



RFS HYDRAULICS
CREATING OPPORTUNITIES



SPLIT FLANGES

Specifications

SAE-J518/ISO 6162, Hydraulic flanged tube, pipe and hose connections, four-bolt split flange type

Material Specifications:

ST52.3

SS316

Size Range:

Code 61 (Series 3000): 3/8"NB – 5"NB

Code 62 (Series 6000): 3/8"NB – 3"NB

Working Pressure:

Code 61 (Series 3000): 34 – 345 Bar

Code 62 (Series 6000): 200 – 414 Bar

Temperature:

Carbon steel: -40°C - +120°C

Stainless steel: -60°C - +50°C

Working pressure for material stainless steel shall be reduced if exceed certain temperature:

40% above +50°C to < +100°C

11% above +100°C to < +200°C

20% above +200°C to < +250°C

Orings:

NBR (Standard), Viton (Optional)

Flange Screws:

Metric screws according to DIN 912-8.8 (Standard)

Metric screws according to DIN 912-10.9 (Optional)



**Hydraulic SAE Split Flanges/
Flanges Head**

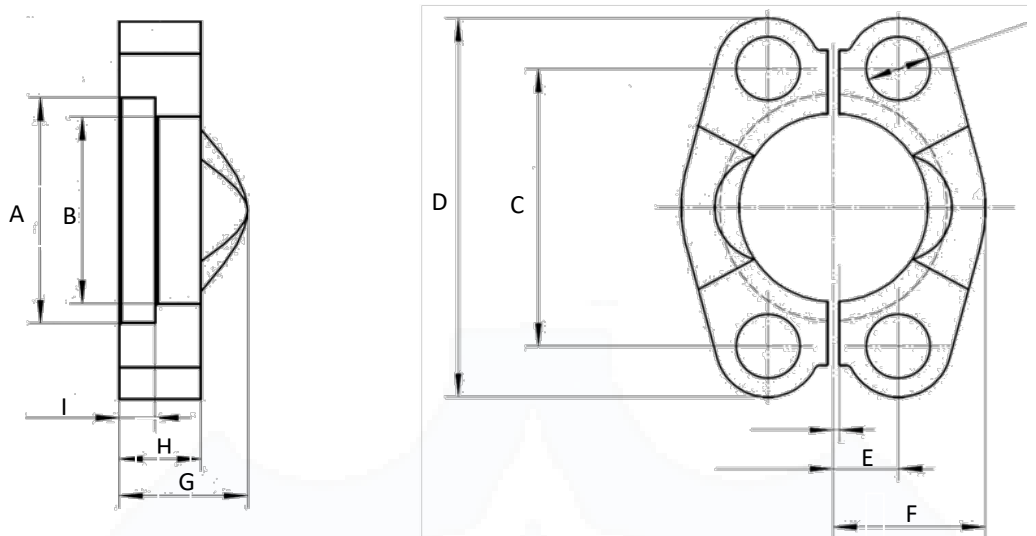
SAE Flange Recommended Torque Values

Code 61 (Series 3000)			Code 62 (Series 6000)	
Flange Size	Recommended Torque Range N/m		Flange Size	Recommended Torque Range N/m (+10% -0)
1/2"	32		1/2"	32
3/4"	70		3/4"	70
1"	70		1"	130
1 1/4"	70		1 1/4"	130
1 1/2"	130		1 1/2"	295
2"	130		2"	550
2 1/2"	130		2 1/2"	550
3"	295		3"	650
3 1/2"	295			
4"	295			
5"	295			

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CUT SPLIT FLANGES

Series 3000

WP (Bar)	Size	Type	Dimensions									
			A	B	C	D	E	F	G	H	I	Screws / L
345	1/2"	AFS301	30.96	24.26	38.10	54	8.74	22.8	19	13	6.22	M8 x 30
345	3/4"	AFS302	38.89	32.13	47.63	65	11.13	25.9	22	14	6.22	M10 x 35
345	1"	AFS303	45.24	38.48	52.37	70	13.08	29.2	24	16	7.49	M10 x 35
276	1 1/4"	AFS304	51.59	43.69	58.72	79	15.09	36.3	22	14	7.49	M10 x 35
207	1 1/2"	AFS305	61.09	50.80	69.85	94	17.86	41.1	25	16	7.49	M12 x 35
207	2"	AFS306	72.24	62.74	77.77	102	21.44	48.2	26	16	9.02	M12 x 35
172	2 1/2"	AFS307	84.94	74.93	88.90	114	25.40	54.1	38	19	9.02	M12 x 40
138	3"	AFS308	102.39	90.93	106.38	135	30.96	65.3	41	22	9.02	M16 x 50
34	3 1/2"	AFS309	115.10	102.36	120.65	152	34.92	69.5	28	22	10.72	M16 x 50
34	4"	AFS310	127.79	115.06	130.18	162	38.88	76.0	35	25	10.72	M16 x 50
34	5"	AFS311	153.19	140.46	152.40	184	46.04	90.0	41	28	10.72	M16 x 50

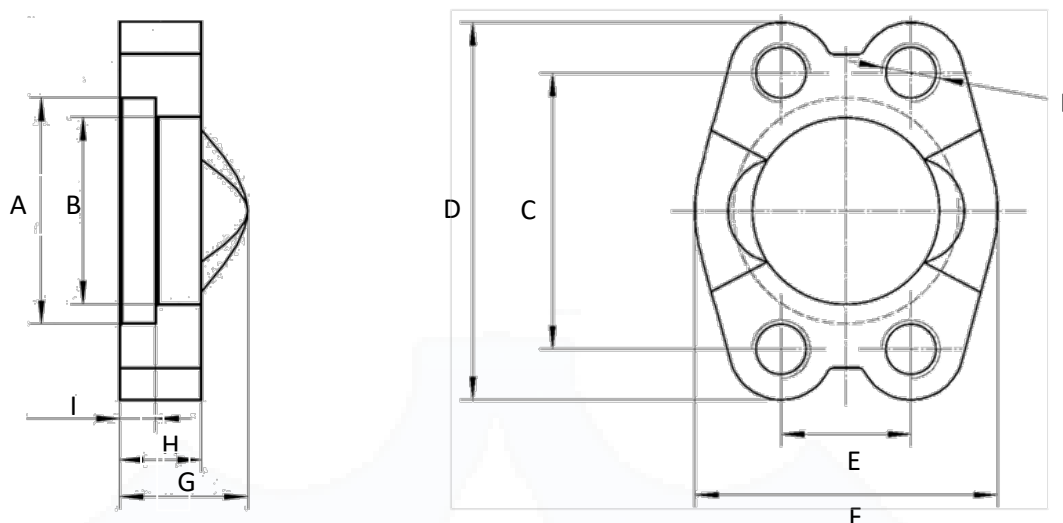
Series 6000

WP (Bar)	Size	Type	Dimensions									
			A	B	C	D	E	F	G	H	I	Screws / L
414	1/2"	AFS601	32.54	24.64	40.49	56	9.12	23.6	22	16	7.24	M8 x 30
414	3/4"	AFS602	42.06	32.51	50.80	71	11.91	30.0	28	19	8.26	M10 x 35
414	1"	AFS603	48.41	38.86	57.15	81	13.89	34.8	33	24	9.02	M12 x 45
414	1 1/4"	AFS604	54.76	44.45	66.68	95	15.88	38.6	38	27	9.78	M14 x 45
414	1 1/2"	AFS605	64.29	51.56	79.38	113	18.26	47.5	43	30	12.07	M16 x 50
414	2"	AFS606	80.16	67.56	96.82	133	22.23	56.9	52	37	12.07	M20 x 70

Designation For Order

Cut Split Flanges	
ST52.3	AFS...
SS316	AFX...

UNCUT SPLIT FLANGES



Series 3000

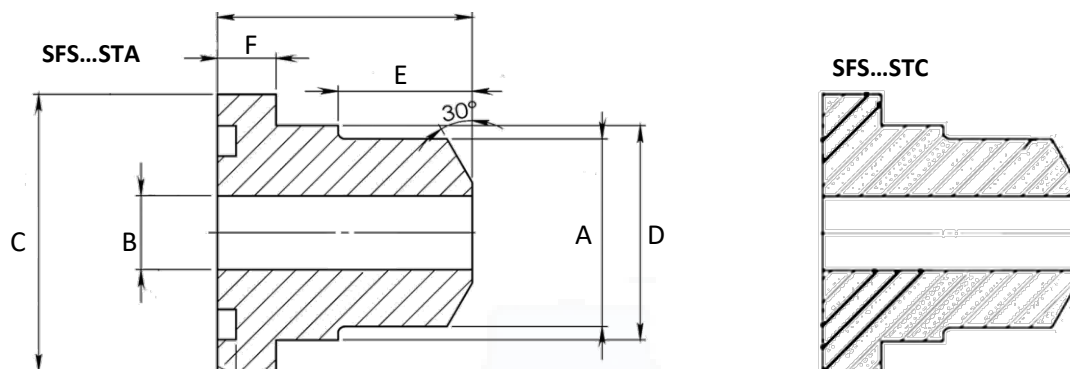
WP (Bar)	Size	Type	Dimensions									
			A	B	C	D	E	F	G	H	I	Screws / L
345	1/2"	AFSI301	30.96	24.26	38.10	54	17.48	45.6	19	13	6.22	M8 x 30
345	3/4"	AFSI302	38.89	32.13	47.63	65	22.23	51.8	22	14	6.22	M10 x 35
345	1"	AFSI303	45.24	38.48	52.37	70	26.19	58.4	24	16	7.49	M10 x 35
276	1 1/4"	AFSI304	51.59	43.69	58.72	79	30.18	72.6	22	14	7.49	M10 x 35
207	1 1/2"	AFSI305	61.09	50.80	69.85	94	35.71	82.2	25	16	7.49	M12 x 35
207	2"	AFSI306	72.24	62.74	77.77	102	42.88	96.4	26	16	9.02	M12 x 35
172	2 1/2"	AFSI307	84.94	74.93	88.90	114	50.80	108.2	38	19	9.02	M12 x 40
138	3"	AFSI308	102.39	90.93	106.38	135	61.93	130.6	41	22	9.02	M16 x 50
34	3 1/2"	AFSI309	115.10	102.36	120.65	152	69.85	139.0	28	22	10.72	M16 x 50
34	4"	AFSI310	127.79	115.06	130.18	162	77.77	152.0	35	25	10.72	M16 x 50
34	5"	AFSI311	153.19	140.46	152.40	184	92.08	180.0	41	28	10.72	M16 x 50

Series 6000

WP (Bar)	Size	Type	Dimensions									
			A	B	C	D	E	F	G	H	I	Screws / L
414	1/2"	AFSI601	32.54	24.64	40.49	56	18.24	47.2	22	16	7.24	M8 x 30
414	3/4"	AFSI602	42.06	32.51	50.80	71	23.80	60.0	28	19	8.26	M10 x 35
414	1"	AFSI603	48.41	38.86	57.15	81	27.76	69.6	33	24	9.02	M12 x 45
414	1 1/4"	AFSI604	54.76	44.45	66.68	95	31.75	77.2	38	27	9.78	M14 x 45
414	1 1/2"	AFSI605	64.29	51.56	79.38	113	36.50	95.0	43	30	12.07	M16 x 50
414	2"	AFSI606	80.16	67.56	96.82	133	44.45	113.8	52	37	12.07	M20 x 70

Designation For Order

Uncut Split Flanges (Without bolt thread)		Uncut Split Flanges (With bolt thread)	
ST52.3	AFSI...	ST52.3	GFSI...
SS316	AFXI...	SS316	GFXI...

WELD ON FLANGE HEAD

Series 3000

WP (Bar)	Size	Type	Dimensions					
			A	B	C	D	E	F
345	1/2"	SFS301STA21B6	21.5	6.3	30.2	24	41	6.73
345	3/4"	SFS302STA28B11	28.0	11.0	38.1	32	50	6.73
345	1"	SFS303STA34B15	34.0	15.2	44.4	38	50	8.00
276	1 1/4"	SFS304STA42B22	42.8	22.8	50.8	43	55	8.00
207	1 1/2"	SFS305STA50B28	50.0	28.0	60.3	50	57	8.00
207	2"	SFS306STA61B38	61.0	38.2	71.4	62	57	9.53
172	2 1/2"	SFS307STA74B54	74.0	54.0	84.1	74	58	9.53
138	3"	SFS308STA90B66	90.0	66.0	101.6	90	60	9.53
34	3 1/2"	SFS309STA102B76	102.0	76.0	114.3	102	80	11.20
34	4"	SFS311STA114B87	114.3	87.0	127.0	114.3	80	11.20
34	5"	SFS311STA139B107	139.7	107.0	152.4	139.7	80	11.20

Series 6000

WP (Bar)	Size	Type	Dimensions					
			A	B	C	D	E	F
414	1/2"	SFS601STA21B6	21.5	6.3	31.8	24	34	7.75
414	3/4"	SFS602STA28B11	28.0	11.0	41.3	32	38	8.76
414	1"	SFS603STA34B15	34.0	15.2	47.6	38	40	9.53
414	1 1/4"	SFS604STA42B22	42.8	22.8	54.0	44	45	10.29
414	1 1/2"	SFS605STA50B28	50.0	28.0	63.5	51	50	12.57
414	2"	SFS606STA61B38	61.0	38.2	79.4	67	58	12.57

Designation For Order

Counter-Flanges		Flanges	
(Flat side)		(O-ring side)	
ST52.3	SFS...STCA	ST52.3	SFS...STA
SS316	SFX...STCA	SS316	SFX...STA

RFS Hydraulics

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