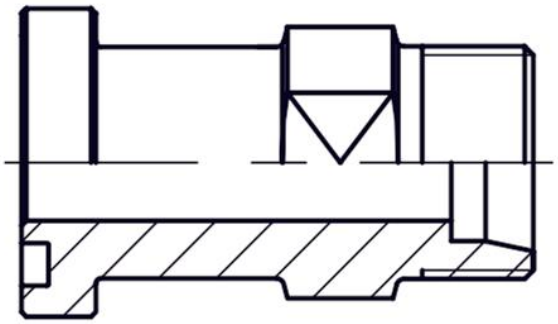
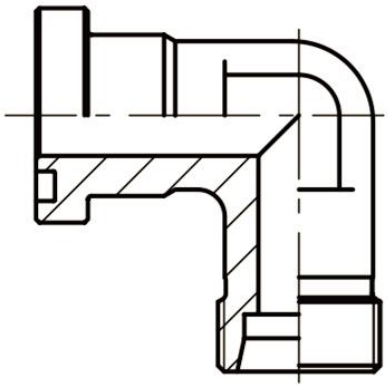
DIN SAE Flange Fitting/SAE Flange Connector



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

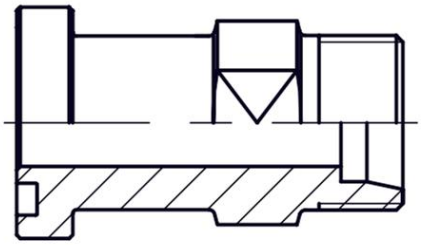
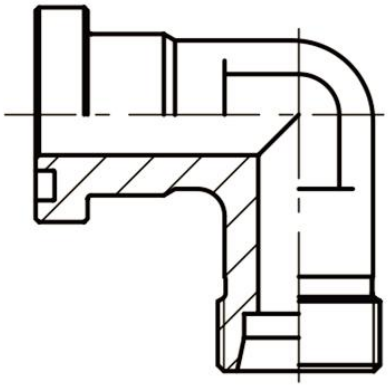
FITSCH

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

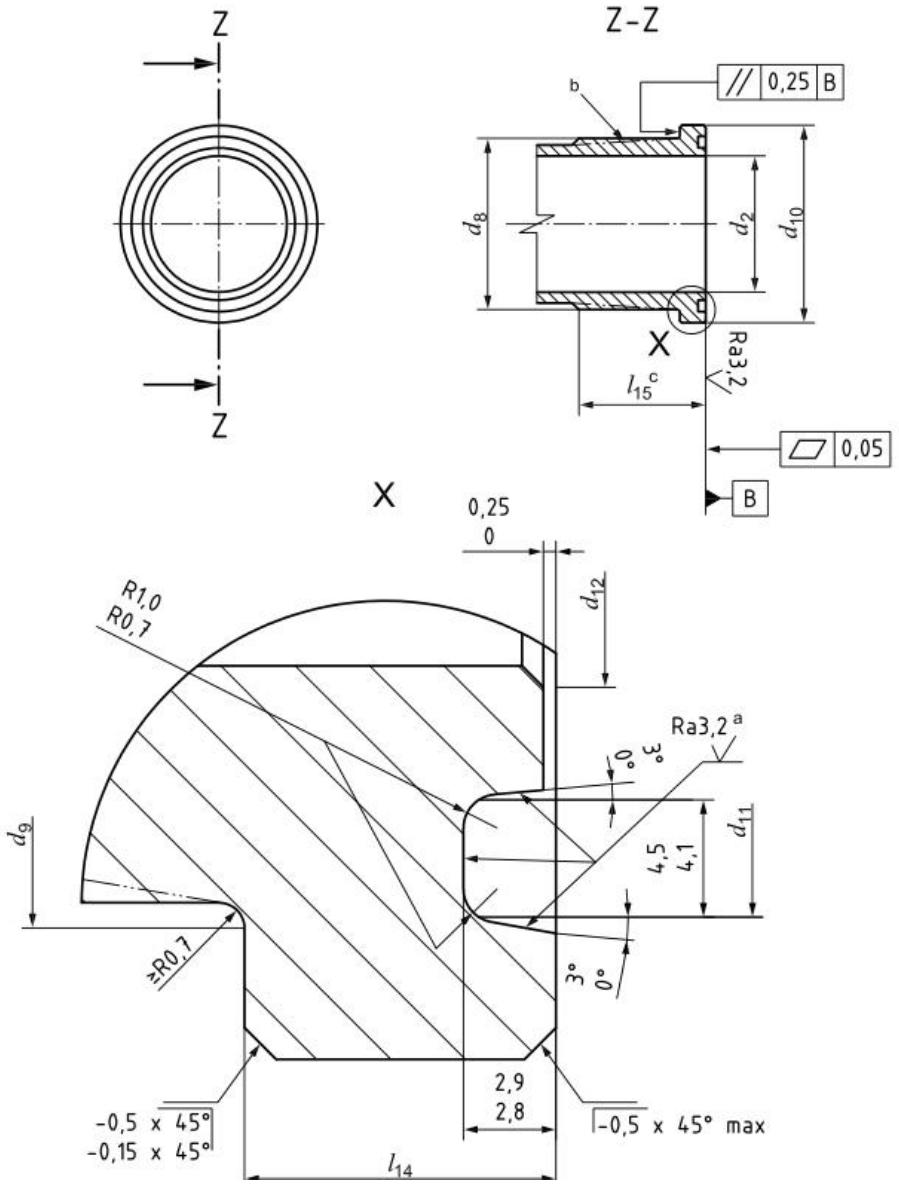


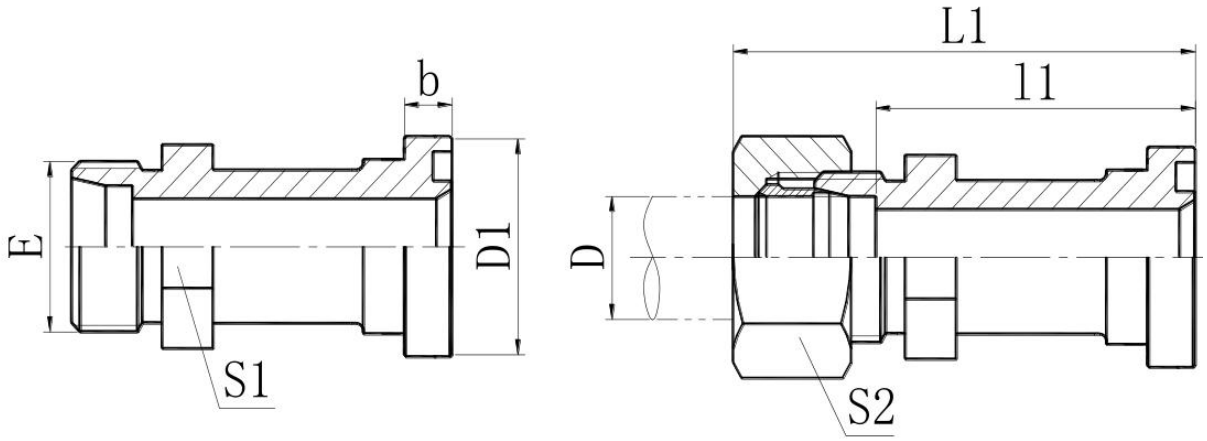
Figure of Flange Head

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

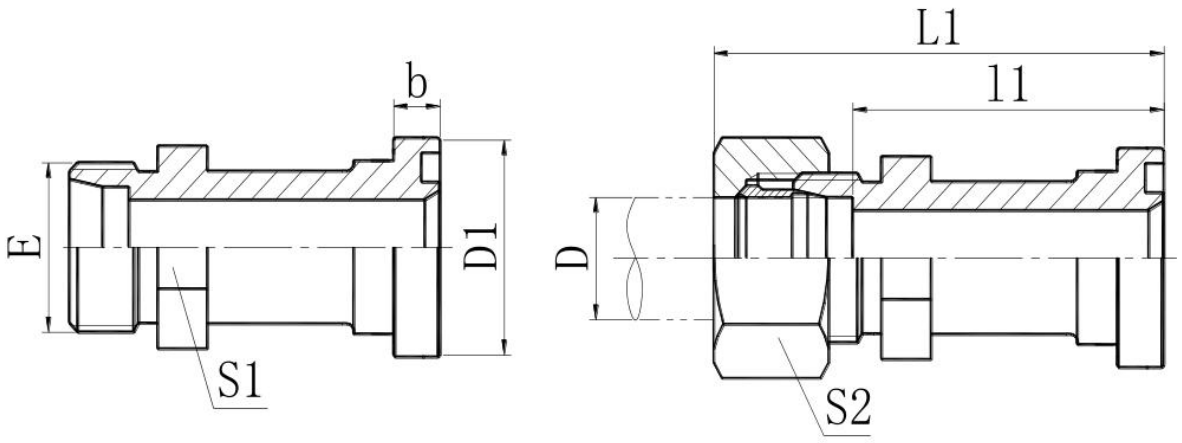
DIN 24° cone end/SAE Flange ISO 6162-1 L series, Parker GFS SAE Code 61 Flange Adapter



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

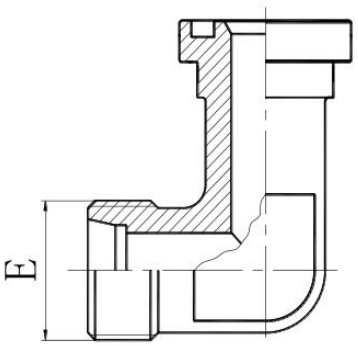
DIN 24° cone end/SAE Flange ISO 6162-2 S series, Parker GFS SAE Code 62 Flange Adapter

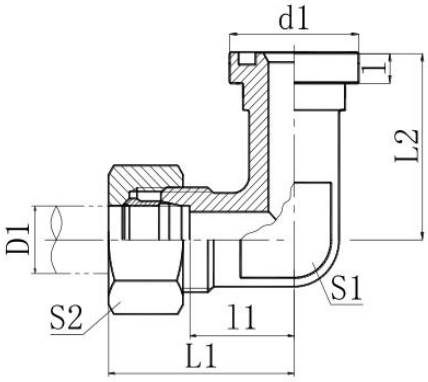


PART NO.	PARKER NO.	THREAD	FLANGE	D	O-RING	D1	b	l1	L1	S1	S2
1DFS-24-08	GFS62/16S	M24X1.5	1/2"	16	O210 N90	31.7	7.8	44.5	63	24	30
1DFS-24-12	GFS63/16S	M24X1.5	3/4"	16	O214 N90	41.3	8.8	50.5	69	30	30
1DFS-30-12	GFS63/20S	M30X2	3/4"	20	O214 N90	41.3	8.8	50.5	72	30	36
1DFS-36-12	GFS63/25S	M36X2	3/4"	25	O214 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

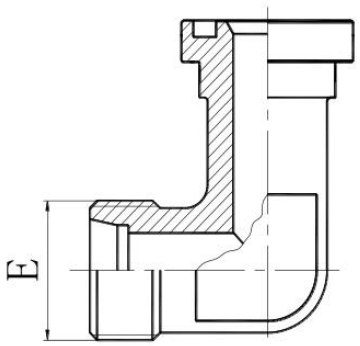


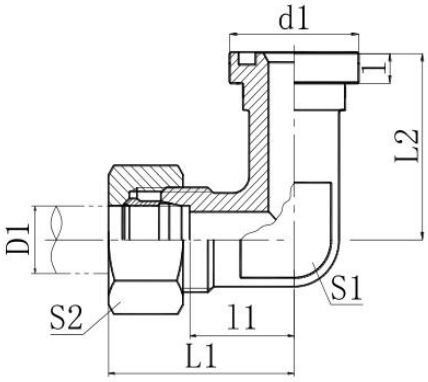


PART NO.	PARKER NO.	THREAD	FLANGE	TUBE O.D.	O-RING	d1	l	l1	L1	L2	S1	S2
WITH L SERIES 24° CONE END												
1CFL9-18-08	WFS32/12L	M18X1.5	1/2"	12	O210	30.2	6.7	29	45	38	24	
1CFL9-22-08	WFS32/15L	M22X1.5	1/2"	15	O210	30.2	6.7	29	45	36	24	27
1CFL9-22-12	WFS33/15L	M22X1.5	3/4"	15	O214	38.1	6.7	33	49	42	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