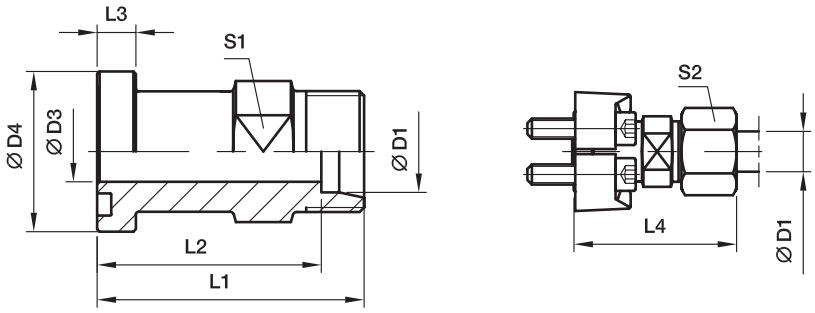
GFS SAE Straight flange adapter

SAE Flange / EO 24° cone end
(ISO 6162-1/-2)



3000 PSI Series

Nom. flange size		D1[2]								Screws		Weight (steel)		PN (bar)[1]	
SAE (in)	ISO (DN)		D3	D4	L1	L2	L3	L4	S1	S2	(metr.)	(unc.)	kg/piece	Order code*	CF	71
1/2	13	15L	12.0	30.2	48.0	41.0	6.7	56.0	24	27	M 8×25	5/16×1 1/4	0.36	**GFS32/15L**	315	315
1/2	13	16S	12.0	30.2	50.0	41.5	6.7	60.0	24	30	M 8×25	5/16×1 1/4	0.40	**GFS32/16S**	350	350
1/2	13	18L	14.0	30.2	50.0	42.5	6.7	61.0	19	32	M 8×25	5/16×1 1/4	0.42	**GFS32/18L**	315	315
3/4	19	16S	12.0	38.1	55.0	46.5	6.7	64.5	27	30	M10×30	3/8×1 1/4	0.52	**GFS33/16S**	350	350
3/4	19	18L	17.0	38.1	53.0	45.5	6.7	62.0	30	32	M10×30	3/8×1 1/4	0.59	**GFS33/18L**	315	315
3/4	19	22L	19.0	38.1	53.0	45.5	6.7	62.0	30	36	M10×30	3/8×1 1/4	0.59	**GFS33/22L**	160	160
3/4	19	28L	19.0	38.1	55.0	41.0	6.7	64.0	32	41	M10×30	3/8×1 1/4	0.60	**GFS33/28L**	160	160
3/4	19	20S	17.0	38.1	57.0	46.5	6.7	68.0	30	36	M10×30	3/8×1 1/4	0.65	**GFS33/20S**	350	350
3/4	19	25S	17.0	38.1	57.0	45.0	6.7	69.0	30	46	M10×30	3/8×1 1/4	0.78	**GFS33/25S**	350	350
1	25	20S	25.0	44.5	60.0	48.5	8.0	71.0	32	36	M10×30	3/8×1 1/4	0.70	**GFS34/20S**	350	350
1	25	28L	24.0	44.5	54.0	46.5	8.0	63.0	36	41	M10×30	3/8×1 1/4	0.73	**GFS34/28L**	160	160
1	25	25S	20.0	44.5	58.0	46.5	8.0	60.0	36	46	M10×30	3/8×1 1/4	0.84	**GFS34/25S**	350	350
1	25	30S	24.0	44.5	63.0	49.5	8.0	76.0	36	50	M10×30	3/8×1 1/4	0.94	**GFS34/30S**	250	250
1	25	42L	24.0	44.5	76.0	65.0	8.0	87.5	41	60	M10×30	3/8×1 1/4	0.95	**GFS34/42L**	160	160
1 1/4	32	35L	32.0	50.8	58.0	47.5	8.0	69.0	41	50	M10×35	–	0.96	**GFS35/35L/10[3])**	160	160
1 1/4	32	25S	27.0	50.8	60.0	48.0	8.0	72.0	41	46	M10×35	–	1.11	**GFS35/25S/10**	200	200
1 1/4	32	30S	28.5	50.8	62.0	48.5	8.0	75.0	41	50	M10×35	–	1.13	**GFS35/30S/10**	200	200
1 1/4	32	38S	28.0	50.8	66.0	50.0	8.0	81.0	46	60	M10×35	–	1.36	**GFS35/38S/10**	200	200
1 1/4	32	28L	23.0	50.8	60.0	52.5	8.0	67.0	36	41	M12×40	7/16×1 1/2	1.12	**GFS35/28L**	160	160
1 1/4	32	35L	32.0	50.8	58.0	47.5	8.0	69.0	41	50	M12×40	7/16×1 1/2	1.02	**GFS35/35L**	160	160
1 1/4	32	25S	27.0	50.8	60.0	48.0	8.0	72.0	41	46	M12×40	7/16×1 1/2	1.17	**GFS35/25S**	200	200
1 1/4	32	30S	28.5	50.8	62.0	48.5	8.0	75.0	41	50	M12×40	7/16×1 1/2	1.20	**GFS35/30S**	200	200
1 1/4	32	38S	28.0	50.8	66.0	50.0	8.0	81.0	46	60	M12×40	7/16×1 1/2	1.41	**GFS35/38S**	200	200
1 1/2	38	35L	30.0	60.3	65.0	54.5	8.0	76.0	46	50	M12×35	1/2×1 1/2	1.20	**GFS36/35L**	160	160
1 1/2	38	42L	36.0	60.3	64.0	53.0	8.0	76.0	46	60	M12×35	1/2×1 1/2	1.36	**GFS36/42L**	160	160
1 1/2	38	38S	32.0	60.3	70.0	54.0	8.0	85.0	46	60	M12×35	1/2×1 1/2	1.63	**GFS36/38S**	200	200

[1]) Pressure shown = Item deliverable

[2]) L = light series; S = heavy series

$$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$$

Delivery without nut and ring.
Information on ordering complete fittings
or alternative sealing materials see page M11.

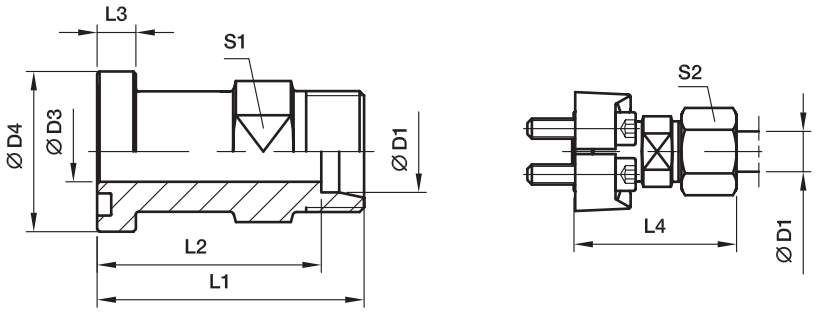
[3]) Order code for the flange adapter assembled with FHS35/10CFX and M10X35 screws.

*Please add the **suffixes** below according to the material/surface required.

Order code suffixes					
Material	Suffix surface and material	Example only flange adapter	Example incl. splitflanges, metr. screws and O-ring	Example incl. splitflanges, UNC screws and O-ring	Standard sealing material (no additional suffix needed)
Steel, zinc plated, Cr(VI)-free	CF	GFS32/16SCFX	GFS32/16SOMDCF	GFS32/16SOMDCFU	NBR
Stainless steel	71	GFS32/16S71X	GFS32/16SOMD71	GFS32/16SOMD71U	VIT

GFS SAE Straight flange adapter

SAE Flange / EO 24° cone end
(ISO 6162-1/-2)



6000 PSI Series

Nom. flange size SAE (in)	Nom. flange size ISO (DN)	D1[2]	D3	D4	L1	L2	L3	L4	S1	S2	Screws (metr.)	Screws (unc.)	Weight (steel) kg/piece	Order code*	PN (bar)[1] CF	PN (bar)[1] 71
1/2	13	12S	8	31.8	50.0	42.5	7.7	57.5	19	24	M 8×30	5/16×1 1/4	0.35	**GFS62/12S**	420	420
1/2	13	14S	10	31.8	50.0	42.0	7.7	59.5	19	27	M 8×30	5/16×1 1/4	0.39	**GFS62/14S**	420	420
1/2	13	16S	12	31.8	53.0	44.5	7.7	62.5	24	30	M 8×30	5/16×1 1/4	0.47	**GFS62/16S**	420	420
3/4	19	16S	17	41.3	59.0	50.5	8.7	68.5	30	30	M10×35	3/8×1 1/2	0.79	**GFS63/16S**	420	420
3/4	19	20S	17	41.3	61.0	50.5	8.7	72.0	30	36	M10×35	3/8×1 1/2	0.86	**GFS63/20S**	420	400
3/4	19	25S	17	41.3	63.0	51.0	8.7	75.0	30	46	M10×35	3/8×1 1/2	0.97	**GFS63/25S**	420	400
3/4	19	30S	18	41.3	76.0	62.0	8.7	89.0	30	50	M10×35	3/8×1 1/2	1.15	**GFS63/30S**	420	400
3/4	19	38S	18	41.3	85.0	69.0	8.7	99.5	41	60	M10×35	3/8×1 1/2	1.15	**GFS63/38S**	315	315
1	25	20S	16	47.6	75.0	64.5	9.5	88.0	36	36	M12×45	7/16×1 3/4	0.97	**GFS64/20S**	420	400
1	25	25S	20	47.6	72.0	60.0	9.5	84.0	36	46	M12×45	7/16×1 3/4	1.42	**GFS64/25S**	420	400
1	25	30S	24	47.6	74.0	62.0	9.5	87.0	36	50	M12×45	7/16×1 3/4	1.40	**GFS64/30S**	420	400
1	25	38S	24	47.6	84.5	68.0	9.5	99.0	46	60	M12×45	7/16×1 3/4	1.40	**GFS64/38S**	315	315
1 1/4	32	25S	20	54.0	80.0	68.0	10.2	92.0	41	46	M14×50	1/2×1 3/4	1.85	**GFS65/25S**	420	400
1 1/4	32	30S	30	54.0	79.0	65.5	10.2	92.0	41	50	M12×45	–	1.95	**GFS65/30S/12[3]**	420	400
1 1/4	32	38S	30	54.0	83.0	67.0	10.2	97.5	46	60	M12×45	–	2.16	**GFS65/38S/12**	315	315
1 1/4	32	30S	30	54.0	79.0	65.5	10.2	92.0	41	50	M14×50	1/2×1 3/4	1.90	**GFS65/30S**	420	400
1 1/4	32	38S	30	54.0	83.0	67.0	10.2	97.5	46	60	M14×50	1/2×1 3/4	2.10	**GFS65/38S**	315	315
1 1/2	38	30S	30	63.5	90.0	74.0	12.5	103.0	46	50	M16×55	5/8×2 1/4	2.10	**GFS66/30S**	420	400
1 1/2	38	38S	30	63.5	89.0	73.0	12.5	103.5	46	60	M16×55	5/8×2 1/4	3.06	**GFS66/38S**	315	315

[1]) Pressure shown = Item deliverable

[2]) S = heavy series

$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

Delivery without nut and ring.
Information on ordering complete fittings
or alternative sealing materials see page M11.

[3]) Order code for the flange adapter assembled with FHS65/12CFX and M12X45 screws.

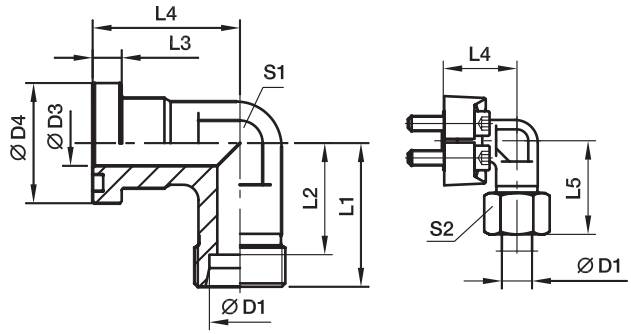
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*Please add the **suffixes** below according to the material/surface required.

Order code suffixes					
Material	Suffix surface and material	Example only flange adapter	Example incl. splitflanges, metr. screws and O-ring	Example incl. splitflanges, UNC screws and O-ring	Standard sealing material (no additional suffix needed)
Steel, zinc plated, Cr(VI)-free	CF	GFS62/16SCFX	GFS62/16SOMDCF	GFS62/16SOMDCFU	NBR
Stainless steel	71	GFS62/16S71X	GFS62/16SOMD71	GFS62/16SOMD71U	VIT

WFS SAE 90° Elbow flange adapter

SAE Flange / EO 24° cone end
(ISO 6162-1/-2)



3000 PSI Series

Nom. flange size SAE (in)	ISO (DN)	D1[2]	D3	D4	L1	L2	L3	L4	L5	S1	S2	Screws (metr.)	Screws (unc.)	Weight (steel) kg/piece	Order code*	PN (bar)[1] CF	PN (bar)[1] 71
1/2	13	12S	12	30.2	50	42.5	6.7	44	58.5	22	24	M 8x25	5/16x1 1/4	0.38	**WFS32/12S**	210	210
1/2	13	15L	12	30.2	36	29.0	6.7	36	44.0	24	27	M 8x25	5/16x1 1/4	0.40	**WFS32/15L**	315	315
1/2	13	16S	12	30.2	38	29.5	6.7	36	48.0	24	30	M 8x25	5/16x1 1/4	0.43	**WFS32/16S**	350	350
1/2	13	18L	12	30.2	50	42.5	6.7	44	59.0	22	32	M 8x25	5/16x1 1/4	0.44	**WFS32/18L**	315	315
3/4	19	16S	19	38.1	64	55.5	6.7	53	73.5	27	30	M10x30	3/8x1 1/4	0.60	**WFS33/16S**	350	350
3/4	19	18L	19	38.1	39	31.5	6.7	42	48.0	30	32	M10x30	3/8x1 1/4	0.66	**WFS33/18L**	315	315
3/4	19	22L	19	38.1	41	33.5	6.7	42	50.0	30	36	M10x30	3/8x1 1/4	0.66	**WFS33/22L**	160	160
3/4	19	20S	17	38.1	43	32.5	6.7	42	54.0	30	36	M10x30	3/8x1 1/4	0.76	**WFS33/20S**	350	350
3/4	19	25S	17	38.1	45	33.0	6.7	42	57.0	30	46	M10x30	3/8x1 1/4	0.89	**WFS33/25S**	350	350
1	25	20S	20	44.5	65	54.5	8.0	60	77.0	34	36	M10x30	3/8x1 1/4	0.78	**WFS34/20S**	350	350
1	25	22L	18	44.5	65	57.5	8.0	60	74.0	34	36	M10x30	3/8x1 1/4	0.81	**WFS34/22L**	160	160
1	25	28L	25	44.5	44	36.5	8.0	45	53.0	36	41	M10x30	3/8x1 1/4	0.85	**WFS34/28L**	160	160
1	25	25S	20	44.5	48	36.5	8.0	45	57.0	36	46	M10x30	3/8x1 1/4	0.95	**WFS34/25S**	350	350
1	25	30S	24	44.5	50	36.5	8.0	45	63.0	36	50	M10x30	3/8x1 1/4	1.06	**WFS34/30S**	250	250
1 1/4	32	35L	32	50.8	57	46.5	8.0	50	68.0	41	50	M10x35	3/8x1 1/4	1.15	**WFS35/35L/10[3]**	160	160
1 1/4	32	25S	27	50.8	55	43.0	8.0	60	67.0	41	46	M10x35	3/8x1 1/4	1.35	**WFS35/25S/10**	200	200
1 1/4	32	30S	28	50.8	57	43.5	8.0	50	70.0	41	50	M10x35	3/8x1 1/4	1.40	**WFS35/30S/10**	200	200
1 1/4	32	38S	28	50.8	59	43.0	8.0	50	74.0	46	60	M10x35	3/8x1 1/4	1.53	**WFS35/38S/10**	200	200
1 1/4	32	35L	32	50.8	57	46.5	8.0	50	68.0	41	50	M12x40	7/16x1 1/2	1.15	**WFS35/35L**	160	160
1 1/4	32	25S	27	50.8	55	43.0	8.0	50	67.0	41	46	M12x40	7/16x1 1/2	1.35	**WFS35/25S**	200	200
1 1/4	32	30S	28	50.8	57	43.5	8.0	50	70.0	41	50	M12x40	7/16x1 1/2	1.40	**WFS35/30S**	200	200
1 1/4	32	38S	28	50.8	59	43.0	8.0	50	74.0	41	60	M12x40	7/16x1 1/2	1.53	**WFS35/38S**	200	200
1 1/2	38	35L	30	60.3	78	67.5	8.0	66	83.0	50	50	M12x35	1/2x1 1/2	1.55	**WFS36/35L**	160	160
1 1/2	38	42L	36	60.3	58	47.0	8.0	55	70.0	50	60	M12x35	1/2x1 1/2	1.60	**WFS36/42L**	160	160
1 1/2	38	38S	36	60.3	64	48.0	8.0	55	79.0	50	60	M12x35	1/2x1 1/2	1.95	**WFS36/38S**	200	200

[1]) Pressure shown = Item deliverable

[2]) L = light series; S = heavy series

$$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$$

Delivery without nut and ring.
Information on ordering complete fittings
or alternative sealing materials see page M11.

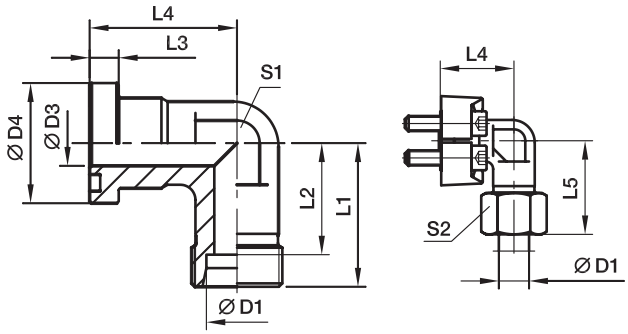
[3]) Order code for the elbow flange adapter assembled with FHS35/10CFX and M10X35 screws.

*Please add the **suffixes** below according to the material/surface required.

Order code suffixes					
Material	Suffix surface and material	Example only flange adapter	Example incl. splitflanges, metr. screws and O-ring	Example incl. splitflanges, UNC screws and O-ring	Standard sealing material (no additional suffix needed)
Steel, zinc plated, Cr(VI)-free	CF	WFS32/16SCFX	WFS32/16SOMDCF	WFS32/16SOMDCFU	NBR
Stainless steel	71	WFS32/16S71X	WFS32/16SOMD71	WFS32/16SOMD71U	VIT

WFS SAE 90° Elbow flange adapter

SAE Flange / EO 24° cone end
(ISO 6162-1/-2)



6000 PSI Series

Nom. flange size SAE (in)	ISO (DN)	D1[2])	D3	D4	L1	L2	L3	L4	L5	S1	S2	Screws (metr.)	Screws (unc.)	Weight (steel) kg/piece	Order code*	PN (bar)[1]) CF	71
1/2	13	12S	12	31.8	50	42.5	7.7	44	58.5	22	24	M 8×30	5/16×1 1/4	0.37	**WFS62/12S**	420	420
1/2	13	14S	12	31.8	50	42.0	7.7	44	59.5	22	27	M 8×30	5/16×1 1/4	0.39	**WFS62/14S**	420	420
1/2	13	16S	12	31.8	38	29.5	7.7	39	48.0	24	30	M 8×30	5/16×1 1/4	0.49	**WFS62/16S**	420	420
3/4	19	16S	17	41.3	45	36.5	8.7	48	55.0	32	30	M10×35	3/8×1 1/2	0.92	**WFS63/16S**	420	420
3/4	19	20S	17	41.3	46	35.5	8.7	48	57.0	32	36	M10×35	3/8×1 1/2	0.97	**WFS63/20S**	420	400
3/4	19	25S	17	41.3	48	36.0	8.7	48	60.0	32	46	M10×35	3/8×1 1/2	1.19	**WFS63/25S**	420	400
1	25	20S	16	47.6	65	54.5	9.5	62	75.0	34	36	M12×45	7/16×1 3/4	1.69	**WFS64/20S**	420	400
1	25	25S	20	47.6	53	44.0	9.5	60	65.0	41	46	M12×45	7/16×1 3/4	1.67	**WFS64/25S**	420	400
1	25	30S	25	47.6	55	41.5	9.5	60	68.0	41	50	M12×45	7/16×1 3/4	1.63	**WFS64/30S**	420	400
1 1/4	32	25S	25	54.0	64	52.0	10.2	55	76.0	42	46	M12×45	7/16×1 1/2	2.23	**WFS65/25S/12[3])**	420	400
1 1/4	32	30S	30	54.0	58	44.5	10.2	68	71.0	46	50	M12×45	7/16×1 1/2	2.20	**WFS65/30S/12**	420	400
1 1/4	32	38S	30	54.0	61	45.0	10.2	68	76.0	46	60	M12×45	7/16×1 1/2	2.39	**WFS65/38S/12**	315	315
1 1/4	32	25S	25	54.0	64	52.0	10.2	55	76.0	42	46	M14×50	1/2×1 3/4	2.23	**WFS65/25S**	420	400
1 1/4	32	30S	30	54.0	58	44.5	10.2	68	71.0	46	50	M14×50	1/2×1 3/4	2.20	**WFS65/30S**	420	400
1 1/4	32	38S	30	54.0	61	45.0	10.2	68	76.0	46	60	M14×50	1/2×1 3/4	2.39	**WFS65/38S**	315	315
1 1/2	38	30S	25	63.5	76	63.5	12.5	77	90.0	50	50	M16×55	5/8×2 1/4	2.38	**WFS66/30S**	420	400
1 1/2	38	38S	32	63.5	72	56.0	12.5	76	87.0	50	60	M16×55	5/8×2 1/4	2.58	**WFS66/38S**	315	315

[1]) Pressure shown = Item deliverable

[2]) S = heavy series

$\frac{\text{PN (bar)}}{10}$ = PN (MPa)

Delivery without nut and ring.
Information on ordering complete fittings or alternative sealing materials see page M11.

[3]) Order code for the elbow flange adapter assembled with FHS65/12CFX and M12X45 screws.

M

*Please add the **suffixes** below according to the material/surface required.

Order code suffixes					
Material	Suffix surface and material	Example only flange adapter	Example incl. splitflanges, metr. screws and O-ring	Example incl. splitflanges, UNC screws and O-ring	Standard sealing material (no additional suffix needed)
Steel, zinc plated, Cr(VI)-free	CF	WFS62/16SCFX	WFS62/16SOMDCF	WFS62/16SOMDCFU	NBR
Stainless steel	71	WFS62/16S71X	WFS62/16SOMD71	WFS62/16SOMD71U	VIT