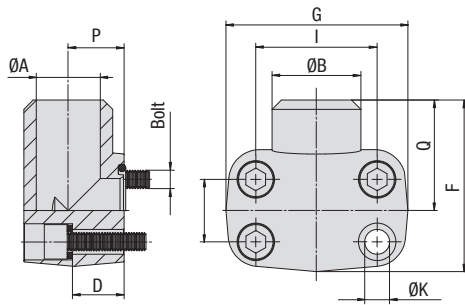


SAE 90° Single-Part Butt-Weld Flange for High Pressure Tubes Type BFX90-STC - 3000 / 6000 PSI Series



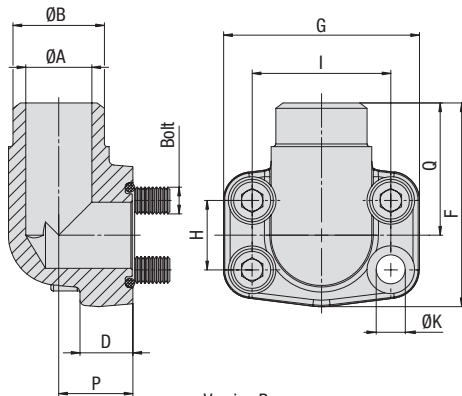
Version A



3000 PSI Standard Pressure Series (based on ISO 6162-1:2012)

Nominal Size	PN ¹ (bar/PSI)	Dimensions (mm/in)											Weight (kg/lbs) ca. per 100	for Bolts	Version	Ordering Codes
DN	(in)	10.9	ØA	ØB	D	F	G	H	I	P	Q	ØK		Metric		
19	3/4	350	19	27	21	63	70	22,3	47,6	23	41	11	73,5	M10x40	A	BFX90-302-STC-27/19-W1 ²
		5075	.75	1.06	.83	2.48	2.76	.88	1.87	.91	1.61	.43	161.70			
25	1	345	23	34,5	24	72	75	26,2	52,4	25	48	11	85,0	M10x45	A	BFX90-303-STC-34.5/23-W1 ³
		5003	.91	1.36	.94	2.83	2.95	1.03	2.06	.98	1.89	.43	187.00			
32	1-1/4	280	31	43	25	82	86	30,2	58,7	27	54	11,5	80,0	M10x45	A	BFX90-304-STC-43/31-W1
		4061	1.22	1.69	.98	3.23	3.39	1.19	2.31	1.06	2.13	.45	176.00			
38	1-1/2	210	35	50	29	92	97	35,7	69,9	31,5	57	14	189,4	M12x50	A	BFX90-305-STC-50/35-W1
		3045	1.38	1.97	1.14	3.62	3.82	1.41	2.75	1.24	2.24	.55	416.68			
51	2	210	48	65	50	99	100	42,9	77,8	37,5	63	14	214,8	M12x70	A	BFX90-306-STC-65/48-W1
		3045	1.89	2.56	1.97	3.90	3.94	1.69	3.06	1.48	2.48	.55	472.56			

Please see Page 89 for separate Bolt Sets and Sealings.



Version B



6000 PSI High Pressure Series (based on ISO 6162-2:2012)

Nominal Size	PN ¹ (bar/PSI)	Dimensions (mm/in)											Weight (kg/lbs) ca. per 100	for Bolts	Version	Ordering Codes
DN	(in)	10.9	ØA	ØB	D	F	G	H	I	P	Q	ØK		Metric		
19	3/4	420	19	28	19	70	71	23,8	50,8	22	40	11	50,1	M10x35	B	BFX90-602-STC-28/19-W1
		6090	.75	1.10	.75	2.76	2.80	.94	2.00	.87	1.57	.43	110.22			
25	1	420	25	34	24	82	81	27,8	57,2	27	47	13	77,2	M12x45	B	BFX90-603-STC-34/25-W1
		6090	.98	1.34	.94	3.23	3.19	1.09	2.25	1.06	1.85	.51	169.84			
32	1-1/4	420	32	42	27	95	95	31,8	66,6	32	56	15	119,6	M14x50	B	BFX90-604-STC-42/32-M14-W1
		6090	1.26	1.65	1.06	3.74	3.74	1.25	2.62	1.26	2.20	.59	263.12			
38	1-1/2	420	38	48	30	115	113	36,5	79,3	40	68	17	193,7	M16x50	B	BFX90-605-STC-48/38-W1
		6090	1.50	1.89	1.18	4.53	4.45	1.44	3.12	1.57	2.68	.67	426.14			

Please see Page 89 for separate Bolt Sets and Sealings.

¹ The maximum working pressure PN (bar/PSI) applies only to the flange itself and depends on the bolts used (Grade 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

² Deviant O-ring size: 25,07 x 2,62 mm / .99 x .10 in

³ Deviant O-ring size: 28,17 x 3,53 mm / 1.11 x .14 in

Materials / Ordering Options / Examples

* SAE Single-Part Flange (without O-ring) made of Steel S355J2 or equivalent, blank (oiled)

BFX90-...-STC-**-**-W1

* Kit including Metric bolts 10.9, spring rings, O-ring made of NBR (Buna-N®)

BFX90-...-STC-**-**-W1-K

* Kit including Metric bolts 10.9, spring rings, O-ring made of FKM (Viton®)

BFX90-...-STC-V-**-**-W1-K

Please always indicate ØB / ØA.