S	E-S10*M18
1D9-20	1D9-20RN	M20X1.5	M20X1.5	12	12	21.5	38	17	24	137	W12S	E-S12*M20
1D9-22	1D9-22RN	M22X1.5	M22X1.5	14	14	22	40	19	27	145	W14S	E-S14*M22
1D9-24	1D9-24RN	M24X1.5	M24X1.5	16	16	24.5	43	24	30	162	W16S	E-S16*M24
1D9-30	1D9-30RN	M30X2	M30X2	20	20	26.5	48	27	36	221	W20S	E-S20*M30
1D9-36	1D9-36RN	M36X2	M36X2	25	25	30	54	36	46	424	W25S	E-S25*M36
1D9-42	1D9-42RN	M42X2	M42X2	30	30	35.5	62	41	50	603	W30S	E-S30*M42
1D9-52	1D9-52RN	M52X2	M52X2	38	38	41	72	50	60	1010	W38S	E-S38*M52

NOTE: If order stainless steel please add SS after part no, ie 1C9-12SS.

AC/AD Dimension sheet of Tee Union Connector

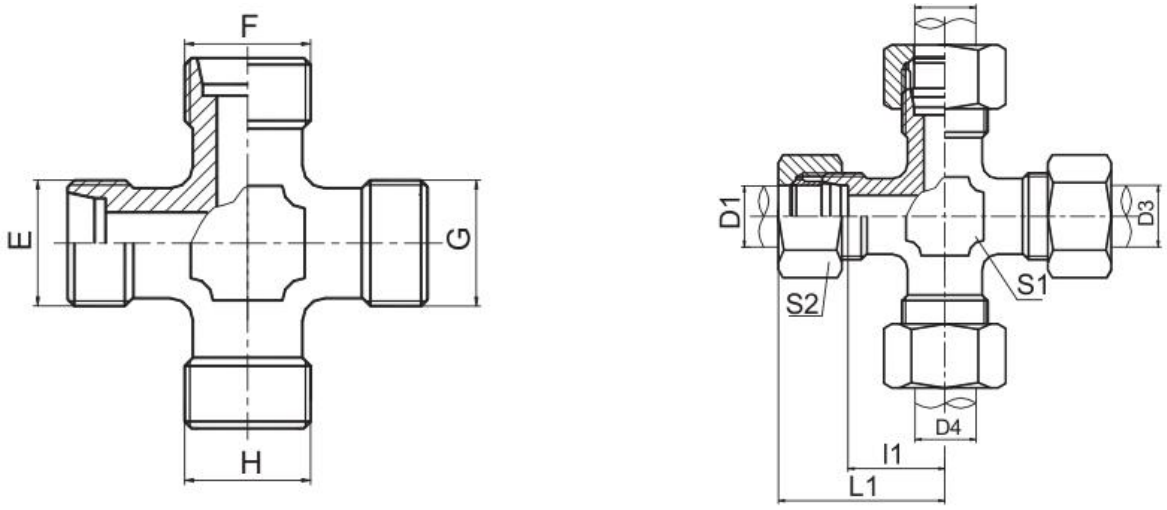


REF: ISO 8434-1/ DIN 3861/DIN 2353; Interchangeable into Parker T series

PART NO.		THREAD	TUBE O.D.	DIMENSIONS				Weight	CROSS REFERENCE	
BODY	ASSEMBLY	E ,F ,G	D1 , D2 ,D3	I1,I2,I3	L1,L2,L3	S1	S2,S3,S4	g/1pc	PARKER PN	ISO 8434-1
L SERIES										
AC-12	AC-12RN	M12X1.5	6	12	27	12	14	37	T06L	T-L6*M12
AC-14	AC-14RN	M14X1.5	8	14	29	12	17	53	T08L	T-L8*M14
AC-16	AC-16RN	M16X1.5	10	15	30	14	19	48	T10L	T-L10*M16
AC-18	AC-18RN	M18X1.5	12	17	32	17	22	65	T12L	T-L12*M18
AC-22	AC-22RN	M22X1.5	15	21	36	19	27	106	T15L	T-L15*M22
AC-26	AC-26RN	M26X1.5	18	23.5	40	24	32	179	T18L	T-L18*M26
AC-30	AC-30RN	M30X2	22	27.5	44	27	36	225	T22L	T-L22*M30
AC-36	AC-36RN	M36X2	28	30.5	47	36	41	396	T28L	T-L28*M36
AC-45	AC-45RN	M45X2	35	34.5	56	41	50	567	T35L	T-L35*M45
AC-52	AC-52RN	M52X2	42	40	63	50	60	905	T42L	T-L42*M52
S SERIES										
AD-14	AD-14RN	M14X1.5	6	16	31	12	17	68	T06S	T-S6*M14
AD-16	AD-16RN	M16X1.5	8	17	32	14	19	70	T08S	T-S8*M16
AD-18	AD-18RN	M18X1.5	10	17.5	34	17	22	91	T10S	T-S10*M18
AD-20	AD-20RN	M20X1.5	12	21.5	38	17	24	117	T12S	T-S12*M20
AD-22	AD-22RN	M22X1.5	14	22	40	19	27	136	T14S	T-S14*M22
AD-24	AD-24RN	M24X1.5	16	24.5	43	24	30	202	T16S	T-S16*M24
AD-30	AD-30RN	M30X2	20	26.5	48	27	36	289	T20S	T-S20*M30
AD-36	AD-36RN	M36X2	25	30	54	36	46	545	T25S	T-S25*M36
AD-42	AD-42RN	M42X2	30	35.5	62	41	50	758	T30S	T-S30*M42
AD-52	AD-52RN	M52X2	38	41	72	50	60	1264	T38S	T-S38*M52

NOTE: If order stainless steel please add SS after part no, ie AC-12SS.

XC/XD Dimension sheet of Cross Union Connector

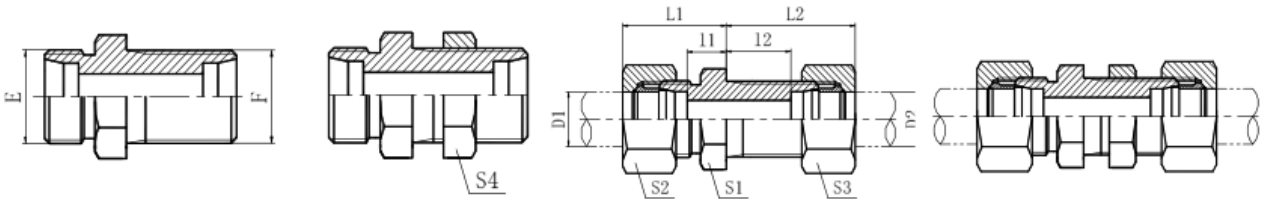


REF: ISO 8434-1/ DIN 3861/DIN 2353; Interchangeable into Parker K series

PART NO.		THREAD	TUBE O.D.	DIMENSIONS				Weight	CROSS REFERENCE	
BODY	ASSEMBLY	E,F,G,H	D1,D2,D3,D4	I1	L1	S1	S2	g/1pc	PARKER PN	ISO 8434-1
L SERIES										
XC-12	XC-12RN	M12X1.5	6	12	27	12	14	35	K06L	K-L6*M12
XC-14	XC-14RN	M14X1.5	8	14	29	12	17	40	K08L	K-L8*M14
XC-16	XC-16RN	M16X1.5	10	15	30	14	19	52	K10L	K-L10*M16
XC-18	XC-18RN	M18X1.5	12	17	32	17	22	69	K12L	K-L12*M18
XC-22	XC-22RN	M22X1.5	15	21	36	19	27	130	K15L	K-L15*M22
XC-26	XC-26RN	M26X1.5	18	23.5	40	24	32	188	K18L	K-L18*M26
XC-30	XC-30RN	M30X2	22	27.5	44	27	36	251	K22L	K-L22*M30
XC-36	XC-36RN	M36X2	28	30.5	47	36	41	392	K28L	K-L28*M36
XC-45	XC-45RN	M45X2	35	34.5	56	41	50	618	K35L	K-L35*M45
XC-52	XC-52RN	M52X2	42	40	63	50	60	905	K42L	K-L42*M52
S SERIES										
XD-14	XD-14RN	M14X1.5	6	16	31	12	17	58	K06S	K-S6*M14
XD-16	XD-16RN	M16X1.5	8	17	32	14	19	82	K08S	K-S8*M16
XD-18	XD-18RN	M18X1.5	10	17.5	34	17	22	97	K10S	K-S10*M18
XD-20	XD-20RN	M20X1.5	12	21.5	38	17	24	146	K12S	K-S12*M20
XD-22	XD-22RN	M22X1.5	14	22	40	19	27	176	K14S	K-S14*M22
XD-24	XD-24RN	M24X1.5	16	24.5	43	24	30	220	K16S	K-S16*M24
XD-30	XD-30RN	M30X2	20	26.5	48	27	36	339	K20S	K-S20*M30
XD-36	XD-36RN	M36X2	25	30	54	36	46	576	K25S	K-S25*M36
XD-42	XD-42RN	M42X2	30	35.5	62	41	50	843	K30S	K-S30*M42
XD-52	XD-52RN	M52X2	38	41	72	50	60	1350	K38S	K-S38*M52

NOTE: If order stainless steel please add SS after part no, ie XC-12SS.

6C/6D Dimension sheet of Straight Bulkhead Connector



6C **6C-LN** **6C-RN** **6C-LNRN**

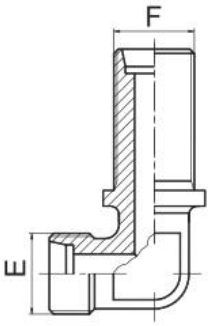
6D **6D-LN** **6D-RN** **6D-LNRN**

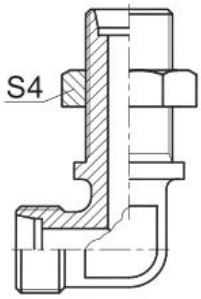
REF: ISO 8434-1/ DIN 3861/DIN 2353; Interchangeable into Parker SV series

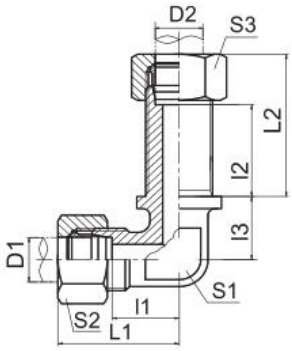
PART NO.			THREAD	TUBE O.D.	DIMENSIONS							Weight	CROSS REFERENCE	
BODY	ASSEMBLY	ASSEMBLY	E F	D1 D2	l1	l2	L1	L2	S1	S2,S3	S4	g/1 pc	PARKER PN	ISO 8434-1
L SERIES														
6C-12	6C-12LN	6C-12LNRN	M12X1.5	6	7	27	22	42	17	14	17	39	SV06LOMD	BHS-L6*M12
6C-14	6C-14LN	6C-14LNRN	M14X1.5	8	8	27	23	42	19	17	19	50	SV08LOMD	BHS-L8*M14
6C-16	6C-16LN	6C-16LNRN	M16X1.5	10	10	28	25	43	22	19	22	67	SV10LOMD	BHS-L10*M16
6C-18	6C-18LN	6C-18LNRN	M18X1.5	12	10	29	25	44	24	22	24	78	SV12LOMD	BHS-L12*M18
6C-22	6C-22LN	6C-22LNRN	M22X1.5	15	12	31	27	46	27	27	30	128	SV15LOMD	BHS-L15*M22
6C-26	6C-26LN	6C-26LNRN	M26X1.5	18	13.5	32.5	30	49	32	32	36	198	SV18LOMD	BHS-L18*M26
6C-30	6C-30LN	6C-30LNRN	M30X2	22	16.5	34.5	33	51	36	36	41	254	SV22LOMD	BHS-L22*M30
6C-36	6C-36LN	6C-36LNRN	M36X2	28	18.5	35.5	35	52	41	41	46	335	SV28LOMD	BHS-L28*M36
6C-45	6C-45LN	6C-45LNRN	M45X2	35	18.5	36.5	40	58	50	50	55	546	SV35LOMD	BHS-L35*M45
6C-52	6C-52LN	6C-52LNRN	M52X2	42	19	36	42	59	60	60	65	758	SV42LOMD	BHS-L42*M52
S SERIES														
6D-14	6D-14LN	6D-14LNRN	M14X1.5	6	12	29	27	44	19	17	19	65	SV06SOMD	BHS-S6*M14
6D-16	6D-16LN	6D-16LNRN	M16X1.5	8	13	29	28	44	22	19	22	87	SV08SOMD	BHS-S8*M16
6D-18	6D-18LN	6D-18LNRN	M18X1.5	10	14.5	29.5	31	46	24	22	24	112	SV10SOMD	BHS-S10*M18
6D-20	6D-20LN	6D-20LNRN	M20X1.5	12	14.5	30.5	31	47	27	24	27	141	SV12SOMD	BHS-S12*M20
6D-22	6D-22LN	6D-22LNRN	M22X1.5	14	17	32	35	50	30	27	30	180	SV14SOMD	BHS-S14*M22
6D-24	6D-24LN	6D-24LNRN	M24X1.5	16	16.5	31.5	35	50	32	30	32	201	SV16SOMD	BHS-S16*M24
6D-30	6D-30LN	6D-30LNRN	M30X2	20	17.5	33.5	39	55	41	36	41	462	SV20SOMD	BHS-S20*M30
6D-36	6D-36LN	6D-36LNRN	M36X2	25	20	35	44	59	46	46	46	492	SV25SOMD	BHS-S25*M36
6D-42	6D-42LN	6D-42LNRN	M42X2	30	21.5	37.5	48	64	50	50	50	631	SV30SOMD	BHS-S30*M42
6D-52	6D-52LN	6D-52LNRN	M52X2	38	22	37	53	68	65	60	65	1083	SV38SOMD	BHS-S38*M52

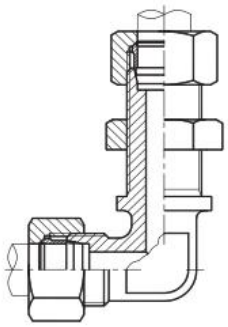
NOTE: If order stainless steel please add SS after part no, ie 6C-12SS.

6C9/6D9 Dimension sheet of Elbow Bulkhead Connector







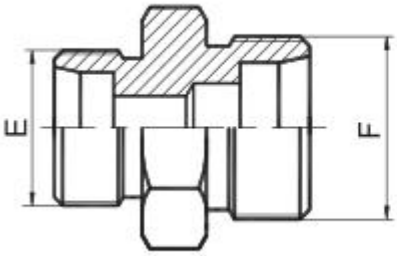


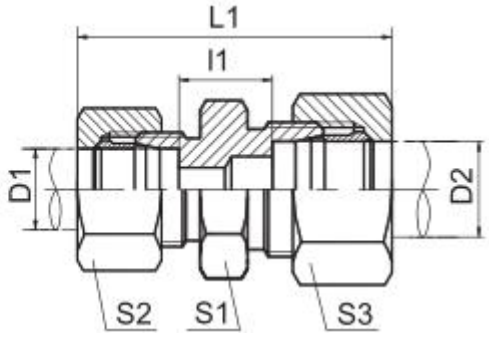
6C9 **6C9-LN** **6C9-RN** **6C9-LN/RN**
6D9 **6D9-LN** **6D9-RN** **6D9-LN/RN**

REF: ISO 8434-1/ DIN 3861/DIN 2353; Interchangeable into Parker SV series

PART NO.			THREAD	TUBE O.D.	DIMENSIONS								Weight	CROSS REFERENCE	
BODY	ASSEMBLY	ASSEMBLY	E F	D1 D2	I1	I2	I3	L1	L2	S1	S2,S3	S4	g/1pc	PARKER PN	ISO 8434-1
L SERIES															
6C9-12	6C9-12LN	6C9-12LNRN	M12X1.5	6	27	12	14	42	27	12	14	17	39	SV06LOMD	BHE-L6*M12
6C9-14	6C9-14LN	6C9-14LNRN	M14X1.5	8	27	14	17	42	29	12	17	19	50	SV08LOMD	BHE-L8*M14
6C9-16	6C9-16LN	6C9-16LNRN	M16X1.5	10	28	15	18	43	30	14	19	22	67	SV10LOMD	BHE-L10*M16
6C9-18	6C9-18LN	6C9-18LNRN	M18X1.5	12	29	17	20	44	32	17	22	24	78	SV12LOMD	BHE-L12*M18
6C9-22	6C9-22LN	6C9-22LNRN	M22X1.5	15	31	21	23	46	36	19	27	30	128	SV15LOMD	BHE-L15*M22
6C9-26	6C9-26LN	6C9-26LNRN	M26X1.5	18	32.5	23.5	24	49	40	24	32	36	198	SV18LOMD	BHE-L18*M26
6C9-30	6C9-30LN	6C9-30LNRN	M30X2	22	34.5	27.5	30	51	44	27	36	41	254	SV22LOMD	BHE-L22*M30
6C9-36	6C9-36LN	6C9-36LNRN	M36X2	28	35.5	30.5	34	52	47	36	41	46	335	SV28LOMD	BHE-L28*M36
6C9-45	6C9-45LN	6C9-45LNRN	M45X2	35	36.5	34.5	39	58	56	41	50	55	546	SV35LOMD	BHE-L35*M45
6C9-52	6C9-52LN	6C9-52LNRN	M52X2	42	36	40	43	59	63	50	60	65	758	SV42LOMD	BHE-L42*M52
S SERIES															
6D9-14	6D9-14LN	6D9-14LNRN	M14X1.5	6	29	16	17	44	31	12	17	19	65	SV06SOMD	BHE-S6*M14
6D9-16	6D9-16LN	6D9-16LNRN	M16X1.5	8	29	17	18	44	32	14	19	22	87	SV08SOMD	BHE-S8*M16
6D9-18	6D9-18LN	6D9-18LNRN	M18X1.5	10	29.5	17.5	20	46	34	17	22	24	112	SV10SOMD	BHE-S10*M18
6D9-20	6D9-20LN	6D9-20LNRN	M20X1.5	12	30.5	21.5	21	47	38	17	24	27	141	SV12SOMD	BHE-S12*M20
6D9-22	6D9-22LN	6D9-22LNRN	M22X1.5	14	32	22	23	50	40	19	27	30	180	SV14SOMD	BHE-S14*M22
6D9-24	6D9-24LN	6D9-24LNRN	M24X1.5	16	31.5	24.5	24	50	43	24	30	32	201	SV16SOMD	BHE-S16*M24
6D9-30	6D9-30LN	6D9-30LNRN	M30X2	20	33.5	26.5	30	55	48	27	36	41	462	SV20SOMD	BHE-S20*M30
6D9-36	6D9-36LN	6D9-36LNRN	M36X2	25	35	30	34	59	54	36	46	46	492	SV25SOMD	BHE-S25*M36
6D9-42	6D9-42LN	6D9-42LNRN	M42X2	30	37.5	35.5	39	64	62	41	50	50	631	SV30SOMD	BHE-S30*M42
6D9-52	6D9-52LN	6D9-52LNRN	M52X2	38	37	41	43	68	72	50	60	65	1083	SV38SOMD	BHE-S38*M52

1C/1D Dimension sheet of Straight Reducer Union Connector





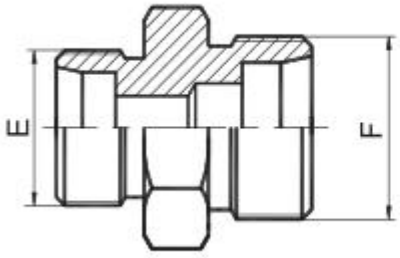
REF: ISO 8434-1/ DIN 3861/DIN 2353; Interchangeable into Parker GR series

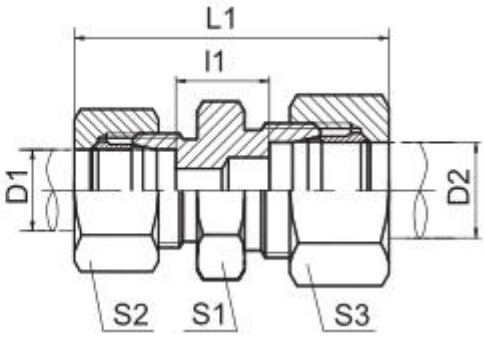
PART NO.		THREAD		TUBE O.D.		DIMENSIONS					Weight	CROSS REFERENCE
BODY	ASSEMBLY	E	F	D1	D2	L1	I1	S1	S2	S3	g/1pc	PARKER PN
L SERIES												
1C-12-14	1C-12-14RN	M12X1.5	M14X1.5	6	8	40	11	14	15	17	16	GR08/06L
1C-12-16	1C-12-16RN	M12X1.5	M16X1.5	6	10	41	12	17	15	19	21	GR10/06L
1C-12-18	1C-12-18RN	M12X1.5	M18X1.5	6	12	42	13	19	15	22	26	GR12/06L
1C-14-16	1C-14-16RN	M14X1.5	M16X1.5	8	10	41	13	17	17	19	21	GR10/08L
1C-14-18	1C-14-18RN	M14X1.5	M18X1.5	8	12	42	13	19	17	22	26	GR12/08L
1C-16-18	1C-16-18RN	M16X1.5	M18X1.5	10	12	43	14	19	19	22	29	GR12/10L
1C-16-22	1C-16-22RN	M16X1.5	M22X1.5	10	15	44.5	15	24	19	27	46	GR15/10L
1C-16-26	1C-16-26RN	M16X1.5	M26X1.5	10	18	46	15.5	27	19	32	65	GR18/10L
1C-18-22	1C-18-22RN	M18X1.5	M22X1.5	12	15	44.5	15	24	22	27	45	GR15/12L
1C-18-26	1C-18-26RN	M18X1.5	M26X1.5	12	18	46	15.5	27	22	32	64	GR18/12L
1C-18-30	1C-18-30RN	M18X1.5	M30X2	12	22	48	17.5	32	22	36	80	GR22/12L
1C-22-26	1C-22-26RN	M22X1.5	M26X1.5	15	18	47.5	16.5	27	27	32	65	GR18/15L
1C-22-30	1C-22-30RN	M22X1.5	M30X2	15	22	49.5	18.5	32	27	36	89	GR22/15L
1C-26-30	1C-26-30RN	M26X1.5	M30X2	18	22	50	18	32	32	36	89	GR22/18L
1C-26-36	1C-26-36RN	M26X1.5	M36X2	18	28	51.5	19	41	32	41	142	GR28/18L
1C-30-36	1C-30-36RN	M30X2	M36X2	22	28	53.5	21	41	36	41	139	GR28/22L
1C-30-45	1C-30-45RN	M30X2	M45X2	22	35	58.5	21	46	36	50	202	GR35/22L
1C-36-45	1C-36-45RN	M36X2	M45X2	28	35	59	21	46	41	50	206	GR35/28L

DIN HYDRAULIC FITTINGS

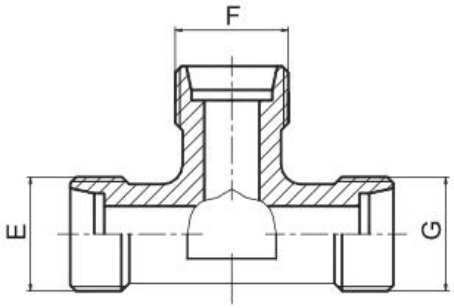
DIN 2353/ISO 8434-1 UNION

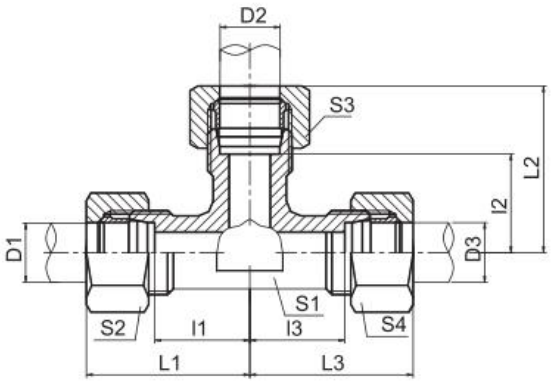
S SERIES												
1D-14-16	1D-14-16RN	M14X1.5	M16X1.5	6	8	47	18	17	17	19	35	GR08/06S
1D-14-18	1D-14-18RN	M14X1.5	M18X1.5	6	10	48	17.5	19	17	22	41	GR10/06S
1D-14-20	1D-14-20RN	M14X1.5	M20X1.5	6	12	50	19.5	22	17	24	56	GR12/06S
1D-16-18	1D-16-18RN	M16X1.5	M18X1.5	8	10	48	17.5	19	19	22	42	GR10/08S
1D-16-20	1D-16-20RN	M16X1.5	M20X1.5	8	12	50	19.5	22	19	24	57	GR12/08S
1D-18-20	1D-18-20RN	M18X1.5	M20X1.5	10	12	51	19	22	22	24	59	GR12/10S
1D-18-22	1D-18-22RN	M18X1.5	M22X1.5	10	14	54	20.5	24	22	27	70	GR14/10S
1D-18-30	1D-18-30RN	M18X1.5	M30X2	10	20	59.5	22	32	22	36	129	GR20/10S
1D-20-22	1D-20-22RN	M20X1.5	M22X1.5	12	14	54	20.5	24	24	27	72	GR14/12S
1D-20-24	1D-20-24RN	M20X1.5	M24X1.5	12	16	54	20	27	24	30	87	GR16/12S
1D-20-30	1D-20-30RN	M20X1.5	M30X2	12	20	59.5	22	32	24	36	131	GR20/12S
1D-22-24	1D-22-24RN	M22X1.5	M24X1.5	14	16	57	21.5	27	27	30	79	GR16/14S
1D-24-30	1D-24-30RN	M24X1.5	M30X2	16	20	62.5	23	32	30	36	134	GR20/16S
1D-24-36	1D-24-36RN	M24X1.5	M36X2	16	25	67.5	25.5	41	30	46	236	GR25/16S
1D-30-36	1D-30-36RN	M30X2	M36X2	20	25	71	25.5	41	36	46	235	GR25/20S
1D-30-42	1D-30-42RN	M30X2	M42X2	20	30	74	26	46	36	50	299	GR30/20S
1D-36-42	1D-36-42RN	M36X2	M42X2	25	30	77	26.5	46	46	50	317	GR30/25S
1D-42-52	1D-42-52RN	M42X2	M52X2	30	38	86.5	28.5	55	50	60	522	GR38/30S
BODY	ASSEMBLY	E	F	D1	D2	L1	l1	S1	S2	S3	g/1pc	PARKER PN





AC Dimension sheet of Tee Reducer Union Connector





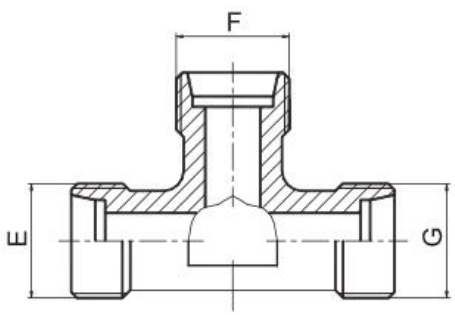
PART NO.		THREAD			TUBE O.D.			DIMENSIONS										Weight	CROSS REFERENCE
BODY	ASSEMBLY	E	F	G	D1	D2	D3	I1	I2	I3	L1	L2	L3	S1	S2	S3	S4	g/1pc	PARKER PN
							L SERIES												
-12-14-12	AC-12-14-12RN	M12X1.5	M14X1.5	M12X1.5	6	8	6	14	14	14	29	29	29	14	14	17	14	54	TR06/08/06
-12-16-12	AC-12-16-12RN	M12X1.5	M16X1.5	M12X1.5	6	10	6	15	15	15	30	30	30	14	14	19	14	53	TR06/10/06
-14-12-14	AC-14-12-14RN	M14X1.5	M12X1.5	M14X1.5	8	6	8	14	14	14	29	29	29	14	17	14	17	53	TR08/06/08
-14-14-18	AC-14-14-18RN	M14X1.5	M14X1.5	M18X1.5	8	8	12	17	17	17	32	32	32	17	17	17	22	49	TR10/10/06
-14-16-14	AC-14-16-14RN	M14X1.5	M16X1.5	M14X1.5	8	10	8	15	15	15	30	30	30	14	17	19	17	50	TR08/10/08
-14-18-14	AC-14-18-14RN	M14X1.5	M18X1.5	M14X1.5	8	12	8	17	17	17	32	32	32	17	17	22	17	67	TR08/12/08
-16-12-16	AC-16-12-16RN	M16X1.5	M12X1.5	M16X1.5	10	6	10	15	15	15	30	30	30	14	19	14	19	46	TR10/06/10
-16-14-16	AC-16-14-16RN	M16X1.5	M14X1.5	M16X1.5	10	8	10	15	15	15	30	30	30	14	19	17	19	43	TR10/08/10
-16-16-18	AC-16-16-18RN	M16X1.5	M16X1.5	M18X1.5	10	10	12	17	17	17	32	32	32	17	19	19	22	67	TR12/10/10
-16-16-26	AC-16-16-26RN	M16X1.5	M16X1.5	M26X1.5	10	10	18	24	24	24	39	39	40	24	19	19	32	173	TR18/10/10
-16-18-18	AC-16-18-18RN	M16X1.5	M18X1.5	M18X1.5	10	12	12	17	17	17	32	32	32	17	19	22	22	64	TR12/12/10
-16-22-16	AC-16-22-16RN	M16X1.5	M22X1.5	M16X1.5	10	15	10	21	21	21	36	36	36	19	19	27	19	105	TR10/15/10
-16-26-26	AC-16-26-26RN	M16X1.5	M26X1.5	M26X1.5	10	18	18	24	24	24	39	40	40	24	19	32	32	171	TR18/18/10
-18-12-18	AC-18-12-18RN	M18X1.5	M12X1.5	M18X1.5	12	6	12	17	17	17	32	32	32	17	22	14	22	66	TR12/06/12
-18-14-18	AC-18-14-18RN	M18X1.5	M14X1.5	M18X1.5	12	8	12	17	17	17	32	32	32	17	22	17	22	68	TR12/08/12
-18-16-18	AC-18-16-18RN	M18X1.5	M16X1.5	M18X1.5	12	10	12	17	17	17	32	32	32	17	22	19	22	67	TR12/10/12
-18-18-22	AC-18-18-22RN	M18X1.5	M18X1.5	M22X1.5	12	12	15	21	21	21	36	36	36	19	22	22	27	101	TR15/12/12

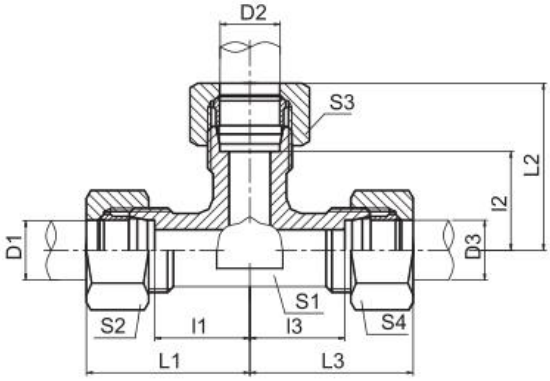
DIN HYDRAULIC FITTINGS

DIN 2353/ISO 8434-1 UNION

·18-22-18	AC-18-22-18RN	M18X1.5	M22X1.5	M18X1.5	12	15	12	21	21	21	36	36	36	19	22	27	22	102	TR12/15/12
·18-22-22	AC-18-22-22RN	M18X1.5	M22X1.5	M22X1.5	12	15	15	21	21	21	36	36	36	19	22	27	27	103	TR15/15/12
·22-12-22	AC-22-12-22RN	M22X1.5	M12X1.5	M22X1.5	15	6	15	21	21	21	36	36	36	19	27	14	27	107	TR15/06/15
·22-16-22	AC-22-16-22RN	M22X1.5	M16X1.5	M22X1.5	15	10	15	21	21	21	36	36	36	19	27	19	27	105	TR15/10/15
·22-18-22	AC-22-18-22RN	M22X1.5	M18X1.5	M22X1.5	15	12	15	21	21	21	36	36	36	19	27	22	27	105	TR15/12/15
·22-22-30	AC-22-22-30RN	M22X1.5	M22X1.5	M30X2	15	15	22	28	28	28	43	43	44	27	27	27	36	240	TR22/15/15
·26-16-26	AC-26-16-26RN	M26X1.5	M16X1.5	M26X1.5	18	10	18	23.5	24	23.5	40	39	40	24	32	19	32	182	TR18/10/18
·26-18-26	AC-26-18-26RN	M26X1.5	M18X1.5	M26X1.5	18	12	18	23.5	24	23.5	40	39	40	24	32	22	32	174	TR18/12/18
·26-22-26	AC-26-22-26RN	M26X1.5	M22X1.5	M26X1.5	18	15	18	24	24	24	40	39	40	24	32	27	32	179	TR18/15/18
·26-26-30	AC-26-26-30RN	M26X1.5	M26X1.5	M30X2	18	18	22	27.5	27.5	27.5	44	44	44	27	32	32	36	236	TR22/18/18
·26-30-30	AC-26-30-30RN	M26X1.5	M30X2	M30X2	18	22	22	27.5	27.5	27.5	44	44	44	27	32	36	36	228	TR22/22/18
·30-16-30	AC-30-16-30RN	M30X2	M16X1.5	M30X2	22	10	22	27.5	28	27.5	44	43	44	27	36	19	36	232	TR22/10/22
·30-18-30	AC-30-18-30RN	M30X2	M18X1.5	M30X2	22	12	22	27.5	28	27.5	44	43	44	27	36	22	36	229	TR22/12/22
·30-22-30	AC-30-22-30RN	M30X2	M22X1.5	M30X2	22	15	22	27.5	28	27.5	44	43	44	27	36	27	36	233	TR22/15/22
·30-26-30	AC-30-26-30RN	M30X2	M26X1.5	M30X2	22	18	22	27.5	27.5	27.5	44	44	44	27	36	32	36	239	TR22/18/22
·30-30-36	AC-30-30-36RN	M30X2	M30X2	M36X2	22	22	28	30.5	30.5	30.5	47	47	47	36	36	36	41	412	TR28/22/22
·36-16-36	AC-36-16-36RN	M36X2	M16X1.5	M36X2	28	10	28	30.5	31	30.5	47	46	47	36	41	19	41	412	TR28/10/28
·36-18-36	AC-36-18-36RN	M36X2	M18X1.5	M36X2	28	12	28	30.5	31	30.5	47	46	47	36	41	22	41	408	TR28/12/28
·36-22-36	AC-36-22-36RN	M36X2	M22X1.5	M36X2	28	15	28	30.5	31	30.5	47	46	47	36	41	27	41	423	TR28/15/28
·36-26-36	AC-36-26-36RN	M36X2	M26X1.5	M36X2	28	18	28	30.5	30.5	30.5	47	47	47	36	41	32	41	421	TR28/18/28
·36-30-36	AC-36-30-36RN	M36X2	M30X2	M36X2	28	22	28	30.5	30.5	30.5	47	47	47	36	41	36	41	415	TR28/22/28
BODY	ASSEMBLY	E	F	G	D1	D2	D3	l1	l2	l3	L1	L2	L3	S1	S2	S3	S4	g/1pc	PARKER PN

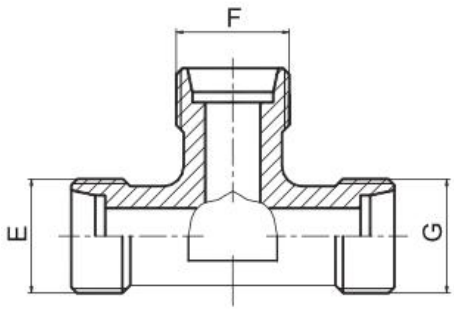
REF: ISO 8434-1/ DIN 3861/DIN 2353; Interchangeable into Parker TR series

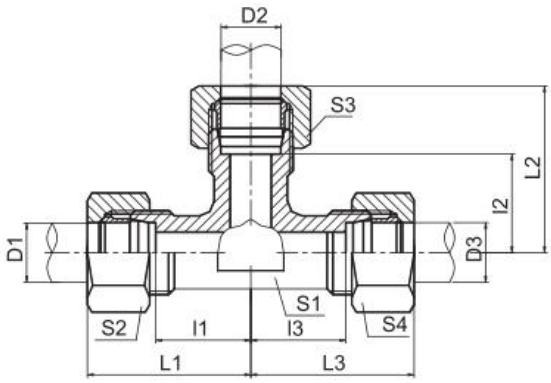




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AD Dimension sheet of Tee Reducer Union Connector



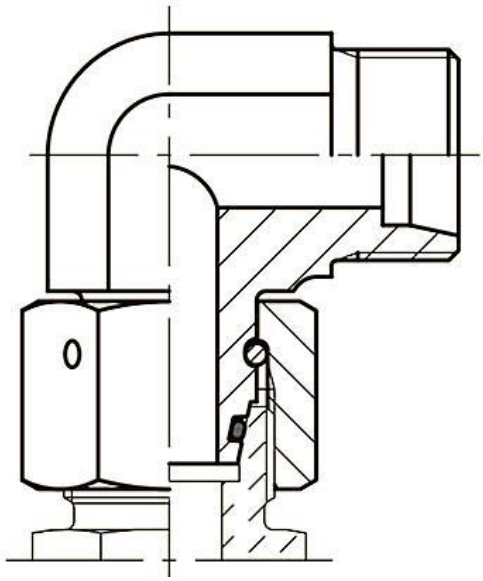


REF: ISO 8434-1/ DIN 3861/DIN 2353; Interchangeable into Parker TR series

PART NO.		THREAD			TUBE O.D.			DIMENSIONS										Weight	CROSS REFERENCE
BODY	ASSEMBLY	E	F	G	D1	D2	D3	I1	I2	I3	L1	L2	L3	S1	S2	S3	S4	g/1pc	PARKER PN
S SERIES																			
-16-16-20	AD-16-16-20RN	M16X1.5	M16X1.5	M20X1.5	8	8	12	22	22	22	37	37	38	17	19	19	24	107	TR12/08/08S
-18-14-18	AD-18-14-18RN	M18X1.5	M14X1.5	M18X1.5	10	6	10	17.5	18	17.5	34	33	34	17	22	17	22	103	TR10/06/10S
-20-16-20	AD-20-16-20RN	M20X1.5	M16X1.5	M20X1.5	12	8	12	21.5	22	21.5	38	37	38	17	24	19	24	105	TR12/08/12S
-20-18-20	AD-20-18-20RN	M20X1.5	M18X1.5	M20X1.5	12	10	12	21.5	21.5	21.5	38	38	38	17	24	22	24	114	TR12/10/12S
-20-24-20	AD-20-24-20RN	M20X1.5	M24X1.5	M20X1.5	12	16	12	25.5	24.5	25.5	42	43	42	24	24	30	24	190	TR12/16/12S
-24-14-24	AD-24-14-24RN	M24X1.5	M14X1.5	M24X1.5	16	6	16	24.5	26	24.5	43	41	43	24	30	17	30	176	TR16/06/16S
-24-16-24	AD-24-16-24RN	M24X1.5	M16X1.5	M24X1.5	16	8	16	24.5	26	24.5	43	41	43	24	30	19	30	208	TR16/08/16S
-24-18-24	AD-24-18-24RN	M24X1.5	M18X1.5	M24X1.5	16	10	16	24.5	25.5	24.5	43	42	43	24	30	22	30	210	TR16/10/16S
-24-20-24	AD-24-20-24RN	M24X1.5	M20X1.5	M24X1.5	16	12	16	24.5	25.5	24.5	43	42	43	24	30	24	30	386	TR16/12/16S
-24-30-24	AD-24-30-24RN	M24X1.5	M30X2	M24X1.5	16	20	16	28.5	26.5	28.5	47	48	47	27	30	36	30	296	TR16/20/16S
-30-18-30	AD-30-18-30RN	M30X2	M18X1.5	M30X2	20	10	20	26.5	29.5	26.5	48	46	48	27	36	22	36	553	TR20/10/20S
-30-20-30	AD-30-20-30RN	M30X2	M20X1.5	M30X2	20	12	20	26.5	29.5	26.5	48	46	48	27	36	24	36	306	TR20/12/20S
-30-24-30	AD-30-24-30RN	M30X2	M24X1.5	M30X2	20	16	20	26.5	28.5	26.5	48	47	48	27	36	30	36	285	TR20/16/20S
-30-36-30	AD-30-36-30RN	M30X2	M36X2	M30X2	20	25	20	31.5	30	31.5	53	54	53	36	36	46	36	544	TR20/25/20S
-36-24-36	AD-36-24-36RN	M36X2	M24X1.5	M36X2	25	16	25	30	33.5	30	54	52	54	36	46	30	46	556	TR25/16/25S
-36-30-36	AD-36-30-36RN	M36X2	M30X2	M36X2	25	20	25	30	31.5	30	54	53	54	36	46	36	46	544	TR25/20/25S
-36-42-36	AD-36-42-36RN	M36X2	M42X2	M36X2	25	30	25	37	35.5	37	61	62	61	41	46	50	46	791	TR25/30/25S

DIN Swivel Fitting/ DKO Swivel Connector





Industry Standard:

DIN 3865/ DIN 2353 / ISO 8434-4

Design Type:

DKO Swivel with O-ring SWO

Material:

Carbon Steel/Stainless Steel

Finish:

Zinc Plated/ZnNi Alloy

Body Type:

Straight(S),Elbow(E),Tee(T)

FITSCH

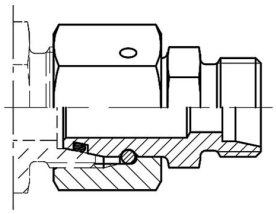
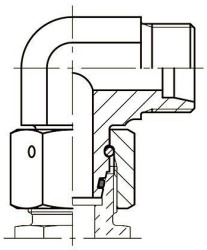
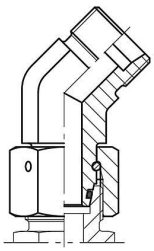
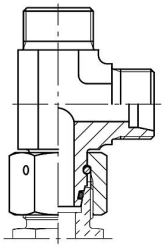
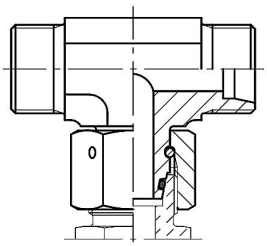
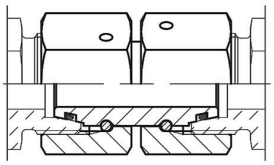
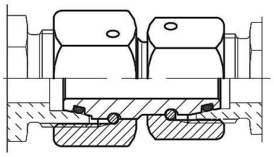
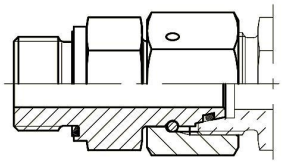
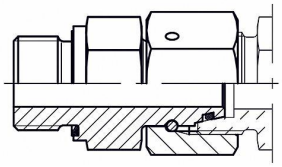
DIN HYDRAULIC FITTINGS DIN 2353/ISO 8434-1 SWIVEL

DIN Swivel Fittings Introduction

DIN swivel fittings is most popular Ermeto adjustable high pressure tube fittings, it is often found in the work of connection straight stud connector to hydraulic tube or hose assemble.

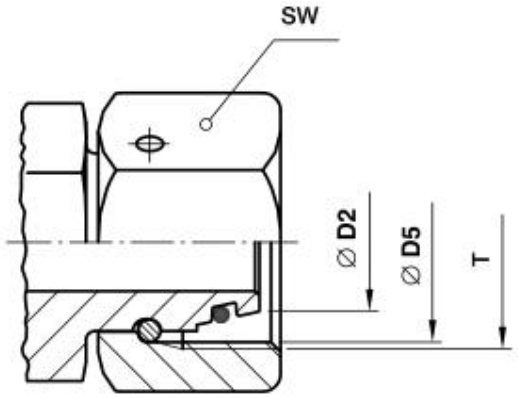
Overview shapes Of DIN Swivel Fittings

Tube or stud to swivel connector is made of these shapes(ISO-Parker-Eaton series no), from hex bar or forging body as follows:

Straight (RDSW/RED/2C) 	**Elbow (SWOE/EW/2C9)** 	**Elbow (SWOE45/EV/2C4)** 
Tee (SWORT/EL/CC) 	**Tee (SWOBT/ET/BC)** 	**Straight Union(GZ/3C)** 
Reducer(GZR/3C) 	**Metric Stud(SWOSDS/EGE-M-ED/2MC-WD)** 	**BSPP Stud(SWOSDS/EGE-R-ED/2BC-WD)** 

Dimensions Of DIN 24 degree swivel fittings and torque of assemble DKO

Deign is thrust wire nut, 24 degree cone with o-ring nipple, meet DIN 3865/DIN EN ISO 8434-4.



Tube O.D. Size	T	∅ D2 mm	∅ D5 mm Thread core diameter	SW mm	**Torque of assemble DKO**
L SERIES					
06-L	M 12×1.5	5.5	10.38	14	
08-L	M 14×1.5	7.5	12.38	17	
10-L	M 16×1.5	9.7	14.38	19	
12-L	M 18×1.5	11.7	16.38	22	
15-L	M 22×1.5	14.7	20.38	27	
18-L	M 26×1.5	17.7	24.38	32	
22-L	M 30×2	21.7	27.84	36	
28-L	M 36×2	27.7	33.84	41	
35-L	M 45×2	34.5	42.84	50	
42-L	M 52×2	41.5	49.84	60	
S SERIES					
06-S	M 14×1.5	5.5	12.38	17	
08-S	M 16×1.5	7.5	14.38	19	
10-S	M 18×1.5	9.7	16.38	22	
12-S	M 20×1.5	11.7	18.38	24	
14-S	M 22×1.5	13.5	20.38	27	
16-S	M 24×1.5	15.5	22.38	30	
20-S	M 30×2	19.5	29.84	36	
25-S	M 36×2	24.5	33.84	46	
30-S	M 42×2	29.5	39.84	50	
38-S	M 52×2	37.5	49.84	60	

Functions of DKO swivel connector Technology

Double sealing with o-ring and metallic cone

Long-lasting seal of this connection for vibration situation

High cost effective by less maintenance, easy to assembly.

Technical Specifications

Materials of Construction:Steel, Stainless steel

Product Series:Light and Heavy

Tube Outside Diameter: 6-42 mm

Maximum Operating Temperature:+250 Steel, +400 Stainless Steel °C, +482 Steel, +752 Stainless Steel °F

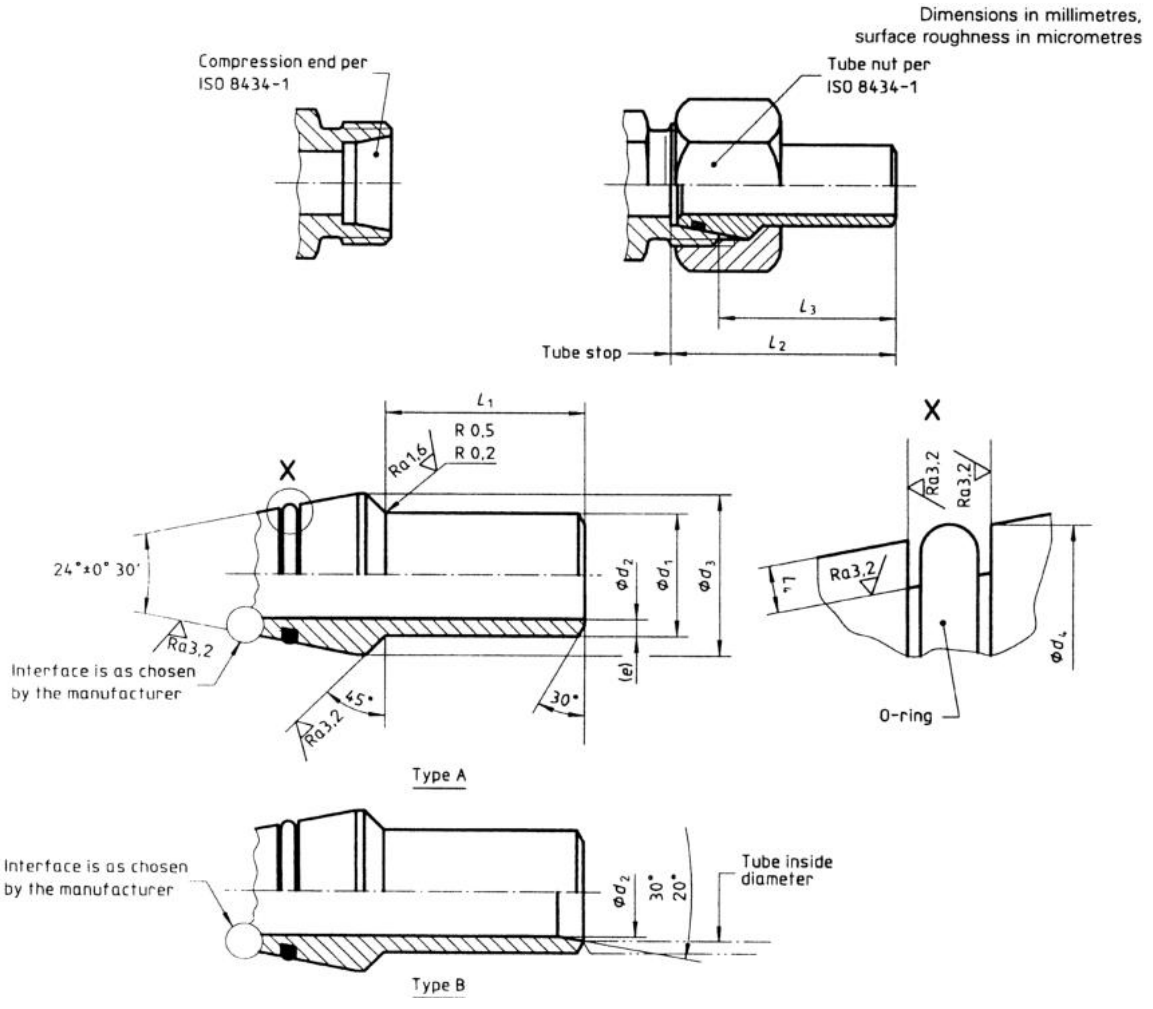
Maximum Operating Pressure:16-80 MPa, 160-800 bar, 2321-11603 psi

Connection Type:Bite Type, Soft Seal Bite Type

Minimum Operating Temperature:-40 (Steel); -60 (Stainless Steel) °C, -40 Steel, -76 Stainless Steel °F

Application:Agriculture Equipment, Automotive Process, Chemical Transfer, Construction Equipment, Fuel transfer, Hydraulic, Manufacturing Equipment, Marine, Material Handling, Mobile Equipment, Oilfield, Packaging, Transportation

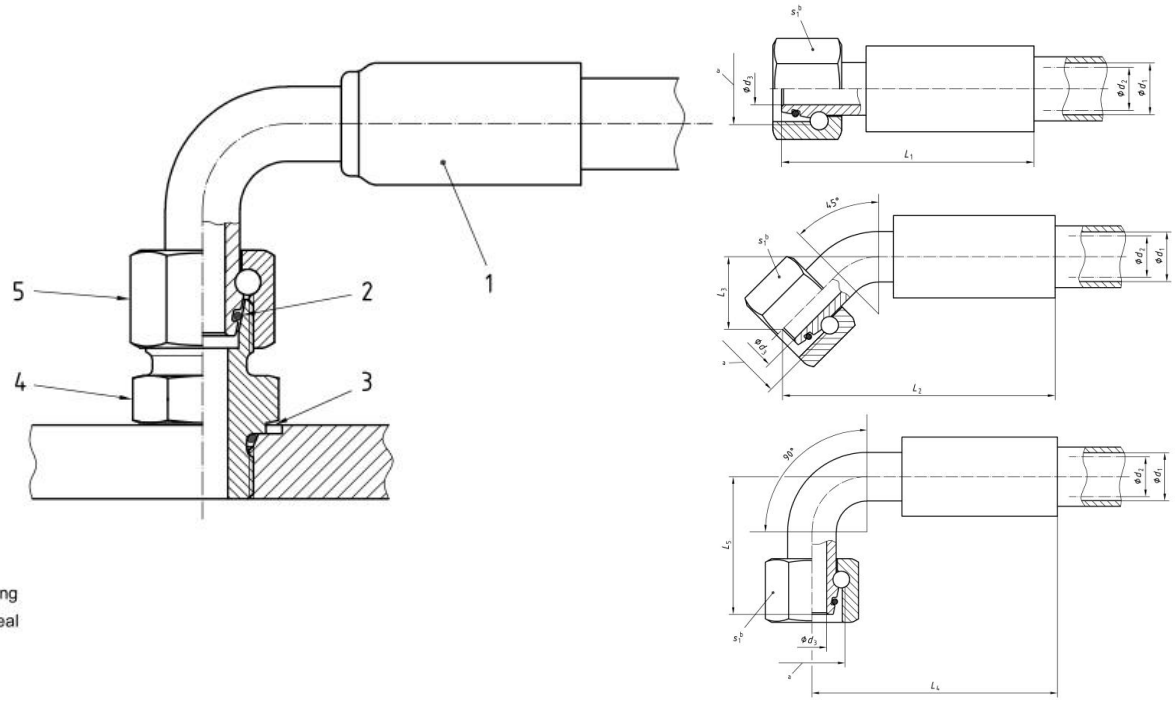
Technical dimensions of 24 degree cone fitting with o-ring weld-on nipple as per ISO 8434-4 and DIN 3865



Series	Tube OD	d1 ±0.1	d2 +0.20 -0.05	d3 min.	d3 max.	d4 max.	L1 +0.2	L2 ±-1	L3 ±-1	L4 ±0.1
L	15	15	10	18	20	17	22	35	28	1.5
	18	18	13	21	24	20	23	37	29.5	1.5
	22	22	17	25	27	24	24.5	39.5	32	1.5
	28	28	23	31	33	30	27.5	42.5	35	1.5
	35	35	29	40	42	37.7	30.5	49.5	39	1.9
	42	42	36	47	49	44.7	30.5	50	39	1.9
S	6	6	2.5	9	11	7.8	19	32	25	1.1
	8	8	4	11	13	9.8	19	32	25	1.1
	10	10	6	14	16	12	20	33.5	26	1.l
	12	12	8	16	18	14	20	33.5	26	1.1
	16	16	11	20	22	18	26	40.5	32	1.5
	20	20	14	24	27	22.6	28.5	47	36.5	1.8
	25	25	19	29	33	27.6	33.5	53.5	41.5	1.8
	30	30	24	35	39	32.7	35.5	57.5	44	1.8
	38	38	32	43	49	40.7	39.5	64.5	48.5	1.8

DIN swivel nut end combination type of hose fitting

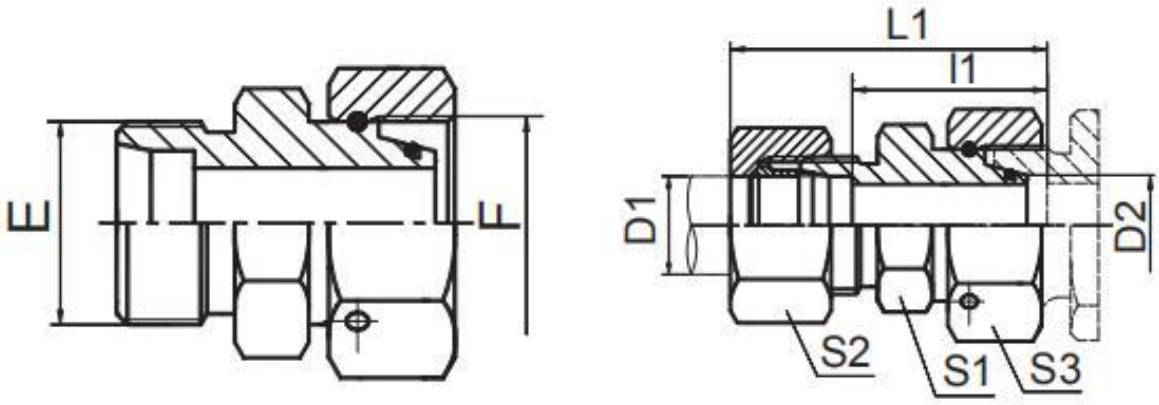
ISO 12151-2 Hose fittings with ISO 8434-4 24° cone connector ends with O-rings



Key

1 hose fitting
2 O-ring seal
3 port
4 adapter
5 nut

2C/2D Dimension sheet of tube to swivel straight connector



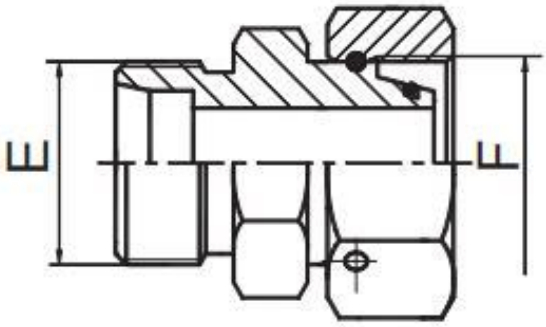
REF: ISO 8434-1 RWSW/ DIN 3865/DIN 2353; Interchangeable into Parker RED

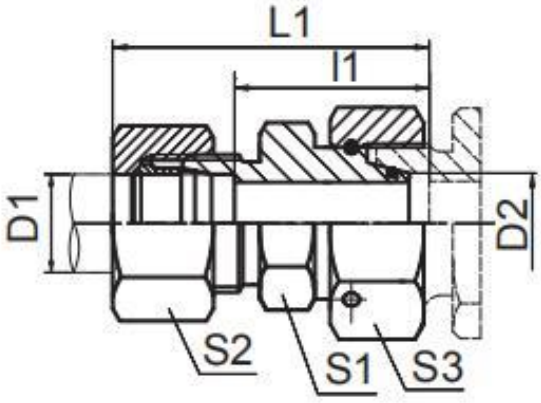
PART NO.	THREAD		TUBE O.D.		DIMENSIONS					weight	Parker No.
	E	F	D1	D2	l1	L1	S1	S2	S3	g/1pc	
2C-12-14	M12X1.5	M14X1.5	6	8	23.5	38	12	14	17	29	RED08/06LOMD
2C-12-16	M12X1.5	M16X1.5	6	10	25	40	14	14	19	36	RED10/06LOMD
2C-14-16	M14X1.5	M16X1.5	8	10	25	40	14	17	19	38	RED10/08LOMD
2C-12-18	M12X1.5	M18X1.5	6	12	25	40	17	14	22	49	RED12/06LOMD
2C-14-18	M14X1.5	M18X1.5	8	12	25	40	17	17	22	49	RED12/08LOMD
2C-16-18	M16X1.5	M18X1.5	10	12	26	41	17	19	22	51	RED12/10LOMD
2C-12-22	M12X1.5	M22X1.5	6	15	28.5	43	19	14	27	81	RED15/06LOMD
2C-14-22	M14X1.5	M22X1.5	8	15	28.5	43	19	17	27	85	RED15/08LOMD
2C-16-22	M16X1.5	M22X1.5	10	15	29.5	44	19	19	27	83	RED15/10LOMD
2C-18-22	M18X1.5	M22X1.5	12	15	29.5	44	19	22	27	83	RED15/12LOMD
2C-12-26	M12X1.5	M26X1.5	6	18	28	43	24	14	32	109	RED18/06LOMD
2C-22-26	M22X1.5	M26X1.5	15	18	30	45	24	27	32	115	RED18/15LOMD
2C-12-30	M12X1.5	M30X2	6	22	32	47	27	14	36	158	RED22/06LOMD
2C-14-30	M14X1.5	M30X2	8	22	32	47	27	17	36	158	RED22/08LOMD
2C-16-30	M16X1.5	M30X2	10	22	33	48	27	19	36	159	RED22/10LOMD
2C-18-30	M18X1.5	M30X2	12	22	33	48	27	22	36	157	RED22/12LOMD
2C-22-30	M22X1.5	M30X2	15	22	34	49	27	27	36	164	RED22/15LOMD
2C-26-30	M26X1.5	M30X2	18	22	33.5	50	27	32	36	167	RED22/18LOMD
2C-12-36	M12X1.5	M36X2	6	28	34	49	36	14	41	219	RED28/06LOMD
2C-14-36	M14X1.5	M36X2	8	28	34	49	36	17	41	221	RED28/08LOMD
2C-16-36	M16X1.5	M36X2	10	28	35	50	36	19	41	213	RED28/10LOMD
2C-18-36	M18X1.5	M36X2	12	28	35	50	36	22	41	213	RED28/12LOMD
2C-22-36	M22X1.5	M36X2	15	28	36	51	36	27	41	218	RED28/15LOMD
2C-26-36	M26X1.5	M36X2	18	28	35.5	52	36	32	41	220	RED28/18LOMD

DIN HYDRAULIC FITTINGS

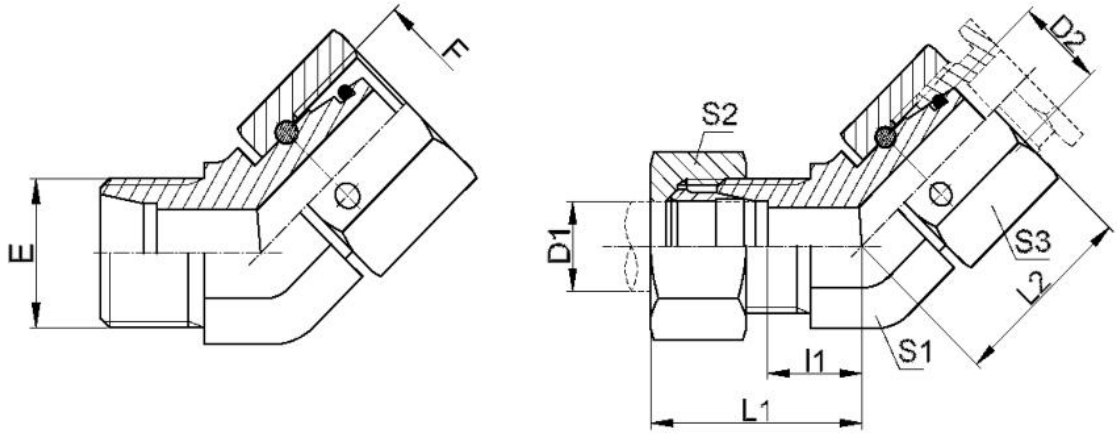
DIN 2353/ISO 8434-1 SWIVEL

2C-30-36	M30X2	M36X2	22	28	37.5	54	36	36	41	222	RED28/22LOMD
2C-12-45	M12X1.5	M45X2	6	35	37	52	41	14	50	318	RED35/06LOMD
2C-14-45	M14X1.5	M45X2	8	35	37	52	41	17	50	318	RED35/08LOMD
2C-16-45	M16X1.5	M45X2	10	35	38	53	41	19	50	318	RED35/10LOMD
2C-18-45	M18X1.5	M45X2	12	35	38	53	41	22	50	324	RED35/12LOMD
2C-22-45	M22X1.5	M45X2	15	35	39	54	41	27	50	328	RED35/15LOMD
2C-26-45	M26X1.5	M45X2	18	35	38.5	55	41	32	50	328	RED35/18LOMD
2C-30-45	M30X2	M45X2	22	35	40.5	57	41	36	50	331	RED35/22LOMD
2C-36-45	M36X2	M45X2	28	35	40.5	57	41	41	50	327	RED35/28LOMD
2C-16-52	M16X1.5	M52X2	10	42	41.5	56	50	19	60	537	RED42/10LOMD
2C-18-52	M18X1.5	M52X2	12	42	41.5	56	50	22	60	538	RED42/12LOMD
2C-22-52	M22X1.5	M52X2	15	42	42.5	58	50	27	60	534	RED42/15LOMD
2C-26-52	M26X1.5	M52X2	18	42	42	58	50	32	60	544	RED42/18LOMD
2C-30-52	M30X2	M52X2	22	42	44	60	50	36	60	543	RED42/22LOMD
2C-36-52	M36X2	M52X2	28	42	44	61	50	41	60	539	RED42/28LOMD
2C-45-52	M45X2	M52X2	35	42	43	65	50	50	60	541	RED42/35LOMD
PART NO.	E	F	D1	D2	l1	L1	S1	S2	S3	g/1pc	Parker No.





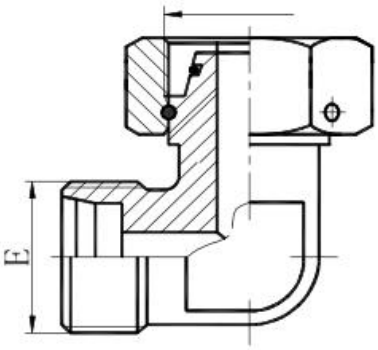
2C4/2D4 Dimension sheet of tube to swivel 45 degree elbow connector

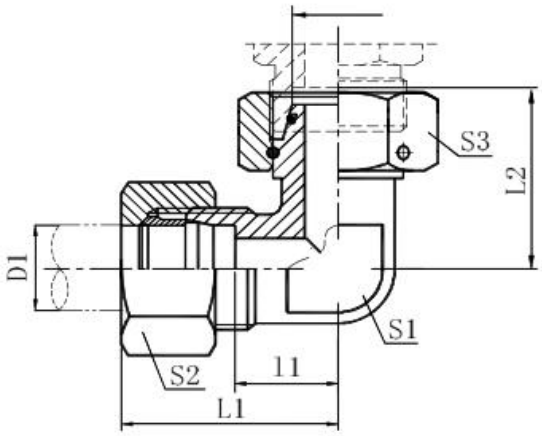


REF: ISO 8434-1 SWOE45 DIN 3865/DIN 2353; Interchangeable into Parker EV

PART NO.	THREAD		TUBE O.D.		O O-RING	DIMENSIONS						weight	Parker No.
	E	F	D1	D2		I1	L1	L2	S1	S2	S3	g/1pc	
L SERIES													
2C4-12	M12X1.5	M12X1.5	6	6	O04.5x1.5	10.5	25	23	11	14	14	37	EV06LOMD
2C4-14	M14X1.5	M14X1.5	8	8	O06.5x1.5	11	25.5	23.7	14	17	17	49	EV08LOMD
2C4-16	M16X1.5	M16X1.5	10	10	O08.0x1.5	12	26.5	23.5	16	19	19	77	EV10LOMD
2C4-18	M18X1.5	M18X1.5	12	12	O10.0x1.5	13	27.5	25.5	19	22	22	86	EV12LOMD
2C4-22	M22X1.5	M22X1.5	15	15	O12.0x2.0	15	30	26.6	22	27	27	144	EV15LOMD
2C4-26	M26X1.5	M26X1.5	18	18	O15.0x2.0	17.5	33.5	30	27	32	32	210	EV18LOMD
2C4-30	M30X2	M30X2	22	22	O20.0x2.0	19.5	35.5	33	30	36	36	270	EV22LOMD
2C4-36	M36X2	M36X2	28	28	O26.0x2.0	21.5	38	36	36	41	41	385	EV28LOMD
2C4-45	M45X2	M45X2	35	35	O32.0x2.5	25.5	47	45	48	50	50	805	EV35LOMD
2C4-52	M52X2	M52X2	42	42	O38.0x2.5	26	48.5	45.5	50	60	60	887	EV42LOMD
S SERIES													
2D4-14	M14X1.5	M14X1.5	6	6	O04.5x1.5	13	27.5	24	14	17	17	50	EV06SOMD
2D4-16	M16X1.5	M16X1.5	8	8	O06.5x1.5	13.5	28	25	16	19	19	80	EV08SOMD
2D4-18	M18X1.5	M18X1.5	10	10	O08.0x1.5	13.8	29.8	26	19	22	22	95	EV10SOMD
2D4-20	M20X1.5	M20X1.5	12	12	O10.0x1.5	14.5	30.5	27.5	19	24	24	137	EV12SOMD
2D4-22	M22X1.5	M22X1.5	14	14	O11.0x2.0	16	33.5	27.6	22	27	27	146	EV14SOMD
2D4-24	M24X1.5	M24X1.5	16	16	O13.0x2.0	16	34	36.5	22	30	30	217	EV16SOMD
2D4-30	M30X2	M30X2	20	20	O16.3x2.4	18.5	40	35	30	36	36	313	EV20SOMD
2D4-36	M36X2	M36X2	25	25	O20.3x2.4	19	43	52.5	36	46	46	529	EV25SOMD
2D4-42	M42X2	M42X2	30	30	O25.3x2.4	24	50.5	44.5	41	50	50	940	EV30SOMD
2D4-52	M52X2	M52X2	38	38	O33.3x2.4	25.5	56	48.5	50	60	60	1055	EV38SOMD

2C9/2D9 Dimension sheet of tube to swivel elbow connector

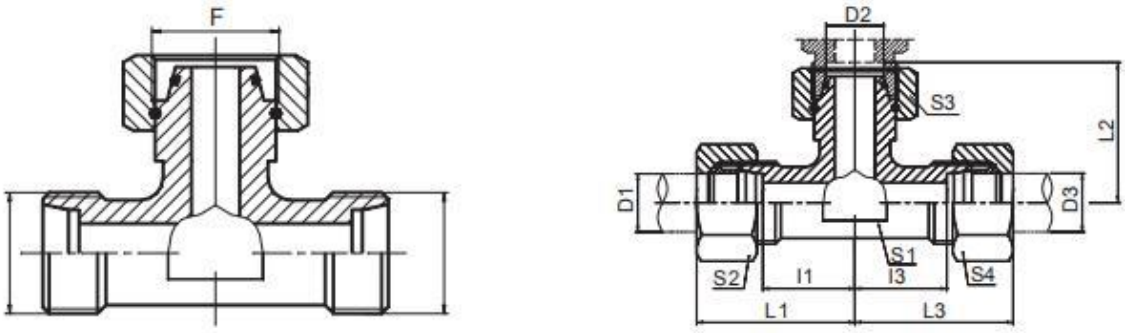




REF: ISO 8434-1 SWOE DIN 3865/DIN 2353; Interchangeable into Parker EW

PART NO.	THREAD		TUBE O.D.		DIMENSIONS						weight	Parker No.
	E	F	D1	D2	l1	L1	L2	S1	S2	S3	g/1pc	
L SERIES												
2C9-12	M12X1.5	M12X1.5	6	6	12	27	26	12	14	14	34	EW06LOMD
2C9-14	M14X1.5	M14X1.5	8	8	14	29	27.5	12	17	17	43	EW08LOMD
2C9-16	M16X1.5	M16X1.5	10	10	15	30	29	14	19	19	58	EW10LOMD
2C9-18	M18X1.5	M18X1.5	12	12	17	32	29.5	17	22	22	81	EW12LOMD
2C9-22	M22X1.5	M22X1.5	15	15	21	36	32.5	19	27	27	128	EW15LOMD
2C9-26	M26X1.5	M26X1.5	18	18	23.5	40	35.5	24	32	32	197	EW18LOMD
2C9-30	M30X2	M30X2	22	22	27.5	44	38.5	27	36	36	258	EW22LOMD
2C9-36	M36X2	M36X2	28	28	30.5	47	41.5	36	41	41	370	EW28LOMD
2C9-45	M45X2	M45X2	35	35	34.5	56	51	41	50	50	593	EW35LOMD
2C9-52	M52X2	M52X2	42	42	40	63	56	50	60	60	993	EW42LOMD
S SERIES												
2D9-14	M14X1.5	M14X1.5	6	6	16	31	27	12	17	17	48	EW06SOMD
2D9-16	M16X1.5	M16X1.5	8	8	17	32	27.5	14	19	19	65	EW08SOMD
2D9-18	M18X1.5	M18X1.5	10	10	17.5	34	30	17	22	22	92	EW10SOMD
2D9-20	M20X1.5	M20X1.5	12	12	21.5	38	31	17	24	24	107	EW12SOMD
2D9-22	M22X1.5	M22X1.5	14	14	22	40	35	19	27	27	146	EW14SOMD
2D9-24	M24X1.5	M24X1.5	16	16	24.5	43	36.5	24	30	30	212	EW16SOMD
2D9-30	M30X2	M30X2	20	20	26.5	48	44.5	27	36	36	309	EW20SOMD
2D9-36	M36X2	M36X2	25	25	30	54	50	36	46	46	547	EW25SOMD
2D9-42	M42X2	M42X2	30	30	35.5	62	55	41	50	50	744	EW30SOMD
2D9-52	M52X2	M52X2	38	38	41	72	63	50	60	60	1222	EW38SOMD

BC/BD Dimension sheet of tube to swivel branch tee connector

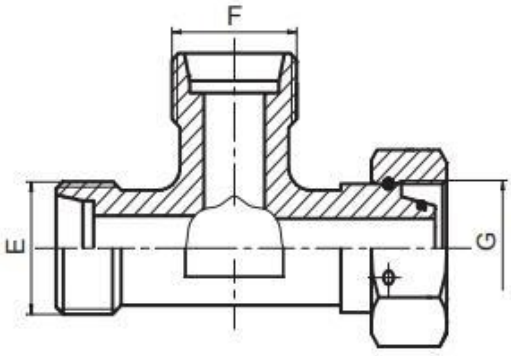


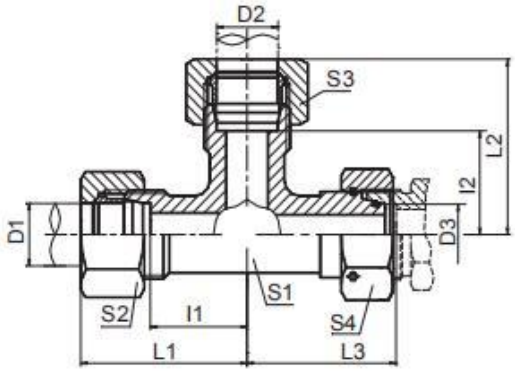
REF: ISO 8434-1 SWOBT DIN 3865/DIN 2353; Interchangeable into Parker ET

	THREAD		TUBE O.D.		DIMENSIONS						weight	Parker No.
PART NO.	E,G	F	D1,D3	D2	l1,l3	L1,L3	L2	S1	S2,S4	S3	g/1pc	
L SERIES												
BC-12	M12X1.5	M12X1.5	6	6	12	27	26	12	14	14	42	ET06LOMD
BC-14	M14X1.5	M14X1.5	8	8	14	29	27.5	12	17	17	53	ET08LOMD
BC-16	M16X1.5	M16X1.5	10	10	15	30	29	14	19	19	71	ET10LOMD
BC-18	M18X1.5	M18X1.5	12	12	17	32	29.5	17	22	22	97	ET12LOMD
BC-22	M22X1.5	M22X1.5	15	15	21	36	32.5	19	27	27	159	ET15LOMD
BC-26	M26X1.5	M26X1.5	18	18	23.5	40	35.5	24	32	32	239	ET18LOMD
BC-30	M30X2	M30X2	22	22	27.5	44	38.5	27	36	36	308	ET22LOMD
BC-36	M36X2	M36X2	28	28	30.5	47	41.5	36	41	41	449	ET28LOMD
BC-45	M45X2	M45X2	35	35	34.5	56	51	41	50	50	679	ET35LOMD
BC-52	M52X2	M52X2	42	42	40	63	56	50	60	60	1131	ET42LOMD
S SERIES												
BD-14	M14X1.5	M14X1.5	6	6	16	31	27	12	17	17	63	ET06SOMD
BD-16	M16X1.5	M16X1.5	8	8	17	32	27.5	14	19	19	79	ET08SOMD
BD-18	M18X1.5	M18X1.5	10	10	17.5	34	30	17	22	22	113	ET10SOMD
BD-20	M20X1.5	M20X1.5	12	12	21.5	38	31	17	24	24	136	ET12SOMD
BD-22	M22X1.5	M22X1.5	14	14	22	40	35	19	27	27	173	ET14SOMD
BD-24	M24X1.5	M24X1.5	16	16	24.5	43	36.5	24	30	30	239	ET16SOMD
BD-30	M30X2	M30X2	20	20	26.5	48	44.5	27	36	36	388	ET20SOMD
BD-36	M36X2	M36X2	25	25	30	54	50	36	46	46	652	ET25SOMD
BD-42	M42X2	M42X2	30	30	35.5	62	55	41	50	50	905	ET30SOMD
BD-52	M52X2	M52X2	38	38	41	72	63	50	60	60	1462	ET38SOMD

DIN HYDRAULIC FITTINGS DIN 2353/ISO 8434-1 SWIVEL

CC/CD Dimension sheet of tube to swivel run tee connector

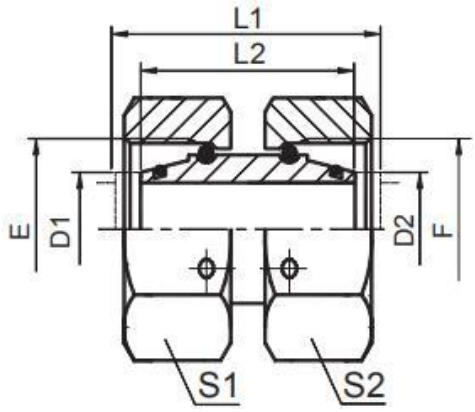




REF: ISO 8434-1 SWORT DIN 3865/DIN 2353; Interchangeable into Parker EL

PART NO.	THREAD		TUBEO.D.		DIMENSIONS						weight	Parker No.
	E,F	G	D1,D2	D3	l1,l2	L1,L2	L3	S1	S2,S3	S4	g/1pc	
L SERIES												
CC-12	M12X1.5	M12X1.5	6	6	12	27	26	12	14	14	44	EL06LOMD
CC-14	M14X1.5	M14X1.5	8	8	14	29	27.5	12	17	17	53	EL08LOMD
CC-16	M16X1.5	M16X1.5	10	10	15	30	29	14	19	19	68	EL10LOMD
CC-18	M18X1.5	M18X1.5	12	12	17	32	29.5	17	22	22	95	EL12LOMD
CC-22	M22X1.5	M22X1.5	15	15	21	36	32.5	19	27	27	151	EL15LOMD
CC-26	M26X1.5	M26X1.5	18	18	23.5	40	35.5	24	32	32	233	EL18LOMD
CC-30	M30X2	M30X2	22	22	27.5	44	38.5	27	36	36	309	EL22LOMD
CC-36	M36X2	M36X2	28	28	30.5	47	41.5	36	41	41	436	EL28LOMD
CC-45	M45X2	M45X2	35	35	34.5	56	51	41	50	50	666	EL35LOMD
CC-52	M52X2	M52X2	42	42	40	63	56	50	60	60	1163	EL42LOMD
S SERIES												
CD-14	M14X1.5	M14X1.5	6	6	16	31	27	12	17	17	65	EL06SOMD
CD-16	M16X1.5	M16X1.5	8	8	17	32	27.5	14	19	19	84	EL08SOMD
CD-18	M18X1.5	M18X1.5	10	10	17.5	34	30	17	22	22	118	EL10SOMD
CD-20	M20X1.5	M20X1.5	12	12	21.5	38	31	17	24	24	136	EL12SOMD
CD-22	M22X1.5	M22X1.5	14	14	22	40	35	19	27	27	173	EL14SOMD
CD-24	M24X1.5	M24X1.5	16	16	24.5	43	36.5	24	30	30	260	EL16SOMD
CD-30	M30X2	M30X2	20	20	26.5	48	44.5	27	36	36	375	EL20SOMD
CD-36	M36X2	M36X2	25	25	30	54	50	36	46	46	655	EL25SOMD
CD-42	M42X2	M42X2	30	30	35.5	62	55	41	50	50	906	EL30SOMD
CD-52	M52X2	M52X2	38	38	41	72	63	50	60	60	1472	EL38SOMD

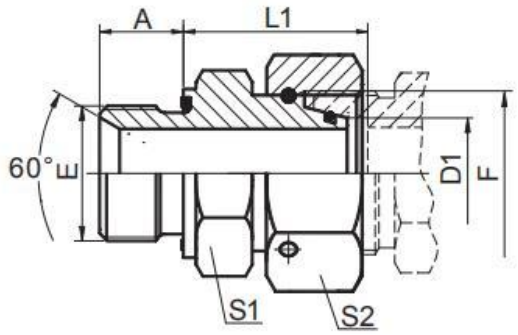
3C/3D Dimension sheet of swivel to swivel straight connector



REF: ISO 8434-1 DIN 3865/DIN 2353; Interchangeable into Parker GZ

PART NO.	THREAD	TUBE OD	DIMENSIONS			weight	Parker No.
	E,F	D1,D2	L1	L2	S1,S2	g/1pc	
L SERIES							
3C-12	M12X1.5	6	33	32	14	28	GZ06L
3C-14	M14X1.5	8	33	32	17	41	GZ08L
3C-16	M16X1.5	10	34	33	19	53	GZ10L
3C-18	M18X1.5	12	34	33	22	71	GZ12L
3C-22	M22X1.5	15	39	38	27	129	GZ15L
3C-26	M26X1.5	18	41	39	32	165	GZ18L
3C-30	M30X2	22	44	42	36	243	GZ22L
3C-36	M36X2	28	48	46	46	319	GZ28L
3C-45	M45X2	35	52	48	50	449	GZ35L
3C-52	M52X2	42	57	52	60	737	GZ42L
S SERIES							
3D-14	M14X1.5	6	33	32	17	41	GZ06S
3D-16	M16X1.5	8	34	33	19	54	GZ08S
3D-18	M18X1.5	10	35	33	22	74	GZ10S
3D-20	M20X1.5	12	38	36	24	95	GZ12S
3D-22	M22X1.5	14	41	39	27	131	GZ14S
3D-24	M24X1.5	16	42	39	30	172	GZ16S
3D-30	M30X2	20	48	44	36	261	GZ20S
3D-36	M36X2	25	53	46	46	477	GZ25S
3D-42	M42X2	30	62	52	50	605	GZ30S
3D-52	M52X2	38	67	52	60	826	GZ38S

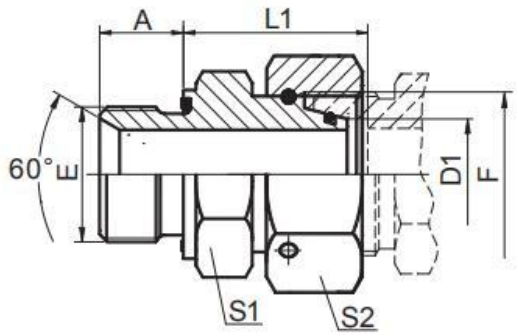
2BC/2BD-WD Dimension Male BSPP Stub ISO 1179-2 ED seal to swivel straight connector



REF: ISO 8434-1 SWSDS/DIN 3865/DIN 2353; Interchangeable into Parker EGE-R-ED

PART NO.	THREAD		TUBE OD	DIMENSIONS				weight	Parker No.
	E	F	D1	A	L1	S1	S2	g/1pc	
L SERIES									
2BC-02-12WD	G1/8"X28	M12X1.5	6	8	24.5	14	14	27	EGE06LRED
2BC-04-14WD	G1/4"X19	M14X1.5	8	12	29.5	19	17	28	EGE08LRED
2BC-04-16WD	G1/4"X19	M16X1.5	10	12	27.5	19	19	54	EGE10LRED
2BC-06-18WD	G3/8"X19	M18X1.5	12	12	34	22	22	95	EGE12LRED
2BC-08-22WD	G1/2"X14	M22X1.5	15	14	32	27	27	137	EGE15LRED
2BC-08-26WD	G1/2"X14	M26X1.5	18	14	31.5	27	32	143	EGE18LRED
2BC-12-30WD	G3/4"X14	M30X2	22	16	32.5	32	36	200	EGE22LRED
2BC-16-36WD	G1"X11	M36X2	28	18	35	41	41	289	EGE28LRED
2BC-20-45WD	G1.1/4"X11	M45X2	35	20	42.5	50	50	500	EGE35LRED
2BC-24-52WD	G1.1/2"X11	M52X2	42	22	46.5	55	60	718	EGE42LRED
S SERIES									
2BD-04-14WD	G1/4"X19	M14X1.5	6	12	27	19	17	53	EGE06SRED
2BD-04-16WD	G1/4"X19	M16X1.5	8	12	29.5	19	19	64	EGE08SRED
2BD-06-18WD	G3/8"X19	M18X1.5	10	12	32	22	22	93	EGE10SRED
2BD-06-20WD	G3/8"X19	M20X1.5	12	12	34	22	24	100	EGE12SRED
2BD-08-22WD	G1/2"X14	M22X1.5	14	14	36.5	27	27	157	EGE14SRED
2BD-08-24WD	G1/2"X14	M24X1.5	16	14	37	27	30	170	EGE16SRED
2BD-12-30WD	G3/4"X14	M30X2	20	16	43	32	36	273	EGE20SRED
2BD-16-36WD	G1"X11	M36X2	25	18	48	41	46	493	EGE25SRED
2BD-20-42WD	G1.1/4"X11	M42X2	30	20	51	50	50	691	EGE30SRED
2BD-24-52WD	G1.1/2"X11	M52X2	38	22	60	55	60	934	EGE38SRED

2MC/2MD-WD Dimension sheet of Male Metric Stub ISO 9974-2 ED seal to swivel straight connector

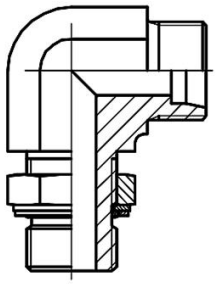


REF: ISO 8434-1 SWSDS/DIN 3865/DIN 2353; Interchangeable into Parker EGE-M-ED

PART NO.	THREAD		TUBE O.D.	DIMENSIONS				weight	Parker No.
	E	F	D1	A	L1	S1	S2	g/1pc	
L SERIES									
2MC-10-12WD	M10X1	M12X1.5	6	8	24.5	14	14	27	EGE06LMED
2MC-12-14WD	M12X1.5	M14X1.5	8	12	26.5	17	17	45	EGE08LMED
2MC-14-16WD	M14X1.5	M16X1.5	10	12	27.5	19	19	57	EGE10LMED
2MC-16-18WD	M16X1.5	M18X1.5	12	12	30.5	22	22	82	EGE12LMED
2MC-18-22WD	M18X1.5	M22X1.5	15	12	31.5	24	27	113	EGE15LMED
2MC-22-26WD	M22X1.5	M26X1.5	18	14	31.5	27	32	148	EGE18LMED
2MC-26-30WD	M26X1.5	M30X2	22	16	32.5	32	36	203	EGE22LMED
2MC-33-36WD	M33X2	M36X2	28	18	35	41	41	289	EGE28LMED
2MC-42-45WD	M42X2	M45X2	35	20	42.5	50	50	511	EGE35LMED
2MC-48-52WD	M48X2	M52X2	42	22	46.5	55	60	711	EGE42LMED
S SERIES									
2MD-12-14WD	M12X1.5	M14X1.5	6	12	27	17	17	47	EGE06SMED
2MD-14-16WD	M14X1.5	M16X1.5	8	12	29.5	19	19	65	EGE08SMED
2MD-16-18WD	M16X1.5	M18X1.5	10	12	32	22	22	91	EGE10SMED
2MD-18-20WD	M18X1.5	M20X1.5	12	12	34	24	24	112	EGE12SMED
2MD-20-22WD	M20X1.5	M22X1.5	14	14	36.5	27	27	153	EGE14SMED
2MD-22-24WD	M22X1.5	M24X1.5	16	14	37	27	30	174	EGE16SMED
2MD-27-30WD	M27X2	M30X2	20	16	43	32	36	274	EGE20SMED
2MD-33-36WD	M33X2	M36X2	25	18	48	41	46	497	EGE25SMED
2MD-42-42WD	M42X2	M42X2	30	20	51	50	50	691	EGE30SMED
2MD-48-52WD	M48X2	M52X2	38	22	60	55	60	957	EGE38SMED

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

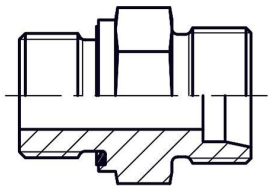
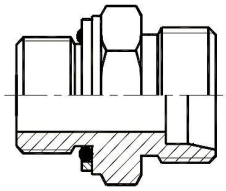
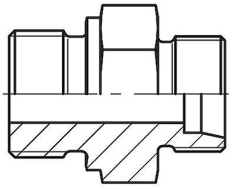
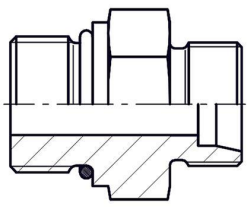
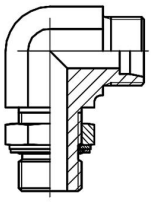
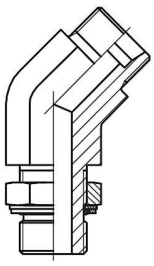
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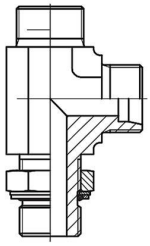
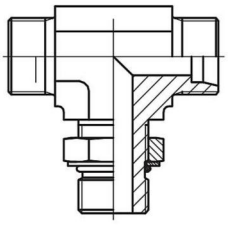
DIN BSPP Male Stud Fittings Introduction

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	
		

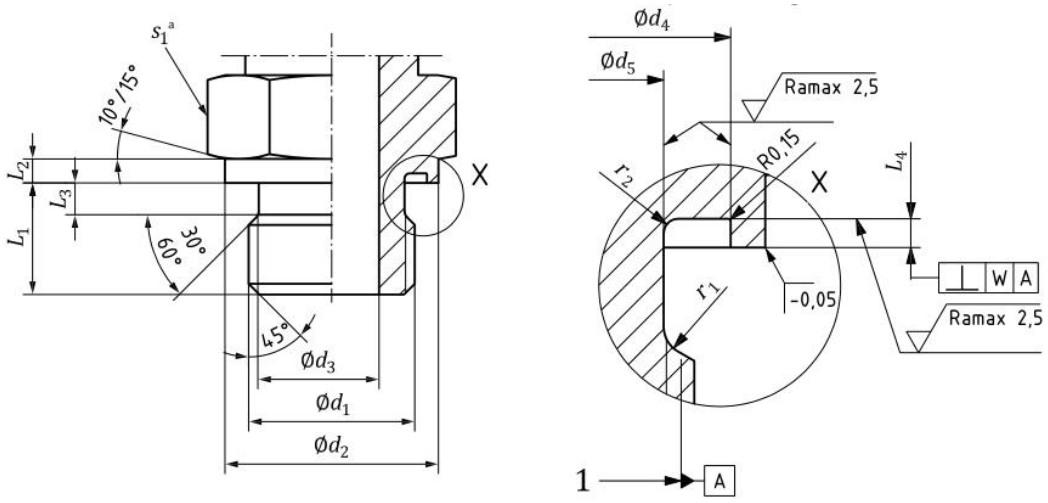
Advantage Of Different BSPP Male Stud Fittings

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

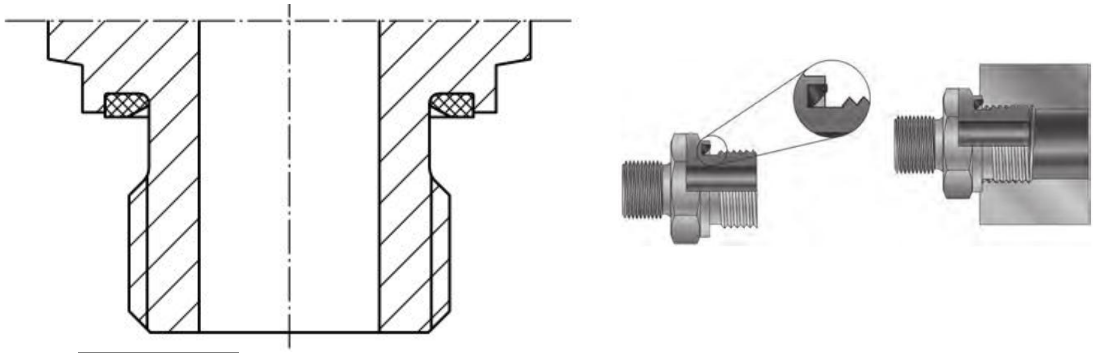
1. ISO 1179-2 Heavy-duty (S series) and light-duty (L series) stud ends with elastomeric sealing (type E)



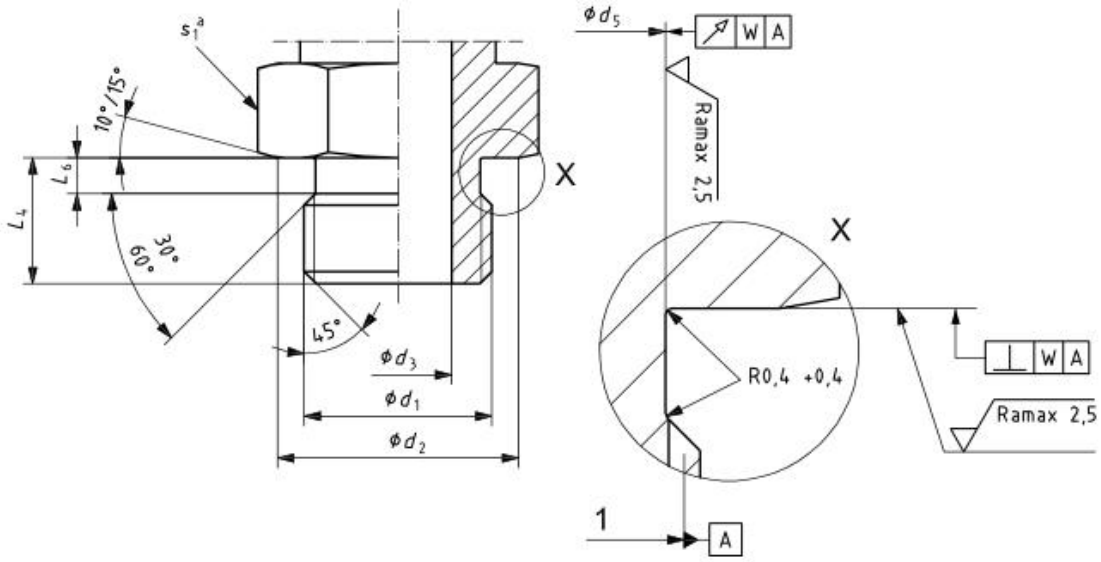
Dimension of ISO 1179-2 ED Seal E Type L and S series

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

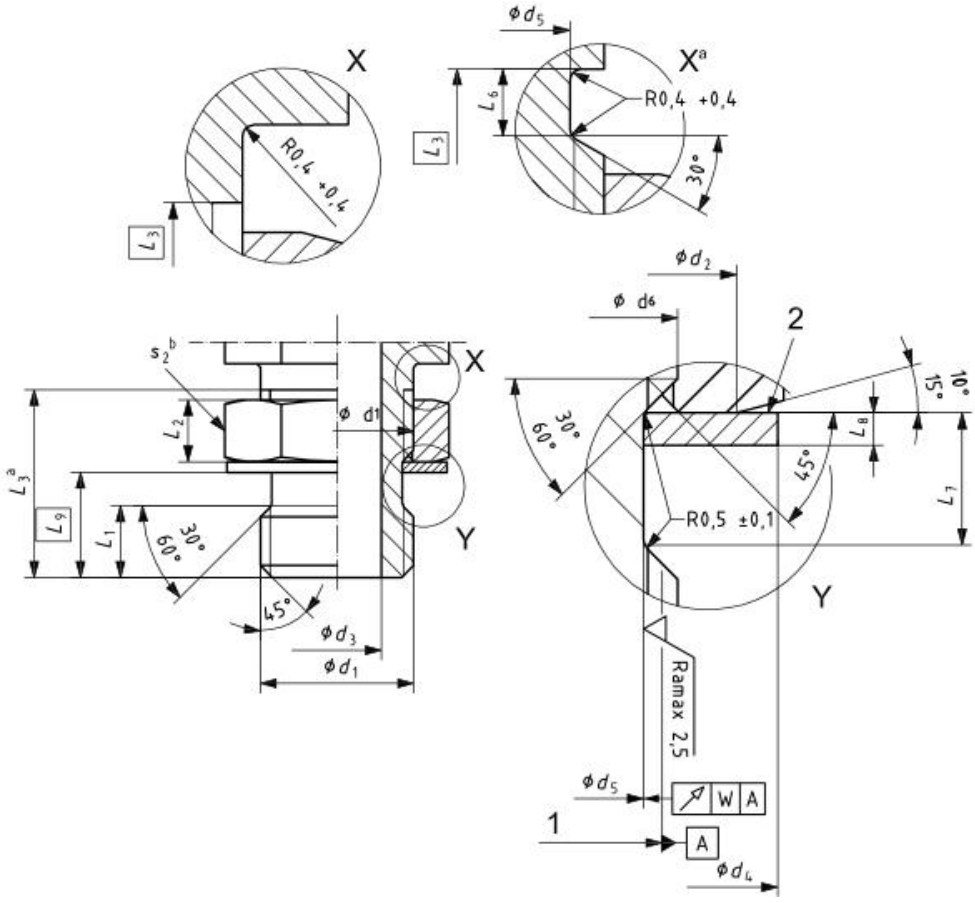
Correct Assembly of elastometric seal on stud end



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

DIN HYDRAULIC FITTINGS DIN 2353/ISO 8434-1 SWIVEL

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

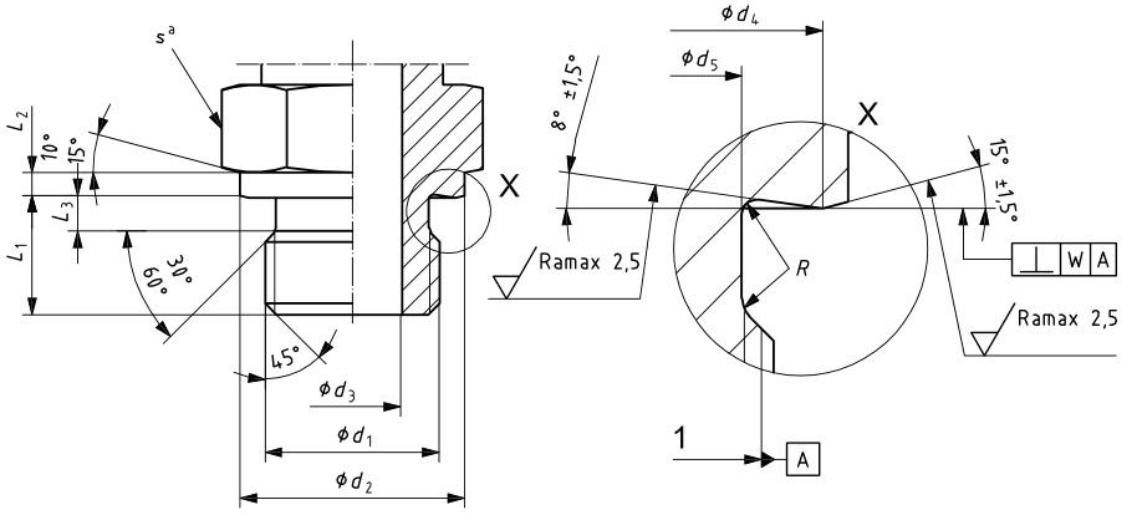
Thread size d1	d2	Maximum drill size d3 nom.	tol.	d4 ±0.4	d5 -0.1	d6 +0.4	L1 ±0.2	L2 ±0.2	L3 ref.	L4 ±0.2	L6 -0.3	L7 ±0.1	L8 ±0.08	L9 ref.	S1 hex	S2 hex	W
G1/8A	13.8	4.4	±0.1	16.7	8.27	9.8	6	5.6	16	7.6	1.8	3.4	0.9	8.5	14	14	0.1
G1/4A	18.8	7.5	±0.2	20.2	11.11	13.3	8	7.1	20	11.2	3.2	4.1	0.9	11.2	19	19	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

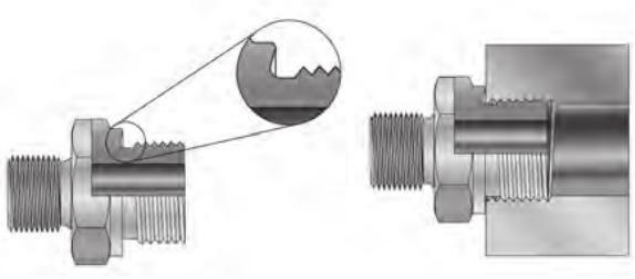


3. ISO 1179-4 Stud ends for general use only with metal-to-metal sealing (type B)



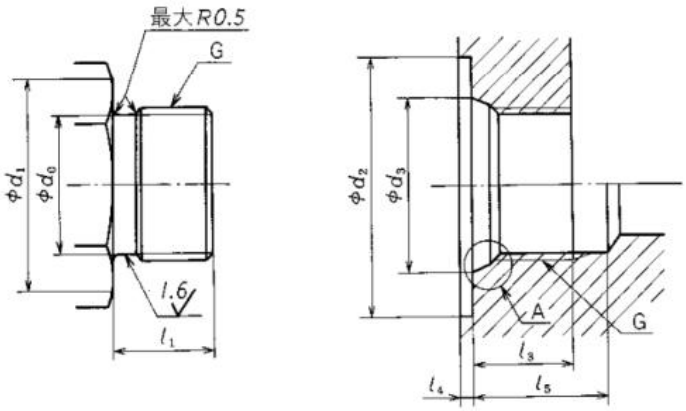
Dimensions for ISO 1179-4 stud ends for general use only with metal-to-metal sealing (type B)

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

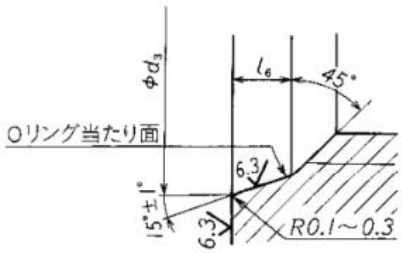


4. JIS B 2351-1 Stud ends dimension for general use only with O-ring sealing and E sealing

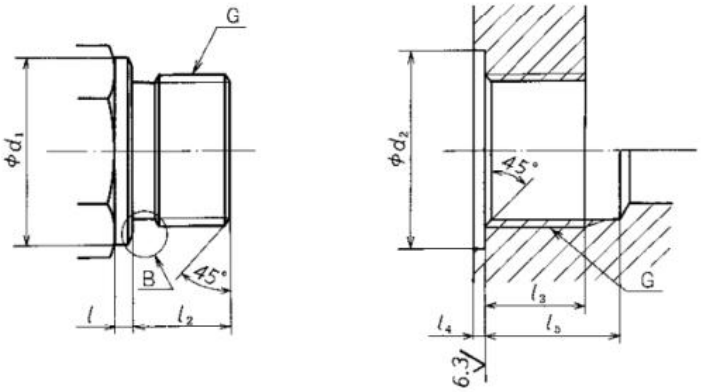
O形（O形リングシール方法）



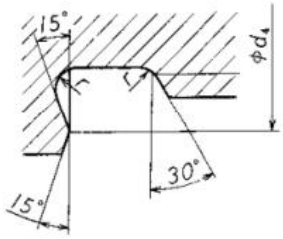
A拡大図（参考）



E形（エッジシール方法）

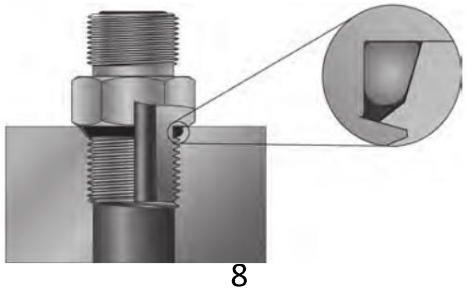


B拡大図（参考）

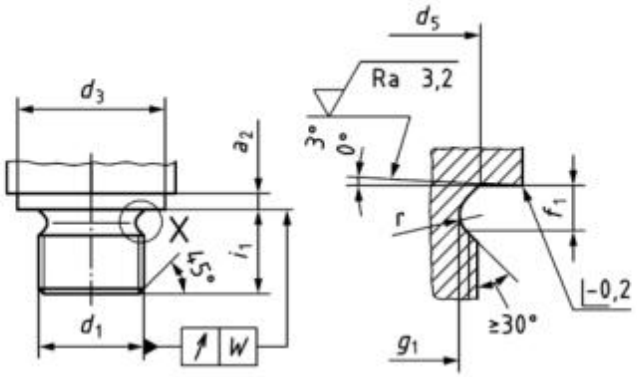


単位 mm

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



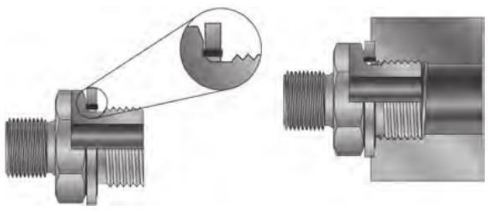
a Gewinde bis auf Kerndurchmesser abgefast

Bild 1 — Einschraubzapfen Form A

Tabelle 1 — Maße für Einschraubzapfen Form A

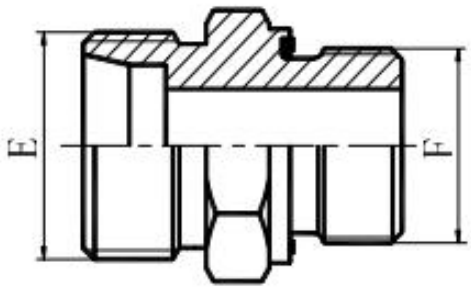
Maße in Millimete

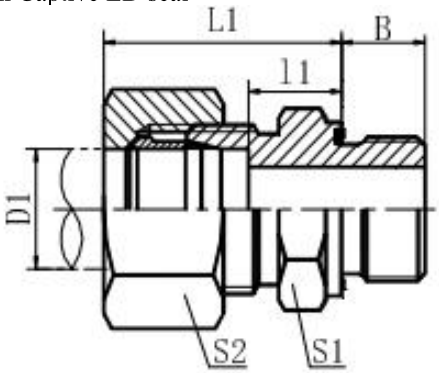
Gewinde				Gewinderille		Anwendung					
						Rohrverschraubungen, Armaturen		Verschlussschrauben			
d_1	a_2	d_3	d_5	f_1	g_1	i_1				r	W
						Regel-	Kurz-	Regel-	Kurz-		
	min.	0 −0,4	0 −0,3	+0,3 0	0 −0,2	±0,2				±0,2	
G 1/8 A	1,5	14	10,0	2	8,3	8	8	8	6	1,0	0,1
G 1/4 A	2,0	18	13,4	3	11,2	12	10	12	8	1,2	
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

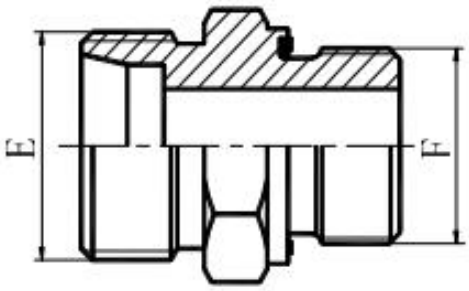


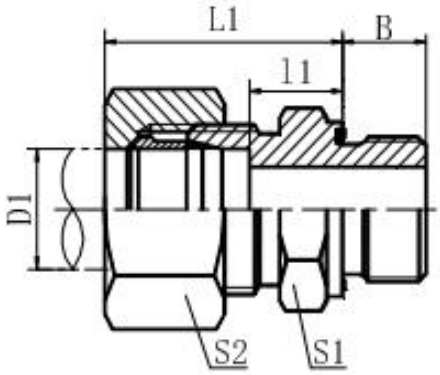


REF: ISO 8434-1/ DIN 3861/ISO 1179-2; Interchangeable into Parker **GE-R-ED** series

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

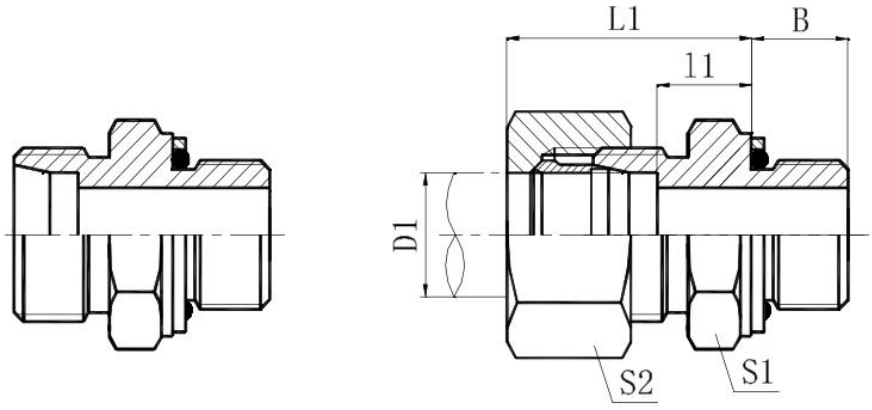




REF: ISO 8434-1/ DIN 3861/ISO 1179-2; Interchangeable into Parker **GE-R-ED** series

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

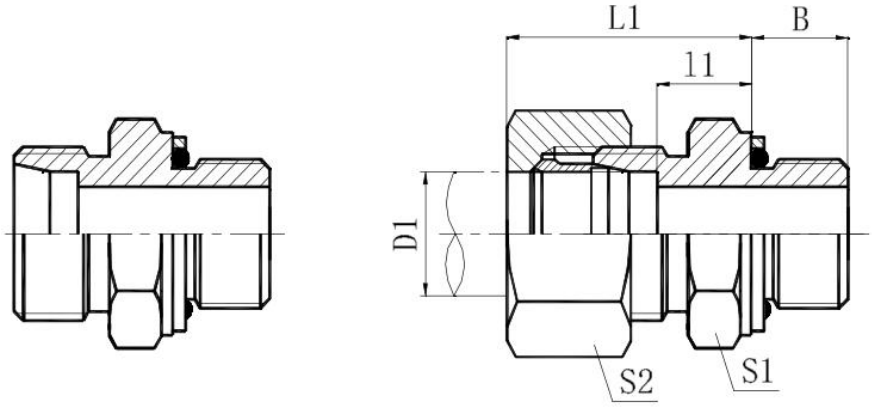
1CG Dimension sheet of BSPP Male Stud Fitting with O-ring and Retaining Ring seal type



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

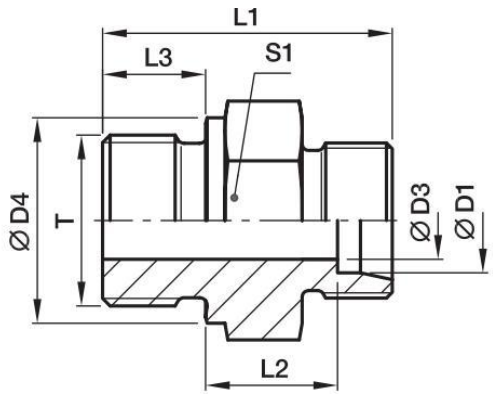
1DG Dimension sheet of BSPP Male Stud Fittings with O-ring and Retaining Ring seal type

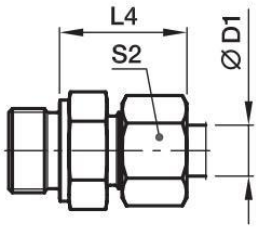


REF: ISO 8434-1/ DIN 3861/ISO 1179-3; The function same to Parker **GE-R-ED** series, also ca n be instead of 1DB-WD

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



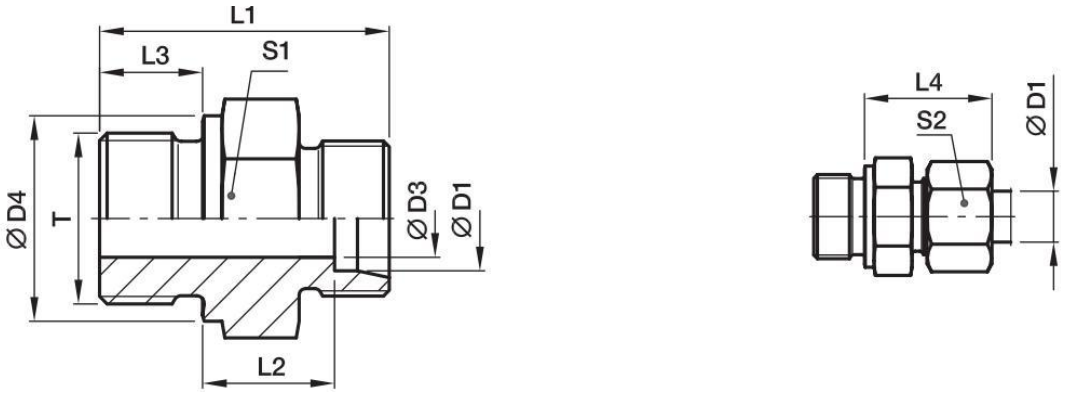


REF: ISO 8434-1/ DIN 3861/ISO 1179-4; The function same to Parker **GE-R** series

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

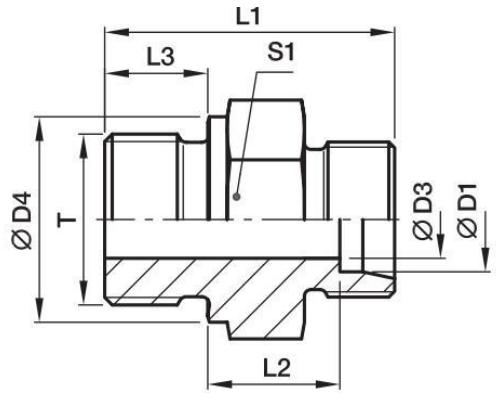
1DB-B Dimension sheet of BSPP Male Stud Fittings with Metal Edge seal type

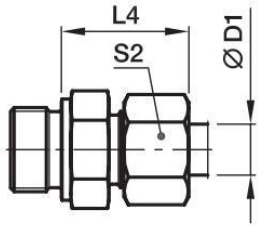


PART NO.	PARKER NO.	D1	T	D3	D4	L1	L2	L3	L4	S1	S2	Weight g/1 piece
1DB-14-04B	GE06SR	6	G1/4A	4	18	32	13	12	28	19	17	35
1DB-14-02B	GE06SR1/8	6	G1/8A	3	14	27.5	12.5	8	27	14	17	22
1DB-14-06B	GE06SR3/8	6	G3/8A	4	22	34.5	15.5	12	30	22	17	57
1DB-14-08B	GE06SR1/2	6	G1/2A	4	26	39	18	14	33	27	17	83
1DB-16-04B	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

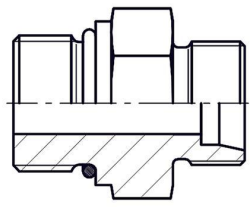
DIN HYDRAULIC FITTINGS DIN 2353/ISO 8434-1 SWIVEL

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



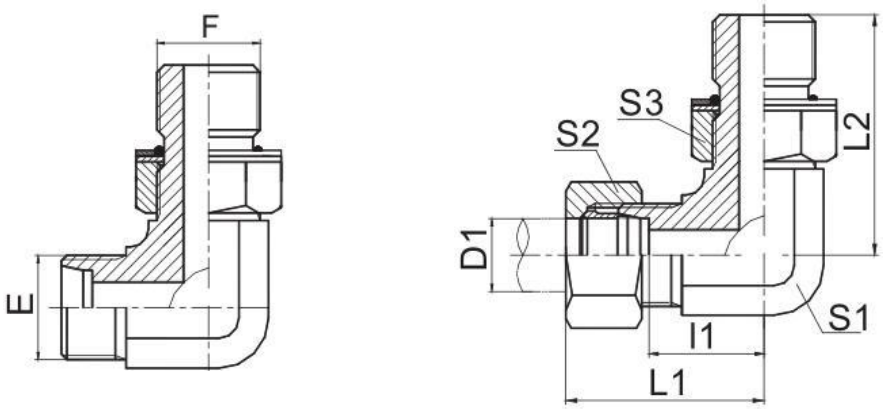


1CG-JIS and 1DG-JIS Dimension sheet of BSPP Male stud fitting with O-ring JIS B2351



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

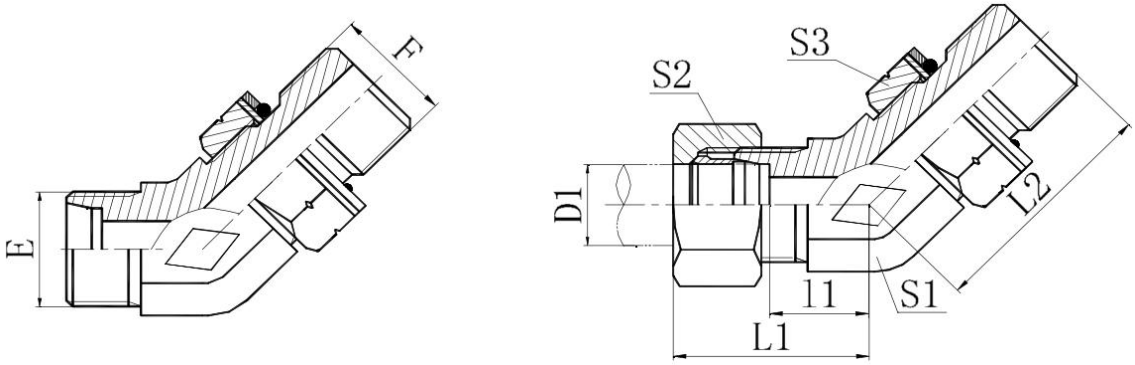
1CG9/1DG9-OG Adjustable Locknut Elbow Fittings



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

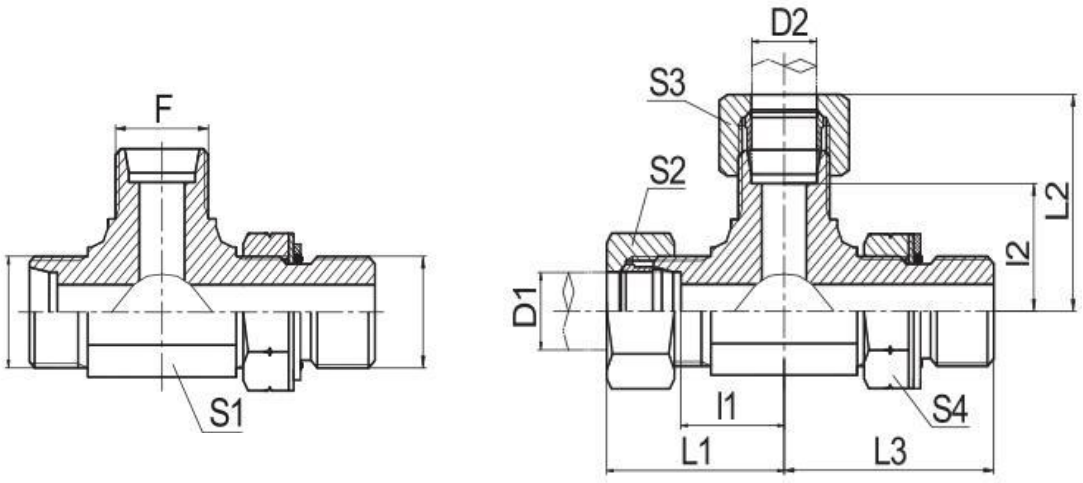


REF: ISO 8434-1/ DIN 3861/ISO 1179-3; The function same to Parker VEE-R series

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

DIN HYDRAULIC FITTINGS DIN 2353/ISO 8434-1 SWIVEL

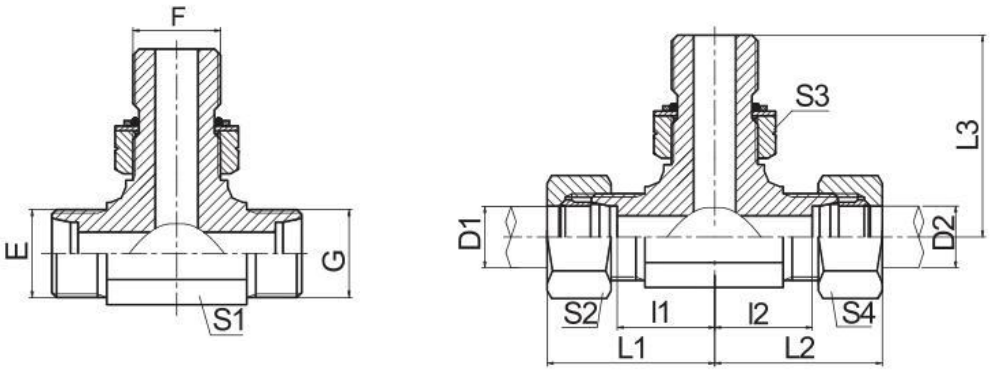
ACCG-OG / ADDG-OG Dimension sheet of Run Tee BSPP thread with O-ring and Retaining Ring



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

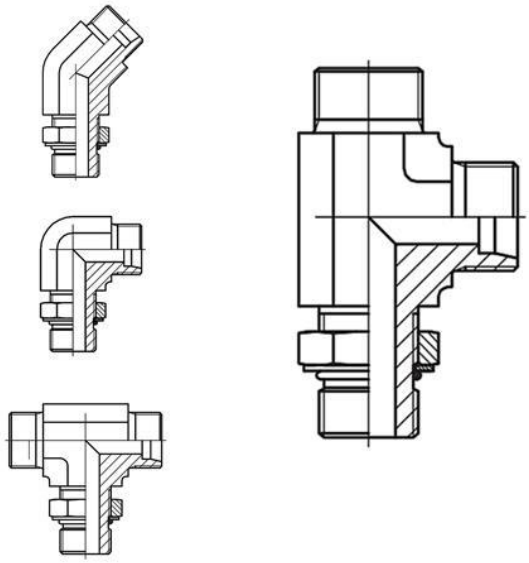
ACGC-OG / ADGD-OG Branch Tee Fittings Adjustable



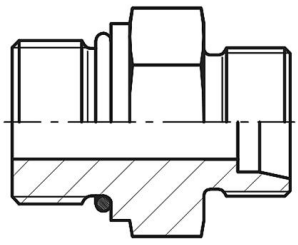
ISO 8434-1 24 degree cone to ISO 1179-3 male stud end, Parker TEE-R series equal.

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

DIN SAE ORB Stud Fitting/SAE Stud Connector



From 24 Degree Cone to SAE ORB Stud Fittings



SAE UNF STUD TYPES:

ISO 11926-2 Heavy-Duty S series Stud Ends

ISO 11926-3 Light-Duty L Series Stud Ends

Shapes of SAE ORB Stud Fittings

Straight Stud Connector

Straight Swivel 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

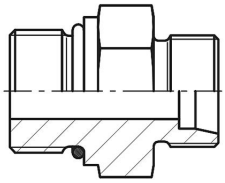
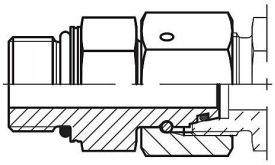
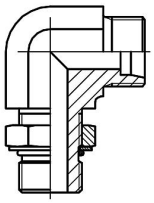
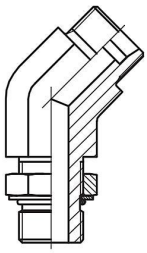
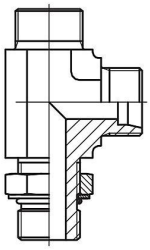
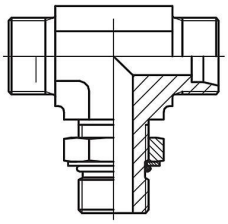
DIN SAE ORB Male Stud Fittings Introduction

This male stud connector is from DIN 24 degree cone tube end to UNF SAE ORB stud ends, O-ring sealing meet ISO 11926-2 / SAE J1926-2 (S series) and ISO 11926-3 / SAE J1926-3(L series).

It will be matched with ISO 725 threads port by O-ring seal in truncated housing. 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:

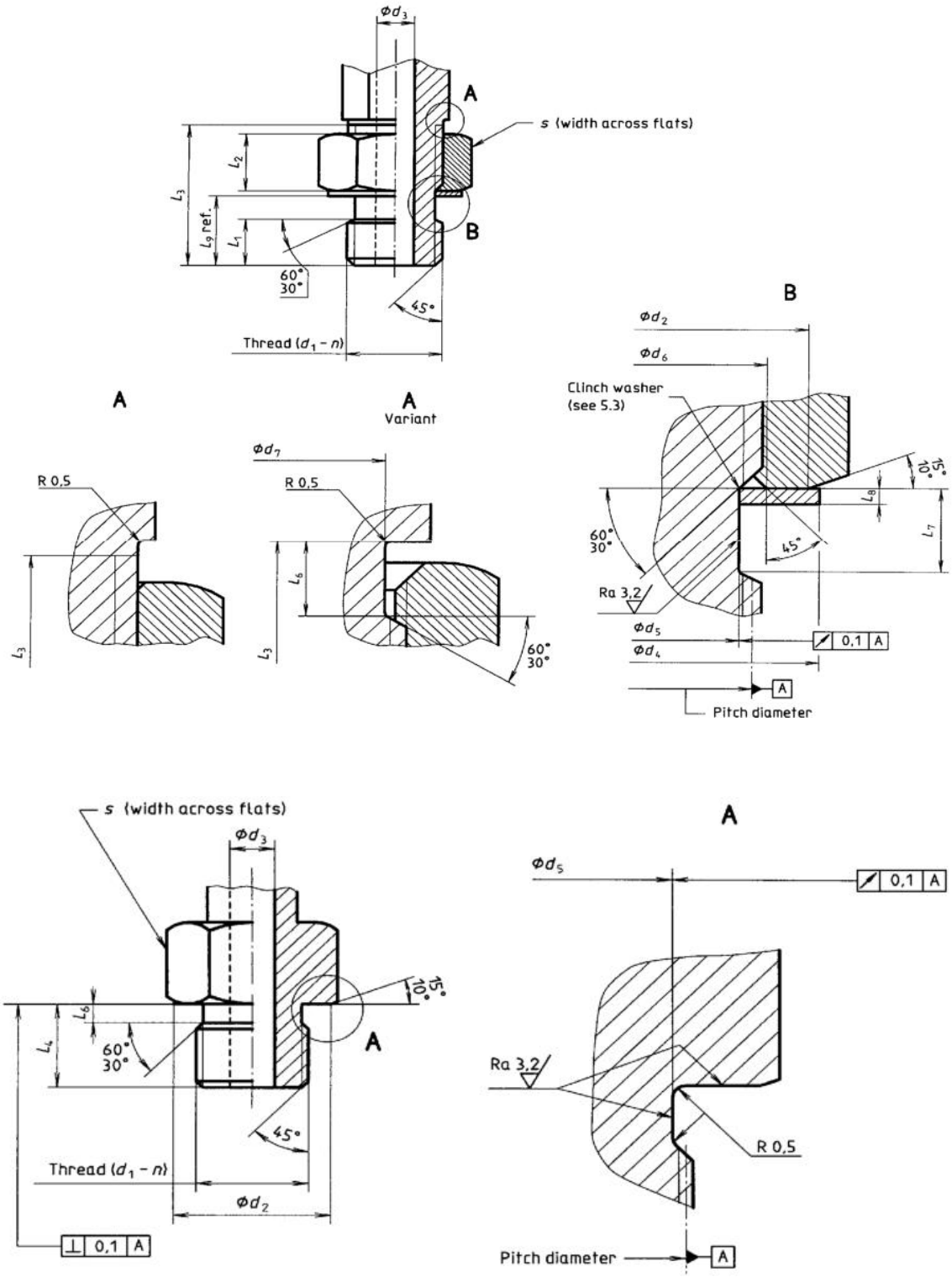
GE-UNF/1CO 	EGE-UNF/2OC 	WEE-UNF / 1CO9 
VEE-UNF / 1CO4 	LEE-UNF / ACCO 	TEE-UNF / ACOC 

Advantage Of Different SAE UNF Male Stud Fittings

Port End Type and Seal Style	Illustration	Pressure Dynamic	Pressure Static	Temperature	Positioning	Contamination	Seal Reliability	Reusability	Fluid Compatibility
O-Ring in Chamfer IAO 11926-1		Excellent	Excellent	Limited by Seal	Excellent	Very Good	Excellent	Excellent	Limited by Seal

Dimensions Of SAE UNF Male Stud Fittings

1. ISO 11926-2 / SAE J1926-2 Heavy duty S series stud ends(Adjustable End/ non-Adjustable)



Dimension of Heavy duty Stud Ends

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

Dimensions in millimetres

Thread[1] $(d_1 - n)$	d_2	d_3		d_4	d_5	d_6	d_7	d_8	L_1	L_2	L_3	L_4	L_6	L_7	L_8	L_9	s_1	s_2
	± 0,2	nom.	tol.	± 0,4	+0,05 −0,06	± 0,2	0 −0,3	± 0,2	± 0,2	± 0,2	min.	± 0,2	± 0,15	± 0,1	± 0,08	ref.		min.
3/8-24 UNF-2A	11,8	3,2	+0,18 0	14,6	7,95	9,9	8	13,8	7	7,2	18,8	9,5	1,75	3,4	0,8	9,6	14	12
7/16-20 UNF-2A	13,8	4,5	+0,18 0	16,5	9,25	11,5	9,3	16,8	8,2	8	20,5	11	2,05	4,1	0,9	11	17	14
1/2-20 UNF-2A	16,8	6	+0,18 0	18,3	10,85	13	10,9	16,8	8,2	8	22,4	11	2,05	4,1	0,9	11	17	17
9/16-18 UNF-2A	16,8	7,5	+0,22 0	20,2	12,24	14,6	12,3	18,8	9	8,5	22,4	12	2,05	4,1	0,9	12,2	19	17
3/4-16 UNF-2A	21,8	10	+0,22 0	25,7	16,76	19,4	16,8	23,8	10	10,3	26,1	14	2,25	4,9	1	13,9	24	22
7/8-14 UNF-2A	26,8	12,5	+0,27 0	29,3	19,63	22,6	19,7	26,8	11,8	11,5	30,2	16	2,85	5,7	1,25	16,3	27	27
1 1/16-12 UN-2A	31,8	15,5	+0,27 0	36,7	24	27,3	24	35,8	13,8	12,8	33,8	18,5	3,35	6	1,25	18,6	36	32
1 3/16-12 UN-2A	35,8	18	+0,27 0	40,4	27,18	30,5	27,2	40,8	13,8	12,8	33,8	18,5	3,35	6	1,25	18,6	41	36
1 5/16-12 UN-2A	40,8	21,5	+0,33 0	44	30,35	33,7	30,4	40,8	13,8	13,6	34,6	18,5	3,35	6	1,25	18,6	41	41
1 5/8-12 UN-2A	49,8	27,5	+0,33 0	55	38,28	41,6	38,3	48,8	13,8	13,6	34,6	18,5	3,35	6	1,25	18,6	50	50
1 7/8-12 UN-2A	54,8	33,5	+0,39 0	62,3	44,6	48	44,6	54,8	13,8	13,6	34,6	18,5	3,35	6	1,25	18,6	55	55

1) See ISO 725 for basic dimensions, and ISO 5864 for the tolerance class (2A).

2. Dimension of ISO 11926-3 / SAE J1926-3 Light duty L series stud ends(Adjustable End/ non-Adjustable)

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

Dimensions in millimetres

Thread[1] $(d_1 - n)$	d_2	d_3		d_4	d_5	d_6	d_7	L_1	L_2	L_3	L_4	L_6	L_7	L_8	L_9	s
	± 0,2	nom.	tol.	± 0,4	+0,05 −0,08	± 0,2	0 −0,3	± 0,2	± 0,2	min.	± 0,2	± 0,15	± 0,1	± 0,08	ref.	
3/8-24 UNF-2A	11,8	3,2	+0,18 0	14,6	7,95	9,9	8	5,9	5,6	15,5	7,5	1,75	3,4	0,8	9,5	12
7/16-20 UNF-2A	13,8	4,5	+0,18 0	16,5	9,25	11,5	9,3	6,7	7,1	18,5	9,1	2,05	4,1	0,9	10,9	14
1/2-20 UNF-2A	16,8	6	+0,18 0	18,3	10,85	13	10,9	6,7	7,1	18,5	9,1	2,05	4,1	0,9	10,9	17
9/16-18 UNF-2A	16,8	7,5	+0,22 0	20,2	12,24	14,6	12,3	7,9	6,9	19,6	10	2,05	4,1	0,9	12,1	17
3/4-16 UNF-2A	21,8	10	+0,22 0	25,7	16,76	19,4	16,8	8,7	7,9	22,4	11,1	2,25	4,8	1	13,8	22
7/8-14 UNF-2A	26,8	12,5	+0,27 0	29,3	19,63	22,6	19,7	10	9,1	25,9	12,7	2,85	5,7	1,25	16,1	27
1 1/16-12 UN-2A	31,8	15,5	+0,27 0	36,7	24	27,3	24	12	10,4	29,5	15,1	3,35	6	1,25	18,4	32
1 3/16-12 UN-2A	35,8	18	+0,27 0	40,4	27,18	30,5	27,2	12	10,4	29,5	15,1	3,35	6	1,25	18,4	36
1 5/16-12 UN-2A	40,8	21,5	+0,33 0	44	30,35	33,7	30,4	12	10,4	29,5	15,1	3,35	6	1,25	18,4	41
1 5/8-12 UN-2A	49,8	27,5	+0,33 0	55	38,28	41,6	38,3	12	10,4	29,5	15,1	3,35	6	1,25	18,4	50
1 7/8-12 UN-2A	54,8	33,5	+0,39 0	62,3	44,6	48	44,6	12	10,4	29,5	15,1	3,35	6	1,25	18,4	55
2 1/2-12 UN-2A	69,8	45	+0,39 0	80,3	60,48	63,8	60,5	12	10,4	29,5	15,1	3,35	6	1,25	18,4	70

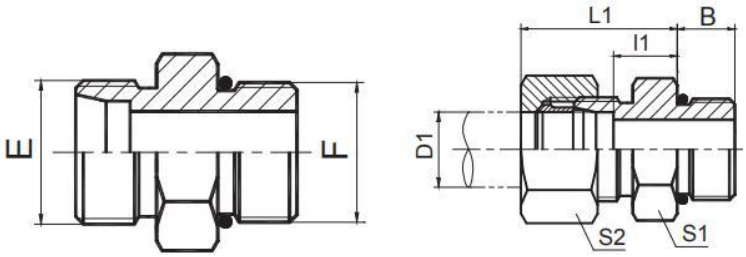
1) See ISO 725 for basic dimensions, and ISO 5864 for the tolerance class (2A).

DIN TO SAE ORB STUD CONNECTOR CATAGLOG AS FOLLOWS:

1CO / 1DO Straight Connector

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

DIN 24° cone end/Male UNF thread O-ring (ISO 11926), Parker GE-UNF/UN male stud connector



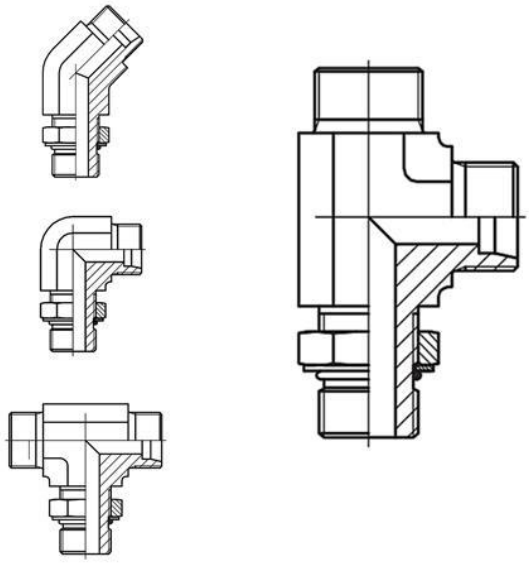
Part No.	Parker No.	E	F		B	l1	L1	S1	S2	g/1 pc
L SERIES										
1CO-14-04	**GE08L7/16UNFOMD**	M14X1.5	7/16"X20	8	9.1	8.4	25	14	17	21
1CO-16-04	**GE10L7/16UNFOMD**	M16X1.5	7/16"X20	10	9.1	9.4	26	17	19	23
1CO-18-06	**GE12L9/16UNFOMD**	M18X1.5	9/16"X18	12	9.93	10.07	26	19	22	32
1CO-18-08	**GE12L3/4UNFOMD**	M18X1.5	3/4"X16	12	11.13	10.37	28	22	22	52
1CO-18-10	**GE12L7/8UNFOMD**	M18X1.5	7/8"X14	12	12.7	13.8	29	27	22	77
1CO-22-08	**GE15L3/4UNFOMD**	M22X1.5	3/4"X16	15	11.13	14.87	29	24	27	57
1CO-22-10	**GE15L7/8UNFOMD**	M22X1.5	7/8"X14	15	12.7	12.3	30	27	27	81
1CO-22-12	**GE15L11/16UNFOMD**	M22X1.5	1.1/16"X12	15	15.09	11.91	30	32	27	85
1CO-26-08	**GE18L3/4UNFOMD**	M26X1.5	3/4"X16	18	11.13	15	31	27	32	68
1CO-26-10	**GE18L7/8UNFOMD**	M26X1.5	7/8"X14	18	12.7	11.5	31	27	32	72
1CO-30-08	**GE22L3/4UNFOMD**	M30X2	3/4"X16	18	11.13	17.37	33	32	36	93
1CO-30-10	**GE22L7/8UNFOMD**	M30X2	7/8"X14	22	12.7	17.3	33	32	36	94
1CO-30-12	**GE22L11/16UNOMD**	M30X2	1.1/16"X12	22	15.09	13.51	33	32	36	103
1CO-30-16	**GE22L15/16UNOMD**	M30X2	1.5/16"X12	22	15.09	14.41	34	38	36	163
1CO-36-12	**GE28L11/16UNOMD**	M36X2	1.1/16"X12	28	15.09	17.91	34	38	41	152
1CO-36-16	**GE28L15/16UNOMD**	M36X2	1.5/16"X12	28	15.09	14.41	34	41	41	163
1CO-45-16	**GE35L15/16UNOMD**	M45X2	1.5/16"X12	35	15.09	22.41	39	46	50	222
1CO-45-20	**GE35L15/8UNOMD**	M45X2	1.5/8"X12	35	15.09	16.41	39	50	50	257
1CO-52-20	**GE42L15/8UNOMD**	M52X2	1.5/8"X12	42	15.09	19.91	42	55	60	339
S SERIES										
1DO-16-04	**GE08S7/16UNFOMD**	M16X1.5	7/16"X20	8	11	12.9	30	17	19	33
1DO-18-06	**GE10S9/16UNFOMD**	M18X1.5	9/16"X18	10	9.93	12.57	31	19	22	42
1DO-20-06	**GE12S9/16UNFOMD**	M20X1.5	9/16"X18	12	9.93	16.57	31	22	24	50
1DO-20-08	**GE12S3/4UNFOMD**	M20X1.5	3/4"X16	12	11.13	17.87	34	24	24	73
1DO-24-08	**GE16S3/4UNFOMD**	M24X1.5	3/4"X16	16	11.13	18.37	34	24	30	90
1DO-24-10	**GE16S7/8UNFOMD**	M24X1.5	7/8"X14	16	12.7	18.8	37	27	30	95
1DO-30-08	**GE20S3/4UNFOMD**	M30X2	3/4"X16	20	11.13	20.87	42	32	36	132
1DO-30-10	**GE20S7/8UNFOMD**	M30X2	7/8"X14	20	12.7	20.3	42	32	36	141
1DO-30-12	**GE20S11/16UNOMD**	M30X2	1.1/16"X12	20	15.09	17.41	42	32	36	163
1DO-36-12	**GE25S11/16UNOMD**	M36X2	1.1/16"X12	25	15.09	21.91	47	41	46	206
1DO-36-16	**GE25S15/16UNOMD**	M36X2	1.5/16"X12	25	15.09	19.91	47	41	46	258
1DO-42-16	**GE30S15/16UNOMD**	M42X2	1.5/16"X12	30	15.09	22.41	50	46	50	327
1DO-42-20	**GE30S15/8UNOMD**	M42X2	1.5/8"X12	30	15.09	20.41	50	50	50	422
1DO-52-20	**GE38S15/8UNOMD**	M52X2	1.5/8"X12	38	15.09	25.91	53.9	55	60	554

1CO4-OG 1DO4-OG 45 DEGREE ADJUSTABLE LOCKNUT ELBOW

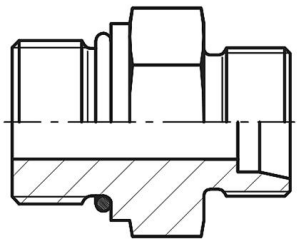
DIN 24° cone end/Adjustable UNF thread O-ring (ISO 11926), Parker VEE-UNF/UN

Part No.	Parker No.	E	F	D1	O RING	A	B	S1	S2	g/1 pc
L SERIES										
1CO4-14-04OG	VEE08L7/16UNFOMD	M14X1.5	7/16"X20	8	O904 N90	20.8	26	14	17	39
1CO4-16-04OG	VEE10L7/16UNFOMD	M16X1.5	7/16"X20	10	O904 N90	21.5	26.5	16	17	58
1CO4-18-06OG	VEE12L9/16UNFOMD	M18X1.5	9/16"X18	12	O906 N90	22.5	28.5	19	19	73
1CO4-18-08OG	VEE12L3/4UNFOMD	M18X1.5	3/4"X16	12	O908 N90	22.5	31.5	19	24	91
1CO4-18-10OG	VEE12L7/8UNFOMD	M18X1.5	7/8"X14	12	O910 N90	23.5	38			

DIN SAE ORB Stud Fitting/SAE Stud Connector



From 24 Degree Cone to SAE ORB Stud Fittings



SAE UNF STUD TYPES:

ISO 11926-2 Heavy-Duty S series Stud Ends

ISO 11926-3 Light-Duty L Series Stud Ends

Shapes of SAE ORB Stud Fittings

Straight Stud Connector

Straight Swivel 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

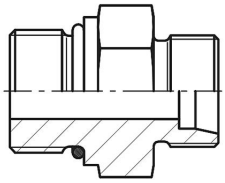
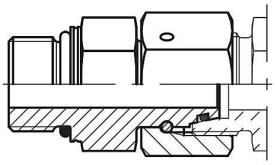
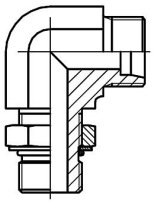
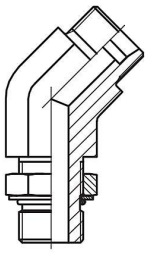
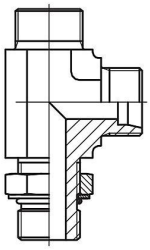
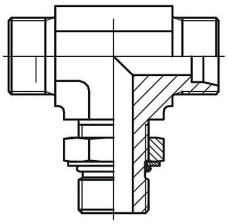
DIN SAE ORB Male Stud Fittings Introduction

This male stud connector is from DIN 24 degree cone tube end to UNF SAE ORB stud ends, O-ring sealing meet ISO 11926-2 / SAE J1926-2 (S series) and ISO 11926-3 / SAE J1926-3(L series).

It will be matched with ISO 725 threads port by O-ring seal in truncated housing. 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:

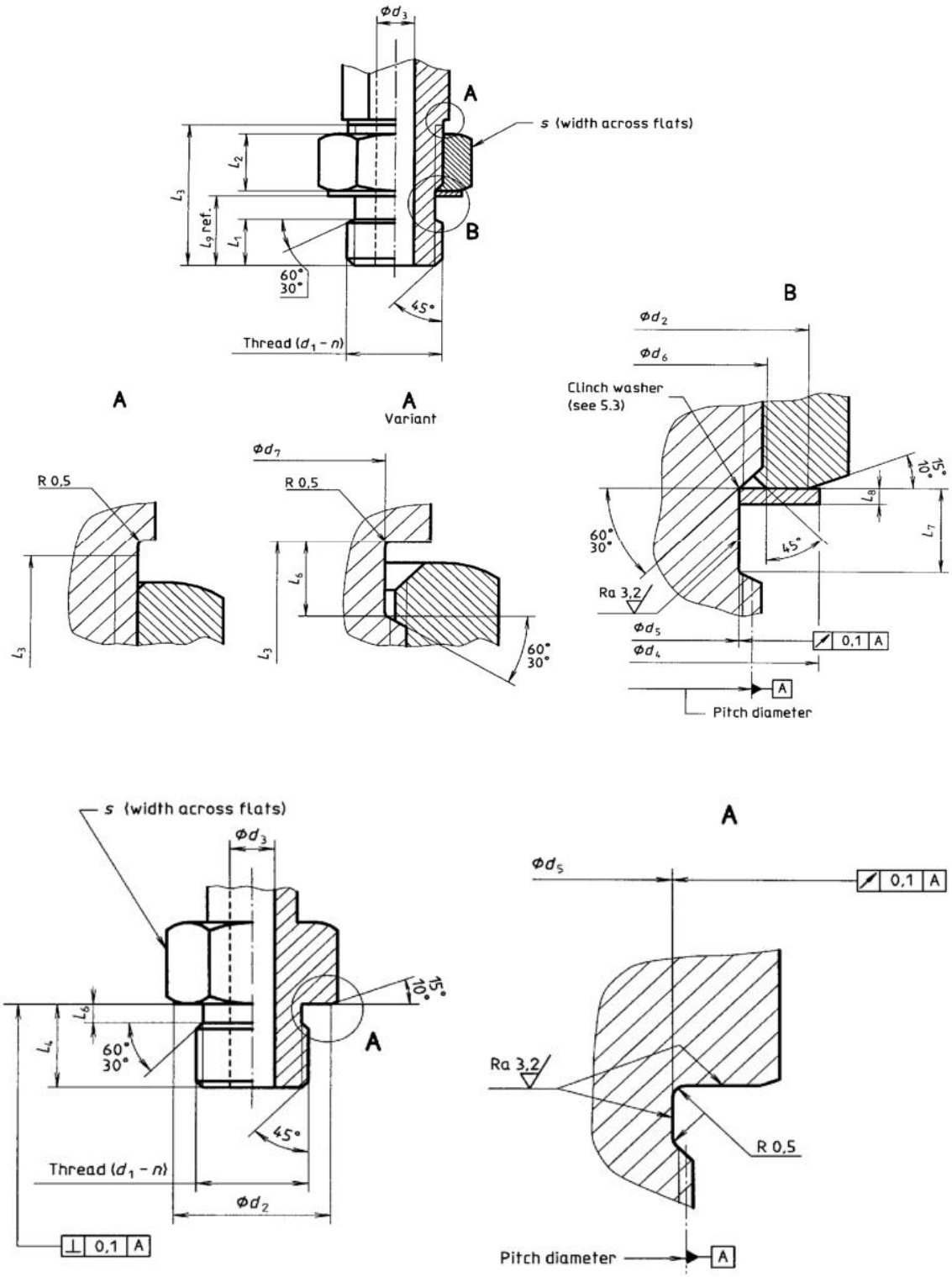
GE-UNF/1CO 	EGE-UNF/2OC 	WEE-UNF / 1CO9 
VEE-UNF / 1CO4 	LEE-UNF / ACCO 	TEE-UNF / ACOC 

Advantage Of Different SAE UNF Male Stud Fittings

Port End Type and Seal Style	Illustration	Pressure Dynamic	Pressure Static	Temperature	Positioning	Contamination	Seal Reliability	Reusability	Fluid Compatibility
O-Ring in Chamfer IAO 11926-1		Excellent	Excellent	Limited by Seal	Excellent	Very Good	Excellent	Excellent	Limited by Seal

Dimensions Of SAE UNF Male Stud Fittings

1. ISO 11926-2 / SAE J1926-2 Heavy duty S series stud ends(Adjustable End/ non-Adjustable)



Dimension of Heavy duty Stud Ends

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

Dimensions in millimetres

Thread[1] $(d_1 - n)$	d_2	d_3		d_4	d_5	d_6	d_7	d_8	L_1	L_2	L_3	L_4	L_6	L_7	L_8	L_9	s_1	s_2
	± 0,2	nom.	tol.	± 0,4	+0,05 −0,06	± 0,2	0 −0,3	± 0,2	± 0,2	± 0,2	min.	± 0,2	± 0,15	± 0,1	± 0,08	ref.		min.
3/8-24 UNF-2A	11,8	3,2	+0,18 0	14,6	7,95	9,9	8	13,8	7	7,2	18,8	9,5	1,75	3,4	0,8	9,6	14	12
7/16-20 UNF-2A	13,8	4,5	+0,18 0	16,5	9,25	11,5	9,3	16,8	8,2	8	20,5	11	2,05	4,1	0,9	11	17	14
1/2-20 UNF-2A	16,8	6	+0,18 0	18,3	10,85	13	10,9	16,8	8,2	8	22,4	11	2,05	4,1	0,9	11	17	17
9/16-18 UNF-2A	16,8	7,5	+0,22 0	20,2	12,24	14,6	12,3	18,8	9	8,5	22,4	12	2,05	4,1	0,9	12,2	19	17
3/4-16 UNF-2A	21,8	10	+0,22 0	25,7	16,76	19,4	16,8	23,8	10	10,3	26,1	14	2,25	4,9	1	13,9	24	22
7/8-14 UNF-2A	26,8	12,5	+0,27 0	29,3	19,63	22,6	19,7	26,8	11,8	11,5	30,2	16	2,85	5,7	1,25	16,3	27	27
1 1/16-12 UN-2A	31,8	15,5	+0,27 0	36,7	24	27,3	24	35,8	13,8	12,8	33,8	18,5	3,35	6	1,25	18,6	36	32
1 3/16-12 UN-2A	35,8	18	+0,27 0	40,4	27,18	30,5	27,2	40,8	13,8	12,8	33,8	18,5	3,35	6	1,25	18,6	41	36
1 5/16-12 UN-2A	40,8	21,5	+0,33 0	44	30,35	33,7	30,4	40,8	13,8	13,6	34,6	18,5	3,35	6	1,25	18,6	41	41
1 5/8-12 UN-2A	49,8	27,5	+0,33 0	55	38,28	41,6	38,3	48,8	13,8	13,6	34,6	18,5	3,35	6	1,25	18,6	50	50
1 7/8-12 UN-2A	54,8	33,5	+0,39 0	62,3	44,6	48	44,6	54,8	13,8	13,6	34,6	18,5	3,35	6	1,25	18,6	55	55

1) See ISO 725 for basic dimensions, and ISO 5864 for the tolerance class (2A).

2. Dimension of ISO 11926-3 / SAE J1926-3 Light duty L series stud ends(Adjustable End/ non-Adjustable)

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

Dimensions in millimetres

Thread[1] $(d_1 - n)$	d_2	d_3		d_4	d_5	d_6	d_7	L_1	L_2	L_3	L_4	L_6	L_7	L_8	L_9	s
	± 0,2	nom.	tol.	± 0,4	+0,05 −0,08	± 0,2	0 −0,3	± 0,2	± 0,2	min.	± 0,2	± 0,15	± 0,1	± 0,08	ref.	
3/8-24 UNF-2A	11,8	3,2	+0,18 0	14,6	7,95	9,9	8	5,9	5,6	15,5	7,5	1,75	3,4	0,8	9,5	12
7/16-20 UNF-2A	13,8	4,5	+0,18 0	16,5	9,25	11,5	9,3	6,7	7,1	18,5	9,1	2,05	4,1	0,9	10,9	14
1/2-20 UNF-2A	16,8	6	+0,18 0	18,3	10,85	13	10,9	6,7	7,1	18,5	9,1	2,05	4,1	0,9	10,9	17
9/16-18 UNF-2A	16,8	7,5	+0,22 0	20,2	12,24	14,6	12,3	7,9	6,9	19,6	10	2,05	4,1	0,9	12,1	17
3/4-16 UNF-2A	21,8	10	+0,22 0	25,7	16,76	19,4	16,8	8,7	7,9	22,4	11,1	2,25	4,8	1	13,8	22
7/8-14 UNF-2A	26,8	12,5	+0,27 0	29,3	19,63	22,6	19,7	10	9,1	25,9	12,7	2,85	5,7	1,25	16,1	27
1 1/16-12 UN-2A	31,8	15,5	+0,27 0	36,7	24	27,3	24	12	10,4	29,5	15,1	3,35	6	1,25	18,4	32
1 3/16-12 UN-2A	35,8	18	+0,27 0	40,4	27,18	30,5	27,2	12	10,4	29,5	15,1	3,35	6	1,25	18,4	36
1 5/16-12 UN-2A	40,8	21,5	+0,33 0	44	30,35	33,7	30,4	12	10,4	29,5	15,1	3,35	6	1,25	18,4	41
1 5/8-12 UN-2A	49,8	27,5	+0,33 0	55	38,28	41,6	38,3	12	10,4	29,5	15,1	3,35	6	1,25	18,4	50
1 7/8-12 UN-2A	54,8	33,5	+0,39 0	62,3	44,6	48	44,6	12	10,4	29,5	15,1	3,35	6	1,25	18,4	55
2 1/2-12 UN-2A	69,8	45	+0,39 0	80,3	60,48	63,8	60,5	12	10,4	29,5	15,1	3,35	6	1,25	18,4	70

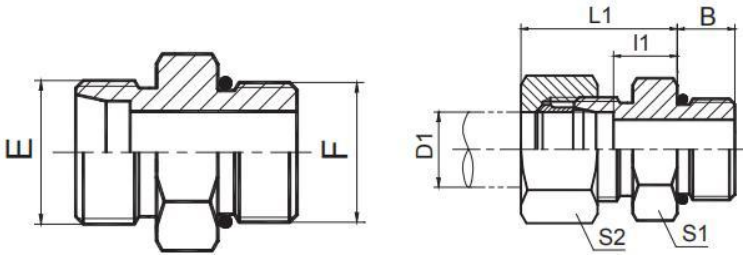
1) See ISO 725 for basic dimensions, and ISO 5864 for the tolerance class (2A).

DIN TO SAE ORB STUD CONNECTOR CATAGLOG AS FOLLOWS:

1CO / 1DO Straight Connector

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

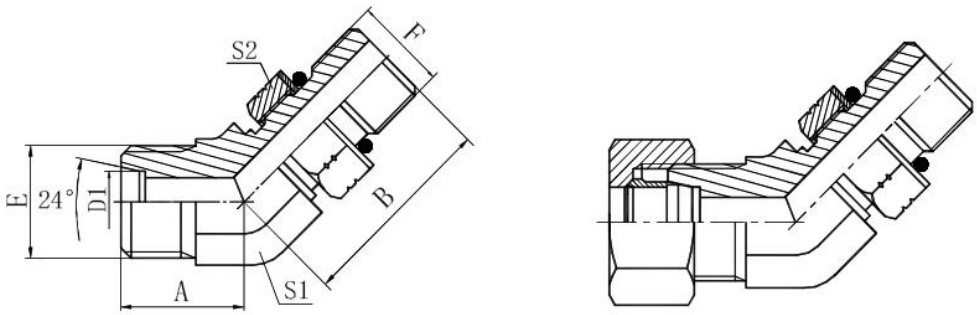
DIN 24° cone end/Male UNF thread O-ring (ISO 11926), Parker GE-UNF/UN male stud connector



Part No.	Parker No.	E	F		B	l1	L1	S1	S2	g/1 pc
L SERIES										
1CO-14-04	**GE08L7/16UNFOMD**	M14X1.5	7/16"X20	8	9.1	8.4	25	14	17	21
1CO-16-04	**GE10L7/16UNFOMD**	M16X1.5	7/16"X20	10	9.1	9.4	26	17	19	23
1CO-18-06	**GE12L9/16UNFOMD**	M18X1.5	9/16"X18	12	9.93	10.07	26	19	22	32
1CO-18-08	**GE12L3/4UNFOMD**	M18X1.5	3/4"X16	12	11.13	10.37	28	22	22	52
1CO-18-10	**GE12L7/8UNFOMD**	M18X1.5	7/8"X14	12	12.7	13.8	29	27	22	77
1CO-22-08	**GE15L3/4UNFOMD**	M22X1.5	3/4"X16	15	11.13	14.87	29	24	27	57
1CO-22-10	**GE15L7/8UNFOMD**	M22X1.5	7/8"X14	15	12.7	12.3	30	27	27	81
1CO-22-12	**GE15L11/16UNFOMD**	M22X1.5	1.1/16"X12	15	15.09	11.91	30	32	27	85
1CO-26-08	**GE18L3/4UNFOMD**	M26X1.5	3/4"X16	18	11.13	15	31	27	32	68
1CO-26-10	**GE18L7/8UNFOMD**	M26X1.5	7/8"X14	18	12.7	11.5	31	27	32	72
1CO-30-08	**GE22L3/4UNFOMD**	M30X2	3/4"X16	18	11.13	17.37	33	32	36	93
1CO-30-10	**GE22L7/8UNFOMD**	M30X2	7/8"X14	22	12.7	17.3	33	32	36	94
1CO-30-12	**GE22L11/16UNOMD**	M30X2	1.1/16"X12	22	15.09	13.51	33	32	36	103
1CO-30-16	**GE22L15/16UNOMD**	M30X2	1.5/16"X12	22	15.09	14.41	34	38	36	163
1CO-36-12	**GE28L11/16UNOMD**	M36X2	1.1/16"X12	28	15.09	17.91	34	38	41	152
1CO-36-16	**GE28L15/16UNOMD**	M36X2	1.5/16"X12	28	15.09	14.41	34	41	41	163
1CO-45-16	**GE35L15/16UNOMD**	M45X2	1.5/16"X12	35	15.09	22.41	39	46	50	222
1CO-45-20	**GE35L15/8UNOMD**	M45X2	1.5/8"X12	35	15.09	16.41	39	50	50	257
1CO-52-20	**GE42L15/8UNOMD**	M52X2	1.5/8"X12	42	15.09	19.91	42	55	60	339
S SERIES										
1DO-16-04	**GE08S7/16UNFOMD**	M16X1.5	7/16"X20	8	11	12.9	30	17	19	33
1DO-18-06	**GE10S9/16UNFOMD**	M18X1.5	9/16"X18	10	9.93	12.57	31	19	22	42
1DO-20-06	**GE12S9/16UNFOMD**	M20X1.5	9/16"X18	12	9.93	16.57	31	22	24	50
1DO-20-08	**GE12S3/4UNFOMD**	M20X1.5	3/4"X16	12	11.13	17.87	34	24	24	73
1DO-24-08	**GE16S3/4UNFOMD**	M24X1.5	3/4"X16	16	11.13	18.37	34	24	30	90
1DO-24-10	**GE16S7/8UNFOMD**	M24X1.5	7/8"X14	16	12.7	18.8	37	27	30	95
1DO-30-08	**GE20S3/4UNFOMD**	M30X2	3/4"X16	20	11.13	20.87	42	32	36	132
1DO-30-10	**GE20S7/8UNFOMD**	M30X2	7/8"X14	20	12.7	20.3	42	32	36	141
1DO-30-12	**GE20S11/16UNOMD**	M30X2	1.1/16"X12	20	15.09	17.41	42	32	36	163
1DO-36-12	**GE25S11/16UNOMD**	M36X2	1.1/16"X12	25	15.09	21.91	47	41	46	206
1DO-36-16	**GE25S15/16UNOMD**	M36X2	1.5/16"X12	25	15.09	19.91	47	41	46	258
1DO-42-16	**GE30S15/16UNOMD**	M42X2	1.5/16"X12	30	15.09	22.41	50	46	50	327
1DO-42-20	**GE30S15/8UNOMD**	M42X2	1.5/8"X12	30	15.09	20.41	50	50	50	422
1DO-52-20	**GE38S15/8UNOMD**	M52X2	1.5/8"X12	38	15.09	25.91	53.9	55	60	554

1CO4-OG 1DO4-OG 45 DEGREE ADJUSTABLE LOCKNUT ELBOW

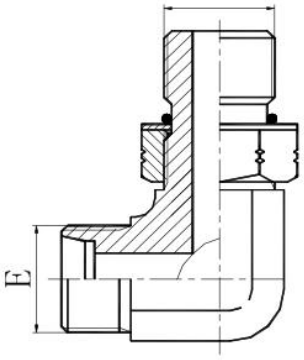
DIN 24° cone end/Adjustable UNF thread O-ring (ISO 11926), Parker VEE-UNF/UN

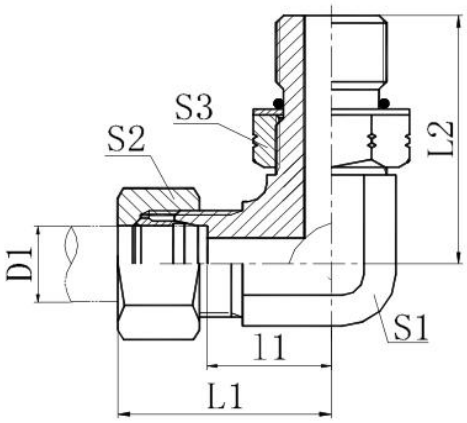


Part No.	Parker No.	E	F	D1	O RING	A	B	S1	S2	g/1 pc
L SERIES										
1CO4-14-04OG	VEE08L7/16UNFOMD	M14X1.5	7/16"X20	8	O904 N90	20.8	26	14	17	39
1CO4-16-04OG	VEE10L7/16UNFOMD	M16X1.5	7/16"X20	10	O904 N90	21.5	26.5	16	17	58
1CO4-18-06OG	VEE12L9/16UNFOMD	M18X1.5	9/16"X18	12	O906 N90	22.5	28.5	19	19	73
1CO4-18-08OG	VEE12L3/4UNFOMD	M18X1.5	3/4"X16	12	O908 N90	22.5	31.5	19	24	91
1CO4-18-10OG	VEE12L7/8UNFOMD	M18X1.5	7/8"X14	12	O910 N90	23.5	38.5	22	27	
1CO4-22-08OG	VEE15L3/4UNFOMD	M22X1.5	3/4"X16	15	O908 N90	23.5	33	22	24	120
1CO4-22-10OG	VEE15L7/8UNFOMD	M22X1.5	7/8"X14	15	O910 N90	23.5	38.5	22	27	140
1CO4-26-08OG	VEE18L3/4UNFOMD	M26X1.5	3/4"X16	18	O908 N90	26.5	34	27	24	
1CO4-26-10OG	VEE18L7/8UNFOMD	M26X1.5	7/8"X14	18	O910 N90	26.5	39.5	27	27	190
1CO4-30-10OG	VEE22L7/8UNOMD	M30X2	7/8"X14	22	O910 N90	31	40.4	30	27	
1CO4-30-12OG	VEE22L11/16UNOMD	M30X2	1.1/16"X12	22	O912 N90	31	44.2	30	32	274
1CO4-30-16OG	VEE22L15/16UNOMD	M30X2	1.5/16"X12	22	O916 N90	32	45.5	33	41	
1CO4-36-12OG	VEE28L11/16UNOMD	M36X2	1.1/16"X12	28	O912 N90	33	47.9	36	32	
1CO4-36-16OG	VEE28L15/16UNOMD	M36X2	1.5/16"X12	28	O916 N90	33	47.9	36	41	402
1CO4-45-20OG	VEE35L15/8UNOMD	M45X2	1.5/8"X12	35	O920 N90	39.5	50	48	50	794
1CO4-52-24OG	VEE42L17/8UNOMD	M52X2	1.7/8"X12	42	O924 N90	42.5	52	55	55	751
S SERIES										
1DO4-16-04OG	VEE08S7/16UNFOMD	M16X1.5	7/16"X20	8	O904 N90	21.8	26.5	16	17	70
1DO4-18-06OG	VEE10S9/16UNFOMD	M18X1.5	9/16"X18	10	O906 N90	22.5	28.5	19	19	78
1DO4-20-06OG	VEE12S9/16UNFOMD	M20X1.5	9/16"X18	12	O906 N90	22.5	28.5	19	19	
1DO4-20-08OG	VEE12S3/4UNFOMD	M20X1.5	3/4"X16	12	O908 N90	22.5	31.5	19	24	124
1DO4-24-08OG	VEE16S3/4UNFOMD	M24X1.5	3/4"X16	16	O908 N90	24.5	32.5	24	24	
1DO4-24-10OG	VEE16S7/8UNFOMD	M24X1.5	7/8"X14	16	O910 N90	24.5	38	24	27	198
1DO4-30-10OG	VEE20S7/8UNOMD	M30X2	7/8"X14	20	O910 N90	32	40.4	30	27	
1DO4-30-12OG	VEE20S11/16UNOMD	M30X2	1.1/16"X12	20	O912 N90	32	44.2	30	32	315
1DO4-36-12OG	VEE25S11/16UNOMD	M36X2	1.1/16"X12	25	O912 N90	35	47.9	36	32	385
1DO4-36-16OG	VEE25S15/16UNOMD	M36X2	1.5/16"X12	25	O916 N90	35	47.9	36	41	
1DO4-42-16OG	VEE30S15/16UNOMD	M42X2	1.5/16"X12	30	O916 N90	37.5	48.5	41	41	
1DO4-42-20OG	VEE30S15/8UNOMD	M42X2	1.5/8"X12	30	O920 N90	37.5	48.5	41	50	815
1DO4-52-24OG	VEE38S17/8UNOMD	M52X2	1.7/8"X12	38	O924 N90	45.5	52	55	55	819

1CO9-OG 1DO9-OG 90 DEGREE ADJUSTABLE LOCKNUT ELBOW

DIN 24° cone end/Adjustable UNF thread O-ring (ISO 11926), Parker WEE-UNF/UN

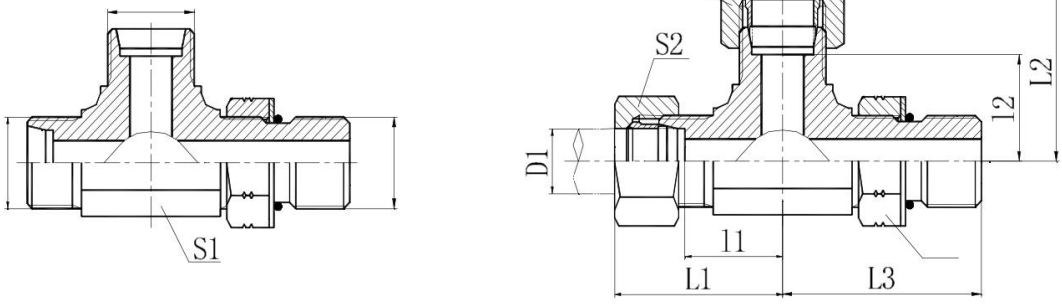




PART NO.	PARKER NO.	E	F	D1	O RING	l1	L1	L2	S1	S2	S3
L SERIES											
1CO9-12-04OG	WEE06L7/16UNFOMD	M12X1.5	7/16"X20	6	O904 N90	13	28	27.2	11	14	17
1CO9-14-06OG	WEE08L9/16UNFOMD	M14X1.5	9/16"X18	8	O906 N90	15.5	30.5	31.8	14	17	19
1CO9-16-06OG	WEE10L9/16UNFOMD	M16X1.5	9/16"X18	10	O906 N90	17.5	32.5	33.3	16	19	19
1CO9-18-08OG	WEE12L3/4UNFOMD	M18X1.5	3/4"X16	12	O908 N90	19	34	37.5	19	22	24
1CO9-22-10OG	WEE15L7/8UNFOMD	M22X1.5	7/8"X14	15	O910 N90	22	37	44	22	27	27
1CO9-22-08OG	WEE15L3/4UNFOMD	M22X1.5	3/4"X16	15	O908 N90	22	37	39.5	22	27	24
1CO9-26-12OG	WEE18L11/16UNOMD	M26X1.5	1.1/16"X12	18	O912 N90	25.5	42	51	27	32	32
1CO9-30-12OG	WEE22L11/16UNOMD	M30X2	1.1/16"X12	22	O912 N90	29.3	45.8	53.5	30	36	32
1CO9-36-12OG	WEE28L11/16UNOMD	M36X2	1.1/16"X12	28	O912 N90	33.5	47.8	57.5	36	41	41
1CO9-36-16OG	WEE28L15/16UNOMD	M36X2	1.5/16"X12	28	O916 N90	33.3	49.8	57.5	36	41	41
1CO9-45-20OG	WEE35L15/8UNOMD	M45X2	1.5/8"X12	35	O920 N90	39.2	60.7	63	48	50	50
1CO9-52-24OG	WEE42L17/8UNOMD	M52X2	1.7/8"X12	42	O924 N90	44.8	67.8	70.5	55	60	55
S SERIES											
1DO9-14-04OG	WEE06S7/16UNFOMD	M14X1.5	7/16"X20	6	O904 N90	17.5	32.5	30	14	17	17
1DO9-16-06OG	WEE08S9/16UNFOMD	M16X1.5	9/16"X18	8	O906 N90	18.7	33.7	33.3	16	19	19
1DO9-18-06OG	WEE10S9/16UNFOMD	M18X1.5	9/16"X18	10	O906 N90	19.5	36	33.5	19	22	19
1DO9-18-08OG	WEE10S3/4UNFOMD	M18X1.5	3/4"X16	10	O908 N90	19.5	36	37.5	19	22	24
1DO9-20-08OG	WEE12S3/4UNFOMD	M20X1.5	3/4"X16	12	O908 N90	19.5	36	37.5	19	24	24
1DO9-22-10OG	WEE14S3/4UNFOMD	M22X1.5	7/8"X14	14	O910 N90	23	41	44	22	27	27
1DO9-24-10OG	WEE16S7/8UNFOMD	M24X1.5	7/8"X14	16	O910 N90	24	42.5	46.5	24	30	27
1DO9-30-12OG	WEE20S11/16UNOMD	M30X2	1.1/16"X12	20	O912 N90	28.3	49.8	53.5	30	36	32
1DO9-36-16OG	WEE25S15/16UNOMD	M36X2	1.5/16"X12	25	O916 N90	32.8	56.8	57.5	36	46	41
1DO9-42-20OG	WEE30S15/8UNOMD	M42X2	1.5/8"X12	30	O920 N90	36.2	62.7	59.5	41	50	50
1DO9-52-24OG	WEE38S17/8UNOMD	M52X2	1.7/8"X12	38	O924 N90	45.8	76.8	70.5	55	60	55

ACCO-OG ADDO-OG RUN TEE ADJUSTABLE LOCKNUT ELBOW

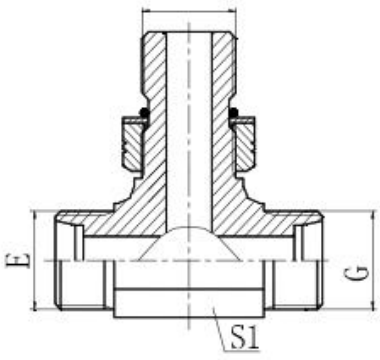
DIN 24° cone end/Adjustable UNF thread O-ring (ISO 11926), Parker LEE-UNF/UN

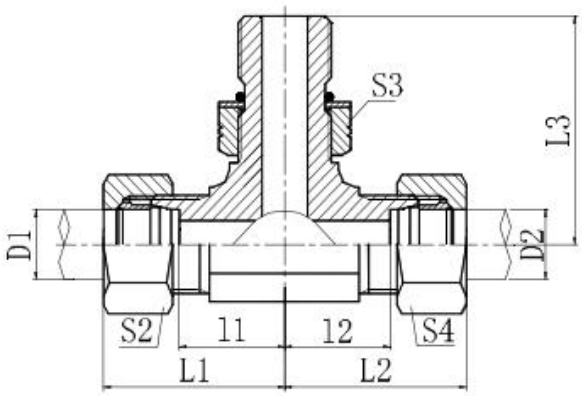


PART NO.	PARKER NO.	E,F	G	D1,D2	O-RING	l1,l2	L1,L2	L3	S1	S2,S3	S4
L SERIES											
ACCO-12-12-04OG	**LEE06L7/16UNFOMD**	M12X1.5	7/16"X20	6	O904	13	28	28	11	14	17
ACCO-14-14-06OG	**LEE08L9/16UNFOMD**	M14X1.5	9/16"X18	8	O906	15.5	30.5	31.32	14	17	19
ACCO-16-16-06OG	**LEE10L9/16UNFOMD**	M16X1.5	9/16"X18	10	O906	17	32.5	33.5	16	19	19
ACCO-18-18-08OG	**LEE12L3/4UNFOMD**	M18X1.5	3/4"X16	12	O908	19	34	37.5	19	22	24
ACCO-22-22-10OG	**LEE15L7/8UNFOMD**	M22X1.5	7/8"X14	15	O910	22	37	44.5	22	27	27
ACCO-26-26-12OG	**LEE18L11/16UNOMD**	M26X1.5	1.1/16"X12	18	O912	25.5	42	51	27	32	32
ACCO-30-30-12OG	**LEE22L11/16UNOMD**	M30X2	1.1/16"X12	22	O912	29.5	45.8	54	30	36	32
ACCO-36-36-16OG	**LEE28L15/16UNOMD**	M36X2	1.5/16"X12	28	O916	33.3	49.8	57.5	36	41	41
ACCO-45-45-20OG	**LEE35L15/8UNOMD**	M45X2	1.5/8"X12	35	O920	39.2	60.7	63	48	50	50
S SERIES											
ADDO-14-14-04OG	**LEE06S7/16UNFOMD**	M14X1.5	7/16"X20	6	O904	17.5	32.5	30	14	17	17
ADDO-16-16-06OG	**LEE08S9/16UNFOMD**	M16X1.5	9/16"X18	8	O906	19	34	33.3	16	19	19
ADDO-18-18-06OG	**LEE10S9/16UNFOMD**	M18X1.5	9/16"X18	10	O906	19.5	36	35	19	22	19
ADDO-20-20-08OG	**LEE12S3/4UNFOMD**	M20X1.5	3/4"X16	12	O908	19.5	36	37.5	19	24	24
ADDO-22-22-10OG	**LEE14S7/8UNFOMD**	M22X1.5	7/8"X14	14	O910	23	41	44	22	27	27
ADDO-24-24-10OG	**LEE16S7/8UNFOMD**	M24X1.5	7/8"X14	16	O910	24	42.5	46.5	24	30	27
ADDO-30-30-12OG	**LEE20S11/16UNOMD**	M30X2	1.1/16"X12	20	O912	28.3	49.8	53.5	30	36	32
ADDO-36-36-16OG	**LEE25S11/16UNOMD**	M36X2	1.5/16"X12	25	O916	32.8	56.8	58.8	36	46	41
ADDO-42-42-20OG	**LEE30S15/8UNOMD**	M42X2	1.5/8"X12	30	O920	36.2	62.7	59.5	41	50	50

ACOC-OG ADOD-OG BRANCH TEE ADJUSTABLE LOCKNUT ELBOW

DIN 24° cone end/Adjustable UNF thread O-ring (ISO 11926), Parker TEE-UNF/UN

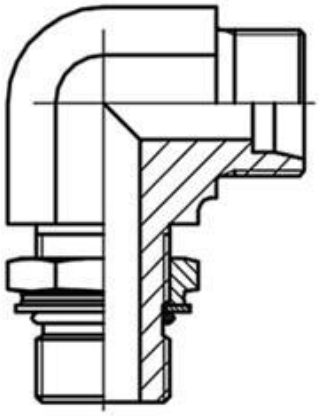


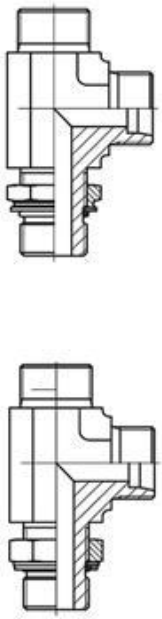


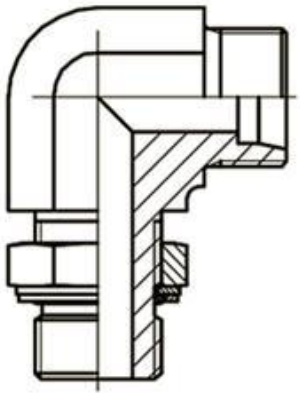
PART NO.	PARKER NO.	E,G	F	D1,D2	O-RING	l1,l2	L1,L2	L3	S1	S2,S4	S3
L SERIES											
ACOC-12-04-12OG	TEE06L7/16UNFOMD	M12X1.5	7/16"X20	6	O904	13	28	27.5	11	14	17
ACOC-14-06-14OG	TEE08L9/16UNFOMD	M14X1.5	9/16"X18	8	O906	15.5	30.5	31.8	14	17	19
ACOC-16-06-16OG	TEE10L9/16UNFOMD	M16X1.5	9/16"X18	10	O906	17	32.5	33.3	16	19	19
ACOC-18-08-18OG	TEE12L3/4UNFOMD	M18X1.5	3/4"X16	12	O908	19	34	37.5	19	22	24
ACOC-22-10-22OG	TEE15L7/8UNFOMD	M22X1.5	7/8"X14	15	O910	22	37	44	22	27	27
ACOC-26-12-26OG	TEE18L11/16UNOMD	M26X1.5	1.1/16"X12	18	O912	25.5	42	51	27	32	32
ACOC-30-12-30OG	TEE22L11/16UNOMD	M30X2	1.1/16"X12	22	O912	29.5	45.8	54	30	36	32
ACOC-36-16-36OG	TEE28L15/16UNOMD	M36X2	1.5/16"X12	28	O916	33.3	49.8	57.5	36	41	41
ACOC-45-20-45OG	TEE35L15/8UNOMD	M45X2	1.5/8"X12	35	O920	39.2	60.7	63	48	50	50
S SERIES											
ADOD-14-04-14OG	TEE06S7/16UNFOMD	M14X1.5	7/16"X20	6	O904	17.5	32.5	30	14	17	17
ADOD-16-06-16OG	TEE08S9/16UNFOMD	M16X1.5	9/16"X18	8	O906	18.7	33.7	33.3	16	19	19
ADOD-18-06-18OG	TEE10S9/16UNFOMD	M18X1.5	9/16"X18	10	O906	19.5	36	33.5	19	22	19
ADOD-20-08-20OG	TEE12S3/4UNFOMD	M20X1.5	3/4"X16	12	O908	19.5	36	37.5	19	24	24
ADOD-22-10-22OG	TEE14S7/8UNFOMD	M22X1.5	7/8"X14	14	O910	23	41	44	22	27	27
ADOD-24-10-24OG	TEE16S7/8UNFOMD	M24X1.5	7/8"X14	16	O910	24	42.5	46.5	24	30	27
ADOD-30-12-30OG	TEE20S11/16UNOMD	M30X2	1.1/16"X12	20	O912	28.3	49.8	53.5	30	36	32
ADOD-36-16-36OG	TEE25S15/16UNOMD	M36X2	1.5/16"X12	25	O916	32.8	56.8	57.5	36	46	41
ADOD-42-20-42OG	TEE30S15/8UNOMD	M42X2	1.5/8"X12	30	O920	36.2	62.7	59.5	41	50	50

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

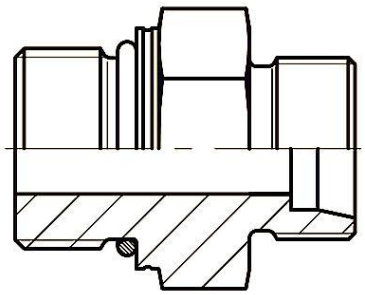
DIN Metric Stud Fitting/Metric Stud Connector







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

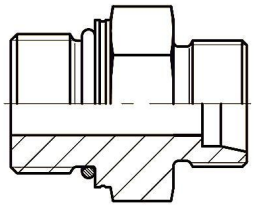
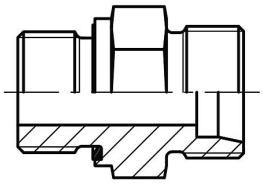
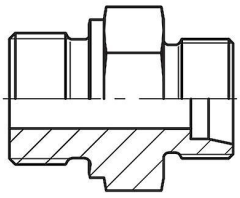
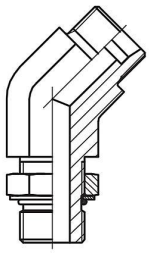
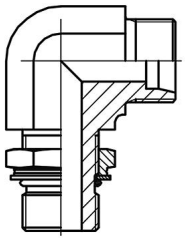
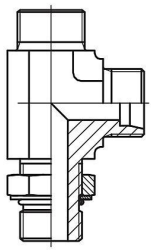
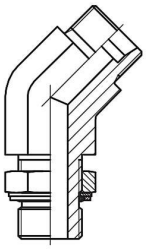
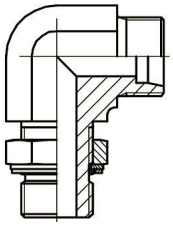
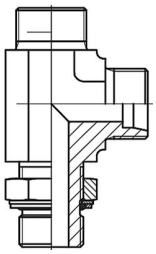
FITSCH

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)

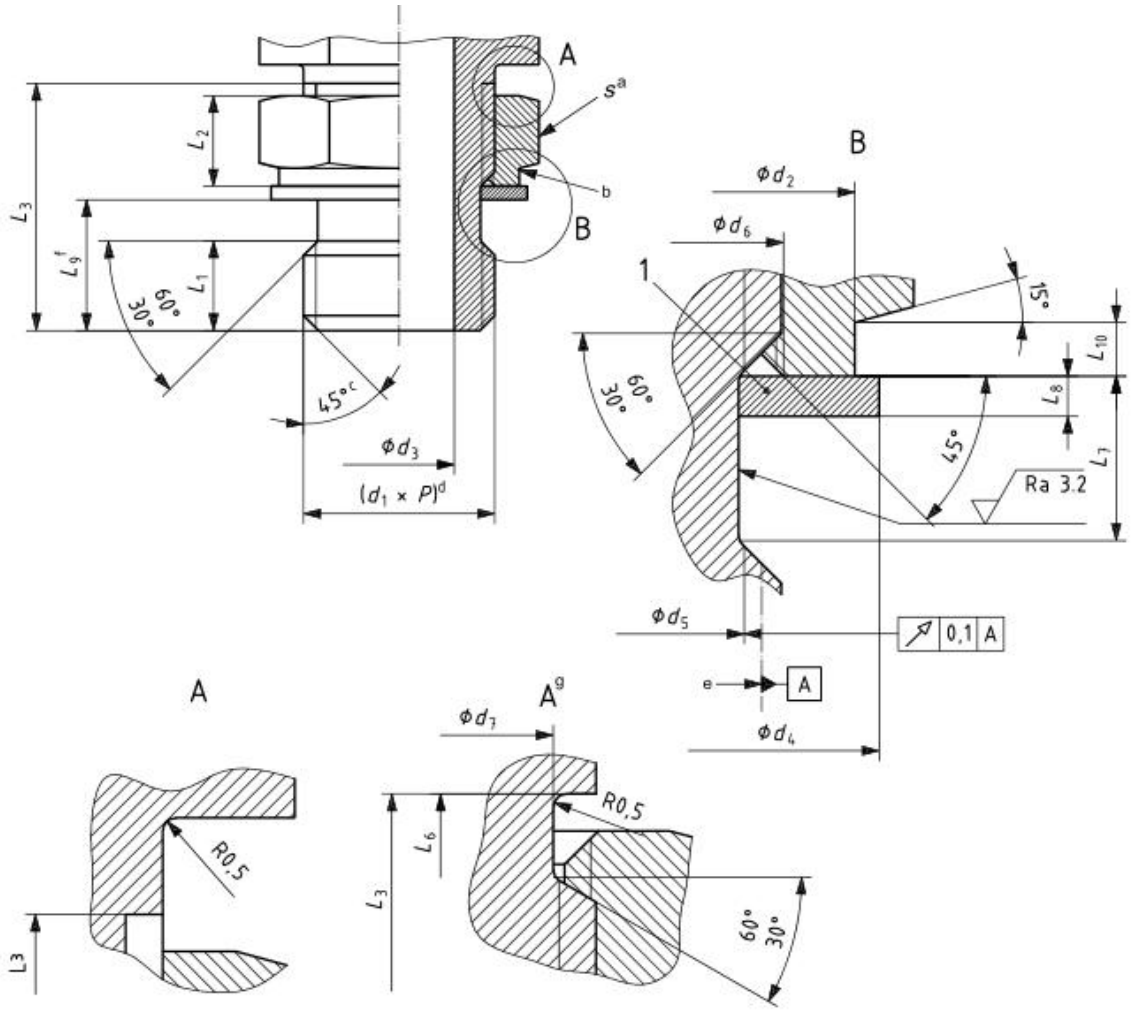


Figure of adjustable lock nut heavy duty S series stud end

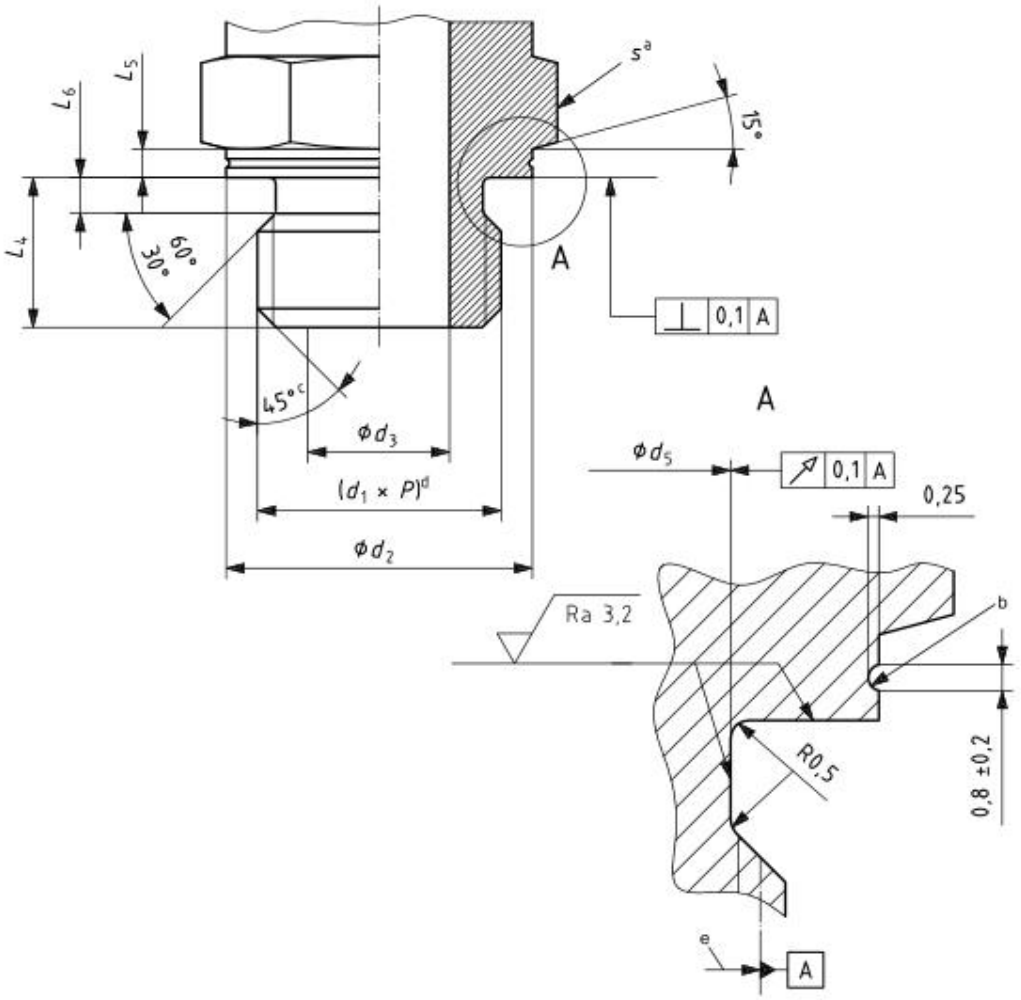


Figure of Non-adjustable heavy duty S series stud end

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

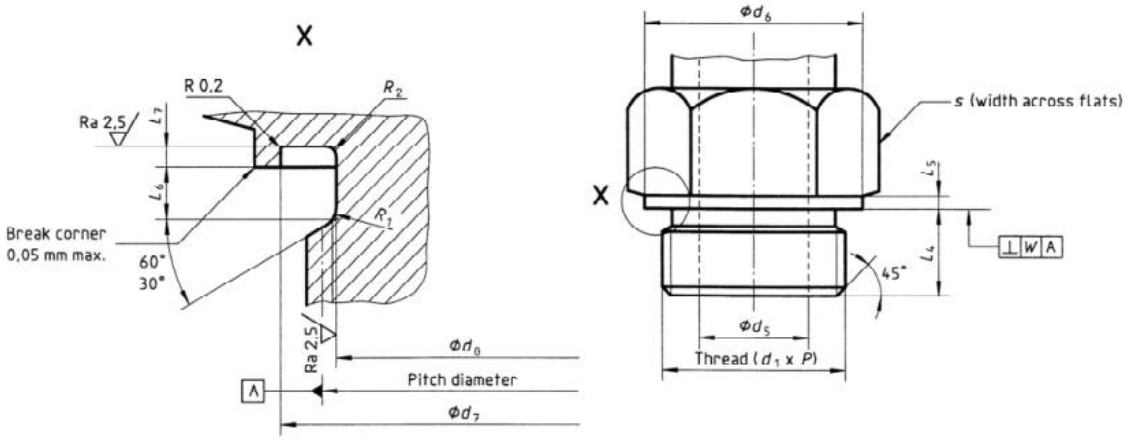


Figure 1 — Light-duty (L series) and heavy-duty (S series) stud end with elastomeric sealing (type E)

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

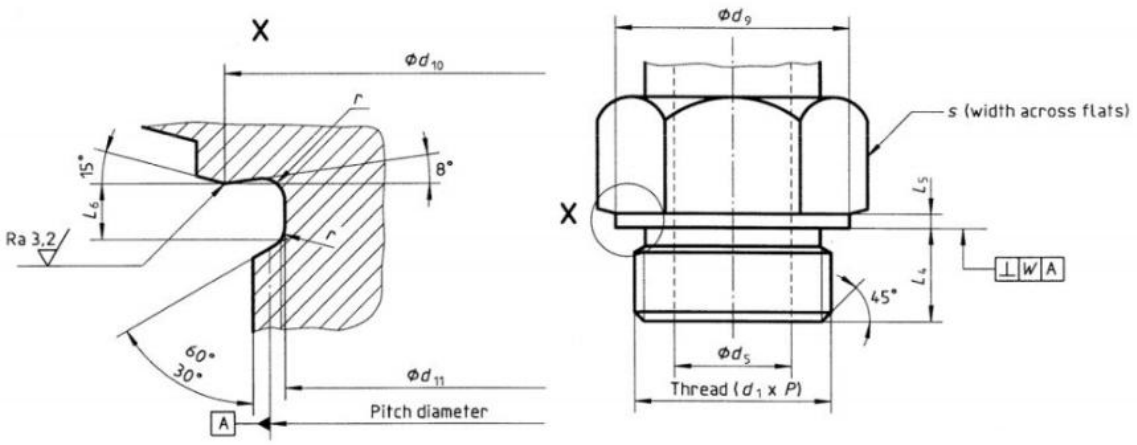


Figure of Metric stud with metal to metal sealing type B

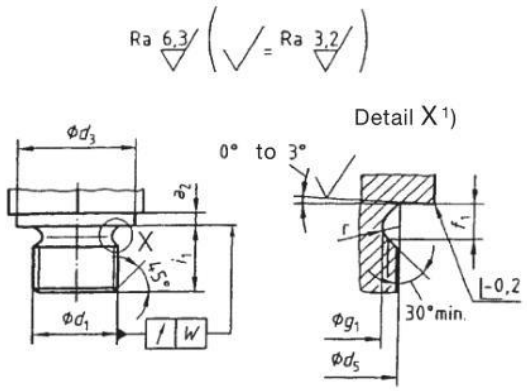
Thread ($d_1 \times P$)	d_5 LL series nom.[1]	d_5 LL series tol.[2]	d_5 L series nom.[1]	d_5 L series tol.[2]	d_5 S series nom.[1]	d_5 S series tol.[2]	d_9 $^{0}_{-0,2}$	d_{10} $^{0}_{-0,5}$	d_{11} $^{0}_{-0,2}$	L_4 ±0,2	L_5 min.	L_6 $^{+0,3}_{0}$	r	s	W
M8 × 1	3	$^{+0,14}_{0}$	—	—	—	—	12	11	6,4	8	1,5	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.

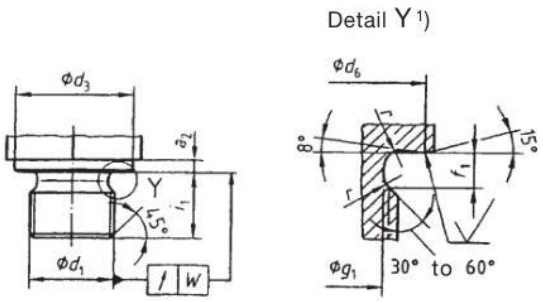
Dimensions of Metric stud with metal to metal sealing type B

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

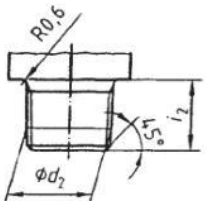


Type B, with sealing by compression against face of body



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_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	0,1•
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	
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	0,2•
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	
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.

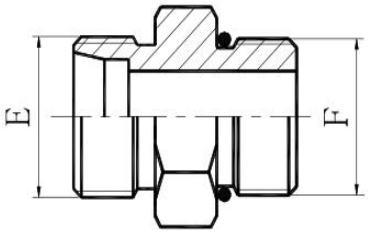
[3]) In the automotive industry, thread sizes M20 × 1,5 keg to M26 × 1,5 keg may be used with i_2 equal to 12 mm for the standard design, or equal to 10 mm for the short design, in accordance with DIN 158-1.

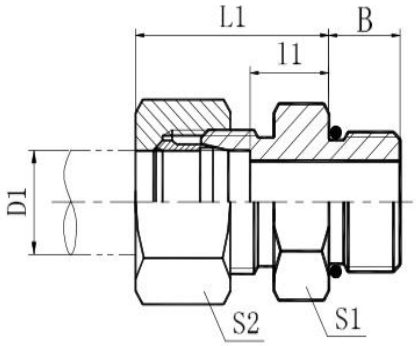
[4]) Size only to be used for LL type couplings.

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

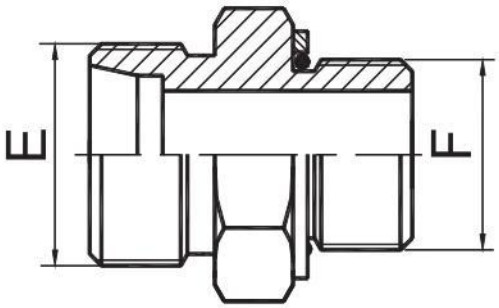


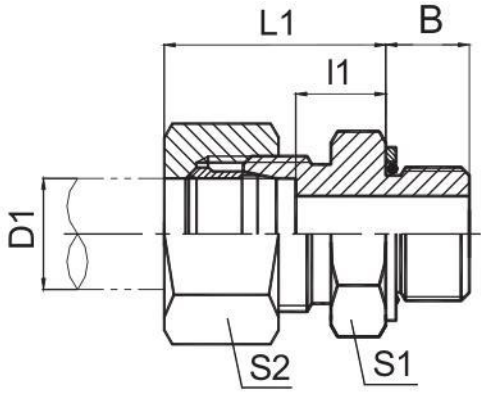


PART NO.	PARKER NO.	E	F	D1	O RING	B	l1	L1	S1	S2
L SERIES										
1CH-12-10OR	GEO06LMOMD	M12X1.5	M10X1	6	O08.1X1.6	8.5	9.5	23	14	14
1CH-14OR	GEO08LM14X1.5OMD	M14X1.5	M14X1.5	8	O11.3X2.2	11	10	25	19	17
1CH-14-12OR	GEO08LMOMD	M14X1.5	M12X1.5	8	O09.3X2.2	11	10	25	17	17
1CH-16-14OR	GEO10LMOMD	M16X1.5	M14X1.5	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

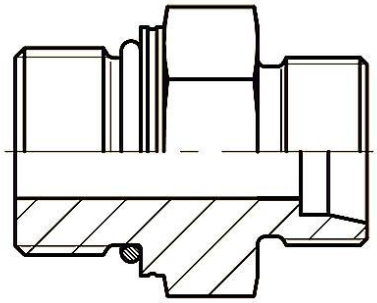
1DH-16-14OR	GEO08SMOMD	M16X1.5	M14X1.5	8	O11.3X2.2	11	15	30	19	19
1DH-18-16OR	GEO10SMOMD	M18X1.5	M16X1.5	10	O13.3X2.2	11.5	15	31	22	22
1DH-20-14OR	GEO12SM14X1.5OMD	M20X1.5	M14X1.5	12	O11.3X2.2	11	15	31	22	24
1DH-20-16OR	GEO12SM16X1.5OMD	M20X1.5	M16X1.5	12	O13.3X2.2	11.5	15	31	22	24
1DH-20-18OR	GEO12SMOMD	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)



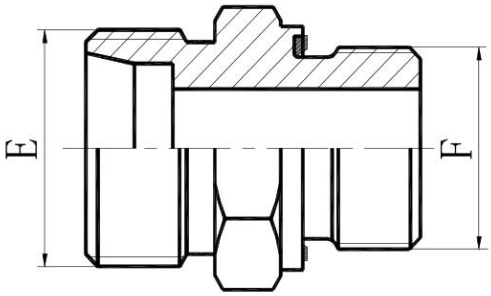


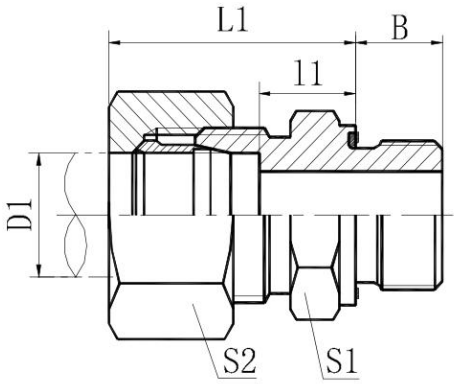
Parker type with identification of metric stud end O-ring seal, but it is optional for manufacturer.



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

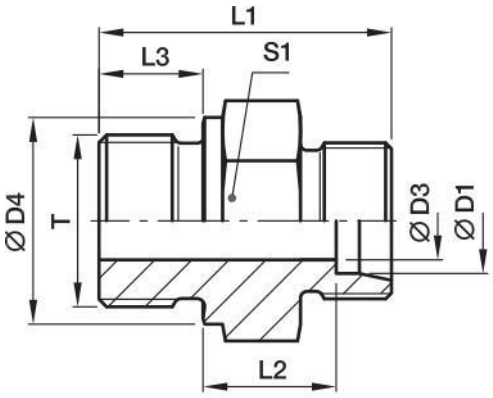


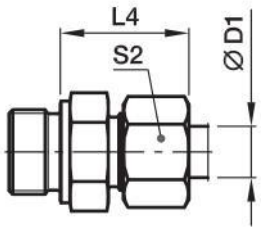


PART NO.	PARKER NO.	E	F	D1	CAPTIVE SEAL	B	l1	L1	S1	S2
L SERIES										
1CM-12-10WD	GE06LMEDOMD	M12X1.5	M10X1	6	WD-B02	8	9.5	23	14	14
1CM-14-12WD	GE08LMEDOMD	M14X1.5	M12X1.5	8	WD-M12	12	10.5	25	17	17
1CM-16-12WD	GE10LM12X1.5EDOMD	M16X1.5	M12X1.5	10	WD-M12	12	11	25	17	19
1CM-16-14WD	GE10LMEDOMD	M16X1.5	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



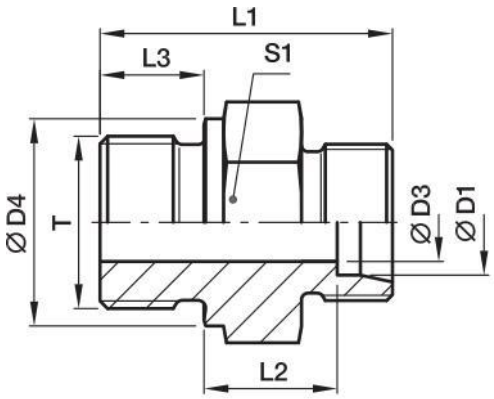


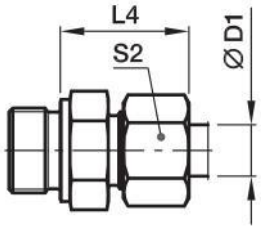
PART NO.	PARKER NO.	D1	T	D3	D4	L1	L2	L3	L4	S1	S2	g/1 piece
L SERIES												
1CM-12-10B	GE06LM	6	M10×1	4	14	23.5	8.5	8	23	14	14	13
1CM-14-12B	GE08LM	8	M12×1.5	6	17	29	10	12	25	17	17	22
1CM-16-14B	GE10LM	10	M14×1.5	7	19	30	11	12	26	19	19	31
1CM-16-10B	GE10LM10X1	10	M10×1	4	14	25.5	10.5	8	25	17	19	20
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

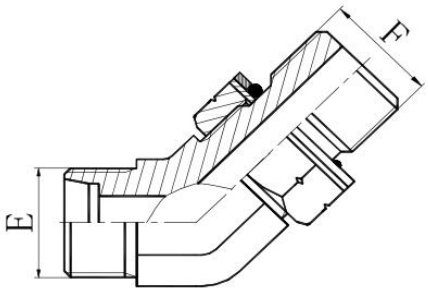
1DM-20-22B	GE12SM22X1.5	12	M22×1.5	8	27	39	17.5	14	34	27	24	103
1DM-20-20B	GE14SM	14	M20×1.5	10	25	41	19	14	37	27	27	95
1DM-24-18B	GE16SM18X1.5	16	M18×1.5	8	23	38.5	18	12	36	27	30	88
1DM-24-22B	GE16SM	16	M22×1.5	12	27	41	18.5	14	37	27	30	97
1DM-30-27B	GE20SM	20	M27×2	16	32	47	20.5	16	42	32	36	155
1DM-36-33B	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

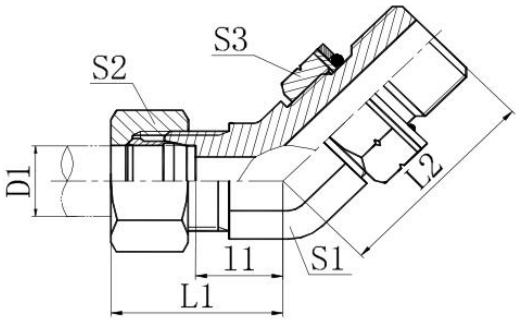




1CH4-OG 1DH4-OG 45 degree Elbow Adjustable locknut DIN Fittings

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





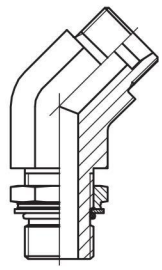
PART O.	PARKER O.	E	F	D1	O RING	l1	L1	L2	S1	S2	S3
L SERIES											
1CH4-12-10OG	VEE06LMOMD	M12X1.5	M10X1	6	O08.1X1.6	10	25	23.5	11	14	14
1CH4-14-12OG	VEE08LMOMD	M14X1.5	M12X1.5	8	O09.3X2.4	11	26	28	14	17	17
1CH4-16-14OG	VEE10LMOMD	M16X1.5	M14X1.5	10	O11.3X2.4	12.3	27.3	29	16	19	19
1CH4-18-16OG	VEE12LMOMD	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.

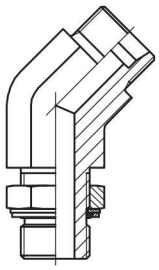
1CH4-OR 1DH4-OR 45 degree Elbow Adjustable locknut DIN Fittings

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

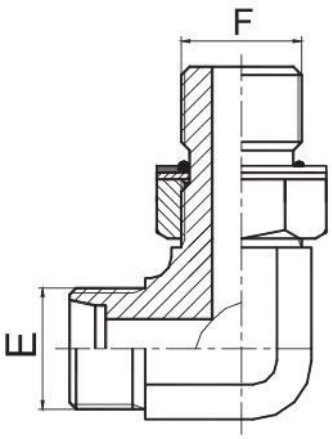


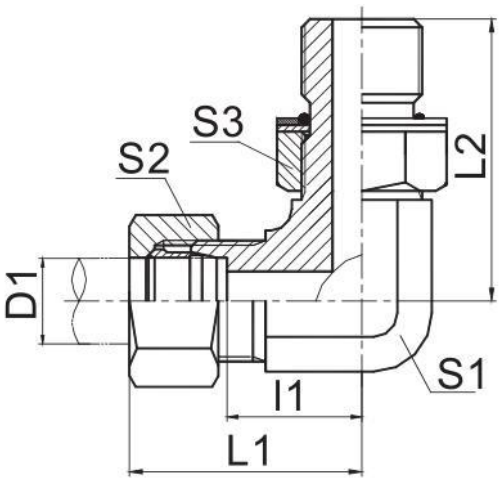
VEE-M

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

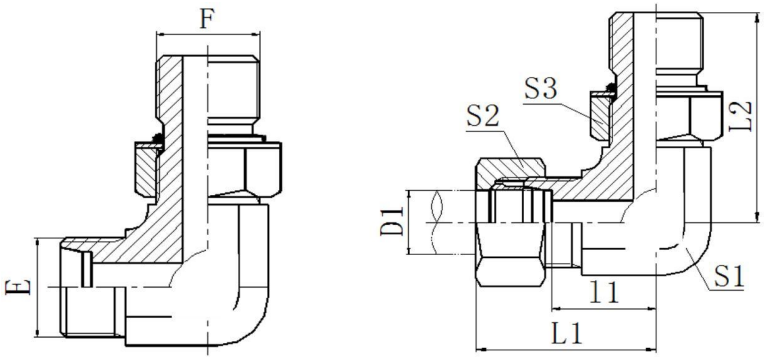




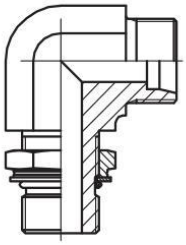
PART NO.	PARKER NO.	E	F	D1	O-RING	l1	L1	L2	S1	S2	S3
L SERIES											
1CH9-12-10OG	WEE06LMOMD	M12X1.5	M10X1	6	O08.1X1.6	13	28	26.5	11	14	14
1CH9-14-12OG	WEE08LMOMD	M14X1.5	M12X1.5	8	O09.3X2.2	15.5	30.5	32.5	14	17	17
1CH9-16-14OG	WEE10LMOMD	M16X1.5	M14X1.5	10	O11.3X2.2	17.5	32.5	34	16	19	19
1CH9-18-16OG	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

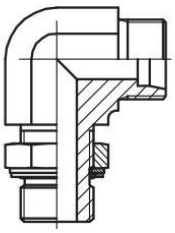
DIN 24° cone end/Male M thread O ring seal(ISO 6149) , Parker WEE-OR male METRIC stud connector



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

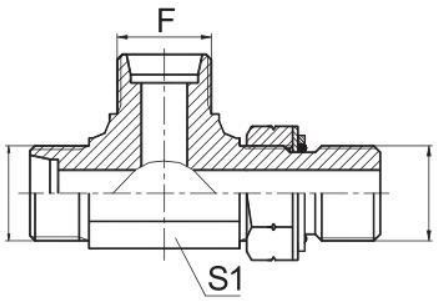


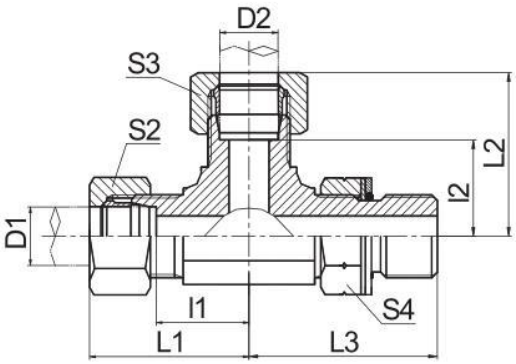
WEE-M

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

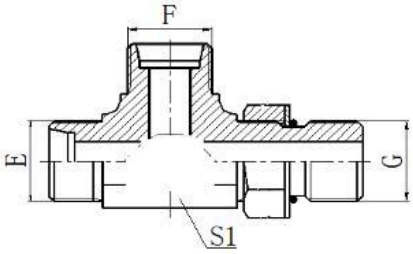


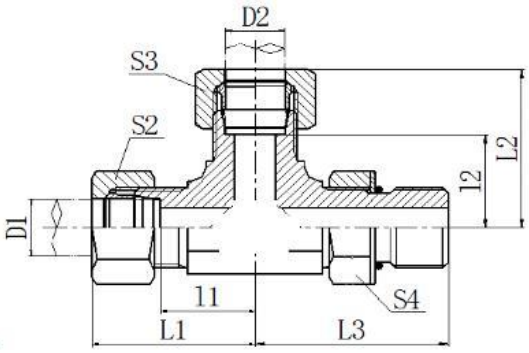


PART NO.	PARKER NO.	E,F	G	D1,D2	O RING	l1,l2	L1,L2	L3	S1	S2,S3	S4
L SERIES											
ACCH-12-12-10OG	LEE06LMOMD	M12X1.5	M10X1	6	O08.1X1.6	13	28	26.5	11	14	14
ACCH-14-14-12OG	LEE08LMOMD	M14X1.5	M12X1.5	8	O09.3X2.2	15.5	30.5	32	14	17	17
ACCH-16-16-14OG	LEE10LMOMD	M16X1.5	M14X1.5	10	O11.3X2.2	17.5	32.5	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

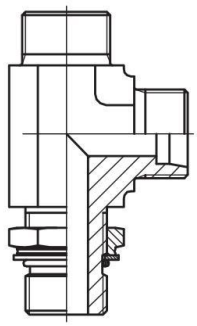
ACCH-OR ADDH-OR Run Tee Adjustable locknut DIN Fittings

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

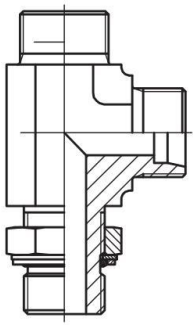




PART NO.	PARKER NO.	E,F	G	D1,D2	O RING	l1,l2	L1,L2	L3	S1	S2,S3	S4
L SERIES											
ACCH-12-12-10OR	LEE06LMOROMD	M12X1.5	M10X1	6	O08.1X1.6	13	28	26.5	11	14	14
ACCH-14-14-12OR	LEE08LMOROMD	M14X1.5	M12X1.5	8	O09.3X2.2	15.5	30.5	32	14	17	17
ACCH-16-16-14OR	LEE10LMOROMD	M16X1.5	M14X1.5	10	O11.3X2.2	17.5	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

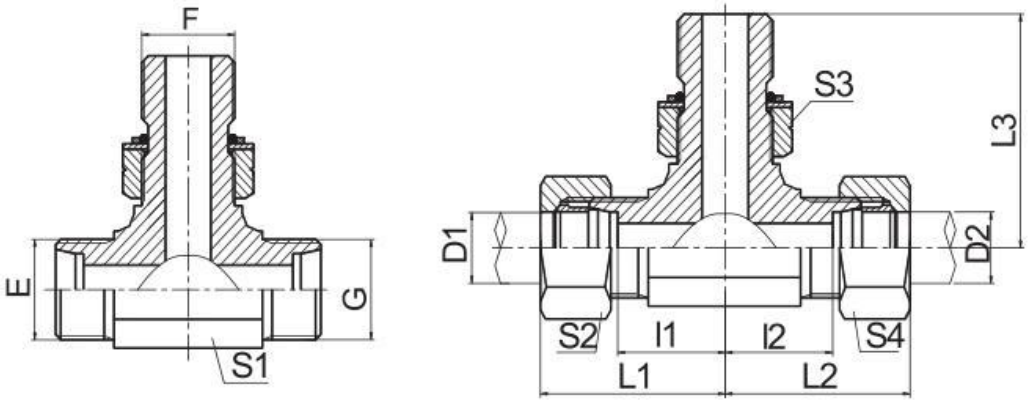


LEE-M

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

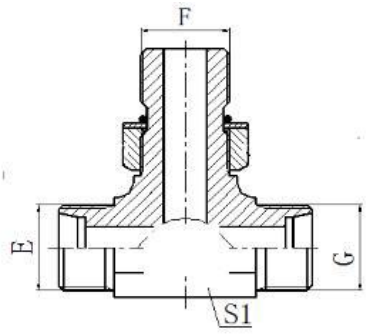
DIN 24° cone end/Male M thread O ring and retaining ring seal/DIN 24° cone end , Parker TEE-M male METRIC stud connector

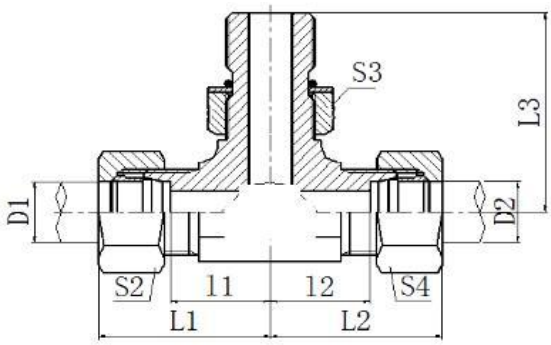


PART NO.	PARKER NO.	E,G	F	D1,D2	O RING	l1,l2	L1,L2	L3	S1	S2,S4	S3
L SERIES											
ACHC-12-10-12OG	TEE06LMOMD	M12X1.5	M10X1	6	O08.1X1.6	13	28	26.5	11	14	14
ACHC-14-12-14OG	TEE08LMOMD	M14X1.5	M12X1.5	8	O09.3X2.2	15.5	30.5	32	14	17	17
ACHC-16-14-16OG	TEE10LMOMD	M16X1.5	M14X1.5	10	O11.3X2.2	17.5	32.5	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

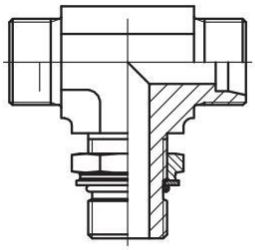
ACHC-OR ADHC-OR Branch Tee Adjustable locknut DIN Fittings

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

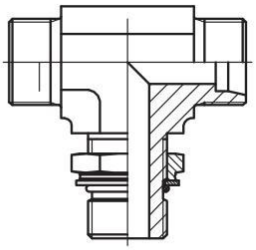




PART NO.	PARKER NO.	E,G	F	D1,D2	O RING	l1,l2	L1,L2	L3	S1	S2,S4	S3
L SERIES											
ACHC-12-10-12OR	TEE06LMOROMD	M12X1.5	M10X1	6	O08.1X1.6	13	28	26.5	11	14	14
ACHC-14-12-14OR	TEE08LMOROMD	M14X1.5	M12X1.5	8	O09.3X2.2	15.5	30.5	32	14	17	17
ACHC-16-14-16OR	TEE10LMOROMD	M16X1.5	M14X1.5	10	O11.3X2.2	17.5	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

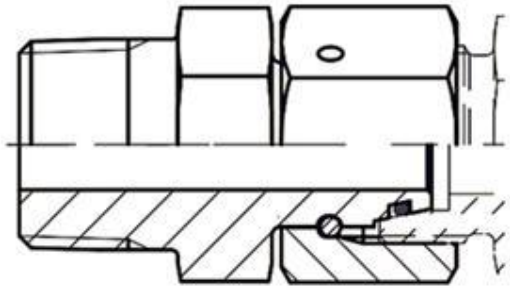


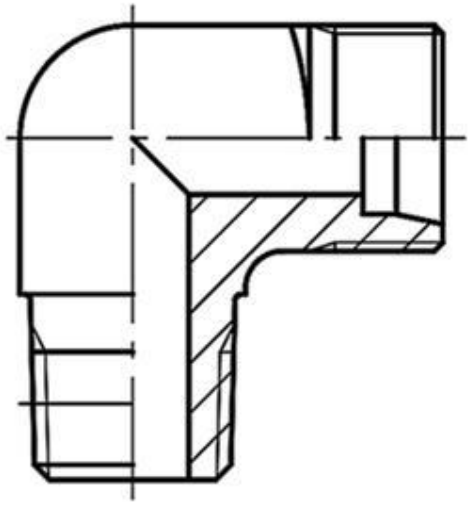
TEE-M

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

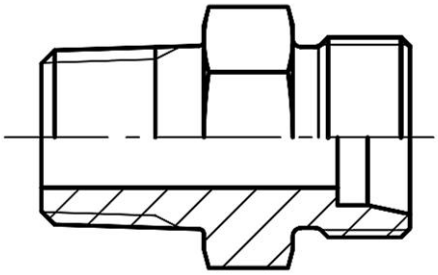
DIN HYDRAULIC FITTINGS DIN 2353/ISO 8434-1 SAE ORB

DIN NPT Stud Fitting/NPTF Stud Connector





From 24 Degree Cone to NPT Stud Fittings



NPT STUD WITH SEALING BY TAPER THREAD TYPES:

NPT male stud standard of ANSI B1.20.1.1-1983

NPTF male stud standard of SAE J476A

Shapes of DIN NPT Stud Fittings

Straight Stud DIN NPT Adapter

90 Degree Elbow DIN NPT Adapter

Straight Swivel DIN NPT adapter

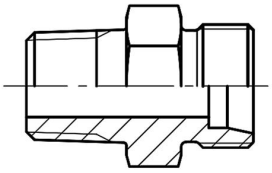
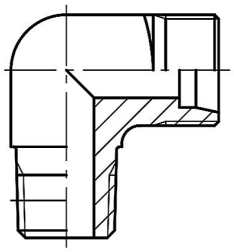
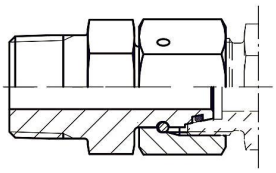
FITSCH

DIN Male NPT Stud Fittings Introduction

This male stud connector is from DIN 24 degree cone tube end to NPT stud ends,ANSI B1.20.1-1983 NPT taper thread sealing by fluid or plastic sealing material, SAE J476A NPTF taper thread sealing by closer tolerance are held to assure metal to metal contact dryseal thread.. NPT will be matched with ANSI B1.20.1-1983 threads port, NPTF will be matched with SAE J476A ANSI B1.20.3. It is mainly used in north America and others.

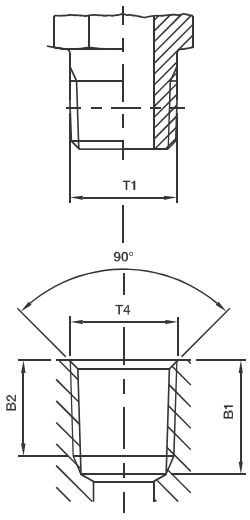
Overview catalogue Of DIN Male NPT Stud Fittings Connectors

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

GE-NPT / 1CN	WEE-NPT / 1CN9	EGE-NPT / 2NC
		

Dimensions Of DIN Male NPT Stud Fittings

Male stud NPT/F Sealing: Tapered thread NPT ANSI/ASME B 1.20.1-1983; NPTF ANSI/ASME B 1.20.3-1976



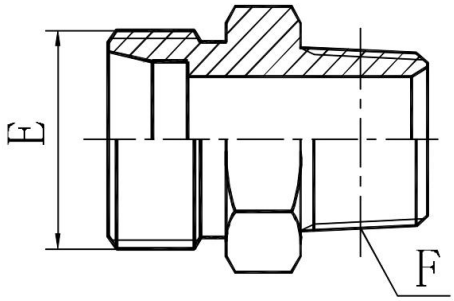
Thread T1	B1 min.	B2 min.
1/8-27 NPT/F*	11.6	6.9
1/4-18 NPT/F*	16.4	10
3/8-18 NPT/F*	17.4	10.3
1/2-14 NPT/F*	22.6	13.6
3/4-14 NPT/F*	23.1	14.1
1-11.5 NPT/F*	27.8	16.8
11/4-11.5 NPT/F*	28.3	17.3
11/2-11.5 NPT/F*	28.3	17.3

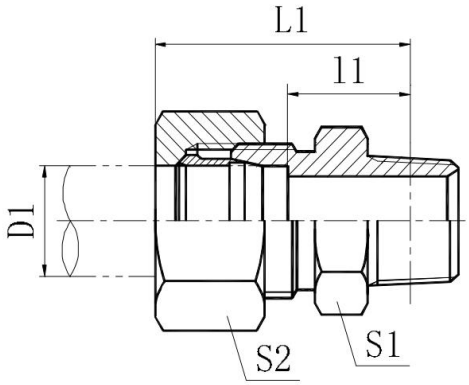
Port NPT/F (taper): NPT ANSI/ASME B 1.20.1-1983; NPTF ANSI/ASME B 1.20.3-1976

DIN NPT MALE STUD FITTING CATALOG

1CN Straight DIN NPT Fittings

DIN 24° cone end/Male NPT SAE J476A, Parker GE-NPT male NPT stud connector

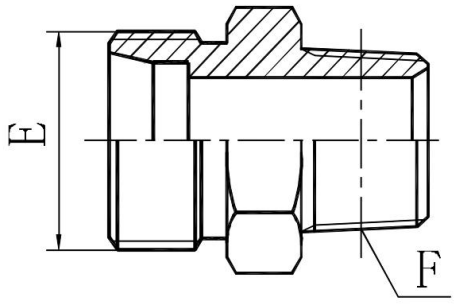


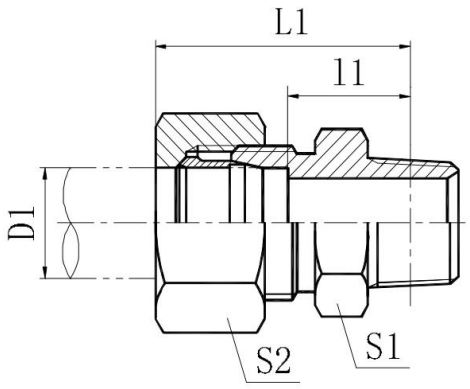


PART NO.	PARKER NO.	E	F	D1	l1	L1	S1	S2
L SERIES								
1CN-10-02LL	GE06LL1/8NPT	M10X1	Z1/8"X27	6	13.9	24.4	12	12
1CN-12-02LL	GE08LL1/8NPT	M12X1	Z1/8"X27	8	14.9	25.4	12	14
1CN-12-02	GE06L1/8NPT	M12X1.5	Z1/8"X27	6	14.4	28.4	12	14
1CN-12-04	GE06L1/4NPT	M12X1.5	Z1/4"X18	6	17.21	32.21	17	14
1CN-14-04	GE08L1/4NPT	M14X1.5	Z1/4"X18	8	17.21	32.21	17	17
1CN-16-04	GE10L1/4NPT	M16X1.5	Z1/4"X18	10	18.21	33.21	17	19
1CN-16-06	GE10L3/8NPT	M16X1.5	Z3/8"X18	10	19.9	53	19	19
1CN-18-04	GE12L1/4NPT	M18X1.5	Z1/4"X18	12	19.21	34.21	19	22
1CN-18-06	GE12L3/8NPT	M18X1.5	Z3/8"X18	12	19.9	34.9	19	22
1CN-18-08	GE12L1/2NPT	M18X1.5	Z1/2"X14	12	21.37	36.37	22	22
1CN-22-08	GE15L1/2NPT	M22X1.5	Z1/2"X14	15	22.37	37.37	24	27
1CN-26-08	GE18L1/2NPT	M26X1.5	Z1/2"X14	18	22.87	39.37	27	32
1CN-26-12	GE18L3/4NPT	M26X1.5	Z3/4"X14	18	22.39	38.89	30	32
1CN-30-08	GE22L1/2NPT	M30X2	Z1/2"X14	22	25.2	40.5	32	36
1CN-30-12	GE22L3/4NPT	M30X2	Z3/4"X14	22	24.39	40.89	32	36
1CN-36-16	GE28L1NPT	M36X2	Z1"X11.5	28	29.84	46.34	41	41
1CN-36-20	GE28L11/4NPT	M36X2	Z1.1/4"X11.5	28	31.3	46.3	46	41
1CN-45-20	GE35L11/4NPT	M45X2	Z1.1/4"X11.5	35	30.33	51.83	46	50
1CN-52-20	GE42L11/4NPT	M52X2	Z1.1/4"X11.5	42	31.8	55.8	55	60
1CN-52-24	GE42L11/2NPT	M52X2	Z1.1/2"X11.5	42	32.83	55.83	55	60

1DN Straight DIN NPT Fittings

DIN 24° cone end/Male NPT SAE J476A, Parker GE-NPT male NPT stud connector

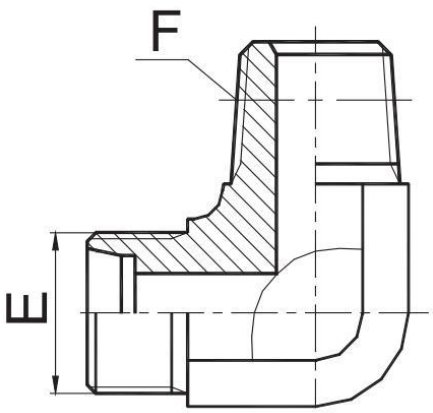


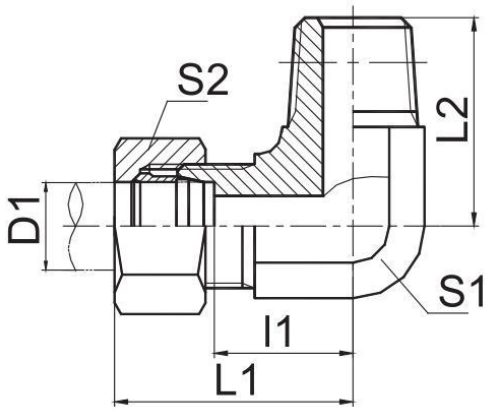


PART NO.	PARKER NO.	E	F	D1	l1	L1	S1	S2
1DN-14-04	GE06S1/4NPT	M14X1.5	Z1/4"X18	6	22.21	37.21	17	17
1DN-16-04	GE08S1/4NPT	M16X1.5	Z1/4"X18	8	22.21	37.21	17	19
1DN-18-04	GE10S1/4NPT	M18X1.5	Z1/4"X18	10	21.71	38.21	19	22
1DN-18-06	GE12S1/4NPT	M18X1.5	Z3/8"X18	10	22.4	38.9	19	22
1DN-20-04	GE12S1/4NPT	M20X1.5	Z1/4"X18	12	23.71	40.21	22	24
1DN-20-06	GE12S3/8NPT	M20X1.5	Z3/8"X18	12	24.4	40.9	22	24
1DN-20-08	GE12S1/2NPT	M20X1.5	Z1/2"X14	12	26.4	42.37	22	24
1DN-22-08	GE14S1/2NPT	M22X1.5	Z1/2"X14	14	27.37	45.37	24	27
1DN-24-08	GE16S1/2NPT	M24X1.5	Z1/2"X14	16	26.87	45.37	27	30
1DN-30-12	GE20S3/4NPT	M30X2	Z3/4"X14	20	28.39	49.89	32	36
1DN-36-12	GE25S3/4NPT	M36X2	Z3/4"X14	25	30.9	34	41	46
1DN-36-16	GE25S1NPT	M36X2	Z1"X11.5	25	35.34	59.34	41	46
1DN-42-16	GE30S1NPT	M42X2	Z1"X11.5	30	35.8	59.3	46	50
1DN-42-20	GE30S11/4NPT	M42X2	Z1.1/4"X11.5	30	36.33	62.83	46	50
1DN-52-24	GE38S11/2NPT	M52X2	Z1.1/2"X11.5	38	39.83	70.83	55	60

1CN9 Elbow DIN NPT Fittings

DIN 24° cone end/Male NPT SAE J476A, Parker WE-NPT male NPT stud connector

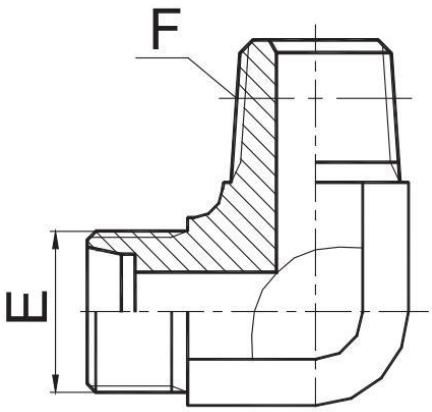


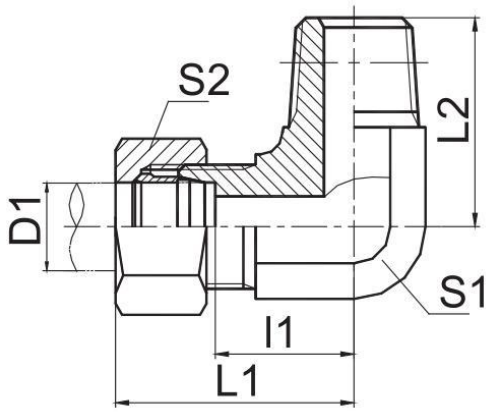


PART NO.	PARKER NO.	E	F	D1	I1	L1	L2	S1	S2
L SERIES									
1CN9-12-02	WE06L1/8NPT	M12X1.5	Z1/8"X27	6	13	28	21	11	14
1CN9-12-04	WE06L1/4NPT	M12X1.5	Z1/4"X18	6	15.5	30.5	25.5	14	14
1CN9-14-04	WE08L1/4NPT	M14X1.5	Z1/4"X18	8	15.5	30.5	25.5	14	17
1CN9-16-06	WE10L3/8NPT	M16X1.5	Z3/8"X18	10	17.5	32.5	29.5	16	19
1CN9-18-04	WE12L1/4NPT	M18X1.5	Z1/4"X18	12	19	34	28	19	22
1CN9-18-06	WE12L3/8NPT	M18X1.5	Z3/8"X18	12	19	34	31	19	22
1CN9-18-08	WE12L1/2NPT	M18X1.5	Z1/2"X14	12	21	36	36.7	22	22
1CN9-22-06	WE15L3/8NPT	M22X1.5	Z3/8"X18	15	22	37	32.5	22	27
1CN9-22-08	WE15L1/2NPT	M22X1.5	Z1/2"X14	15	22	37	36.7	22	27
1CN9-26-08	WE18L1/2NPT	M26X1.5	Z1/2"X14	18	25.5	42	40	27	32
1CN9-26-12	WE18L3/4NPT	M26X1.5	Z3/4"X14	18	25.5	42	44	27	32
1CN9-30-12	WE22L3/4NPT	M30X2	Z3/4"X14	22	29.3	45.8	45	30	36
1CN9-30-16	WE22L1NPT	M30X2	Z1"X11.5	22	32		50	33	36
1CN9-36-16	WE28L1NPT	M36X2	Z1"X11.5	28	33.3	49.8	51.5	36	41
1CN9-45-20	WE35L11/4NPT	M45X2	Z1.1/4"X11.5	35	39.2	60.7	63	48	50
1CN9-52-24	WE42L11/2NPT	M52X2	Z1.1/2"X11.5	42	44.8	67.8	65	55	60

1DN9 Elbow DIN NPT Fittings

DIN 24° cone end/Male NPT SAE J476A, Parker WE-NPT male NPT stud connector

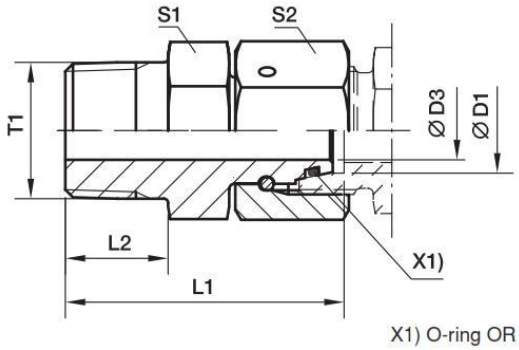




PART NO.	PARKER NO.	E	F	D1	I1	L1	L2	S1	S2
1DN9-14-04	WE06S1/4NPT	M14X1.5	Z1/4"X18	6	17.5	32.5	25.5	14	17
1DN9-16-04	WE08S1/4NPT	M16X1.5	Z1/4"X18	8	18.5	33.7	26.5	16	19
1DN9-18-06	WE10S3/8NPT	M18X1.5	Z3/8"X18	10	19.5	36	31	19	22
1DN9-20-04	WE12S1/4NPT	M20X1.5	Z1/4"X18	12	19.5	36	28	19	24
1DN9-20-06	WE12S3/8NPT	M20X1.5	Z3/8"X18	12	19.5	36	31	19	24
1DN9-22-06	WE14S3/8NPT	M22X1.5	Z3/8"X18	14	23	41	32.5	22	27
1DN9-22-08	WE14S1/2NPT	M22X1.5	Z1/2"X14	14	23	41	36.7	22	27
1DN9-24-06	WE16S3/8NPT	M24X1.5	Z3/8"X18	16	24	42.5	33.5	24	30
1DN9-24-08	WE16S1/2NPT	M24X1.5	Z1/2"X14	16	24	42.5	37.5	24	30
1DN9-30-08	WE20S1/2NPT	M30X2	Z1/2"X14	20	28	49.8	41	30	36
1DN9-30-12	WE20S3/4NPT	M30X2	Z3/4"X14	20	28	49.8	45	30	36
1DN9-36-12	WE25S3/4NPT	M36X2	Z3/4"X14	25	32.8	56.8	49	36	46
1DN9-36-16	WE25S1NPT	M36X2	Z1"X11.5	25	32.8	56.8	51.5	36	46
1DN9-42-16	WE30S1NPT	M42X2	Z1"X11.5	30	36.2	62.7	54.5	41	50
1DN9-42-20	WE30S11/4NPT	M42X2	Z1.1/4"X11.5	30	36.2	62.7	54.5	41	50
1DN9-52-20	WE38S11/4NPT	M52X2	Z1.1/4"X11.5	38	45.8	76.8	65	55	60
1DN9-52-24	WE38S11/2NPT	M52X2	Z1.1/2"X11.5	38	45.8	76.8	65	55	60

2NC 2ND SWVIEL DIN NPT Fittings

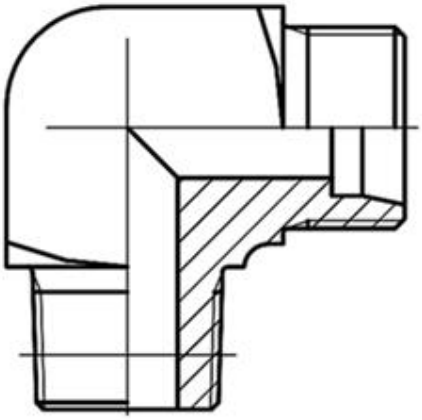
DIN 24° DKO cone end/Male NPT SAE J476A, Parker EGE-NPT male NPT stud connector

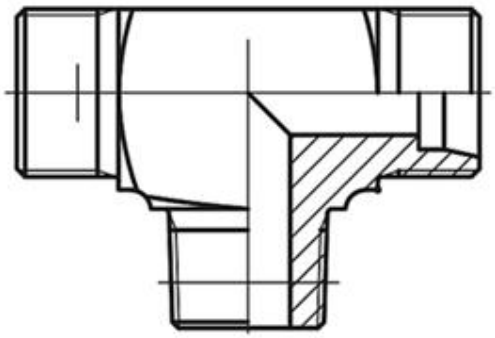


PART NO.	PARKER NO.	D1	T1	D3	L1	L2	S1	S2	g/1 piece
L SERIES									
2NC-02-12	EGE06L1/8NPT	6	1/8-27NPT	2.5	31.5	10	11	14	23
2NC-04-14	EGE08L1/4NPT	8	1/4-18NPT	4	37.5	14.5	14	17	41
2NC-04-16	EGE10L1/4NPT	10	1/4-18NPT	6	38	14.5	14	19	44
2NC-06-18	EGE12L3/8NPT	12	3/8-18NPT	8	40	14.5	19	22	69
2NC-08-22	EGE15L1/2NPT	15	1/2-14NPT	10	49.5	19.5	22	27	127
2NC-08-26	EGE18L1/2NPT	18	1/2-14NPT	12	49	19.5	24	32	142
2NC-12-30	EGE22L3/4NPT	22	3/4-14NPT	16	52	19.5	27	36	200
2NC-16-36	EGE28L1NPT	28	1-11 1/2NPT	22	61	24.5	36	41	306
2NC-20-45	EGE35L11/4NPT	35	11/4-11 1/2NPT	28	65.5	25	46	50	486
2NC-24-52	EGE42L11/2NPT	42	11/2-11 1/2NPT	34	68.5	26	50	60	662
S SERIES									
2ND-04-14	EGE06S1/4NPT	6	1/4-18NPT	2.5	37.5	14.5	14	17	42
2ND-04-16	EGE08S1/4NPT	8	1/4-18NPT	4	38	14.5	14	19	47
2ND-06-18	EGE10S3/8NPT	10	3/8-18NPT	6	40.5	14.5	19	22	75
2ND-06-20	EGE12S3/8NPT	12	3/8-18NPT	8	42	14.5	19	24	81
2ND-08-22	EGE14S1/2NPT	14	1/2-14NPT	9	50.5	19.5	22	27	131
2ND-08-24	EGE16S1/2NPT	16	1/2-14NPT	11	51	19.5	22	30	145
2ND-12-30	EGE20S3/4NPT	20	3/4-14NPT	14	54	19.5	27	36	221
2ND-16-36	EGE25S1NPT	25	1-11 1/2NPT	18	63.5	24.5	36	46	422
2ND-20-42	EGE30S11/4NPT	30	11/4-11 1/2NPT	23	70.5	25	46	50	628
2ND-24-52	EGE38S11/2NPT	38	11/2-11 1/2NPT	30	73.5	26	50	60	770

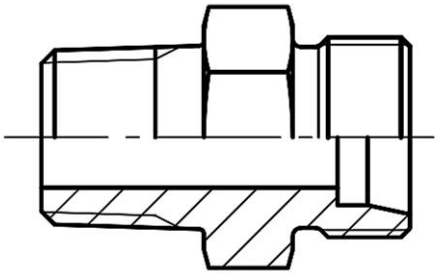
DIN HYDRAULIC FITTINGS DIN 2353/ISO 8434-1 SAE ORB

DIN BSPT Stud Fitting/BSPT Stud Connector





From 24 Degree Cone to BSPT Stud Fittings



BSPT STUD WITH SEALING BY TAPER THREAD TYPES:

BSPT male stud standard of ISO 7/BS 21/DIN 2999-1

BSPT=PT male stud standard of JIS B 0203 Japan

Male Short BSPT stud DIN 3852-2, type C

Shapes of DIN NPT Stud Fittings

Straight Stud DIN BSPT Adapter

90 Degree Elbow DIN BSPT Adapter

Straight Swivel DIN BSPT adapter

Match Port types Standards As Follows:

Port BSPP ISO 7/1, BS 21(ISO 1179-1) Rp

Port BSPT ISO 7/1, BS 21-Rc; DIN 2999-RC, Japan PT

Port BSPP DIN 3852 T2, type Z (parallel)

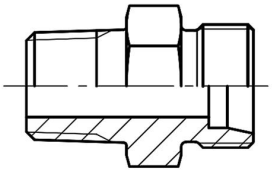
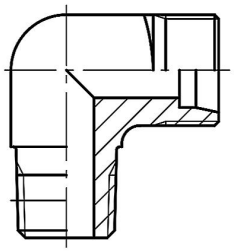
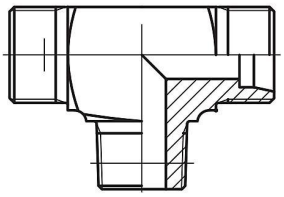
FITSCH

DIN Male BSPT Stud Fittings Introduction

This male stud connector is from DIN 24 degree cone tube end to BSPT stud ends, meet standards of ISO 7/BS 21/DIN 2999-1/JIS B 0203 pressure tight pipe thread joint, BSPT taper thread sealing by plastic thread sealing material, it will be matched with port tapping taper and parallel thread stands of ISO 7/1-Rp/Rc DIN 2999-Rc BS 21-Rp/Rc Japan PT. It is mainly used in Great British and Asia-Pacific areas.

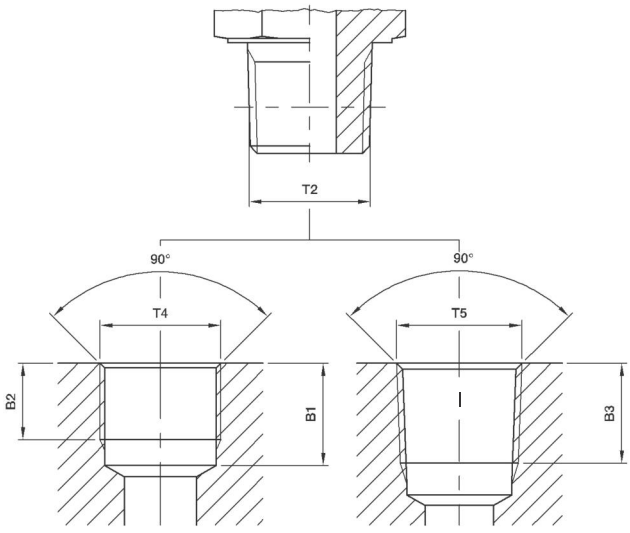
Overview catalogue Of DIN Male BSPT Stud Fittings Connectors

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

GE-R(keg) / 1CT	WEE-R(KEG) / 1CT9	TE-R(KEG) / BC-R
		

Dimensions Of DIN Male NPT Stud Fittings

Male stud BSPT/PT Sealing Tapered thread ISO 7/BS 21 and DIN 2999-1



T2	T4	T5	B1 min.	B2 min.	B3 min.
R 1/8	Rp 1/8	Rc 1/8	9.7	7.9	7.4
R 1/4	Rp 1/4	Rc 1/4	12	11.2	11
R 3/8	Rp 3/8	Rc 3/8	13.5	12	11.4
R 1/2	Rp 1/2	Rc 1/2	17.6	15	15
R 3/4	Rp 3/4	Rc 3/4	19.1	16	16.3
R 1	Rp 1	Rc 1	21.4	19.1	19
R 1 1/4	Rp 1 1/4	Rc 1 1/4	21.4	19.9	21.4
R 1 1/2	Rp 1 1/2	Rc 1 1/2	22.4	20.6	21.4

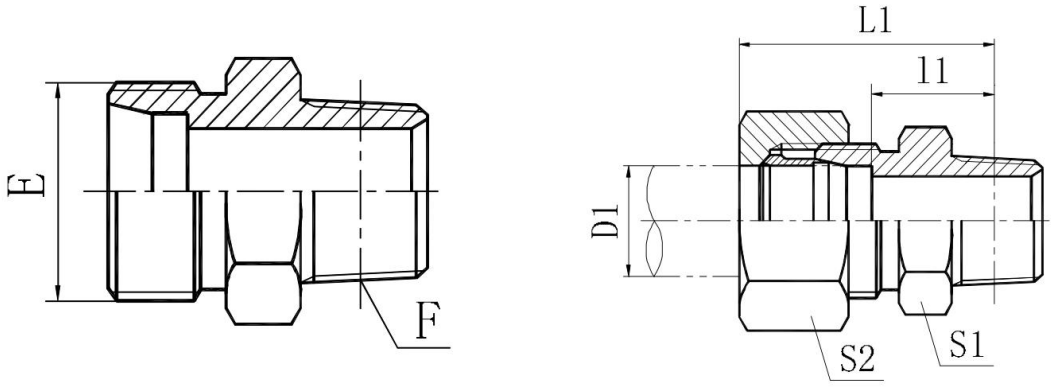
Port BSPP (parallel): ISO 7/1-Rp; BS 21-Rp (ISO 1179-1)

Port BSPT (taper): ISO 7/1-Rc/BS 21-Rc; DIN 2999-Rc (Japan: PT)

DIN NPT MALE STUD FITTING CATALOG

1CT Straight DIN BSPT Fittings

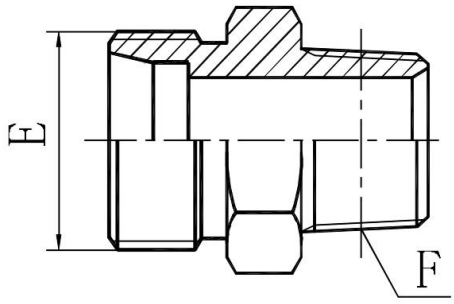
DIN 24° cone end/Male BSPT DIN 3852-2 Type C, Parker GE-R(KEG) male BSPT stud connector

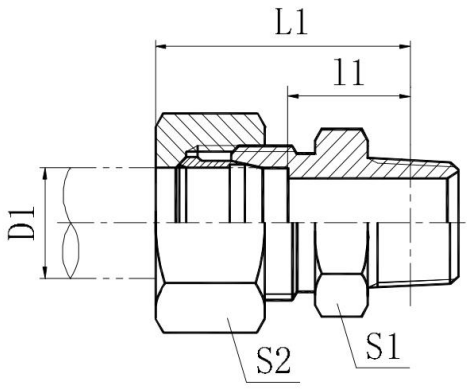


PART NO.	PARKER NO.	E	F	D1	l1	L1	S1	S2
L SERIES								
1CT-12-02SP	GE06LR1/8KEG	M12x1.5	R1/8"x28	6	13	28	12	14
1CT-12-04SP	GE06LR1/4KEG	M12x1.5	R1/4"x19	6	16.5	31.5	14	14
1CT-14-04SP	GE08LR1/8KEG	M14x1.5	R1/4"x19	8	16.5	31.5	14	17
1CT-14-06SP	GE08LR1/4KEG	M14x1.5	R3/8"x19	8	17.6	32.6	17	17
1CT-16-04SP	GE10LR1/4KEG	M16x1.5	R1/4"x19	10	17.5	32.5	17	19
1CT-16-06SP	GE10LR3/8KEG	M16x1.5	R3/8"x19	10	17.6	33.6	17	19
1CT-16-08SP	GE10LR1/2KEG	M16x1.5	R1/2"x14	10	21.8	36.8	22	19
1CT-16-12SP	GE10LR3/4KEG	M16x1.5	R3/4"x14	10	24.5	36.5	30	19
1CT-18-04SP	GE12LR1/4KEG	M18x1.5	R1/4"x19	12	18.5	33.5	19	22
1CT-18-06SP	GE12LR3/8KEG	M18x1.5	R3/8"x19	12	18.6	33.6	19	22
1CT-18-08SP	GE12LR1/2KEG	M18x1.5	R1/2"x14	12	21.8	36.8	22	22
1CT-22-08SP	GE15LR1/2KEG	M22x1.5	R1/2"x14	15	22.8	37.8	24	27
1CT-26-08SP	GE18LR1/2KEG	M26x1.5	R1/2"x14	18	23.3	39.8	27	32
1CT-26-12SP	GE18LR3/4KEG	M26x1.5	R3/4"x14	18	22	38.5	30	32
1CT-30-12SP	GE22LR3/4KEG	M30x2	R3/4"x14	22	24	40.5	32	36
1CT-36-16SP	GE28LR1KEG	M36x2	R1"x11	28	29.6	46.1	41	41
1CT-36-20SP	GE28LR11/4KEG	M36x2	R1.1/4"x11	28	29.3	45.8	46	41
1CT-45-16SP	GE35LR1KEG	M45x2	R1"x11	35	29.6	51.1	46	50
1CT-45-20SP	GE35LR11/4KEG	M45x2	R1.1/4"x11	35	28.3	49.8	46	50
1CT-52-20SP	GE42LR1KEG	M52x2	R1.1/4"x11	42	29.8	52.8	55	60
1CT-52-24SP	GE42LR11/2KEG	M52x2	R1.1/2"x11	42	29.8	52.8	55	60

1DT Straight DIN BSPT Fittings

DIN 24° cone end/Male BSPT DIN 3852-2 Type C, Parker GE-R(KEG) male BSPT stud connector

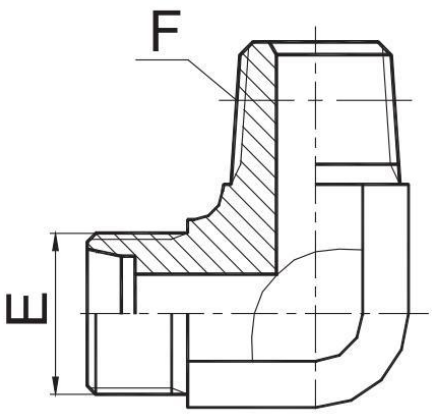


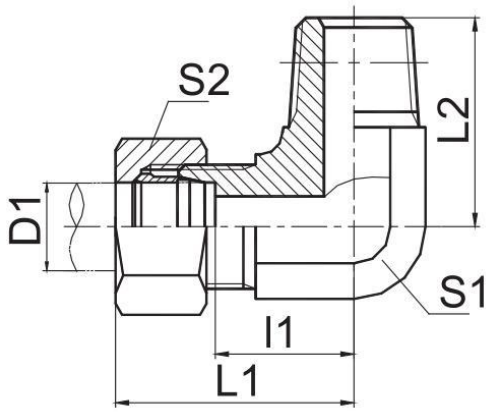


PART NO.	PARKER NO.	E	F	D1	l1	L1	S1	S2
S SERIES								
1DT-14-04SP	GE06S1R1/4KEG	M14x1.5	R1/4"x19	6	21.5	36.5	17	17
1DT-16-04SP	GE08SR1/4KEG	M16x1.5	R1/4"x19	8	21.5	36.5	17	19
1DT-18-04SP	GE10SR1/4KEG	M18x1.5	R1/4"x19	10	21	37.5	19	22
1DT-20-04SP	GE12SR1/4KEG	M20x1.5	R1/4"x19	12	23	39.5	22	24
1DT-20-06SP	GE12SR3/8KEG	M20x1.5	R3/8"x19	12	23.1	39.6	22	24
1DT-22-06SP	GE14SR3/8KEG	M22x1.5	R3/8"x19	14	24.6	42.6	24	27
1DT-22-08SP	GE14SR1/2KEG	M22x1.5	R1/2"x14	14	27.8	45.8	24	27
1DT-24-06SP	GE16SR3/8KEG	M24x1.5	R3/8"x19	16	24.1	42.6	27	30
1DT-24-08SP	GE16SR1/2KEG	M24x1.5	R1/2"x14	16	27.3	45.8	27	30
1DT-30-12SP	GE20SR3/4KEG	M30x2	R3/4"x14	20	28	49.5	32	36
1DT-36-12SP	GE25SR3/4KEG	M36x2	R3/4"x14	25	29.5	53.5	41	46
1DT-36-16SP	GE25SR1KEG	M36x2	R1"x11	25	35.1	58.1	41	46
1DT-42-16SP	GE30SR1KEG	M42x2	R1"x11	30	35.6	62.1	46	50
1DT-42-20SP	GE30SR11/4KEG	M42x2	R1.1/4"x11	30	34.3	60.8	46	50
1DT-52-20SP	GE38SR11/4KEG	M52x2	R1.1/4"x11	38	36.8	67.8	55	60
1DT-52-24SP	GE38SR11/2KEG	M52x2	R1.1/2"x11	38	36.8	67.8	55	60

1CT9 DIN BSPT Elbow Fittings

DIN 24° cone end/Male BSPT DIN 3852-2 Type C, Parker WE-R(KEG) male BSPT stud connector

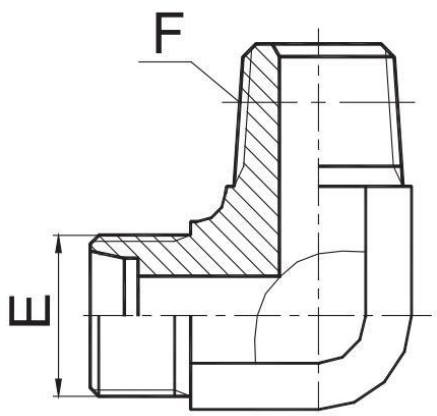


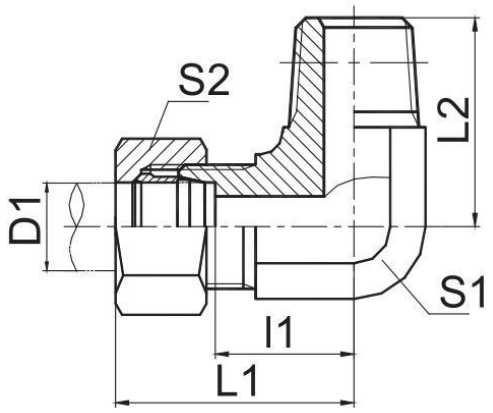


PART NO.	PARKER NO.	E	F	D1	l1	L1	L2	S1	S2
L SERIES									
1CT9-12-02SP	WE06LR	M12X1.5	R1/8"X28	6	13	28	21	11	14
1CT9-12-04SP	WE06LR1/4	M12X1.5	R1/4"X19	6	15.5	30.5	25.5	14	14
1CT9-14-02SP	WE08LR1/8	M14X1.5	R1/8"X28	8	15.5	30.5	23.5	14	17
1CT9-14-04SP	WE08LR	M14X1.5	R1/4"X19	8	15.5	30.5	25.5	14	17
1CT9-16-04SP	WE10LR	M16X1.5	R1/4"X19	10	17.5	32.5	26.5	16	19
1CT9-16-06SP	WE10LR3/8	M16X1.5	R3/8"X19	10	17.5	32.5	28.5	16	19
1CT9-16-08SP	WE10LR1/2	M16X1.5	R1/2"X14	10	21	36	36	22	19
1CT9-18-04SP	WE12LR1/4	M18X1.5	R1/4"X19	12	21	34	28	19	22
1CT9-18-06SP	WE12LR	M18X1.5	R3/8"X19	12	19	34	30.5	19	22
1CT9-18-08SP	WE12LR1/2	M18X1.5	R1/2"X14	12	21	36	36	22	22
1CT9-22-06SP	WE15LR3/8	M22X1.5	R3/8"X19	15	22	37	32.5	22	27
1CT9-22-08SP	WE15LR	M22X1.5	R1/2"X14	15	22	37	36	22	27
1CT9-22-12SP	WE15LR3/4	M22X1.5	R3/4"X14	15	25.5	40.5	43.5	27	27
1CT9-26-08SP	WE18LR	M26X1.5	R1/2"X14	18	25.5	42	39.5	27	32
1CT9-26-12SP	WE18LR3/4	M26X1.5	R3/4"X14	18	25.5	42	43.5	27	32
1CT9-30-12SP	WE22LR3/4	M30X2	R3/4"X14	22	29.5	45.8	45.3	30	36
1CT9-30-16SP	WE22LR1	M30X2	R1"X11	22	31.5	48	50	33	36
1CT9-36-16SP	WE28LR1	M36X2	R1"X11	28	33.3	49.8	52	36	41
1CT9-36-20SP	WE28LR11/4	M36X2	R1.1/4"X11	28	36.2	52.7	57	41	41
1CT9-45-20SP	WE35LR11/4	M45X2	R1.1/4"X11	35	39.2	60.7	61	48	50
1CT9-52-24SP	WE42LR11/2	M52X2	R1.1/2"X11	42	44.8	67.8	68	55	60

1DT9 DIN BSPT Elbow Fittings

DIN 24° cone end/Male BSPT DIN 3852-2 Type C, Parker WE-R(KEG) male BSPT stud connector

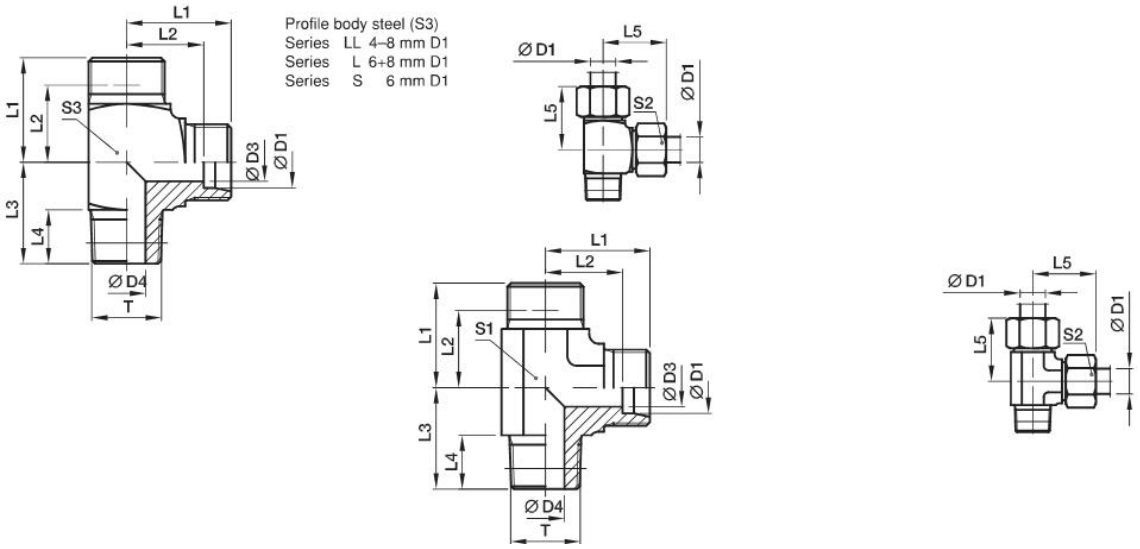




PART NO.	PARKER NO.	E	F	D1	l1	L1	L2	S1	S2
S SERIES									
1DT9-14-04SP	WE06SR	M14X1.5	R1/4"X19	6	17.5	32.5	25.5	14	17
1DT9-16-04SP	WE08SR	M16X1.5	R1/4"X19	8	18.7	33.7	26.5	16	19
1DT9-18-06SP	WE10SR	M18X1.5	R3/8"X19	10	19.5	36	30.5	19	22
1DT9-20-04SP	WE12SR1/4	M20X1.5	R1/4"X19	12	19.5	36	28	19	24
1DT9-20-06SP	WE12SR	M20X1.5	R3/8"X19	12	19.5	36	30.5	19	24
1DT9-22-06SP	WE14SR3/8	M22X1.5	R3/8"X19	14	23	41	32.5	22	27
1DT9-22-08SP	WE14SR	M22X1.5	R1/2"X14	14	23	41	36	22	27
1DT9-24-06SP	WE16SR3/8	M24X1.5	R3/8"X19	16	24	42.5	33.5	24	30
1DT9-24-08SP	WE16SR	M24X1.5	R1/2"X14	16	24	42.5	37.3	24	30
1DT9-30-08SP	WE20SR1/2	M30X2	R1/2"X14	20	28.3	49.8	41	30	36
1DT9-30-12SP	WE20SR3/4	M30X2	R3/4"X14	20	28.3	49.8	45.3	30	36
1DT9-36-12SP	WE25SR3/4	M36X2	R3/4"X14	25	33.3	57.3	52	36	46
1DT9-36-16SP	WE25SR1	M36X2	R1"X11	25	32.8	56.8	52.5	36	46
1DT9-42-16SP	WE30SR1	M42X2	R1"X11	30	36.2	62.7	56.5	41	50
1DT9-42-20SP	WE30SR11/4	M42X2	R1.1/4"X11	30	36.2	62.7	57	41	50
1DT9-52-20SP	WE38SR11/4	M52X2	R1.1/4"X11	38	45.8	76.8	67	55	60
1DT9-52-24SP	WE38SR11/2	M52X2	R1.1/2"X11	38	45.8	76.8	68	55	60

AC-R DIN BSPT Run Tee Fittings

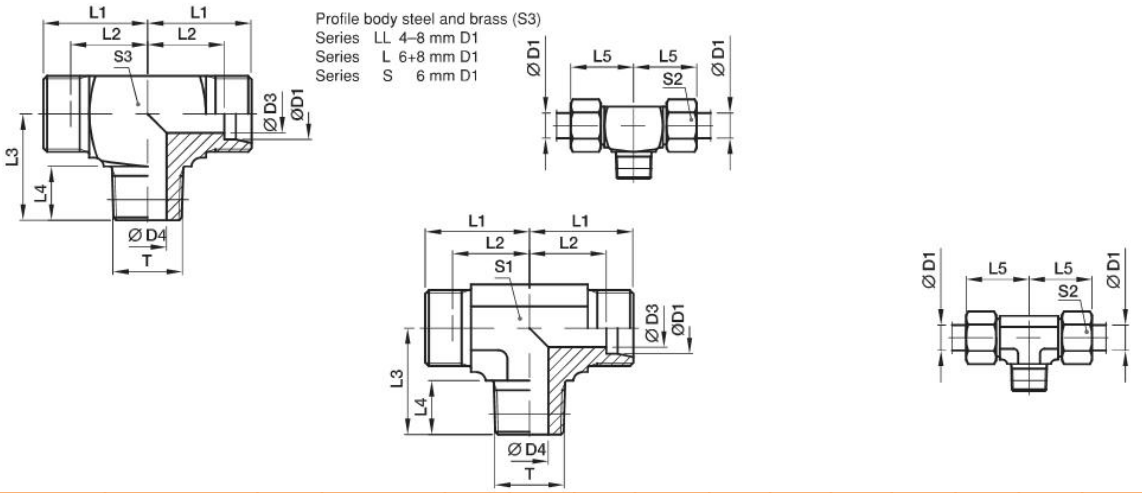
DIN 24° cone end/DIN 24° cone end/Male BSPT DIN 3852-2 Type C, Parker LE-R(KEG) male BSPT stud



PART NO.	PARKER NO.	D1	T	D3	D4	L1	L2	L3	L4	L5	S1	S2	S3	g/1 pcs
LL SERIES														
AC04LLR	LE04LLR	4	R1/8tap.	3	4	15	11	17	8	21	9	10	11	20
AC06LLR	LE06LLR	6	R1/8tap.	4.5	4.5	15	9.5	17	8	21	9	12	11	21
AC08LLR	LE08LLR	8	R1/8tap.	6	6	17	11.5	20	8	23	12	14	12	28
L SERIES														
AC06LR	LE06LR	6	R1/8tap.	4	4	19	12	20	8	27	12	14	12	40
AC08LR	LE08LR	8	R1/4tap.	6	6	21	14	26	12	29	12	17	14	57
AC10LR	LE10LR	10	R1/4tap.	8	7	22	15	27	12	30	14	19		50
AC12LR	LE12LR	12	R3/8tap.	10	9	24	17	28	12	32	17	22		60
AC15LR	LE15LR	15	R1/2tap.	12	11	28	21	34	14	36	19	27		115
AC18LR	LE18LR	18	R1/2tap.	15	14	31	23.5	36	14	40	24	32		145
S SERIES														
AC06SR	LE06SR	6	R1/4tap.	4	4	23	16	26	12	31	12	17	14	71
AC08SR	LE08SR	8	R1/4tap.	5	5	24	17	27	12	32	14	19		62
AC10SR	LE10SR	10	R3/8tap.	7	7	25	17.5	28	12	34	17	22		82
AC12SR	LE12SR	12	R3/8tap.	8	8	29	21.5	28	12	38	17	24		102
AC14SR	LE14SR	14	R1/2tap.	10	10	30	22	32	14	40	19	27		130
AC16SR	LE16SR	16	R1/2tap.	12	12	33	24.5	32	14	43	24	30		193

BC-R DIN BSPT Branch Tee Fittings

DIN 24° cone end/Male BSPT DIN 3852-2 Type C/DIN 24° cone end, Parker LE-R(KEG) male BSPT stud



PART NO.	PARKER NO	D1	T	D3	D4	L1	L2	L3	L4	L5	S1	S2	S3	g/1pc
LL SERIES														
BC04LLR	TE04LLR	4	R1/8keg	3	4	15	11	17	8	21	9	10	11	21
BC06LLR	TE06LLR	6	R1/8keg	45	45	15	95	17	8	21	9	12	11	21
BC08LLR	TE08LLR	8	R1/8keg	6	6	17	115	20	8	23	12	14	12	29
L SERIES														
BC06LR	TE06LR	6	R1/8keg	4	4	19	12	20	8	27	12	14	12	38
BC08LR	TE08LR	8	R1/4keg	6	6	21	14	26	12	29	12	17	14	58
BC10LR	TE10LR	10	R1/4keg	8	7	22	15	27	12	30	14	19		43
BC12LR	TE12LR	12	R3/8keg	10	9	24	17	28	12	32	17	22		61
BC15LR	TE15LR	15	R1/2keg	12	11	28	21	34	14	36	19	27		113
BC18LR	TE18LR	18	R1/2keg	15	14	31	235	36	14	40	24	32		149
S SERIES														
BC06SR	TE06SR	6	R1/4keg	4	4	23	16	26	12	31	12	17	14	73
BC08SR	TE08SR	8	R1/4keg	5	5	24	17	27	12	32	14	19		61
BC10SR	TE10SR	10	R3/8keg	7	7	25	175	28	12	34	17	22		82
BC12SR	TE12SR	12	R3/8keg	8	8	29	215	28	12	38	17	24		105
BC14SR	TE14SR	14	R1/2keg	10	10	30	22	32	14	40	19	27		134
BC16SR	TE16SR	16	R1/2keg	12	12	33	245	32	14	43	24	30		175

BS 21 - Pressure Tight Pipe Thread Joints

BSPT - British Standard Pipe Taper threads & BSP or BSPF - British Standard Pipe Parallel (Straight) threads.
BS taper threads are also referred to as British Standard Taper Pipe, Pipe Taper or Conical Thread.
Common symbols used for the thread: BSPT, BSPTr, PT, KR, R, Rc
Usually marked: Rc size ISO
Characteristics of BSPT taper threads:
tapered thread 1degreee 47'
truncation of roots and crests are rounded
55 degree thread angle
pitch is measured in threads per inch
taper is 3/4" per foot or 1 in 16 on the diameter
ISO 7 - Pipe Threads where Pressure-tight Joints are made on the Threads

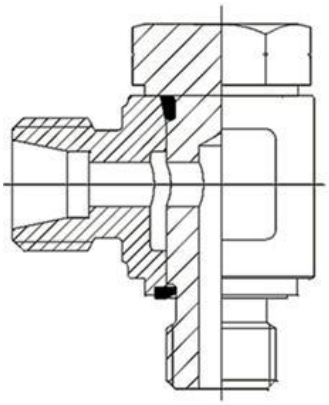
Pipe Size (inches)	Threads per Inch TPI - Pitch	Major Diameter OD (inches)	Pitch (mm)	Major Diameter (mm)	Minor Diameter (mm)
1/16"	28	0.304	0.907	7.723	6.561
1/8"	28	0.383	0.907	9.728	8.566
1/4"	19	0.518	1.337	13.157	11.445
3/8"	19	0.656	1.337	16.662	14.95
1/2"	14	0.825	1.814	20.955	18.631
5/8"	14	0.902	1.814	22.911	20.587
3/4"	14	1.041	1.814	26.441	24.117
7/8"	14	1.189	1.814	30.201	27.877
1"	11	1.309	2.309	33.249	30.291
1-1/8"	11	1.49	2.309	37.897	34.939
1-1/4"	11	1.65	2.309	41.91	38.952
1-1/2"	11	1.882	2.309	47.803	44.845
1-3/4"	11	2.116	2.309	53.746	50.788
2"	11	2.347	2.309	59.614	56.656
2-1/4"	11	2.587	2.309	65.71	62.752
2-1/2"	11	2.96	2.309	75.189	72.226
3"	11	3.46	2.309	87.844	84.926

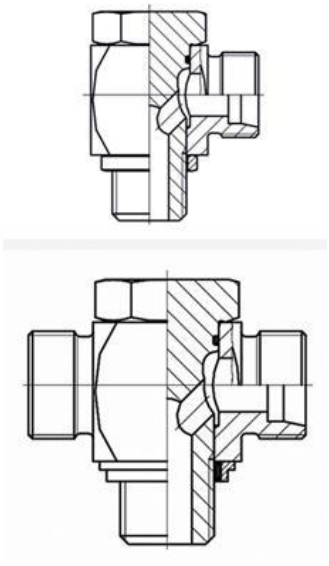
1 inch (in) = 25.4 millimeter (mm)
1 millimeter (mm) = 0.03937 inch (in)
Reference standards for BS 21 tapered pipe threads are:

ISO 7/1
DIN 2999 - Germany
JIS B 0203 - Japan

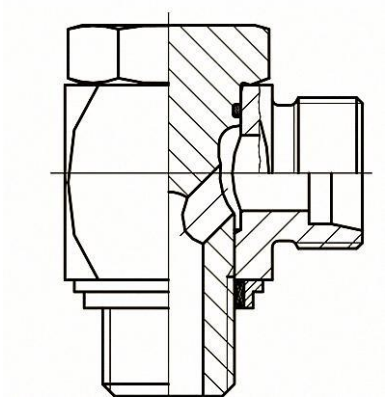
DIN HYDRAULIC FITTINGS DIN 2353/ISO 8434-1 Banjo

DIN Banjo Fitting/DIN Banjo Coupling





From 24 Degree Cone to Banjo Fittings



BANJO FITTING SEAL TYPES:

Male metric bolt with KDS/DKA sealing ring and ED seal

Male BSPP bolt with KDS/DKA sealing ring and ED seal

Shapes of DIN Banjo Fittings

Elbow DIN Banjo Fittings

Tee DIN Banjo Fittings

Match Port types Standards As Follows:

BSPP Port ISO 9974-1 and DIN 3852-1

Metric Port ISO 1179-1 and DIN 3852-2

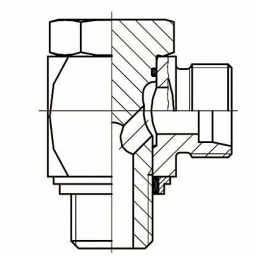
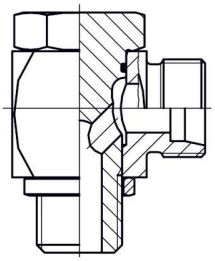
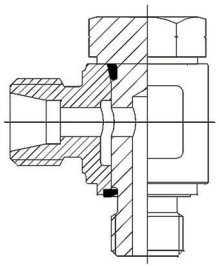
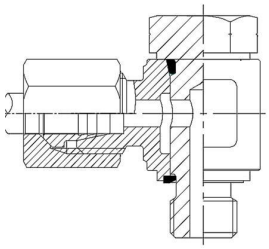
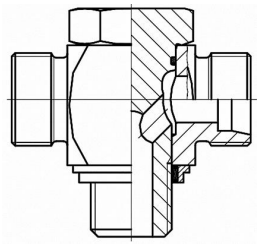
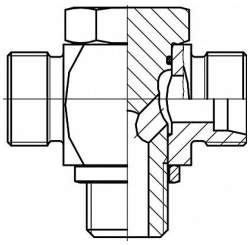
FITSCH

DIN Banjo Fittings Introduction

This DIN Banjo connector is from DIN 24 degree cone tube end to banjo stud ends, male BSPP and Metric thread sealing by KDS/DKA sealing ring and ED seal, it will be matched with port tapping parallel thread stands of BSPP Port ISO 9974-1/ DIN 3852-1 and Metric Port ISO 1179-1/ DIN 3852-2. And copper washer ring seal is also used in LL series of banjo fitting in centralized lubrication system with customized sizes design.

Overview catalogue Of DIN Banjo Fittings Connectors

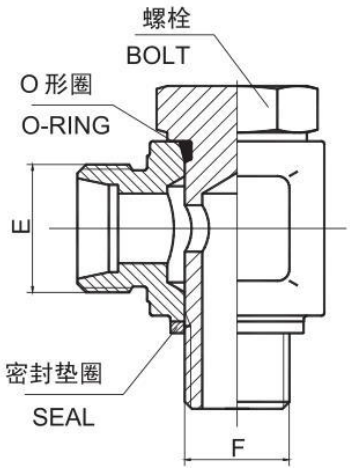
DIN banjo fitting is made of these shapes(Parker-Eaton series no), from forging/shape material as follows:

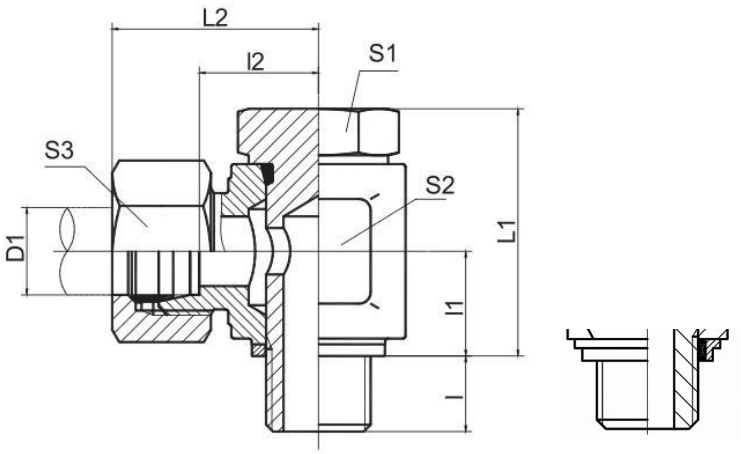
WH-M-KDS / 1CI 	**WH-M /R** 	**WH-R-ED / 1CI-BED** 
1CI-BWDRN 	**TH-M-KDS/TH-R-KDS** 	**TH-M/TH-R** 

DIN HYDRAULIC FITTINGS DIN 2353/ISO 8434-1 Banjo

1CI 1DI DIN Banjo Fittings

DIN 24° cone end/Male Metric ISO 9974, Parker WH-M-KDS with KDS soft seal ring



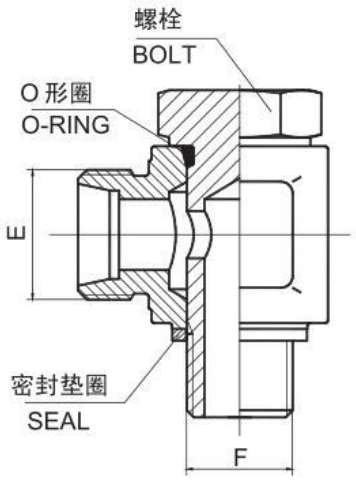


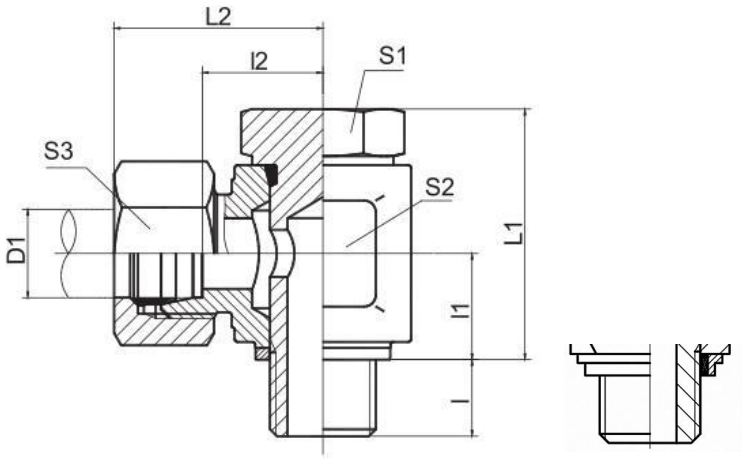
PART NO.	PARKER NO.	E	F	TUBE O.D.	I	I1	L1	I2	L2	S1	S2	S3	BOLT	O O-RING	KDS SEAL
1CI-12-10	WH06LMKDSOMD	M12X1.5	M10X1	6	8	11	25.5	12	27	14	17	14	700M-10I	O08.1X1.6	KDS-10
1CI-14-12	WH08LMKDSOMD	M14X1.5	M12X1.5	8	12	14.5	33	14.5	29	17	22	17	700M-12I	O09.3X2.4	KDS-12
1CI-16-14	WH10LMKDSOMD	M16X1.5	M14X1.5	10	12	14.5	33	16.5	31	19	24	19	700M-14I	O11.3X2.4	KDS-14
1CI-18-16	WH12LMKDSOMD	M18X1.5	M16X1.5	12	12	17	39	19	34	22	27	22	700M-16I	O13.3X2.4	KDS-16
1CI-22-18	WH15LMKDSOMD	M22X1.5	M18X1.5	15	12	18.5	42	21.5	37	24	30	27	700M-18I	O15.3X2.4	KDS-18
1CI-26-22	WH18LMKDSOMD	M26X1.5	M22X1.5	18	14	21.5	49	22	38	27	32	32	700M-22I	O19.3X2.4	KDS-22
1CI-30-26	WH22LMKDSOMD	M30X2	M26X1.5	22	16	24	56	28.5	45	36	41	36	700M-26I	O23.5X3.0	KDS-26
1CI-36-33	WH28LMKDSOMD	M36X2	M33X2	28	18	30.5	71	33	50	41	50	41	700M-33I	O29.5X3.0	KDS-33
1CI-45-42	WH35LMKDSOMD	M45X2	M42X2	35	20	35.5	82	37	59	50	60	50	700M-42I	O38.5X3.0	KDS-42
1CI-52-48	WH42LMKDSOMD	M52X2	M48X2	42	22	40.5	93	41.5	64	55	70	60	700M-48I	O44.5X3.0	KDS-48
1DI-14-12	WH06SMKDSOMD	M14X1.5	M12X1.5	6	12	14.5	33	16.5	31	17	22	17	700M-12I	O09.3X2.4	KDS-12
1DI-16-14	WH08SMKDSOMD	M16X1.5	M14X1.5	8	12	14.5	33	17.5	32	19	24	19	700M-14I	O11.3X2.4	KDS-14
1DI-18-16	WH10SMKDSOMD	M18X1.5	M16X1.5	10	12	17	39	19.5	36	22	27	22	700M-16I	O13.3X2.4	KDS-16
1DI-20-18	WH12SMKDSOMD	M20X1.5	M18X1.5	12	12	18.5	42	21	37	24	30	24	700M-18I	O15.3X2.4	KDS-18
1DI-22-20	WH14SMKDOMD	M22X1.5	M20X1.5	14	14	20	46	23.5	41	27	32	27	700M-20I	O17.3X2.4	KDO-20
1DI-24-22	WH16SMKDSOMD	M24X1.5	M22X1.5	16	14	21.5	49	23	41	27	32	30	700M-22I	O19.3X2.4	KDS-22
1DI-30-27	WH20SMKDSOMD	M30X2	M27X2	20	16	24	56	27.5	49	36	41	36	700M-27I	O23.5X3.0	KDS-27
1DI-36-33	WH25SMKDSOMD	M36X2	M33X2	25	18	30.5	71	32.5	57	41	50	46	700M-33I	O29.5X3.0	KDS-33
1DI-42	WH30SMKDSOMD	M42X2	M42X2	30	20	35.5	82	38	65	50	60	50	700M-42I	O38.5X3.0	KDS-42
1DI-52-48	WH38SMKDSOMD	M52X2	M48X2	38	22	40.5	93	42.5	73	55	70	60	700M-48I	O44.5X3.0	KDS-48

DIN HYDRAULIC FITTINGS DIN 2353/ISO 8434-1 Banjo

1CI-B 1DI-B DIN Banjo Fittings

DIN 24° cone end/Male BSPP ISO 1179, Parker WH-R-KDS with KDS soft seal ring

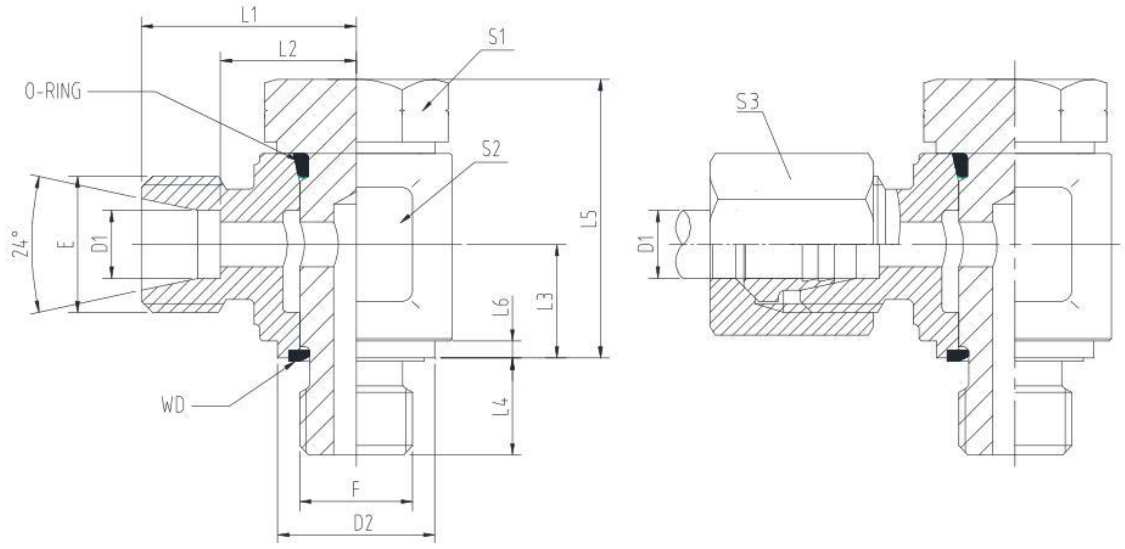




PART NO.	PARKER NO.	E	F	TUBE O.D.	l	l1	L1	l2	L2	S1	S2	S3	BOLT	O O-RING	KDS SEAL
L SERIES															
1CI-12-B02	WH06LRKDSOMD	M12X1.5	G1/8"	6	8	11	25.5	12	27	14	17	14	720B-02I	O08.1X1.6	KDS-10
1CI-14-B04	WH08LRKDSOMD	M14X1.5	G1/4"	8	12	14.5	33	15.5	30	19	24	17	720B-04I	O11.3X2.4	KDS-14
1CI-16-B04	WH10LRKDSOMD	M16X1.5	G1/4"	10	12	14.5	33	16.5	31	19	24	19	720B-04I	O11.3X2.4	KDS-14
1CI-18-B06	WH12LRKDSOMD	M18X1.5	G3/8"	12	12	16.5	38	19	34.5	24	27	22	720B-06I	O15.3X2.4	KDS-18
1CI-22-B08	WH15LRKDSOMD	M22X1.5	G1/2"	15	14	21.5	49	22.5	38	27	32	27	720B-08I	O19.3X2.4	KDS-22
1CI-26-B08	WH18LRKDSOMD	M26X1.5	G1/2"	18	14	21.5	49	22	38	27	32	32	720B-08I	O19.3X2.4	KDS-22
1CI-30-B12	WH22LRKDSOMD	M30X2	G3/4"	22	16	24	56	28.5	45	36	41	36	720B-12I	O23.5X3.0	KDS-27
1CI-36-B16	WH28LRKDSOMD	M36X2	G1"	28	18	30.5	71	33	50	41	50	41	720B-16I	O29.5X3.0	KDS-33
1CI-45-B20	WH35LRKDSOMD	M45X2	G1.1/4"	35	20	35.5	82	37	59	50	60	50	720B-20I	O38.5X3.0	KDS-42
1CI-52-B24	WH42LRKDSOMD	M52X2	G1.1/2"	42	22	40.5	93	41.5	64	55	70	60	720B-24I	O44.5X3.0	KDS-48
S SERIES															
1DI-14-B04	WH06SRKDSOMD	M14X1.5	G1/4"	6	12	14.5	33	17.5	32	19	24	17	720B-04I	O11.3X2.4	KDS-14
1DI-16-B04	WH08SRKDSOMD	M16X1.5	G1/4"	8	12	14.5	33	17.5	32	19	24	19	720B-04I	O11.3X2.4	KDS-14
1DI-18-B06	WH10SRKDSOMD	M18X1.5	G3/8"	10	12	16.5	38	21	38	24	30	22	720B-06I	O15.3X2.4	KDS-18
1DI-20-B06	WH12SRKDSOMD	M20X1.5	G3/8"	12	12	16.5	38	21	38	24	30	24	720B-06I	O15.3X2.4	KDS-18
1DI-22-B08	WH14SRKDSOMD	M22X1.5	G1/2"	14	14	21.5	49	23.5	41	27	32	27	720B-08I	O19.3X2.4	KDS-22
1DI-24-B08	WH16SRKDSOMD	M24X1.5	G1/2"	16	14	21.5	49	23	41	27	32	30	720B-08I	O19.3X2.4	KDS-22
1DI-30-B12	WH20SRKDSOMD	M30X2	G3/4"	20	16	24	56	27.5	49	36	41	36	720B-12I	O23.5X3.0	KDS-27
1DI-36-B16	WH25SRKDSOMD	M36X2	G1"	25	18	30.5	71	32.5	57	41	50	46	720B-16I	O29.5X3.0	KDS-33
1DI-42-B20	WH30SRKDSOMD	M42X2	G1.1/4"	30	20	35.5	82	38	65	50	60	50	720B-20I	O38.5X3.0	KDS-42
1DI-52-B24	WH38SRKDSOMD	M52X2	G1.1/2"	38	22	40.5	93	42.5	73	55	70	60	720B-24I	O44.5X3.0	KDS-48

1CI-WD 1DI-WD DIN Banjo Fittings

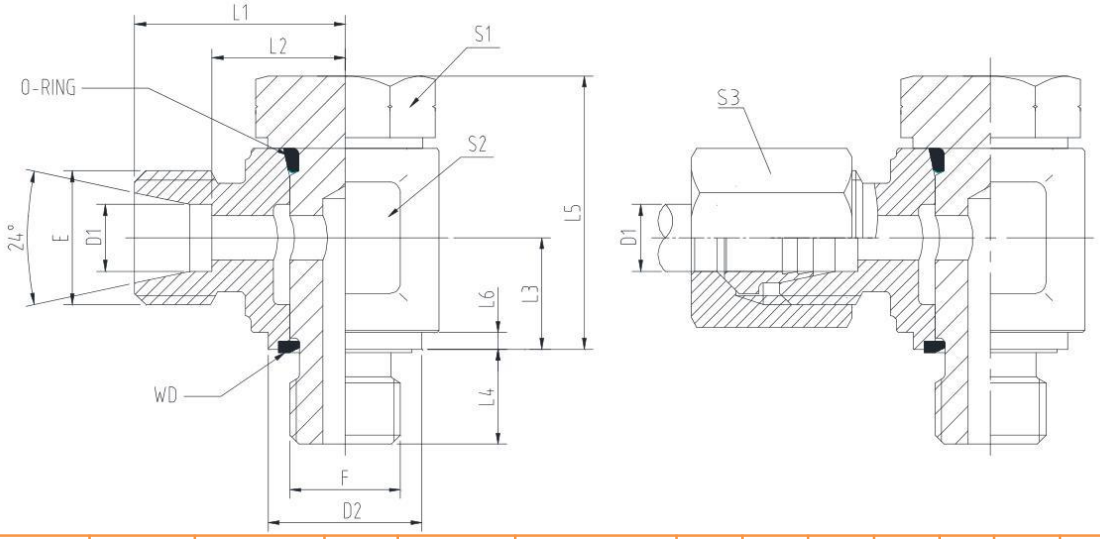
DIN 24° cone end/Male Metric ISO 9974 with ED seal



PART NO.	E	F	TUBE O.D.	O-RING	CAPTIVE SEAL	D2	L1	L2	L3	L4	L5	L6	S1	S2	S3
L SERIES															
1CI-12-10WD	M12X1.5	M10X1	6	O08.1X1.6	WD-B02	13.9	19	12	10	8.5	24.5	1.5	14	17	14
1CI-14-12WD	M14X1.5	M12X1.5	8	O09.3X2.2	WD-M12	16.9	21.5	14.5	13.5	12	32	2	17	22	17
1CI-16-14WD	M16X1.5	M14X1.5	10	O11.3X2.2	WD-B04	18.9	23.5	16.5	13.5	12	32	2	19	24	19
1CI-16WD	M16X1.5	M16X1.5	10	O13.3X2.2	WD-M16	21.9	26	19	16	12	38	2	22	27	19
1CI-18-16WD	M18X1.5	M16X1.5	12	O13.3X2.2	WD-M16	21.9	26	19	16	12	38	2	22	27	22
1CI-22-18WD	M22X1.5	M18X1.5	15	O15.3X2.2	WD-M18	23.9	28.5	21.5	17.5	12	41	2.5	24	30	27
1CI-22WD	M22X1.5	M22X1.5	15	O19.3X2.2	WD-M22	26.9	29.5	22.5	20.5	14	48	3	27	32	27
1CI-26-22WD	M26X1.5	M22X1.5	18	O19.3X2.2	WD-M22	26.9	29.5	22	20.5	14	48	3	27	32	32
1CI-30-22WD	M30X2	M22X1.5	22	O19.3X2.2	WD-M22	26.9	36	28.5	24	14	54	3	27	41	36
1CI-30-26WD	M30X2	M26X1.5	22	O23.6X2.9	WD-B12	31.9	36	28.5	24	16	56	3	36	41	36
1CI-36-33WD	M36X2	M33X2	28	O29.6X2.9	WD-B16	39.9	40.5	33	29.5	18	70	3	41	50	41
1CI-45-42WD	M45X2	M42X2	35	O38.6X2.9	WD-B20	49.9	47.5	37	35	20	81.5	3	50	60	50
1CI-52-48WD	M52X2	M48X2	42	O44.6X2.9	WD-B24	54.9	52.5	41.5	40	22	92.5	3	55	70	60
S SERIES															
1DI-14-12WD	M14X1.5	M12X1.5	6	O09.3X2.2	WD-M12	16.9	23.5	16.5	13.5	12	32	2	17	22	17
1DI-16-14WD	M16X1.5	M14X1.5	8	O11.3X2.2	WD-B04	18.9	24.5	17.5	13.5	12	32	2	19	24	19
1DI-18-16WD	M18X1.5	M16X1.5	10	O13.3X2.2	WD-M16	21.9	27	19.5	16	12	38	2	22	27	22
1DI-20-18WD	M20X1.5	M18X1.5	12	O15.3X2.2	WD-M18	23.9	28.5	21	17.5	12	41	2.5	24	30	24
1DI-22-20WD	M22X1.5	M20X1.5	14	O17.3X2.2	WD-M20	25.9	31.5	23.5	20	14	46	2.5	27	32	27
1DI-24-22WD	M24X1.5	M22X1.5	16	O19.3X2.2	WD-M22	26.9	31.5	23	20.5	14	48	3	27	32	30
1DI-30-26WD	M30X2	M26X1.5	20	O23.6X2.9	WD-B12	31.9	38	27.5	24	16	56	3	36	41	36
1DI-30-27WD	M30X2	M27X2	20	O23.6X2.9	WD-B12	31.9	38	27.5	24	16	56	3	36	41	36
1DI-36-33WD	M36X2	M33X2	25	O29.6X2.9	WD-B16	39.9	44.5	32.5	29.5	18	70	3	41	50	46
1DI-42WD	M42X2	M42X2	30	O38.6X2.9	WD-B20	49.9	51.5	38	35	20	81.5	3	50	60	50
1DI-52-42WD	M52X2	M42X2	38	O38.6X2.9	WD-B20	49.9	58.5	42.5	40	20	91.5	3	50	70	60
1DI-52-48WD	M52X2	M48X2	38	O44.6X2.9	WD-B24	54.9	58.5	42.5	40	22	92.5	3	55	70	60

1CI-BWD 1CI-BWD DIN Banjo Fittings

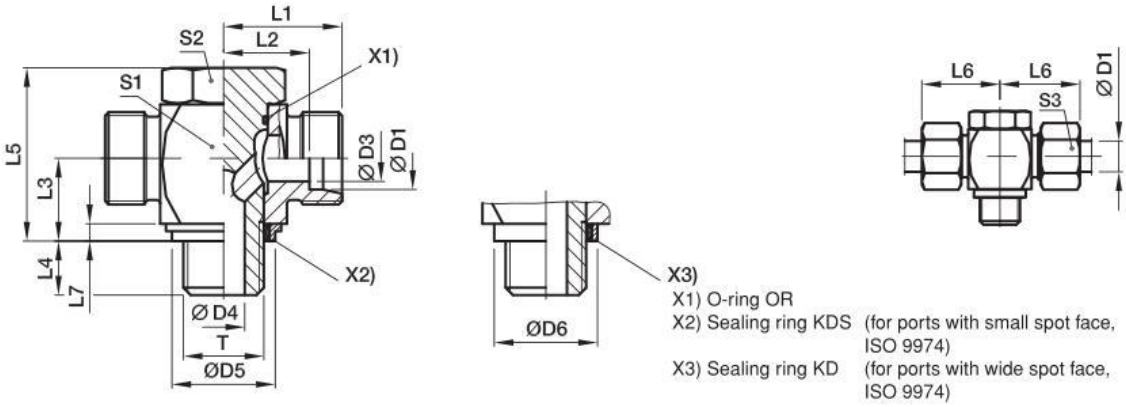
DIN 24° cone end/Male BSPP ISO 1179 with ED seal



PART NO.	E	F	D1 TUBE O.D.	O O-RING	CAPTIVE SEAL	D2	L1	L2	L3	L4	L5	L6	S1	S2	S3
L SERIES															
1CI-12-B02WD	M12X1.5	G1/8"X28	6	O08.1X1.6	WD-B02	13.9	19	12	10	8.5	24.5	1.5	14	17	14
1CI-14-B04WD	M14X1.5	G1/4"X19	8	O11.3X2.2	WD-B04	18.9	22.5	15.5	13.5	12	32	2	19	24	17
1CI-16-B04WD	M16X1.5	G1/4"X19	10	O11.3X2.2	WD-B04	18.9	23.5	16.5	13.5	12	32	2	19	24	19
1CI-18-B04WD	M18X1.5	G1/4"X19	12	O11.3X2.2	WD-B04	18.9	26	19	15.5	12	36	2	19	27	22
1CI-18-B06WD	M18X1.5	G3/8"X19	12	O15.3X2.2	WD-B06	21.9	26	19	15.5	12	37	2.5	24	27	22
1CI-18-B08WD	M18X1.5	G1/2"X14	12	O19.3X2.2	WD-B08	26.9	28.5	21.5	20.5	14	48	3	27	32	27
1CI-22-B08WD	M22X1.5	G1/2"X14	15	O19.3X2.2	WD-B08	26.9	29.5	22.5	20.5	14	48	3	27	32	27
1CI-26-B08WD	M26X1.5	G1/2"X14	18	O19.3X2.2	WD-B08	26.9	29.5	22	20.5	14	48	3	27	32	32
1CI-30-B12WD	M30X2	G3/4"X14	22	O23.6X2.9	WD-B12	31.9	36	28.5	24	16	56	3	36	41	36
1CI-36-B16WD	M36X2	G1"X11	28	O29.6X2.9	WD-B16	39.9	40.5	33	29.5	18	70	3	41	50	41
1CI-45-B20WD	M45X2	G1.1/4"X11	35	O38.6X2.9	WD-B20	49.9	47.5	37	35	20	81.5	3	50	60	50
1CI-52-B24WD	M52X2	G1.1/2"X11	42	O44.6X2.9	WD-B24	54.9	52.5	41.5	40	22	92.5	3	55	70	60
S SERIES															
1DI-14-B04WD	M14X1.5	G1/4"X19	6	O11.3X2.2	WD-B04	18.9	24.5	17.5	13.5	12	32	2	19	24	17
1DI-16-B04WD	M16X1.5	G1/4"X19	8	O11.3X2.2	WD-B04	18.9	24.5	17.5	13.5	12	32	2	19	24	19
1DI-18-B06WD	M18X1.5	G3/8"X19	10	O15.3X2.2	WD-B06	21.9	27	19.5	15.5	12	37	2.5	24	27	22
1DI-20-B06WD	M20X1.5	G3/8"X19	12	O15.3X2.2	WD-B06	21.9	28.5	21	15.5	12	37	2.5	24	30	24
1DI-22-B08WD	M22X1.5	G1/2"X14	14	O19.3X2.2	WD-B08	26.9	31.5	23.5	20.5	14	48	3	27	32	27
1DI-24-B08WD	M24X1.5	G1/2"X14	16	O19.3X2.2	WD-B08	26.9	31.5	23	20.5	14	48	3	27	32	30
1DI-30-B12WD	M30X2	G3/4"X14	20	O23.6X2.9	WD-B12	31.9	38	27.5	24	16	56	3	36	41	36
1DI-36-B16WD	M36X2	G1"X11	25	O29.6X2.9	WD-B16	39.9	44.5	32.5	29.5	18	70	3	41	50	46
1DI-42-B20WD	M42X2	G1.1/4"X11	30	O38.6X2.9	WD-B20	49.9	51.5	38	35	20	81.5	3	50	60	50
1DI-52-B24WD	M52X2	G1.1/2"X11	38	O44.6X2.9	WD-B24	54.9	58.5	42.5	40	22	92.5	3	55	70	60

TH-M-KDS High Pressure DIN Banjo Tee Fittings

DIN 24° cone end/Male Metric ISO 9974 with KDS seal

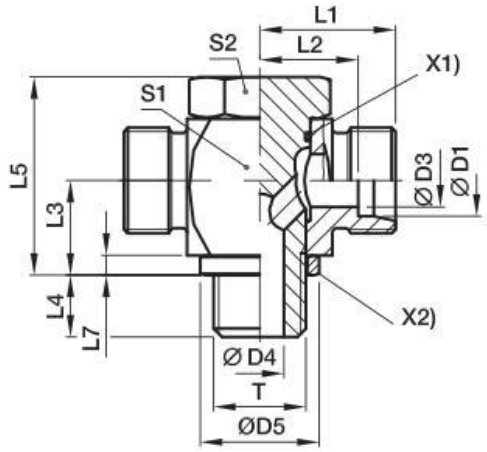


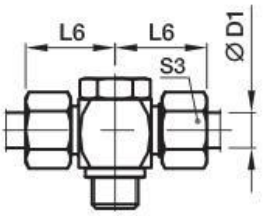
X1) O-ring OR
X2) Sealing ring KDS (for ports with small spot face, ISO 9974)
X3) Sealing ring KD (for ports with wide spot face, ISO 9974)

PART NO.	D1	T	D3	D4	D5 KDS	D6 KD	L1	L2	L3	L4	L5	L6	L7	S1	S2	S3	Weight g/1 PCS
L SERIES																	
TH06LMKDSOMD	6	M10×1	4	4.5	14.9	17	19	12	0.5	8	24	27	2.5	17	17	14	59
TH08LMKDSOMD	8	M12×1.5	6	6	17	22	21.5	14.5	14	12	30	29	3	22	19	17	104
TH10LMKDSOMD	10	M14×1.5	8	6	18.9	22.5	22.5	15.5	14	12	30	30	3	22	19	19	112
TH12LMKDSOMD	12	M16×1.5	10	7.5	21.9	27	25	18	16.5	12	36	33	3	27	24	22	192
TH15LMKDSOMD	15	M18×1.5	11	9	23.9	29	27.5	21.5	18.5	12	39.5	37	3	30	30	27	258
TH18LMKDSOMD	18	M22×1.5	15	12	26.9	32	28.5	21	21.5	14	45	37	4.5	32	30	32	337
TH22LMKDSOMD	22	M26×1.5	19	17	31.9	41	35	27.5	24	16	53	44	3.5	41	36	36	589
TH28LMKDSOMD	28	M33×2	24	21	39.9	46	39.5	32	30.5	18	66	49	3.5	50	46	41	1072
TH35LMKDSOMD	35	M42×2	30	27	49.9	57	46.5	36	35.5	20	76	58	3.5	60	55	50	1778
TH42LMKDSOMD	42	M48×2	36	34	55.9	64	51.5	40.5	40.5	22	87	63	3.5	70	60	60	2566
S SERIES																	
TH06SMKDSOMD	6	M12×1.5	4	6	17	22	23.5	16.5	14	12	30	31	3	22	19	17	112
TH08SMKDSOMD	8	M14×1.5	5	6	18.9	22.5	23.5	16.5	14	12	30	31	3	22	19	19	123
TH10SMKDSOMD	10	M16×1.5	7	7.5	21.9	27	26	18.5	16.5	12	36	35	3	27	24	22	200
TH12SMKDSOMD	12	M18×1.5	8	9	23.9	29	27.5	20	18.5	12	39.5	36	3	27	27	24	261
TH14SMKDOMD	14	M20×1.5	10	10		32	30.5	22.5	20	14	43.5	40	3	32	30	27	334
TH16SMKDSOMD	16	M22×1.5	12	12	26.9	32	30.5	22	21.5	14	45	40	4.5	32	30	30	351
TH20SMKDSOMD	20	M27×2	16	16	32.9	41	37	26.5	24	16	53	48	3.5	41	36	36	629
TH25SMKDSOMD	25	M33×2	20	21	39.9	46	43.5	31.5	30.5	18	66	56	3.5	50	46	46	1106
TH30SMKDSOMD	30	M42×2	25	27	49.9	57	50.5	37	35.5	20	76	64	3.5	60	55	50	1843
TH38SMKDSOMD	38	M48×2	32	34	55.9	64	57.5	41.5	40.5	22	87	72	3.5	70	60	60	2744

TH-M High Pressure DIN Banjo Tee Fittings

DIN 24° cone end/Male Metric ISO 9974 with DKA metal seal



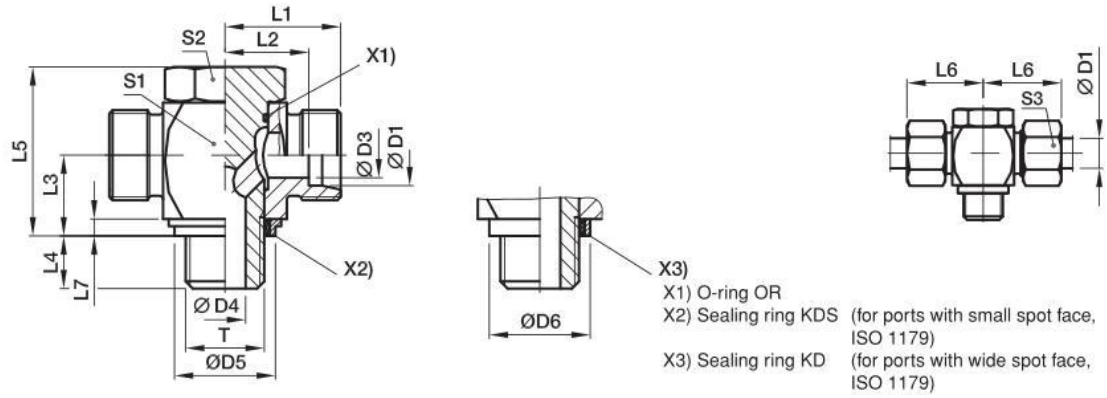


X1) O-ring OR
X2) Sealing ring DKA

PART NO.	D1	T	D3	D4	D5 DKA	L1	L2	L3	L4	L5	L6	L7	S1	S2	S3	Weight g/1 PCS
TH06LMOMD	6	M10×1	4	4.5	14.9	19	12	0.5	8	24	27	2.5	17	17	14	59
TH08LMOMD	8	M12×1.5	6	6	17	21.5	14.5	14	12	30	29	3	22	19	17	104
TH10LMOMD	10	M14×1.5	8	6	18.9	22.5	15.5	14	12	30	30	3	22	19	19	112
TH12LMOMD	12	M16×1.5	10	7.5	21.9	25	18	16.5	12	36	33	3	27	24	22	192
TH15LMOMD	15	M18×1.5	11	9	23.9	27.5	21.5	18.5	12	39.5	37	3	30	30	27	258
TH18LMOMD	18	M22×1.5	15	12	26.9	28.5	21	21.5	14	45	37	4.5	32	30	32	337
TH22LMOMD	22	M26×1.5	19	17	31.9	35	27.5	24	16	53	44	3.5	41	36	36	589
TH28LMOMD	28	M33×2	24	21	39.9	39.5	32	30.5	18	66	49	3.5	50	46	41	1072
TH35LMOMD	35	M42×2	30	27	49.9	46.5	36	35.5	20	76	58	3.5	60	55	50	1778
TH42LMOMD	42	M48×2	36	34	55.9	51.5	40.5	40.5	22	87	63	3.5	70	60	60	2566
TH06SMOMD	6	M12×1.5	4	6	17	23.5	16.5	14	12	30	31	3	22	19	17	112
TH08SMOMD	8	M14×1.5	5	6	18.9	23.5	16.5	14	12	30	31	3	22	19	19	123
TH10SMOMD	10	M16×1.5	7	7.5	21.9	26	18.5	16.5	12	36	35	3	27	24	22	200
TH12SMOMD	12	M18×1.5	8	9	23.9	27.5	20	18.5	12	39.5	36	3	27	27	24	261
TH14SMMD	14	M20×1.5	10	10		30.5	22.5	20	14	43.5	40	3	32	30	27	334
TH16SMOMD	16	M22×1.5	12	12	26.9	30.5	22	21.5	14	45	40	4.5	32	30	30	351
TH20SMOMD	20	M27×2	16	16	32.9	37	26.5	24	16	53	48	3.5	41	36	36	629
TH25SMOMD	25	M33×2	20	21	39.9	43.5	31.5	30.5	18	66	56	3.5	50	46	46	1106
TH30SMOMD	30	M42×2	25	27	49.9	50.5	37	35.5	20	76	64	3.5	60	55	50	1843
TH38SMOMD	38	M48×2	32	34	55.9	57.5	41.5	40.5	22	87	72	3.5	70	60	60	2744

TH-R-KDS High Pressure DIN Banjo Tee Fittings

DIN 24° cone end/Male Metric ISO 1179 with KDS soft seal

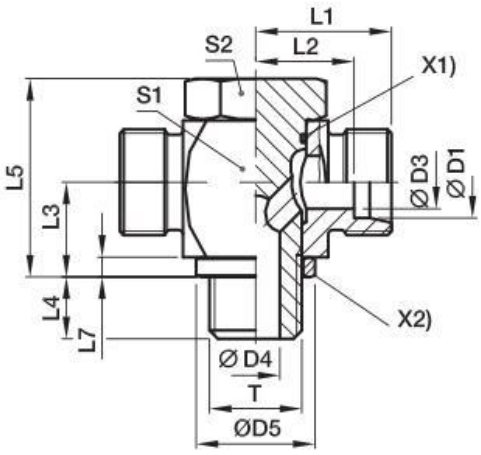


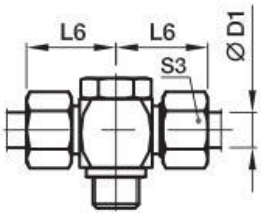
X1) O-ring OR
X2) Sealing ring KDS (for ports with small spot face, ISO 1179)
X3) Sealing ring KD (for ports with wide spot face, ISO 1179)

PART NO.	D1	T	D3	D4	D5 KDS	D6 KD	L1	L2	L3	L4	L5	L6	L7	S1	S2	S3	Weight g/1 PCS
L SERIES																	
TH06LRKDSOMD	6	G1/8A	4	4.5	14.9	17	19	12	10.5	8	24	27	2.5	17	17	14	58
TH08LRKDSOMD	8	G1/4A	6	6	18.9	22	21.5	14.5	14	12	30	29	3	22	19	17	108
TH10LRKDSOMD	10	G1/4A	8	6	18.9	22	22.5	15.5	14	12	30	30	3	22	19	19	110
TH12LRKDSOMD	12	G3/8A	10	7.5	21.9	27	25	18	16.5	12	36	33	3	27	24	22	193
TH15LRKDSOMD	15	G1/2A	12	11	26.9	32	28.5	21.5	21.5	14	45	37	4.5	32	30	27	321
TH18LRKDSOMD	18	G1/2A	15	11	26.9	32	28.5	21	21.5	14	45	37	4.5	32	30	32	329
TH22LRKDSOMD	22	G3/4A	19	17	32.9	41	35	27.5	24	16	53	44	3.5	41	36	36	585
TH28LRKDSOMD	28	G1A	24	21	39.9	46	39.5	32	30.5	18	66	49	3.5	50	46	41	1090
TH35LRKDSOMD	35	G11/4A	30	27	49.9	57	46.5	36	35.5	20	76	58	3.5	60	55	50	1765
TH42LRKDSOMD	42	G11/2A	36	34	55.9	64	51.5	40.5	40.5	22	87	63	3.5	70	60	60	2545
S SERIES																	
TH06SRKDSOMD	6	G1/4A	4	6	18.9	22	23.5	16.5	14	12	30	31	3	22	19	17	116
TH08SRKDSOMD	8	G1/4A	5	6	18.9	22	23.5	16.5	14	12	30	31	3	22	19	19	121
TH10SRKDSOMD	10	G3/8A	7	7.5	21.9	27	26	18.5	16.5	12	36	35	3	27	24	22	201
TH12SRKDSOMD	12	G3/8A	8	7.5	21.9	27	26	18.5	16.5	12	36	35	3	27	24	24	207
TH14SRKDSOMD	14	G1/2A	10	11	26.9	32	30.5	22.5	21.5	15	45	40	4.5	32	30	27	338
TH16SRKDSOMD	16	G1/2A	12	11	26.9	32	30.5	22	21.5	14	45	40	4.5	32	30	30	350
TH20SRKDSOMD	20	G3/4A	16	17	32.9	41	37	26.5	24	16	53	48	3.5	41	36	36	620
TH25SRKDSOMD	25	G1A	20	21	39.9	46	43.5	31.5	30.5	18	66	56	3.5	50	46	46	1124
TH30SRKDSOMD	30	G11/4A	25	27	49.9	57	50.5	37	35.5	20	76	64	3.5	60	55	50	1830
TH38SRKDSOMD	38	G11/2A	32	34	55.9	64	57.5	41.5	40.5	22	87	72	3.5	70	60	60	2721

TH-R High Pressure DIN Banjo Tee Fittings

DIN 24° cone end/Male Metric ISO 1179 with DKA soft seal





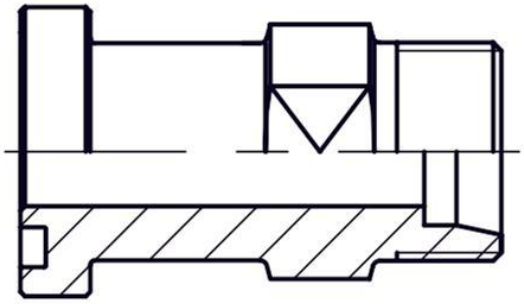
X1) O-ring OR
X2) Sealing ring DKA

PART NO.	D1	T	D3	D4	D5 KDS	D6 KD	L1	L2	L3	L4	L5	L6	L7	S1	S2	S3	Weight g/1 PCS
L SERIES																	
TH06LROMD	6	G1/8A	4	4.5	14.9	17	19	12	10.5	8	24	27	2.5	17	17	14	58
TH08LROMD	8	G1/4A	6	6	18.9	22	21.5	14.5	14	12	30	29	3	22	19	17	108
TH10LROMD	10	G1/4A	8	6	18.9	22	22.5	15.5	14	12	30	30	3	22	19	19	110
TH12LROMD	12	G3/8A	10	7.5	21.9	27	25	18	16.5	12	36	33	3	27	24	22	193
TH15LROMD	15	G1/2A	12	11	26.9	32	28.5	21.5	21.5	14	45	37	4.5	32	30	27	321
TH18LROMD	18	G1/2A	15	11	26.9	32	28.5	21	21.5	14	45	37	4.5	32	30	32	329
TH22LROMD	22	G3/4A	19	17	32.9	41	35	27.5	24	16	53	44	3.5	41	36	36	585
TH28LROMD	28	G1A	24	21	39.9	46	39.5	32	30.5	18	66	49	3.5	50	46	41	1090
TH35LROMD	35	G11/4A	30	27	49.9	57	46.5	36	35.5	20	76	58	3.5	60	55	50	1765
TH42LROMD	42	G11/2A	36	34	55.9	64	51.5	40.5	40.5	22	87	63	3.5	70	60	60	2545
S SERIES																	
TH06SROMD	6	G1/4A	4	6	18.9	22	23.5	16.5	14	12	30	31	3	22	19	17	116
TH08SROMD	8	G1/4A	5	6	18.9	22	23.5	16.5	14	12	30	31	3	22	19	19	121
TH10SROMD	10	G3/8A	7	7.5	21.9	27	26	18.5	16.5	12	36	35	3	27	24	22	201
TH12SROMD	12	G3/8A	8	7.5	21.9	27	26	18.5	16.5	12	36	35	3	27	24	24	207
TH14SROMD	14	G1/2A	10	11	26.9	32	30.5	22.5	21.5	15	45	40	4.5	32	30	27	338
TH16SROMD	16	G1/2A	12	11	26.9	32	30.5	22	21.5	14	45	40	4.5	32	30	30	350
TH20SROMD	20	G3/4A	16	17	32.9	41	37	26.5	24	16	53	48	3.5	41	36	36	620
TH25SROMD	25	G1A	20	21	39.9	46	43.5	31.5	30.5	18	66	56	3.5	50	46	46	1124
TH30SROMD	30	G11/4A	25	27	49.9	57	50.5	37	35.5	20	76	64	3.5	60	55	50	1830
TH38SROMD	38	G11/2A	32	34	55.9	64	57.5	41.5	40.5	22	87	72	3.5	70	60	60	2721

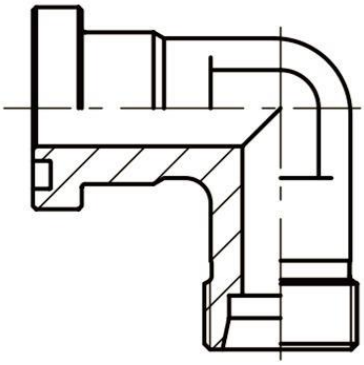
DIN HYDRAULIC FITTINGS

DIN 2353/ISO 8434-1 SAE Flange

DIN SAE Flange Fitting/SAE Flange Connector



From 24 Degree Cone to SAE Flange Fittings



DIN FITTINGS SAE FLANGE TYPES:

Male Metric L series ISO 8434-1 Light duty

Male Metric S series ISO 8434-1 Heavy duty

ISO 6162-1 L series Flange Head

ISO 6162-2 S series Flange Head

Shapes of DIN SAE Flange Tube Fittings

Straight DIN Tube Fittings SAE Flange

Elbow DIN Tube Fittings SAE Flange

Match Port types Standards As Follows:

ISO 6162-1 and ISO 6162-2 Standard Flange Port

SAE J518-1 and SAE J518-2 Standard Flange Port

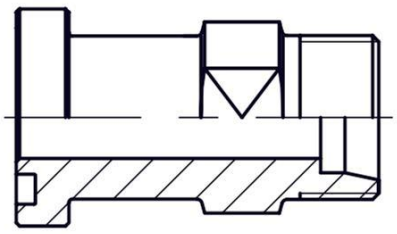
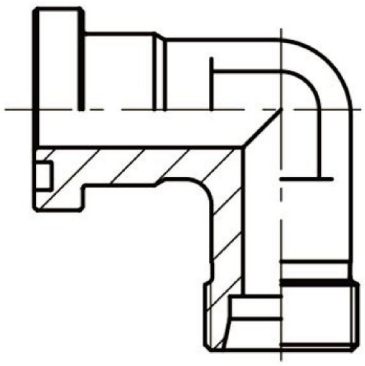
FITSCH

DIN Tube Fittings SAE Flange Introduction

This DIN SAE Flange Fittings is from DIN 24 degree cone tube end to SAE J518 Flange head ends, male Metric thread with 24 degree cone end as per ISO 8434-1 / DIN 2353 standards, it will be matched with hydraulic hose ends and tubing. SAE Flange ends is according to ISO 6162-1 and ISO 6162-2, it will be matched with SAE split flange halve clamps to holding flange head by o-ring seal.

Overview catalogue Of DIN SAE Flange Fittings Connectors

DIN SAE Flange fitting is made of these shapes(Parker-Eaton series no), from forging/shape material as follows:

GFS/1CFL 1DFL 1DFS	WFS/1CFL9 1DFL9 1DFS9
	

Dimensions Of SAE Flange Head ISO 6162-1/SAE code 61 and ISO 6162-2/SAE code 62

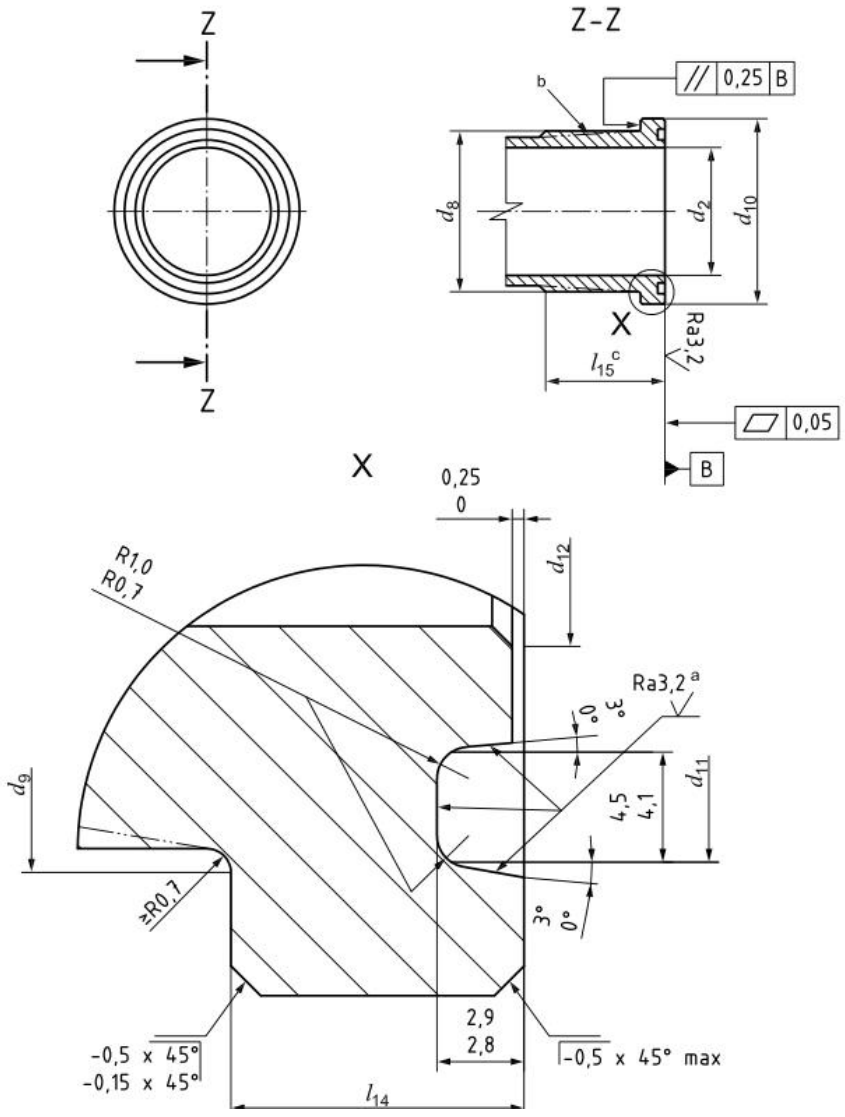


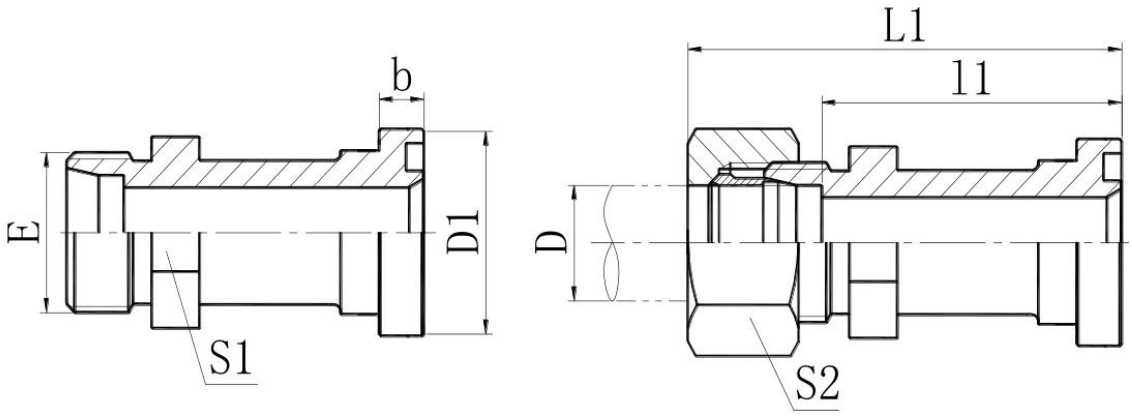
Figure of Flange Head

Dimensions of SAE fanged heads

SAE INCH	ISO DN	d2 max	d8 max	d9 max	d10	d11 max	d11 min	d12 max	l14	l15
L SERIES										
1/2"	13	13	23.9	25.3	30.2	25.53	25.4	14.2	6.8	13
3/4"	19	19.2	31.8	33.2	38.1	31.88	31.75	21	6.8	14
1"	25	25.6	38.1	39.5	44.45	39.75	39.62	27	8	14
1.1/4"	32	32	43.2	44.6	50.8	44.58	44.45	33.3	8	14
1.1/2"	38	38.2	50.3	51.7	60.35	53.98	53.72	39.6	8	16
2"	51	51	62.2	63.6	71.4	63.5	63.25	52.3	9.6	16
2.1/4"	64	63.5	74.2	75.6	84.1	76.33	76.07	65	9.6	18
2.1/2"	76	76.2	90.2	91.6	101.6	92.08	91.82	77.7	9.6	19
3"	89	89	101.6	103	114.3	104.52	104.01	90.4	11.3	22
4"	102	101.6	114.3	115.7	127	117.22	116.71	103.1	11.3	25
5"	127	127	139.7	141.1	152.4	142.62	142.11	129	11.3	28
S SERIES										
1/2"	13	13	23.9	25.3	30.2	25.53	25.4	14.2	6.8	13
3/4"	19	19.2	31.8	33.2	38.1	31.88	31.75	21	6.8	14
1"	25	25.6	38.1	39.5	44.45	39.75	39.62	27	8	14
1.1/4"	32	32	43.2	44.6	50.8	44.58	44.45	33.3	8	14
1.1/2"	38	38.2	50.3	51.7	60.35	53.98	53.72	39.6	8	16
2"	51	51	62.2	63.6	71.4	63.5	63.25	52.3	9.6	16
2.1/4"	64	63.5	74.2	75.6	84.1	76.33	76.07	65	9.6	18
2.1/2"	76	76.2	90.2	91.6	101.6	92.08	91.82	77.7	9.6	19
3"	89	89	101.6	103	114.3	104.52	104.01	90.4	11.3	22
4"	102	101.6	114.3	115.7	127	117.22	116.71	103.1	11.3	25
5"	127	127	139.7	141.1	152.4	142.62	142.11	129	11.3	28

1CFL 1DFL DIN SAE Flange Straight Fittings

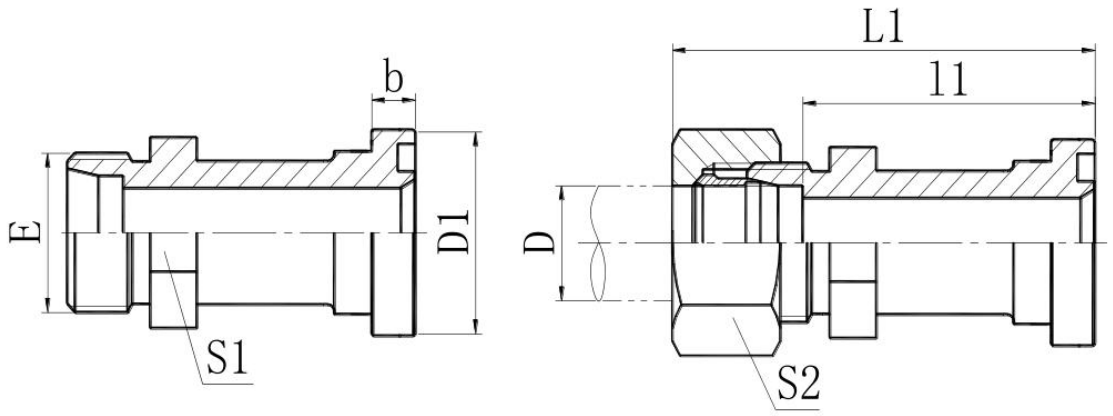
DIN 24° cone end/SAE Flange ISO 6162-1 L series, Parker GFS SAE Code 61 Flange Adapter



PART NO.	PARKER NO.	THREAD	FLANGE	D	O RING	D1	b	l1	L1	S1	S2
WITH L SERIES 24° CONE END											
1CFL-22-08	GFS32/15L	M22X1.5	1/2"	15	O210 N90	30.2	6.7	41	56	24	27
1CFL-26-12	GFS33/18L	M26X1.5	3/4"	18	O214 N90	38.1	6.73	45.5	62	30	32
1CFL-30-12	GFS33/22L	M30X2	3/4"	22	O214 N90	38.1	6.7	45.5	62	32	36
1CFL-36-16	GFS34/28L	M36X2	1"	28	O219 N90	44.4	8	44.5	63	36	41
1CFL-45-20	GFS35/35L	M45X2	1.1/4"	35	O222 N90	50.8	8	47.5	69	41	50
1CFL-52-24	GFS36/42L	M52X2	1.1/2"	42	O225 N90	60.3	8	53	76	46	60
WITH S SERIES 24° CONE END											
1DFL-24-08	GFS32/16S	M24X1.5	1/2"	16	O210 N90	30.2	6.7	41.5	60	24	30
1DFL-30-12	GFS33/20S	M30X2	3/4"	20	O214 N90	38.1	6.7	46.5	68	30	36
1DFL-36-12	GFS33/25S	M36X2	3/4"	25	O214 N90	38.1	6.73	45	69	30	46
1DFL-42-16	GFS34/30S	M42X2	1"	30	O219 N90	44.4	8	49.5	76	36	50
1DFL-36-20	GFS35/25S	M36X2	1.1/4"	25	O222 N90	50.8	8	48	72	41	46
1DFL-42-20	GFS35/30S	M42X2	1.1/4"	30	O222 N90	50.8	8	48.5	75	41	50
1DFL-52-20	GFS35/38S	M52X2	1.1/4"	38	O222 N90	50.8	8	54	81	46	60
1DFL-52-24	GFS36/38S	M52X2	1.1/2"	38	O225 N90	60.3	8	54	85	46	60

1DFS DIN SAE Flange Straight Fittings

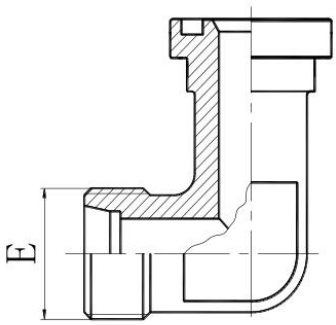
DIN 24° cone end/SAE Flange ISO 6162-2 S series, Parker GFS SAE Code 62 Flange Adapter

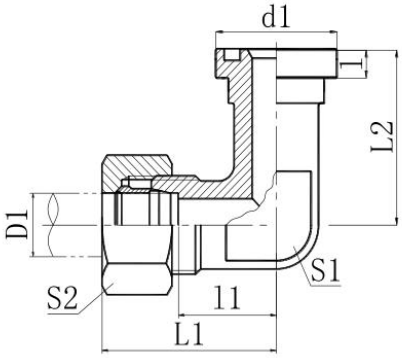


PART NO.	PARKER NO.	THREAD	FLANGE	D	O-RING	D1	b	l1	L1	S1	S2
1DFS-24-08	GFS62/16S	M24X1.5	1/2"	16	O210 N90	31.7	7.8	44.5	63	24	30
1DFS-24-12	GFS63/16S	M24X1.5	3/4"	16	O214 N90	41.3	8.8	50.5	69	30	30
1DFS-30-12	GFS63/20S	M30X2	3/4"	20	O214 N90	41.3	8.8	50.5	72	30	36
1DFS-36-12	GFS63/25S	M36X2	3/4"	25	O214 N90	41.3	8.8	51	75	30	46
1DFS-36-16	GFS64/25S	M36X2	1"	25	O219 N90	47.6	9.5	60	81	36	46
1DFS-42-16	GFS64/30S	M42X2	1"	30	O219 N90	47.6	9.5	60.5	87	36	50
1DFS-42-20	GFS65/30S	M42X2	1.1/4"	30	O222 N90	54	10.3	65.5	92	41	50
1DFS-52-20	GFS65/38S	M52X2	1.1/4"	38	O222 N90	54	10.3	67	98	46	60
1DFS-52-24	GFS66/38S	M52X2	1.1/2"	38	O225 N90	63.5	12.6	73	104	46	60

1CFL9 1DFL9 DIN SAE Flange Elbow Fittings

DIN 24° cone end/SAE Flange ISO 6162-1 L series, Parker WFS SAE Code 61 Flange Adapter

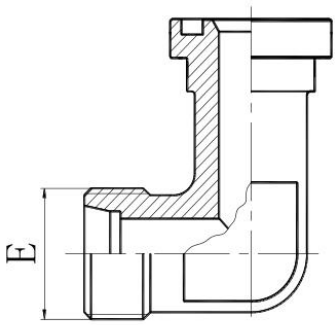


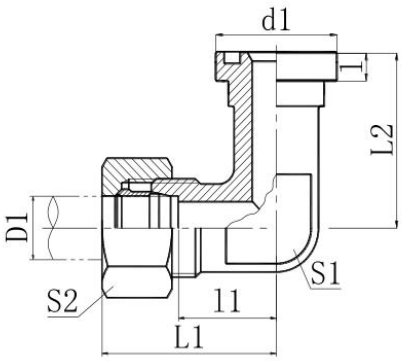


PART NO.	PARKER NO.	THREAD	FLANGE	TUBE O.D.	O-RING	d1	l	l1	L1	L2	S1	S2
WITH L SERIES 24° CONE END												
1CFL9-18-08	WFS32/12L	M18X1.5	1/2"	12	O210	30.2	6.7	29	45	38	24	
1CFL9-22-08	WFS32/15L	M22X1.5	1/2"	15	O210	30.2	6.7	29	45	36	24	27
1CFL9-22-12	WFS33/15L	M22X1.5	3/4"	15	O214	38.1	6.7	33	49	42	30	27
1CFL9-26-08	WFS32/18L	M26X1.5	1/2"	18	O210	30.2	6.7	31.5	48	42	27	32
1CFL9-26-12	WFS33/18L	M26X1.5	3/4"	18	O214	38.1	6.7	28.5	45	42	30	32
1CFL9-26-16	WFS34/18L	M26X1.5	1"	18	O219	44.4	8	36.5	53	45	36	32
1CFL9-30-08	WFS32/22L	M30X2	1/2"	22	O210	30.2	6.7	30.5	47	48	27	36
1CFL9-30-12	WFS33/22L	M30X2	3/4"	22	O214	38.1	6.7	35.5	52	42.5	30	36
1CFL9-30-16	WFS34/22L	M30X2	1"	22	O219	44.4	8	36.5	53	45	36	36
1CFL9-30-20	WFS35/22L	M30X2	1.1/4"	22	O222	50.8	8	47.5	64	50	41	36
1CFL9-36-12	WFS33/22L8	M36X2	3/4"	28	O214	38.1	6.7	36.5	52	42	30	41
1CFL9-36-16	WFS34/28L	M36X2	1"	28	O219	44.4	8	37.5	53	45	36	41
1CFL9-36-20	WFS35/28L	M36X2	1.1/4"	28	O222	50.8	8	47.5	64	50	41	41
1CFL9-45-16	WFS34/35L	M45X2	1"	35	O219	44.4	8	34.5	56	45	36	50
1CFL9-45-20	WFS35/35L	M45X2	1.1/4"	35	O222	50.8	8	46.5	68	50	41	50
1CFL9-52-20	WFS35/42L	M52X2	1.1/4"	42	O222	50.8	8	50	73	68	46	60
1CFL9-52-24	WFS36/42L	M52X2	1.1/2"	42	O225	60.3	8	47	70	75	48	60
WITH S SERIES 24° CONE END												
1DFL9-24-08	WFS32/16S	M24X1.5	1/2"	16	O210	30.2	6.7	29.5	48	36	24	30
1DFL9-24-12	WFS33/16S	M24X1.5	3/4"	16	O214	38.1	6.7	34.5	53	42	30	30
1DFL9-30-12	WFS33/20S	M30X2	3/4"	20	O214	38.1	6.7	32.5	53	42	30	36
1DFL9-36-12	WFS33/25S	M36X2	3/4"	25	O214	38.1	6.7	33	56	42	30	46
1DFL9-36-16	WFS34/25S	M36X2	1"	25	O219	44.4	8	36.5	59.5	45	36	46
1DFL9-42-16	WFS34/30S	M42X2	1"	30	O219	44.4	8	36.5	63	45	36	50
1DFL9-36-20	WFS35/25S	M36X2	1.1/4"	25	O222	50.8	8	43	66	50	41	46
1DFL9-42-20	WFS35/30S	M42X2	1.1/4"	30	O222	50.8	8	43.5	70	50	41	50
1DFL9-52-20	WFS35/38S	M52X2	1.1/4"	38	O222	50.8	8	45	76	68	46	60

1DFS9 DIN SAE Flange Elbow Fittings

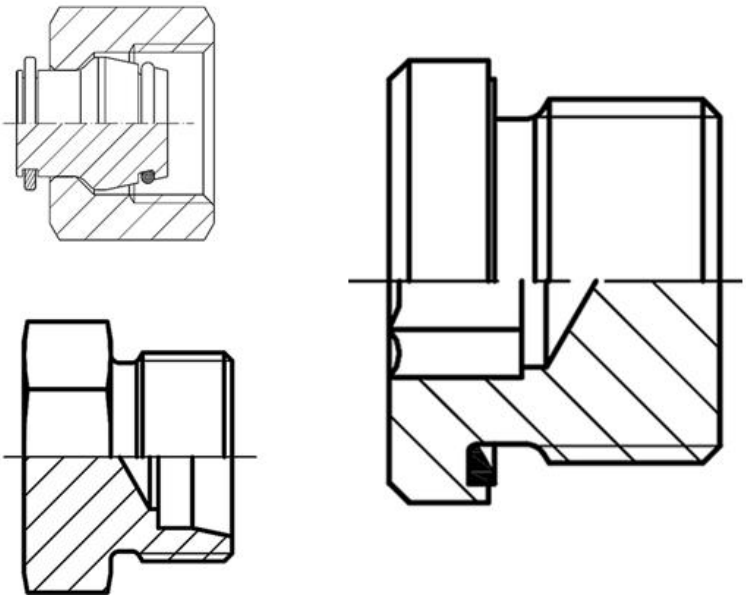
DIN 24° cone end/SAE Flange ISO 6162-2 S series, Parker WFS SAE Code 62 Flange Adapter



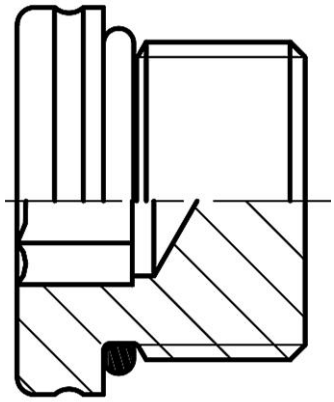


PART NO.	PARKER NO.	THREAD	FLANGE	D1	O-RING	d1	l	l1	L1	L2	S1	S2
1DFS9-24-08	WFS62/16S	M24X1.5	1/2"	16	O210	31.7	7.8	29.5	48	39	24	30
1DFS9-24-12	WFS63/16S	M24X1.5	3/4"	16	O214	41.3	8.8	36.5	55	48	32	30
1DFS9-30-12	WFS63/20S	M30X2	3/4"	20	O214	41.3	8.8	35.5	57	48	32	36
1DFS9-36-12	WFS63/25S	M36X2	3/4"	25	O214	41.3	8.8	36	60	48	32	46
1DFS9-36-16	WFS64/25S	M36X2	1"	25	O219	47.6	9.5	41	65	60	41	46
1DFS9-42-16	WFS64/30S	M42X2	1"	30	O219	47.6	9.5	41.5	68	60	41	50
1DFS9-42-20	WFS65/30S	M42X2	1.1/4"	30	O222	54	10.3	44.5	71	68	46	50
1DFS9-52-20	WFS65/38S	M52X2	1.1/4"	38	O222	54	10.3	45	76	68	46	60
1DFS9-52-24	WFS66/38S	M52X2	1.1/2"	38	O225	63.5	12.6	56	87	76	50	60

DIN Metric Plug and Caps/Hex Drive Drain Plug



DIN Metric Hex Drive Drain Plug



DIN METRIC PLUG SEAL TYPES:

DIN Metric ISO 6149-4 PLEH PLIH Hex Port Plug

Metric ISO 9974-4 PLEH PLIHS Hex Port Plug

DIN 908 Internal Drive Screw Plug with Metric Thread

DIN 910 Hex Head Screw Plugs with Metric Thread

ISO 8434-4 Female Metric Swivel Caps DKO

Shapes of DIN Plug and Caps

Internal Hex Plug

External Hex Plug

Hex Head Plug

Internal Drive Screw Plug

Female DKO Swivel Caps

Match Port types Standards As Follows:

ISO 6149-1 / SAE J2244 O-ring Seal Metric Port

ISO 9974-1 / DIN 3852-1 Metric Flat Face Seal Port

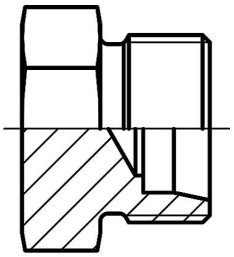
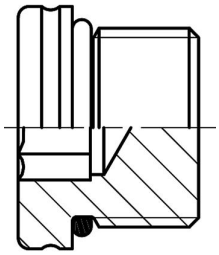
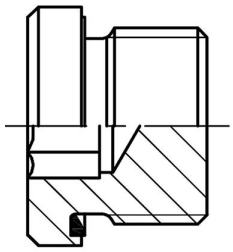
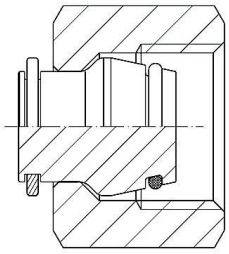
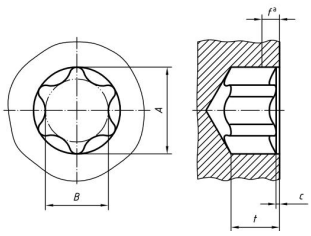
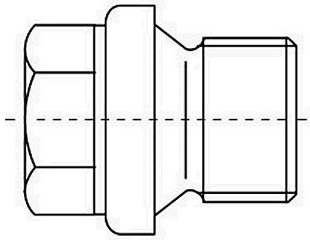
FITSCH

DIN Metric Plug and Caps Introduction

All DIN ISO Metric Plugs is design with Metric thread ISO 261 for hydraulic fluid power applications, but there are many types of assembling purposes such as Internal hex plug with ISO 6149-4 and ISO 9974-4; Internal drive screw plug with DIN 908; External hex plug with ISO 6149-4, ISO 9974-4; External hex head plug with DIN 910. Two Types of metric stud seal such as ISO 6149-1 / SAE J2244 O-ring Seal Metric Port and ISO 9974-1 / DIN 3852-1 Metric Flat Face Seal Port. Another is designed with 24 degree cone o-ring(DKO) blanking plug, it is assembled with ISO 261 metric female thread nut(also called Caps), it is used for plugging male connector with 24 degree cone tube end.

Overview catalogue Of DIN Metric Plug and Caps

DIN Metric plug and caps is made of these shapes(Parker-Eaton series no), from forging/shape material as follows:

ROV/4C 4D **DIN 2353/ISO8434-1** 	**VSTI M-OR/4MN-OR** **ISO 6149-4** 	**VSTI M-ED/4MN-ED** **ISO 9974-4** 
VKAM/9C 9D **DIN 2353/ISO 8434-4** 	**ISO 10664 / DIN 34824** **Screw Drive DIN 908 Plug** 	**DIN 910 Hex Head** **Screw Plug** 

Dimensions Of ISO 6149-4 internal hex port plugs

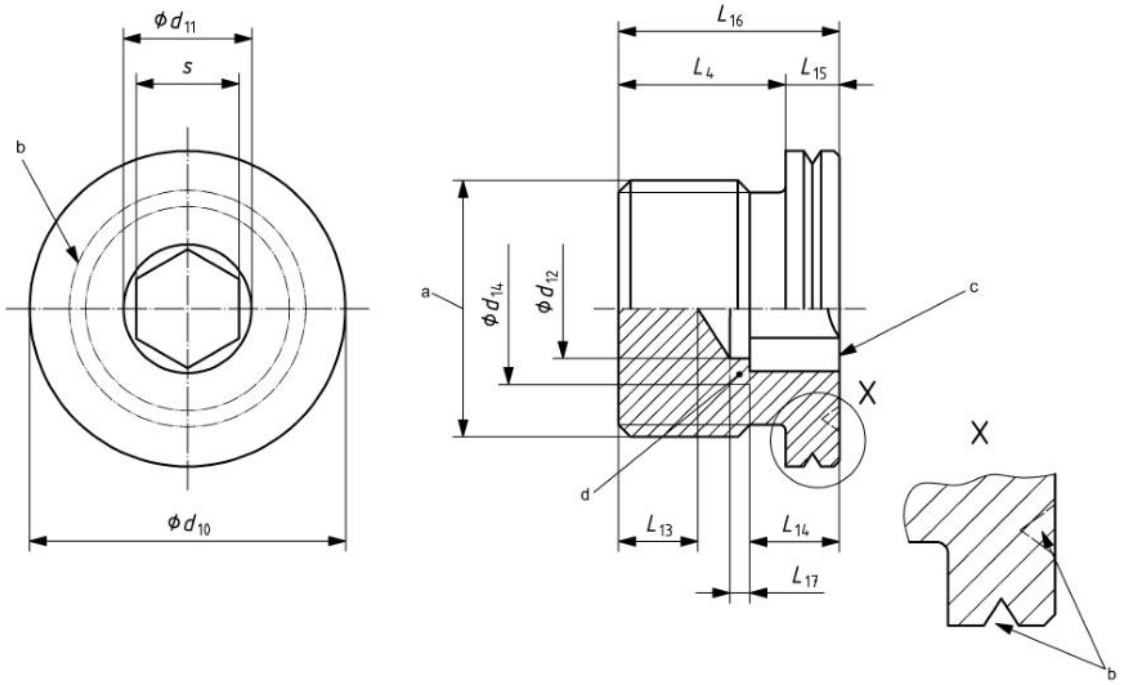


Figure of Internal hex port plug(PLIH)

Stud end details in accordance with ISO 6149-2

Screw Threads	d10	d11	d12	d14	L4	L13	L14	L15	L16	L17	s
M8x1	11.8	4.6	4	4.7	9.5	3	5	3.5	13	2.1	4
M10x1	13.8	5.8	5	5.9	9.5	3	5.5	4	13.5	2.1	5
M12x1.5	16.8	6.9	6	7	11	3	7.5	4.5	15.5	2.5	6
M14x1.5	18.8	6.9	6	7	11	3	7.5	5	16	2.5	6
M16x1.5	21.8	9.2	8	9.3	12.5	3	8.5	5	17.5	2.5	8
M18x1.5	23.8	9.2	8	9.3	14	3	8.5	5	19	2.5	8
M20x1.5a	26.8	11.5	10	11.6	14	3	8.5	5	19	2.9	10
M22x1.5	26.8	11.5	10	11.6	15	3	8.5	5	20	2.9	10
M27x2	31.8	13.9	12	14	18.5	3	10.5	5	23.5	3.7	12
M30x2	35.8	16.2	14	16.3	18.5	3	11	6	24.5	3.7	14
M33x2	40.8	16.2	14	16.3	18.5	3	11	6	24.5	3.7	14
M42x2	49.8	19.6	17	19.7	19	3	11	6	25	3.7	17
M48x2	54.8	19.6	17	19.7	21.5	3	11	6	27.5	3.7	17
M60x2	64.8	21.9	19	22	24	3	12	6	30	3.7	19

M20x1.5 a only for cartridge valve cavity application ISO 7789.

b is Identification groove 1 mm wide x 0.25 mm deep, as an optional shape.

Dimensions Of ISO 9974-4 internal hex port plugs

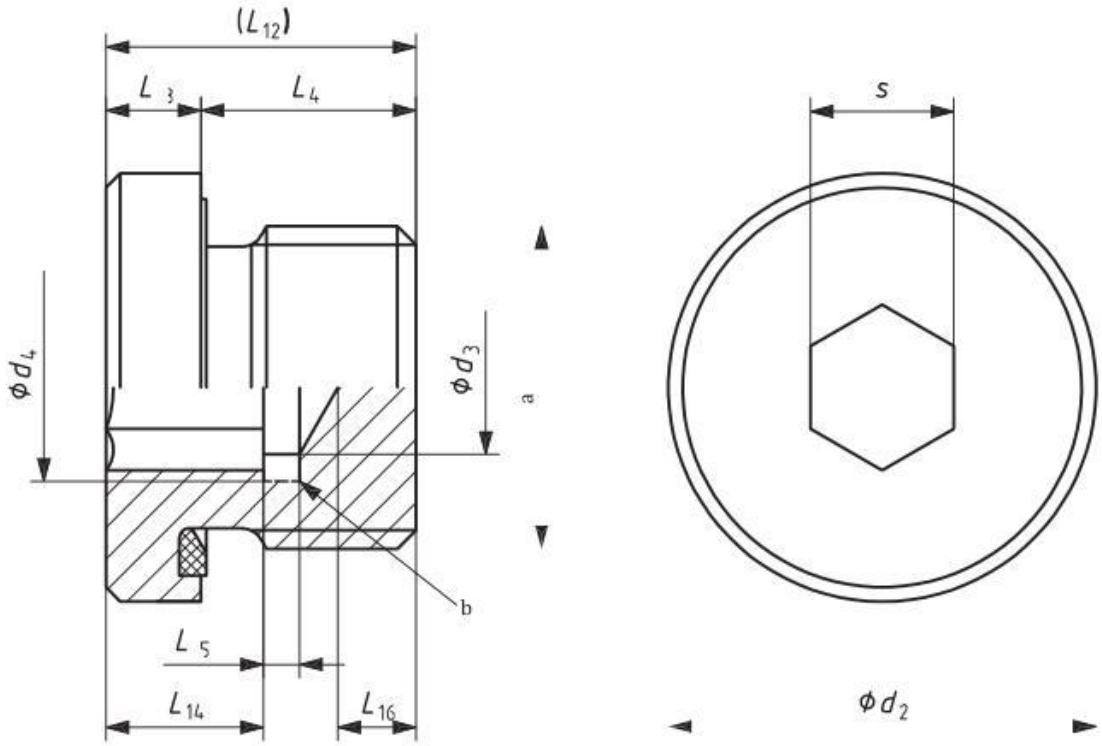


Figure of Internal hex port plug(PLIHS)

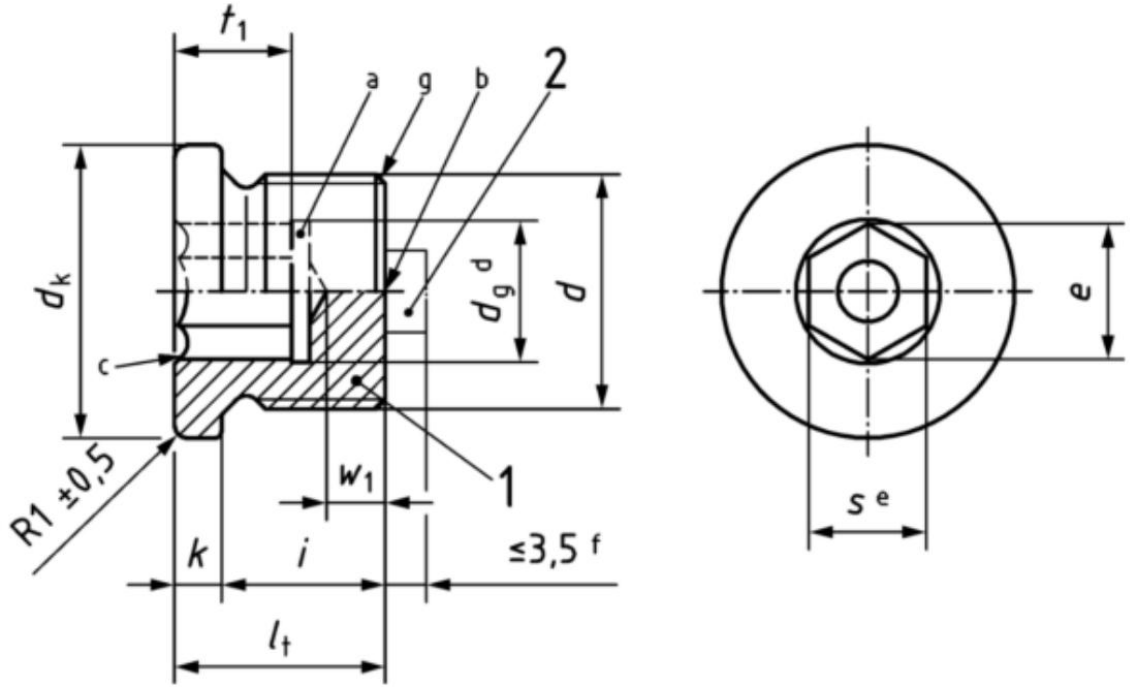
Stud end details in accordance with ISO 9974-2

Screw Thread	d2	d3	d4	L4	L12	L13	L14	L15	L16	s
M10×1	14	5	5.9	8	12.3	4.3	5	2	3	5
M12×1.5	17	6	7	12	17.3	5.3	7	2	3	6
M14×1.5	19	6	7	12	17.3	5.3	7	2	3	6
M16×1.5	22	8	9.3	12	17.3	5.3	7	2	3	8
M18×1.5	24	8	9.3	12	17.3	5.3	7	2	3	8
M20×1.5a	26	10	11.6	14	19.3	5.3	7.5	2	3	10
M22×1.5	27	10	11.6	14	19.3	5.3	7.5	2	3	10
M26×1.5	32	12	14	16	21.3	5.3	9	2.4	3	12
M27×2	32	12	14	16	21.3	5.3	9	2.4	3	12
M33×2	40	17	19.7	16	22.8	6.8	9	2.5	3	17
M42×2	5o	22	25.5	16	22.8	6.8	10.5	2.5	3	22
M48×2	55	24	27.8	16	22.8	6.8	10.5	2.5	3	24

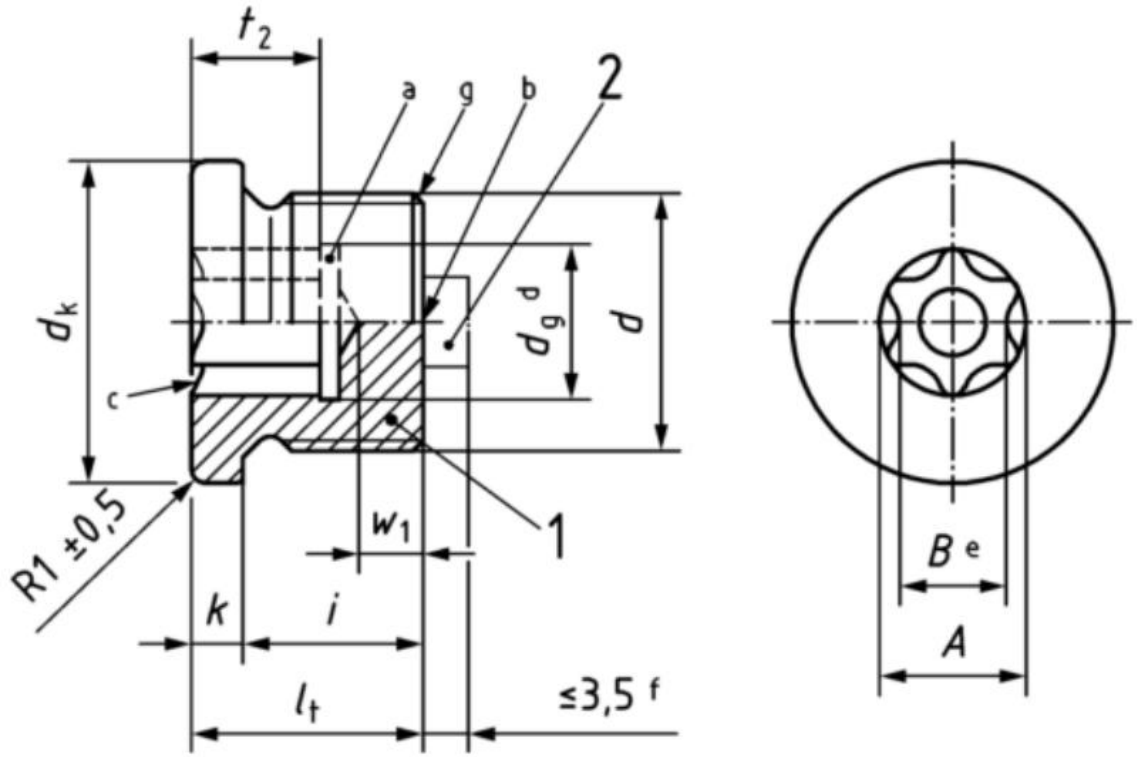
M20×1.5a is for measurement applications.

b is optional socket undercut d4xL15.

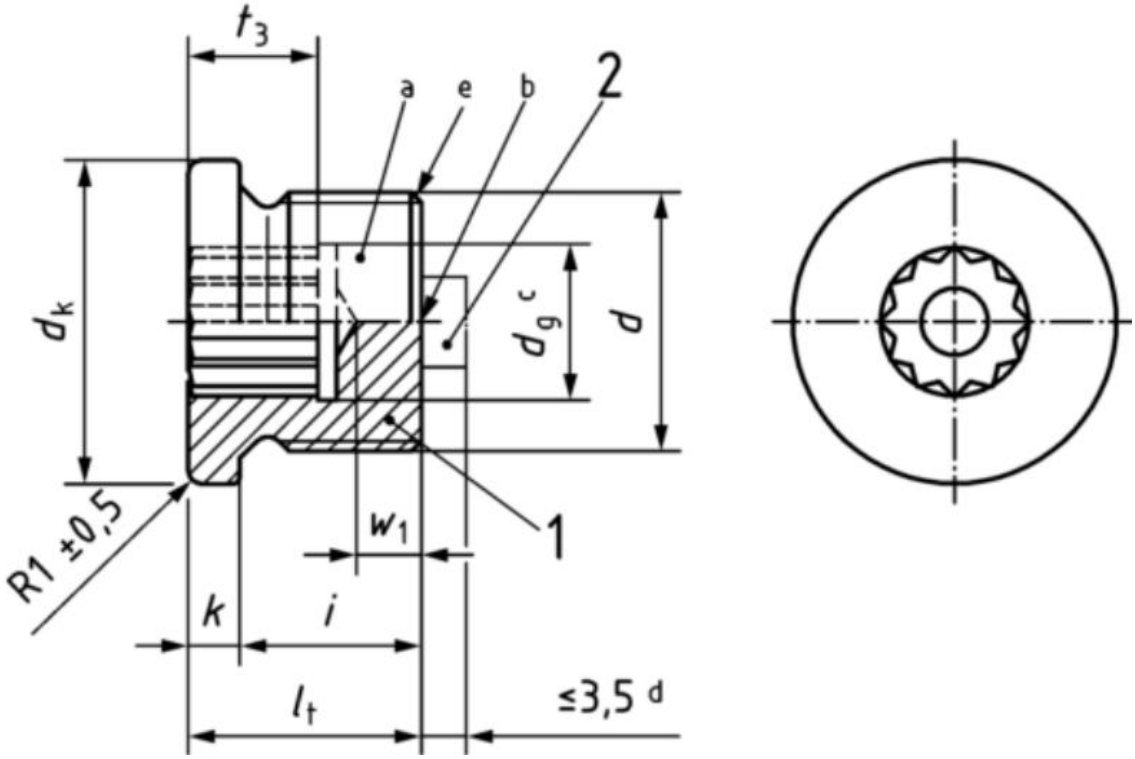
Dimensions Of DIN 908 internal drive screw plugs
Internal Hex type of form A as per DIN 3852-1 and DIN 3852-2



EN DIN ISO 10664 Hexalobular internal driving type of form A as per DIN 3852-1 and DIN 3852-2



DIN 3482 12 point socket driving type of form A as per DIN 3852-1 and DIN 3852-2



Dimensions of DIN 908 screw drive plug

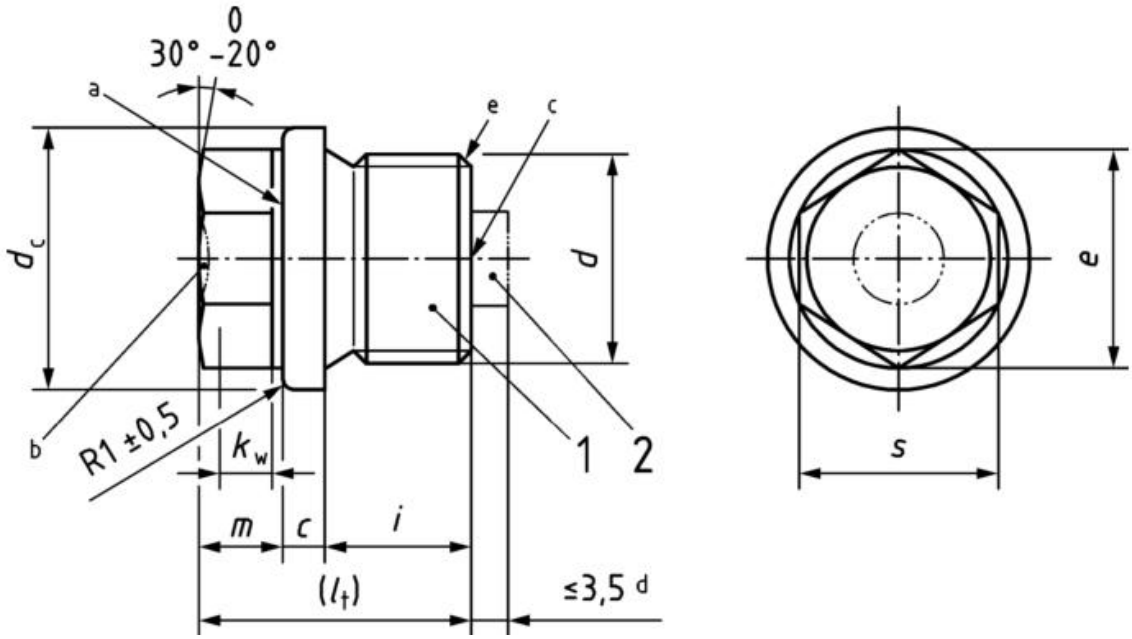
Gewinde							Innensechskant					Innensechsrund nach DIN EN ISO 10664		Innenvielzahn nach DIN 34824			Masse[a] (ρ = 7,85 kg/dm^3) kg/1 000 Stück
Metrisches Feingewinde		Rohrgewinde nach DIN EN ISO 228-1	k	d_k	i	l_t	e^b	s			t_1		t_2		t_3	w_1	
			+0,5 0	h14	±0,2	≈	min.	Nenngröße	min.[c]	max.[c]	min.	Nr.	min.	Nenngröße	min.	min.	≈
M10 × 1	—	G 1/8 A	3	14	8	11	5,723	5	5,020	5,095	5,0	30	2,5	N6	2,5	3	6,3
M12 × 1,5	—	—	3	17	12	15	6,863	6	6,020	6,140	7,0	40	2,7	N8	2,9	3	11,3
—	—	G 1/4 A	3	18	12	15	6,863	6	6,020	6,140	7,0	40	2,7	N8	2,9	3	14,6
M14 × 1,5	—	—	3	19	12	15	6,863	6	6,020	6,140	7,0	45	2,9	N8	2,9	3	16,0
M16 × 1,5	—	—	3	21	12	15	9,149	8	8,025	8,175	7,5	50	3,7	N10	3,7	3	19,0
—	—	G 3/8 A	3	22	12	15	9,149	8	8,025	8,175	7,5	50	3,7	N10	3,7	3	21,4
M18 × 1,5	—	—	4	23	12	16	9,149	8	8,025	8,175	7,5	50	3,7	N10	3,7	3	28,3
M20 × 1,5	—	—	4	25	14	18	11,429	10	10,025	10,175	7,5	55	4,6	N12	4,6	4	37,5
—	—	G 1/2 A	4	26	14	18	11,429	10	10,025	10,175	7,5	55	4,6	N12	4,6	4	40,8
M22 × 1,5	—	—	4	27	14	18	11,429	10	10,025	10,175	7,5	55	5,4	N14	5,4	4	47,5
M24 × 1,5	—	—	4	29	14	18	13,716	12	12,032	12,212	7,5	60	6,4	N16	6,4	4	53,5
M26 × 1,5	—	—	4	31	16	20	13,716	12	12,032	12,212	9,0	60	6,4	N16	6,4	4	68,7
—	M27 × 2	G 3/4 A	4	32	16	20	13,716	12	12,032	12,212	9,0	60	6,4	N16	6,4	4	73,5
M30 × 1,5	M30 × 2	—	4	36	16	20	19,437	17	17,050	17,230	9,0	80	7,3	N18	7,3	4	84,0
—	M33 × 2	G 1 A	5	39	16	21	19,437	17	17,050	17,230	9,0	80	7,3	N18	7,3	4	111
M36 × 1,5	M36 × 2	—	5	42	16	21	21,734	19	19,065	19,275	10,5	—	—	—	—	4	134
M38 × 1,5	—	G 1 1/8 A	5	44	16	21	21,734	19	19,065	19,275	10,5	—	—	—	—	4	149
—	M39 × 2	—	5	46	16	21	21,734	19	19,065	19,275	10,5	—	—	—	—	4	163
M42 × 1,5	M42 × 2	G 1 1/4 A	5	49	16	21	25,154	22	22,065	22,275	10,5	—	—	—	—	4	187
M45 × 1,5	M45 × 2	—	5	52	16	21	25,154	22	22,065	22,275	10,5	—	—	—	—	4	215
M48 × 1,5	M48 × 2	G 1 1/2 A	5	55	16	21	27,434	24	24,065	24,275	10,5	—	—	—	—	4	246
M52 × 1,5	M52 × 2	—	5	60	16	21	27,434	24	24,065	24,275	10,5	—	—	—	—	4	302
—	—	G 1 3/4 A	5	62	20	25	36,571	32	32,080	32,330	14,0	—	—	—	—	4	320
—	M56 × 2	—	5	64	20	25	36,571	32	32,080	32,330	14,0	—	—	—	—	4	386
—	M60 × 2	G 2 A	5	68	20	25	36,571	32	32,080	32,330	14,0	—	—	—	—	4	445
—	M64 × 2	—	5	72	20	25	36,571	32	32,080	32,330	14,0	—	—	—	—	4	530

[a] Massen leicht abweichend bei Innensechsrund und Innenvielzahn.

[b] $e_{min} = 1{,}14 s_{min}$

[c] Toleranz nach DIN EN ISO 4759-1, Produktklasse A.

Dimensions Of DIN 910 Hexagon head screw plugs with metric thread



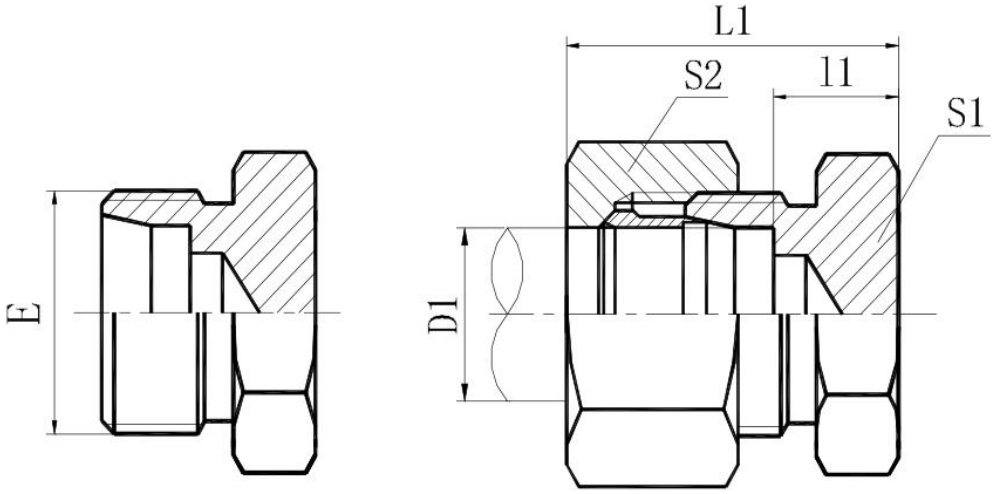
1 is male stud in accordance with form A of **DIN 3852-1 and DIN 3852-2**

2 is permanent magnet.

Gewinde			c	d_c	e		i	(l_t)	m	k_w	s^a			Masse[b] (ρ = 7,85 kg/dm^3) kg/1 000 Stück
Metrisches Feingewinde		Rohrgewinde nach DIN EN ISO 228-1	+0,5 0	h14	DIN 475-1 min.	DIN ISO 272 min.	±0,2	≈	±½ IT15	min.	DIN 475-1	DIN ISO 272	Toleranzklasse	≈
M10 × 1	—	G 1/8 A	3	14	—	10,89	8	17	6	4,03	—	10	h14	12,0
M12 × 1,5	—	—	3	17	—	14,20	12	21	6	4,03	—	13		20,3
—	—	G 1/4 A[c]	3	18	—	14,20	8	17	6	4,03	—	13		20,0
—	—	G 1/4 A	3	18	—	14,20	12	21	6	4,03	—	13		23,8
M14 × 1,5	—	—	3	19	—	14,20	12	21	6	4,03	—	13		25,0
M16 × 1,5	—	—	3	21	18,72	17,59	12	21	6	4,03	17	16[d]		35,2
—	—	G 3/8 A[c]	3	22	18,72	17,59	8	17	6	4,03	17	16[d]		32,2
—	—	G 3/8 A	3	22	18,72	17,59	12	21	6	4,03	17	16[d]		38,1
M18 × 1,5	—	—	4	23	18,72	17,59	12	24	8	5,39	17	16[d]		48,6
M20 × 1,5	M20 × 2[e]	—	4	25	20,88	19,85	14	26	8	5,39	19	18[d]		64,5
—	—	G 1/2 A[c]	4	26	20,88	19,85	10	22	8	5,39	19	18[d]		57,8
—	—	G 1/2 A	4	26	20,88	19,85	14	26	8	5,39	19	18[d]		66,6
M22 × 1,5	—	—	4	27	20,88	19,85	14	26	8	5,39	19	18[d]		73,4
M24 × 1,5	—	—	4	29	23,91	22,78	14	27	9	6,09	22	21[d]	h15	93,5
M26 × 1,5	—	—	4	31	—	26,17	16	30	10	6,79	—	24		120
—	—	G 3/4 A[c]	4	32	—	26,17	12	26	10	6,79	—	24		109
—	M27 × 2	G 3/4 A	4	32	—	26,17	16	30	10	6,79	—	24		127
M30 × 1,5	M30 × 2	—	4	36	—	26,17	16	30	10	6,79	—	24		148
—	M33 × 2	G 1 A	5	39	—	29,56	16	32	11	7,45	—	27	h15	195
M36 × 1,5	M36 × 2	—	5	42	—	29,56	16	32	11	7,45	—	27		220
M38 × 1,5	—	G 1 1/8 A	5	44	—	29,56	16	32	11	7,45	—	27		238
—	M39 × 2	—	5	46	—	29,56	16	32	11	7,45	—	27		255
M42 × 1,5	M42 × 2	G 1 1/4 A	5	49	—	32,95	16	33	12	8,15	—	30		300
M45 × 1,5	M45 × 2	—	5	52	—	32,95	16	33	12	8,15	—	30		340
M48 × 1,5	M48 × 2	G 1 1/2 A	5	55	—	32,95	16	33	12	8,15	—	30		375
M52 × 1,5	M52 × 2	—	5	60	—	32,95	16	33	12	8,15	—	30		430
—	—	G 1 3/4 A	5	62	—	39,55	20	40	15	10,25	—	36		572
—	M56 × 2	-	5	64	—	39,55	20	40	15	10,25	—	36		620
—	M60 × 2	G 2 A	5	68	—	39,55	20	40	15	10,25	—	36		695
—	M64 × 2	—	5	72	—	39,55	20	40	15	10,25	—	36		774

4C 4D DIN Metric blanking plug for tube ends

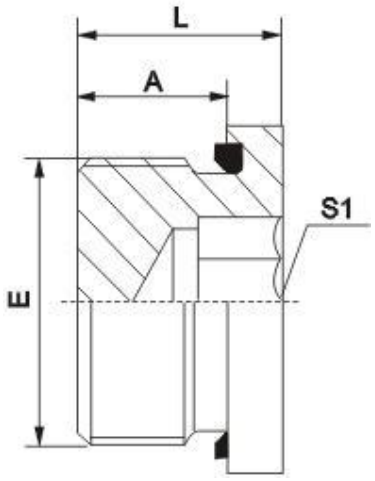
DIN 24° cone end, Parker ROV series



PART NO.	PARKER NO.	E	D1	l1	L1	S1	S2
L SERIES							
4C-12	ROV06L	M12x1.5	6	7	22	12	14
4C-14	ROV08L	M14x1.5	8	8	23	14	17
4C-16	ROV10L	M16x1.5	10	9	24	17	19
4C-18	ROV12L	M18x1.5	12	10	25	19	22
4C-22	ROV15L	M22x1.5	15	11	26	24	27
4C-26	ROV18L	M26X1.5	18	11.5	28	27	32
4C-30	ROV22L	M30x2	22	13.5	30	32	36
4C-36	ROV28L	M36x2	28	14.5	31	41	41
4C-45	ROV35L	M45X2	35	14.5	36	46	50
4C-52	ROV42L	M52X2	42	16	39	55	60
S SERIES							
4D-14	ROV06S	M14X1.5	6	11	26	14	17
4D-16	ROV08S	M16X1.5	8	13	28	17	19
4D-18	ROV10S	M18x1.5	10	12.5	29	19	22
4D-20	ROV12S	M20x1.5	12	14.5	31	22	24
4D-22	ROV14S	M22x1.5	14	16	34	24	27
4D-24	ROV16S	M24x1.5	16	15.5	34	27	30
4D-30	ROV20S	M30x2	20	17.5	39	32	36
4D-36	ROV25S	M36x2	25	20	44	41	46
4D-42	ROV30S	M42x2	30	20.5	47	46	50
4D-52	ROV38S	M52X2	38	23	54	55	60

4MN-WD Metric internal hex plug for port

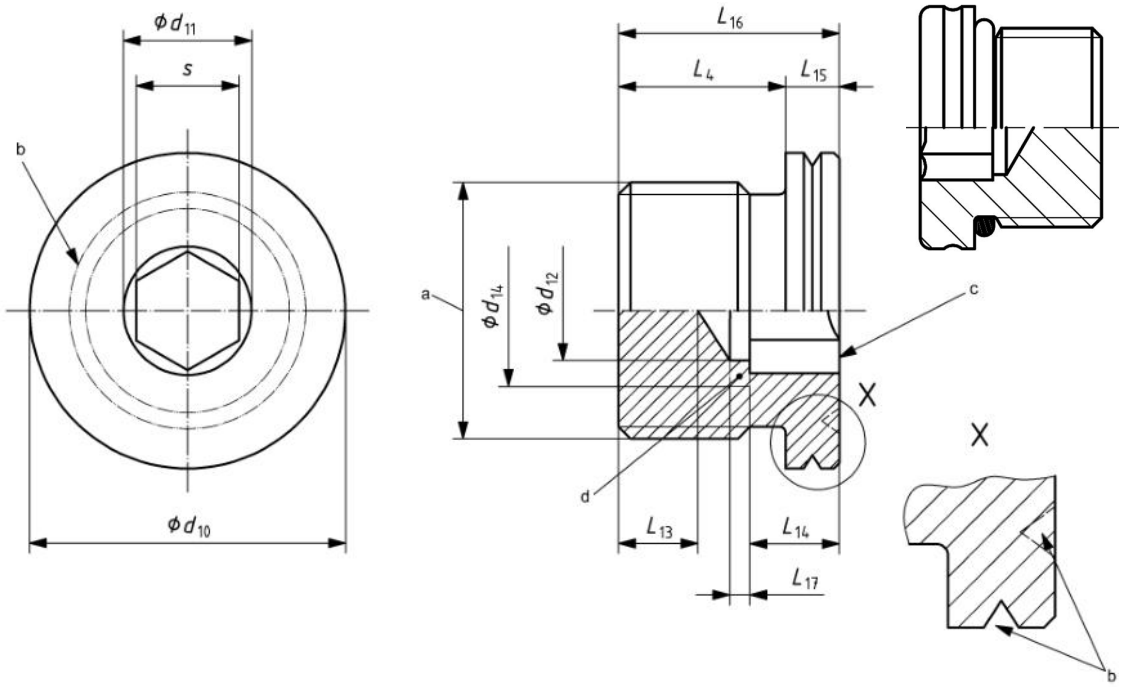
Male Metric Thread with ISO 9974 ED seal, Parker VSTI M-ED series



PART NO.	PARKER NO.	E	CAPTIVE SEAL	A	L	S1
4MN-10WD	VSTI10X1ED	M10X1	WD-B02	8	12	5
4MN-12WD	VSTI12X1.5ED	M12X1.5	WD-M12	12	17	6
4MN-14WD	VSTI14X1.5ED	M14X1.5	WD-B04	12	17	6
4MN-16WD	VSTI16X1.5ED	M16X1.5	WD-M16	12	17	8
4MN-18WD	VSTI18X1.5ED	M18X1.5	WD-M18	12	17	8
4MN-20WD	VSTI20X1.5ED	M20X1.5	WD-M20	14	19	10
4MN-22WD	VSTI22X1.5ED	M22X1.5	WD-M22	14	19	10
4MN-26WD	VSTI26X1.5ED	M26X1.5	WD-B12	16	21	12
4MN-27WD	VSTI27X2ED	M27X2	WD-B12	16	21	12
4MN-33WD	VSTI33X2ED	M33X2	WD-B16	18	24.5	17
4MN-42WD	VSTI42X2ED	M42X2	WD-B20	20	26.5	22
4MN-48WD	VSTI48X2ED	M48X2	WD-B24	22	28.5	24

4MN-OR Metric internal hex plug for port

Male Metric Thread with ISO 6149 o-ring seal, Parker VSTI M-OR series



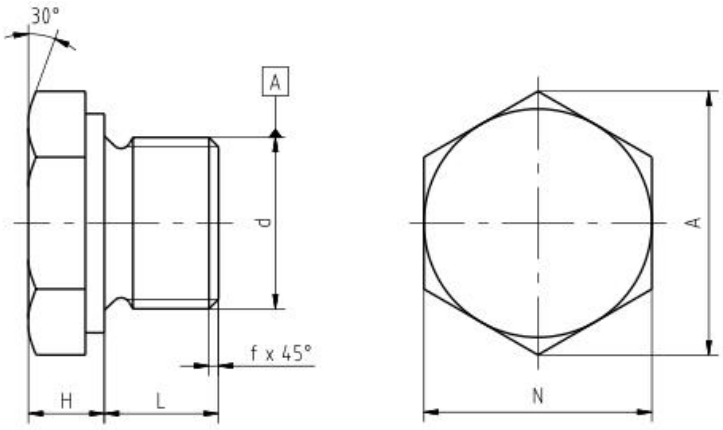
Stud end details in accordance with ISO 6149-2

PART NO.	PARKER NO.	Threads	d10	d11	d12	d14	L4	L13	L14	L15	L16	L17	s
4MN-10OR	VSTI10X1OR	M10x1	13.8	5.8	5	5.9	9.5	3	5.5	4	13.5	2.1	5
4MN-12OR	VSTI12X1.5OR	M12x1.5	16.8	6.9	6	7	11	3	7.5	4.5	15.5	2.5	6
4MN-14OR	VSTI14X1.5OR	M14x1.5	18.8	6.9	6	7	11	3	7.5	5	16	2.5	6
4MN-16OR	VSTI16X1.5OR	M16x1.5	21.8	9.2	8	9.3	12.5	3	8.5	5	17.5	2.5	8
4MN-18OR	VSTI18X1.5OR	M18x1.5	23.8	9.2	8	9.3	14	3	8.5	5	19	2.5	8
4MN-20OR	VSTI20X1.5OR	M22x1.5	26.8	11.5	10	11.6	15	3	8.5	5	20	2.9	10
4MN-22OR	VSTI22X1.5OR	M27x2	31.8	13.9	12	14	18.5	3	10.5	5	23.5	3.7	12
4MN-27OR	VSTI27X2OR	M30x2	35.8	16.2	14	16.3	18.5	3	11	6	24.5	3.7	14
4MN-33OR	VSTI33X2OR	M33x2	40.8	16.2	14	16.3	18.5	3	11	6	24.5	3.7	14
4MN-42OR	VSTI42X2OR	M42x2	49.8	19.6	17	19.7	19	3	11	6	25	3.7	17
4MN-48OR	VSTI48X2OR	M48x2	54.8	19.6	17	19.7	21.5	3	11	6	27.5	3.7	17

Identification groove 1 mm wide x 0.25 mm deep, as an optional shape.

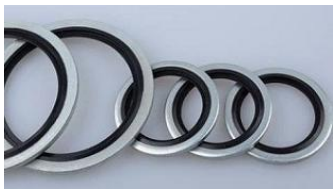
4M-BW DIN Metric Bonded Washer Plug

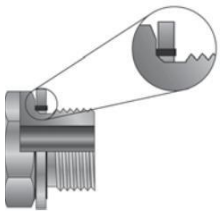
For DIN 3852-1/ ISO 9974-1 Port

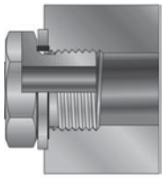


PART NO.	THREAD d	H	L	N
4M-08BW	M8x1	7.5	8	12
4M-10BW	M10x1	7.5	8	14
4M-12BW	M12x1.5	7.5	12	17
4M-14BW	M14x1.5	7.5	12	19
4M-16BW	M16x1.5	7.5	12	22
4M-18BW	M18x1.5	8	12	24
4M-20BW	M20x1.5	8	14	27
4M-22BW	M22x1.5	8	14	27
4M-24BW	M24x1.5	10.5	14	30
4M-26BW	M26x1.5	10.5	16	32
4M-28BW	M28x1.5	10.5	16	36
4M-30BW	M30x1.5	10.5	16	36
4M-32BW	M32x1.5	10.5	16	41

If need Bonded washer assembly, please indicate as the Part NO. 4M-08OR. If no, please indicated 4M-14ORN.

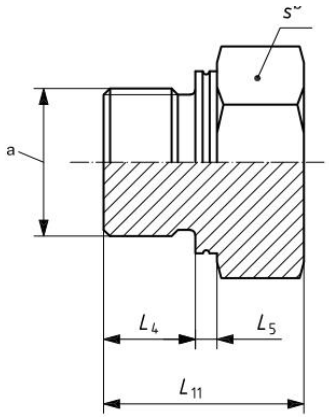






4M-OR Metric O-ring Port Plug

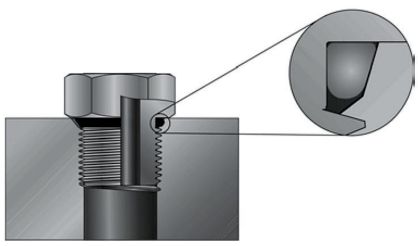
For ISO 6149-1/ SAE J2244 Port



PART NO	THREAD	L4	L5	L11	S
4M-08OR	M8x1	9,5	1,6	16,5	12
4M-10OR	M10x1	9,5	1,6	17	14
4M-12OR	M12x1,5	11	2,5	18,5	17
4M-14OR	M14x1,5	11	2,5	19,5	19
4M-16OR	M16x1,5	12,5	2,5	22	22
4M-18OR	M18x1,5	14	2,5	24	24
4M-20OR	M20x1,5	14	2,5	25	27
4M-22OR	M22x1,5	15	2,5	26	27
4M-24OR	M27 × 2	18,5	2,5	31,5	32
4M-26OR	M30 × 2	18,5	2,5	33	36
4M-28OR	M33 × 2	18,5	3	34	41
4M-30OR	M42 × 2	19	3	36,5	50
4M-32OR	M48 × 2	21,5	3	40	55

Identification groove 1 mm wide x 0.25 mm deep, as an optional shape.

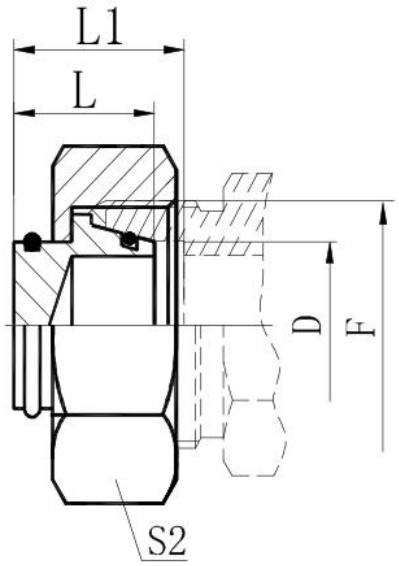




Note: 4M-08OR is with O-ring delivery, if no need, please indicate 4M-08ORN

9C 9D Metric Swivel Plug

ISO 8434-4 Female Swivel 24 degree cone plug with O-ring DKO, Parker VKAM series



PART NO.	PARKER NO.	F	D	O-RING	L	L1	S2
L SERIES							
9C-12	VKAM06L	M12X1.5	6	O04.5x1.5	15.5	17.5	14
9C-14	VKAM08L	M14X1.5	8	O06.5x1.5	15.5	18	17
9C-16	VKAM10L	M16X1.5	10	O08.0x1.5	16.5	18	19
9C-18	VKAM12L	M18X1.5	12	O10.0x1.5	18	19.5	22
9C-22	VKAM15L	M22X1.5	15	O12.0x2.0	18.5	20	27
9C-26	VKAM18L	M26X1.5	18	O15.0x2.0	19.5	22	32
9C-30	VKAM22L	M30X2	22	O20.0x2.0	21.5	22.5	36
9C-36	VKAM28L	M36X2	28	O26.0x2.0	22.5	24.5	41
9C-45	VKAM35L	M45X2	35	O32.0x2.5	25	29	50
9C-52	VKAM42L	M52X2	42	O38.0x2.5	27	31.5	60
S SERIES							
9D-14	VKAM06S	M14X1.5	6	O04.5x1.5	16	18	17
9D-16	VKAM08S	M16X1.5	8	O06.5x1.5	16.5	18.5	19
9D-18	VKAM10S	M18X1.5	10	O08.0x1.5	18	20	22
9D-20	VKAM12S	M20X1.5	12	O10.0x1.5	18.5	20.5	24
9D-22	VKAM14S	M22X1.5	14	O11.0x2.0	19	21.5	27
9D-24	VKAM16S	M24X1.5	16	O13.0x2.0	18.5	21.5	30
9D-30	VKAM20S	M30X2	20	O16.3x2.4	22.5	25	36
9D-36	VKAM25S	M36X2	25	O20.3x2.4	23.5	28.5	46
9D-42	VKAM30S	M42X2	30	O25.3x2.4	25.5	32	50
9D-52	VKAM38S	M52X2	38	O33.3x2.4	26.5	36	60