

The STAUFF range of flanges gives you extensive product diversity, whether it is the DIN ISO 6162-1/2:2006 range or SAEJ518 C compliant SAE flanges, as well as the range of gear pump flanges.

The standard pressure series of STAUFF SAE flanges contains components for a flange connection with maximum operating pressures from 35 ... 350 bar / 507 ... 5076 PSI.

They are available in all nominal sizes between DN13 (1/2") and DN127 (5").

STAUFF covers maximum operating pressures of up to 420 bar / 6092 PSI and nominal sizes between DN13 (1/2") and DN51 (2") with this high-pressure series.

STAUFF SAE flanges are available as individual flanges without any accessories, or as complete components with gaskets and suitable sets of bolts. A large number of different components are available at all times.

STAUFF SAE flanges are made of high-quality materials.

The exact steel quality and the surface treatment are adapted individually to the needs and requirements of the flange.

Naturally, all our coated parts have CrVI-free surfaces.

Stainless steel (1.4404/1.4571), alternate gasket materials and higher bolt strengths are also available on request.

The STAUFF range of gear pump flanges is used as a supplement for gear-type rotary pumps, motors, and other smaller size pumps. We offer you a wide range of different variations, divided into various sizes and designs, like, for example, a straight or 90° design with 3-hole or 4-hole fastening. It goes without saying that we manufacture our pump flanges from high-quality materials, and naturally they also have CrVI-free surfaces.

Please do not hesitate to contact STAUFF.

www.stauff.com

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Gear Pump Flanges

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Pressure Information

The pressure information (maximum working pressures) stated in this catalogue only apply to the single components mentioned. It does not apply to the used bolts, fittings, welded or screwed connections. Please take notice of the information and specification of the manufacturers for all further components used and also the legal regulations.

Please note: The pressure information of the components of flange combinations (consisting of the flange itself and a tube end) may vary from each other. Please consider the lowest pressure as the maximum working pressure of this combination.

Temperature Information

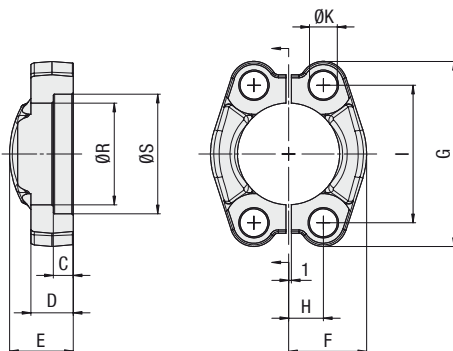
All information apply to a temperature range of

-20 °C ... +90 °C / -4 °F ... +194 °F

Outside of this temperature range, the material-specific properties could be reduced. This applies to the selection of the sealing materials in particular.

SAE Split Flange Halves

DB



Material S355J0 / C45 or equivalent
Surface CrVI-free
Special Material Stainless Steel 1.4404 "-W5" on request

Order Codes

- ★ Pair of SAE Split Flange Halves **DB-...**
- ★ Including Metric bolts 8.8, **DB-...-M-B#K**
 spring rings, O-ring made of NBR (Buna-N®)
 (packed in kits)
- ★ Including Metric bolts 10.9, **DB-...-MH-B#K**
 spring rings, O-ring made of NBR (Buna-N®)
 (packed in kits)
- ★ Including UNC bolts (Gr8), **DB-...-U-B#K**
 spring rings, O-ring made of NBR (Buna-N®)
 (packed in kits)

3000 PSI Standard Pressure Series (according to ISO 6162-1:2006)

PN (bar) ¹		Nominal Size		Order Codes	Dimensions (mm)											for Bolts	
8.8	10.9 (MH)	DN	(in)		ØR	ØS	C	D	E	F	G	H	I	ØK ²		Metr.	UNC
350	350	13	1/2	DB-301	24,3	31	6,2	13	19	22,8	54	8,75	38,1	8,7		M8x25	5/16-18 UNC x 1-1/4
350	350	19	3/4	DB-302	32,2	38,9	6,2	14	22	25,9	65	11,15	47,6	10,5		M10x30	3/8-16 UNC x 1-1/4
250	315	25	1	DB-303	38,5	45,3	7,5	16	24	29,2	70	13,1	52,4	10,5		M10x30	3/8-16 UNC x 1-1/4
200	250	32	1-1/4	DB-304-U	43,7	51,6	7,5	14	22	36,3	79,5	15,1	58,7	12			7/16-14 UNC x 1-1/2
200	250	32	1-1/4	DB-304-M12	43,7	51,6	7,5	14	22	36,3	79,5	15,1	58,7	12,5		M12x35	
200	250	32	1-1/4	DB-304-M	43,7	51,6	7,5	14	22	36,3	79,5	15,1	58,7	10,5		M10x30	
200	200	38	1-1/2	DB-305	50,8	61,1	7,5	16	25	41,1	94	17,85	69,9	13,5		M12x35	1/2-13 UNC x 1-1/2
200	200	38	1-1/2	DB-305-M14	50,8	61,1	7,5	16	25	41,1	94	17,85	69,9	15		M14x35	
160	200	51	2	DB-306	62,8	72,3	9	16	26	48,2	102	21,45	77,8	13,5		M12x35	1/2-13 UNC x 1-1/2
160	200	51	2	DB-306-M14	62,8	72,3	9	16	26	48,2	102	21,45	77,8	15		M14x35	
100	160	64	2-1/2	DB-307	74,9	84,9	9	19	38	54,1	114,5	25,4	88,9	13,5		M12x40	1/2-13 UNC x 1-1/2
100	160	64	2-1/2	DB-307-M14	74,9	84,9	9	19	38	54,1	114,5	25,4	88,9	15		M14x40	
100	160	76	3	DB-308	90,9	102,4	9	22	41	65,3	135	30,95	106,4	17		M16x50	5/8-11 UNC x 2
35	35	89	3-1/2	DB-309	102,4	115,1	10,7	22	28	69,6	152	34,95	120,7	17		M16x50	5/8-11 UNC x 2
35	35	102	4	DB-310	115	127,8	10,7	25	35	75,9	162	38,9	130,2	17		M16x50	5/8-11 UNC x 2
35	35	127	5	DB-311	140,5	153,2	10,7	28	41	90,4	184	46,05	152,4	17		M16x55	5/8-11 UNC x 2-1/4

6000 PSI High Pressure Series (according to ISO 6162-2:2006)

PN (bar) ¹		Nominal Size		Order Codes	Dimensions (mm)											for Bolts	
8.8	10.9 (MH)	DN	(in)		ØR	ØS	C	D	E	F	G	H	I	ØK ²		Metr.	UNC
350	400	13	1/2	DB-601	24,6	32,5	7,2	16	22	23,6	56,5	9,10	40,5	8,7		M8x30	5/16-18 UNC x 1-1/4
350	400	19	3/4	DB-602	32,5	42	8,2	19	28	30	71	11,90	50,8	10,5		M10x35	3/8-16 UNC x 1-1/2
350	400	25	1	DB-603-U	38,8	48,4	9	24	33	34,8	81	13,90	57,2	11,9			7/16-14 UNC x 1-3/4
350	400	25	1	DB-603-M	38,8	48,4	9	24	33	34,8	81	13,90	57,2	13		M12x45	
350	400	32	1-1/4	DB-604	44,5	54,8	9,8	27	38	38,6	95	15,90	66,6	13		M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	DB-604-M14	44,5	54,8	9,8	27	38	38,6	95	15,90	66,6	15		M14x45	
350	400	38	1-1/2	DB-605	51,6	64,3	12	30	43	47,5	113	18,25	79,3	17		M16x55	5/8-11 UNC x 2-1/4
350	400	51	2	DB-606	67,6	80,2	12	37	52	56,9	133	22,25	96,8	21		M20x70	3/4-10 UNC x 2-3/4

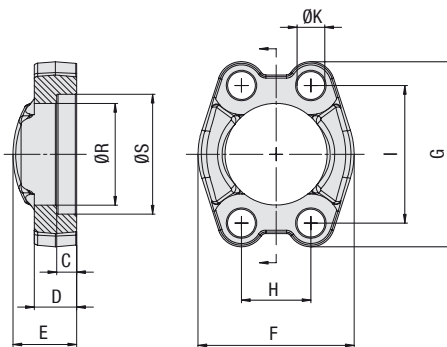
¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

² Dimensions of screw holes in part different to the ISO to match both Metric and UNC screws.

SAE Flange Clamp BM

Order Codes

- ★ SAE Flange Clamp **BM-...**
- ★ Including Metric bolts 8.8, **BM-...-M-B#K**
spring rings, O-ring made of NBR (Buna-N®)
(packed in kits)
- ★ Including Metric bolts 10.9, **BM-...-MH-B#K**
spring rings, O-ring made of NBR (Buna-N®)
(packed in kits)
- ★ Including UNC bolts (Gr8), **BM-...-U-B#K**
spring rings, O-ring made of NBR (Buna-N®)
(packed in kits)



Material S355J0 / C45 or equivalent
Surface CrVI-free
Special Material Stainless Steel 1.4404 "W5" on request

3000 PSI Standard Pressure Series (according to ISO 6162-1:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)											for Bolts	
8.8	10.9 (MH)	DN	(in)		ØR	ØS	C	D	E	F	G	H	I	ØK ²		Metr.	UNC
350	350	13	1/2	BM-301	24,3	31	6,2	13	19	46	54	17,5	38,1	8,7		M8x25	5/16-18 UNC x 1-1/4
350	350	19	3/4	BM-302	32,2	38,9	6,2	14	22	52	65	22,3	47,6	10,5		M10x30	3/8-16 UNC x 1-1/4
250	315	25	1	BM-303	38,5	45,3	7,5	16	24	59	70	26,2	52,4	10,5		M10x30	3/8-16 UNC x 1-1/4
200	250	32	1-1/4	BM-304-U	43,7	51,6	7,5	14	22	73	79,5	30,2	58,7	12			7/16-14 UNC x 1-1/2
200	250	32	1-1/4	BM-304-M12	43,7	51,6	7,5	14	22	73	79,5	30,2	58,7	12,5		M12x35	
200	250	32	1-1/4	BM-304-M	43,7	51,6	7,5	14	22	73	79,5	30,2	58,7	10,5		M10x30	
200	200	38	1-1/2	BM-305	50,8	61,1	7,5	16	25	83	94	35,7	69,9	13,5		M12x35	1/2-13 UNC x 1-1/2
200	200	38	1-1/2	BM-305-M14	50,8	61,1	7,5	16	25	83	94	35,7	69,9	15		M14x35	
160	200	51	2	BM-306	62,8	72,3	9	16	26	97	102	42,9	77,8	13,5		M12x35	1/2-13 UNC x 1-1/2
160	200	51	2	BM-306-M14	62,8	72,3	9	16	26	97	102	42,9	77,8	15		M14x35	
100	160	64	2-1/2	BM-307	74,9	84,9	9	19	38	109	114,5	50,8	88,9	13,5		M12x40	1/2-13 UNC x 1-1/2
100	160	64	2-1/2	BM-307-M14	74,9	84,9	9	19	38	109	114,5	50,8	88,9	15		M14x40	
100	160	76	3	BM-308	90,9	102,4	9	22	41	131	135	61,9	106,4	17		M16x50	5/8-11 UNC x 2
35	35	89	3-1/2	BM-309	102,4	115,1	10,7	22	28	140	152	69,9	120,7	17		M16x50	5/8-11 UNC x 2
35	35	102	4	BM-310	115	127,8	10,7	25	35	152	162	77,8	130,2	17		M16x50	5/8-11 UNC x 2
35	35	127	5	BM-311	140,5	153,2	10,7	28	41	181	184	92,1	152,4	17		M16x55	5/8-11 UNC x 2-1/4

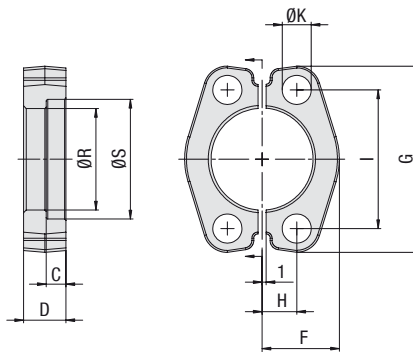
6000 PSI High Pressure Series (according to ISO 6162-2:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)											for Bolts	
8.8	10.9 (MH)	DN	(in)		ØR	ØS	C	D	E	F	G	H	I	ØK ²		Metr.	UNC
350	400	13	1/2	BM-601	24,6	32,5	7,2	16	22	48	56,5	18,2	40,5	8,7		M8x30	5/16-18 UNC x 1-1/4
350	400	19	3/4	BM-602	32,5	42	8,2	19	28	60	71	23,8	50,8	10,5		M10x35	3/8-16 UNC x 1-1/2
350	400	25	1	BM-603-U	38,8	48,4	9	24	33	70	81	27,8	57,2	12			7/16-14 UNC x 1-3/4
350	400	25	1	BM-603-M	38,8	48,4	9	24	33	70	81	27,8	57,2	13		M12x45	
350	400	32	1-1/4	BM-604	44,5	54,8	9,8	27	38	78	95	31,8	66,6	13,5		M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BM-604-M14	44,5	54,8	9,8	27	38	78	95	31,8	66,6	15		M14x45	
350	400	38	1-1/2	BM-605	51,6	64,3	12	30	43	95	113	36,5	79,3	17		M16x55	5/8-11 UNC x 2-1/4
350	400	51	2	BM-606	67,6	80,2	12	37	52	114	133	44,5	96,8	21		M20x70	3/4-10 UNC x 2-3/4

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

² Dimensions of screw holes in part different to the ISO to match both Metric and UNC screws.

SAE Split Flange Halves (Flat Style) DB-FL



Order Codes

- ★ Pair of SAE Split Flange Halves (Flat Style) **DB-FL-...**
- ★ Including Metric bolts 8.8, **DB-FL-...-M-B#K**
spring rings, O-ring made of NBR (Buna-N®)
(packed in kits)
- ★ Including Metric bolts 10.9, **DB-FL-...-MH-B#K**
spring rings, O-ring made of NBR (Buna-N®)
(packed in kits)
- ★ Including UNC bolts (Gr8), **DB-FL-...-U-B#K**
spring rings, O-ring made of NBR (Buna-N®)
(packed in kits)

Material C60 / C55 or equivalent
Surface CrVI-free

3000 PSI Standard Pressure Series (according to ISO 6162-1:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	
8.8	10.9 (MH)	DN	(in)		ØR	ØS	C	D	F	G	H	I	ØK ²		Metr.	UNC
350	350	13	1/2	DB-FL-301	24,3	31	6,2	13	22,8	54	8,75	38,1	8,7		M8x25	5/16-18 UNC x 1-1/4
350	350	19	3/4	DB-FL-302	32,2	38,9	6,2	14	25,9	65	11,15	47,6	10,5		M10x30	3/8-16 UNC x 1-1/4
250	315	25	1	DB-FL-303	38,5	45,3	7,5	16	29,2	70	13,1	52,4	10,5		M10x30	3/8-16 UNC x 1-1/4
200	250	32	1-1/4	DB-FL-304-M	43,7	51,6	7,5	14	36,6	79	15,1	58,7	10,5		M10x30	
200	200	38	1-1/2	DB-FL-305	50,8	61,6	7,5	16	41,1	94	17,85	69,9	13,5		M12x35	1/2-13 UNC x 1-1/2
160	200	51	2	DB-FL-306	62,8	72,3	9	16	48,2	102	21,45	77,8	13,5		M12x35	1/2-13 UNC x 1-1/2
100	160	64	2-1/2	DB-FL-307	74,9	84,9	9	19	53	115	25,4	88,9	13,5		M12x40	1/2-13 UNC x 1-1/2
100	160	76	3	DB-FL-308	90,9	102,4	9	22	64,3	135	30,95	106,4	17		M16x50	5/8-11 UNC x 2

6000 PSI High Pressure Series (according to ISO 6162-2:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	
8.8	10.9 (MH)	DN	(in)		ØR	ØS	C	D	F	G	H	I	ØK ²		Metr.	UNC
350	400	13	1/2	DB-FL-601	24,6	32,5	7,2	16	23,6	56	9,1	40,5	8,7		M8x30	5/16-18 UNC x 1-1/4
350	400	19	3/4	DB-FL-602	32,5	42	8,2	20	30	71	11,9	50,8	10,5		M10x35	3/8-16 UNC x 1-1/2
350	400	25	1	DB-FL-603-M	38,8	48,4	9	25	34,8	81	13,9	57,2	13		M12x45	
350	400	32	1-1/4	DB-FL-604-M14	44,5	54,8	9,8	27	38,6	95	15,9	66,6	15		M14x45	
350	400	38	1-1/2	DB-FL-605	51,6	64,3	12	30	47,5	113	18,25	79,3	17		M16x55	5/8-11 UNC x 2-1/4
350	400	51	2	DB-FL-606	67,6	80,2	12	37	56,9	133	22,25	96,8	21		M20x70	3/4-10 UNC x 2-3/4
350	400	64	2-1/2	DB-FL-607	89,5	108,5	20	48	75	166	29,35	123,8	25		M24x75	
350	400	76	3	DB-FL-608	114,5	132,5	25	58	89	210	35,7	152,4	32		M30x90	

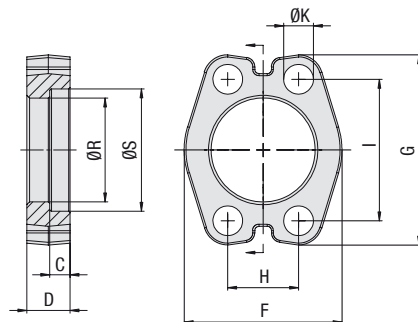
¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

² Dimensions of screw holes in part different to the ISO to match both Metric and UNC screws.

SAE Flange Clamp (Flat Style) BM-FL

Order Codes

- ★ SAE Flange Clamp (Flat Style) **BM-FL-...**
- ★ Including Metric bolts 8.8, **BM-FL-...-M-B#K**
spring rings, O-ring made of NBR (Buna-N®)
(packed in kits)
- ★ Including UNC bolts (Gr8), **BM-FL-...-U-B#K**
spring rings, O-ring made of NBR (Buna-N®)
(packed in kits)



Material C60 / C55 or equivalent
Surface CrVI-free

3000 PSI Standard Pressure Series (according to ISO 6162-1:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	
8.8	10.9 (MH)	DN	(in)		ØR	ØS	C	D	F	G	H	I	ØK ²		Metr.	UNC
350	350	13	1/2	BM-FL-301	24,3	31	6,2	13	45,6	54	17,5	38,1	8,7		M8x25	5/16-18 UNC x 1-1/4
350	350	19	3/4	BM-FL-302	32,2	38,9	6,2	14	51,8	65	22,3	47,6	10,5		M10x30	3/8-16 UNC x 1-1/4
250	315	25	1	BM-FL-303	38,5	45,3	7,5	16	58,4	70	26,2	52,4	10,5		M10x30	3/8-16 UNC x 1-1/4
200	250	32	1-1/4	BM-FL-304-M	43,7	51,6	7,5	14	73,2	79	30,2	58,7	10,5		M10x30	
200	200	38	1-1/2	BM-FL-305	50,8	61,1	7,5	16	82,2	94	35,7	69,9	13,5		M12x35	1/2-13 UNC x 1-1/2
160	200	51	2	BM-FL-306	62,8	72,3	9	16	96,4	102	42,9	77,8	13,5		M12x35	1/2-13 UNC x 1-1/2
100	160	64	2-1/2	BM-FL-307	74,9	84,9	9	19	106,0	115	50,8	88,9	13,5		M12x40	1/2-13 UNC x 1-1/2
100	160	76	3	BM-FL-308	90,9	102,4	9	22	128,6	135	61,9	106,4	17		M16x50	5/8-11 UNC x 2

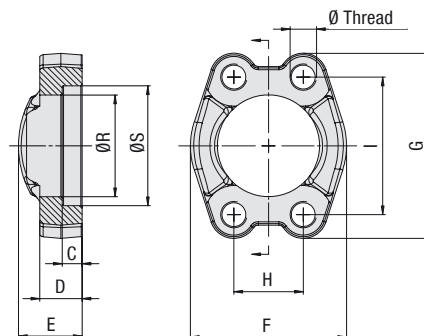
6000 PSI High Pressure Series (according to ISO 6162-2:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	
8.8	10.9 (MH)	DN	(in)		ØR	ØS	C	D	F	G	H	I	ØK ²		Metr.	UNC
350	400	13	1/2	BM-FL-601	24,6	32,5	7,2	16	47,2	56	18,2	40,5	8,7		M8x30	5/16-18 UNC x 1-1/4
350	400	19	3/4	BM-FL-602	32,5	42	8	20	60	71	23,8	50,8	10,5		M10x35	3/8-16 UNC x 1-1/2
350	400	25	1	BM-FL-603-M	38,8	48,4	9	25	69,6	81	27,8	57,2	13		M12x45	
350	400	32	1-1/4	BM-FL-604-M14	44,5	54,8	9,8	27	77,2	95	31,8	66,6	15		M14x45	
350	400	38	1-1/2	BM-FL-605	51,6	64,3	12	30	89,4	113	36,5	79,3	17		M16x55	5/8-11 UNC x 2-1/4
350	400	51	2	BM-FL-606	67,6	80,2	12	37	113,4	133	44,5	96,8	21		M20x70	3/4-10 UNC x 2-3/4
350	400	64	2-1/2	BM-FL-607	89,5	108,5	20	48	150	166	58,7	123,8	25		M24x75	
350	400	76	3	BM-FL-608	114,5	132,5	25	58	178	210	71,4	152,4	32		M30x90	

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

² Dimensions of screw holes in part different to the ISO to match both Metric and UNC screws.

SAE Flange Clamp with Metric Tapped Holes BM-G



Material S355J0 / C45 or equivalent
Surface CrVI-free
Special Material Stainless Steel 1.4404 "W5" on request

Order Codes

★ SAE Flange Clamp with Metric tapped holes **BM-G-...**
 ★ Deviant Metric tapped holes (M14) **BM-G-...M14**

3000 PSI Standard Pressure Series (according to ISO 6162-1:2006)

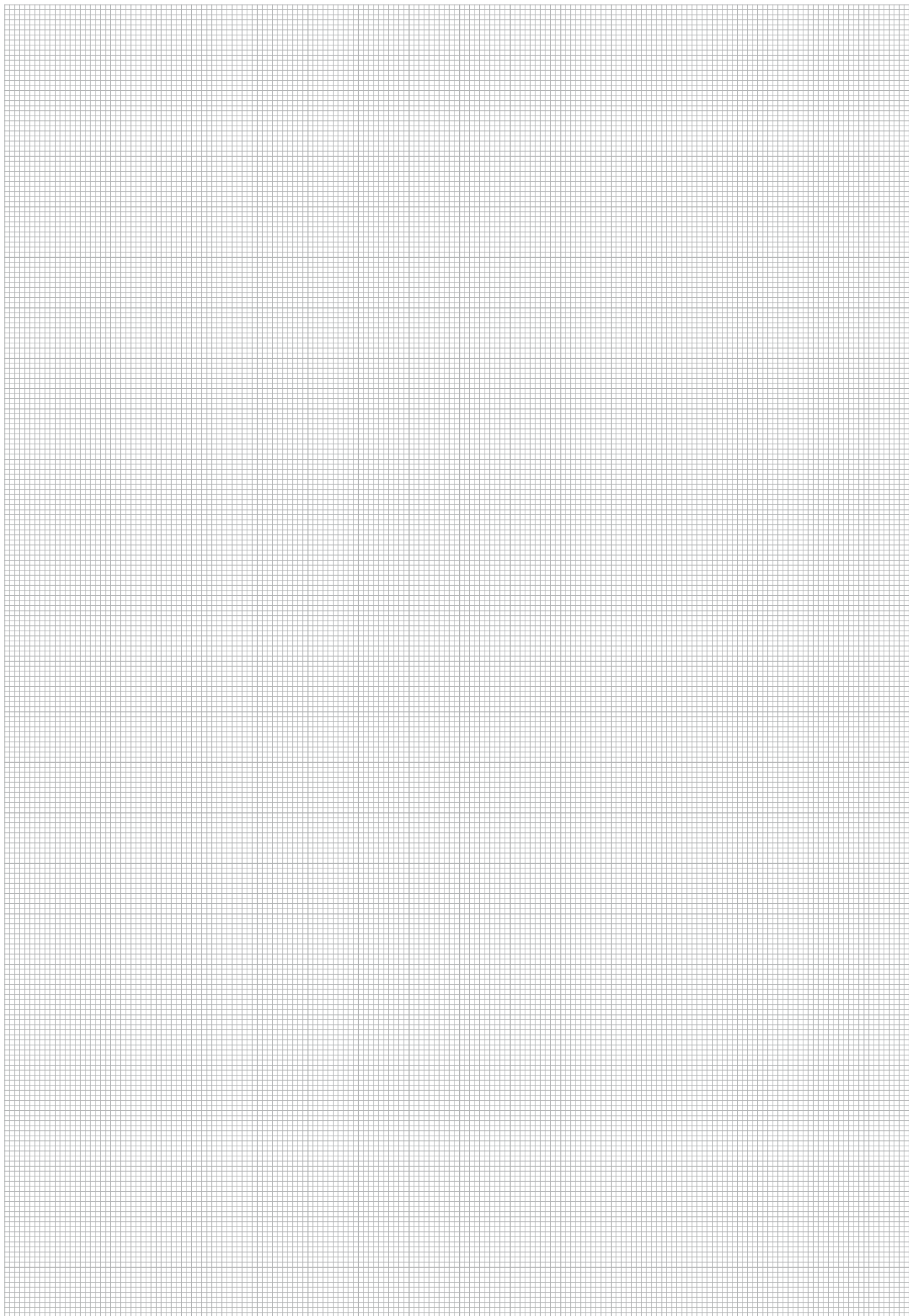
PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)									Ø Thread ²
8.8	10.9 (MH)	DN	(in)		ØR	ØS	C	D	E	F	G	H	I	
350	350	13	1/2	BM-G-301	24,3	31	6,2	13	19	46	54	17,5	38,1	M8
350	350	19	3/4	BM-G-302	32,2	38,9	6,2	14	22	52	65	22,3	47,6	M10
250	315	25	1	BM-G-303	38,5	45,3	7,5	16	24	59	70	26,2	52,4	M10
200	250	32	1-1/4	BM-G-304	43,7	51,6	7,5	14	22	73	79,5	30,2	58,7	M10 (M12)
200	200	38	1-1/2	BM-G-305	50,8	61,1	7,5	16	25	83	94	35,7	69,9	M12 (M14)
160	200	51	2	BM-G-306	62,8	72,3	9	16	26	97	102	42,9	77,8	M12 (M14)
100	160	64	2-1/2	BM-G-307	74,9	84,9	9	19	38	109	114,5	50,8	88,9	M12 (M14)
100	160	76	3	BM-G-308	90,9	102,4	9	22	41	131	135	61,9	106,4	M16
35	35	89	3-1/2	BM-G-309	102,4	115,1	10,7	22	28	140	152	69,9	120,7	M16
35	35	102	4	BM-G-310	115	127,8	10,7	25	35	152	162	77,8	130,2	M16
35	35	127	5	BM-G-311	140,5	153,2	10,7	28	41	181	184	92,1	152,4	M16

6000 PSI High Pressure Series (according to ISO 6162-2:2006)

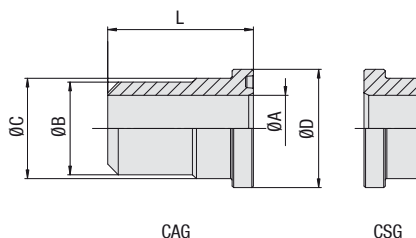
PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)									Ø Thread
8.8	10.9 (MH)	DN	(in)		ØR	ØS	C	D	E	F	G	H	I	
350	400	13	1/2	BM-G-601	24,6	32,5	7,2	16	22	48	56,5	18,2	40,5	M8
350	400	19	3/4	BM-G-602	32,5	42	8,2	19	28	60	71	23,8	50,8	M10
350	400	25	1	BM-G-603	38,8	48,4	9	24	33	70	81	27,8	57,2	M12
350	400	32	1-1/4	BM-G-604	44,5	54,8	9,8	27	38	78	95	31,8	66,6	M12
350	400	32	1-1/4	BM-G-604-M14	44,5	54,8	9,8	27	38	78	95	31,8	66,6	M14
350	400	38	1-1/2	BM-G-605	51,6	64,3	12	30	43	95	113	36,5	79,3	M16
350	400	51	2	BM-G-606	67,6	80,2	12	37	52	114	133	44,5	96,8	M20

¹ The maximum working pressure applies PN (bar) only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

² Alternative options shown in brackets are available on request.



SAE Butt Weld Flange Adapter / SAE Butt Weld Counterflange Adapter CAG/CSG-ST



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4571 "W5" on request

Order Codes

- * SAE Butt Weld Flange Adapter **CAG-...-ST-**-****
(without O-ring)
- * SAE Butt Weld Counterflange Adapter **CSG-...-ST-**-****
- * Including Metric bolts 8.8, **CAG-...-ST-**-**/K**
spring rings, O-ring made of NBR (Buna-N®) and DB
(packed in kits)
- * Including Metric bolts 10.9, **CAG-...-ST-**-**/MH#K**
spring rings, O-ring made of NBR (Buna-N®) and DB
(packed in kits)
- * Including Metric bolts 8.8, **CAG-...-ST-**-**/BM#K**
spring rings, O-ring made of NBR (Buna-N®) and BM
(packed in kits)
- **/** Please indicate pipe-OD and pipe-ID**

3000 PSI Standard Pressure Series (according to ISO 6162-1:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)		
8.8	10.9 (MH)	DN	(in)		ØC	ØD	L
350	350	13	1/2	CAG-301-ST- **/ **	24	30,2	41
**/ ** replace with ØB / ØA: 16/12 • 20/15 • 21,3/15,7 • 21,3/13,7 • 21,3/12							
350	350	19	3/4	CAG-302-ST- **/ **	31,5	38,1	50
**/ ** replace with ØB / ØA: 25/19 • 26,9/19,7 • 28/19							
250	315	25	1	CAG-303-ST- **/ **	38	44,45	50
**/ ** replace with ØB / ØA: 25/19 • 28/22 • 30/24 • 30/22 • 33,7/24,7 • 38/30 • 38/28							
200	250	32	1-1/4	CAG-304-ST- **/ **	43	50,8	55
**/ ** replace with ØB / ØA: 25/19 • 30/24 • 38/32 • 38/30 • 38/28 • 42,4/33,4 • 42,4/29,8 • 43/31							
200	200	38	1-1/2	CAG-305-ST- **/ **	50	60,35	57
**/ ** replace with ØB / ØA: 38/30 • 42/36 • 42/35 • 42/32 • 45/43 • 48,3/41 • 48,3/38,3 • 48,3/35,7 • 48,3/35 • 50/38							
160	200	51	2	CAG-306-ST- **/ **	62	71,4	57
**/ ** replace with ØB / ØA: 48,3/38,4 • 55/45 • 60,3/54,5 • 60,3/52 • 60,3/50,3 • 60,3/47,7 • 60,3/44,3							
100	160	64	2-1/2	CAG-307-ST- **/ **	74	84,1	58
**/ ** replace with ØB / ØA: 65/53 • 70/55 • 74/65 • 74/61,8 • 74/58							
100	160	76	3	CAG-308-ST- **/ **	90	101,6	60
**/ ** replace with ØB / ØA: 80/68 • 89/82,5 • 89/81 • 89/76 • 89/74 • 89/70							
35	35	89	3-1/2	CAG-309-ST- **/ **	102	114,3	80
**/ ** replace with ØB / ØA: 100/88 • 89/81,7 • 89/73							
35	35	102	4	CAG-310-ST- **/ **	114	127	80
**/ ** replace with ØB / ØA: 110/98 • 114/107 • 114/102 • 114/96,7							
35	35	127	5	CAG-311-ST- **/ **	140	152,4	80
**/ ** replace with ØB / ØA: 133/120 • 139,7/131,7 • 139,7/119,7							

6000 PSI High Pressure Series (according to ISO 6162-2:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)		
8.8	10.9 (MH)	DN	(in)		ØC	ØD	L
350	400	13	1/2	CAG-601-ST- **/ **	24	31,8	34
**/ ** replace with ØB / ØA: 16/12 • 20/15 • 21,3/12,3							
350	400	19	3/4	CAG-602-ST- **/ **	32	41,3	38
**/ ** replace with ØB / ØA: 16/12 • 20/14 • 25/19 • 25/18 • 25/17 • 26,9/15,7 • 28/18							
350	400	25	1	CAG-603-ST- **/ **	38	47,6	40
**/ ** replace with ØB / ØA: 25/19 • 30/24 • 30/22 • 33,7/21 • 33,7/19,5 • 38/30 • 38/28							
350	400	32	1-1/4	CAG-604-ST- **/ **²	44	54	45
**/ ** replace with ØB / ØA: 25/19 • 30/24 • 38/30 • 38/28 • 38/27 • 42,4/29,8							
350	400	38	1-1/2	CAG-605-ST- **/ **	51	63,5	50
**/ ** replace with ØB / ØA: 38/28 • 45/32 • 48,3/38,3 • 48,3/35,7 • 48,3/34 • 48,3/32,3 • 48,3/30,7 • 50/38 • 51/35							
350	400	51	2	CAG-606-ST- **/ **	67	79,4	58
**/ ** replace with ØB / ØA: 48,3/35,7 • 60,3/47,7 • 60,3/44,3 • 60,3/42,8 • 60,3/40,3 • 60,3/33,5 • 65/39							
350	400	64	2-1/2	CAG-607-ST- **/ **	89	108	75
**/ ** replace with ØB / ØA: 76,1/60 • 76,1/56 • 89/69 • 89/67 • 89/60,5							
350	400	76	3	CAG-608-ST- **/ **	114	131,6	80
**/ ** replace with ØB / ØA: 89/69 • 89/66,7 • 89/60,5 • 114/92,3 • 114/79,3							

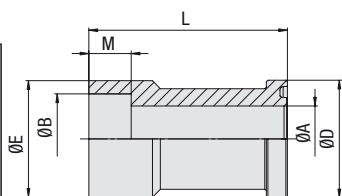
¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

² According to ISO 6162-2 bolts M12 should be used but because usually bolts M14 are used the description of the complete part must show M14 (e.g. CAG-604-ST-**-**/M14#K).

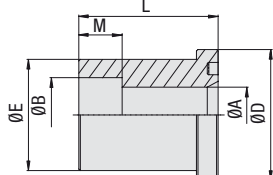
SAE Socket Weld Flange Adapter / SAE Socket Weld Counterflange Adapter CAG/CSG-ES

Order Codes

- ★ SAE Socket Weld Flange Adapter (without O-ring) **CAG-...-ES-...**
- ★ SAE Socket Weld Counterflange Adapter **CSG-...-ES-...**
- ★ Including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) and DB (packed in kits) **CAG-...-ES-...#K**
- ★ Including Metric bolts 10.9, spring rings, O-ring made of NBR (Buna-N®) and DB (packed in kits) **CAG-...-ES-...-MH#K**
- ★ Including UNC bolts (Gr8), spring rings, O-ring made of FPM (Viton®) and DB (packed in kits) **CAG-...-ES-...-V-U#K**



Version A (CAG / CSG)



Version B (CAG / CSG)



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4571 "W5" on request

3000 PSI Standard Pressure Series (according to ISO 6162-1:2006)

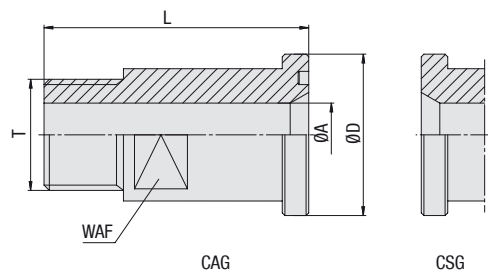
PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)						
8.8	10.9 (MH)	DN	(in)		ØA	ØB	ØD	ØE	M	L	Version
350	350	13	1/2	CAG-301-ES-16,5/12	12	16,5	30,2	24	12	35	B
350	350	13	1/2	CAG-301-ES-17,6/12	12	17,6	30,2	24	12	35	B
350	350	13	1/2	CAG-301-ES-20,5/15	15	20,5	30,2	30	13	60	A
350	350	13	1/2	CAG-301-ES-21,7/15	15	21,7	30,2	30	13	60	A
350	350	19	3/4	CAG-302-ES-20,5/13	13	20,5	38,1	31,5	12	40	B
350	350	19	3/4	CAG-302-ES-21,7/13	13	21,7	38,1	31,5	13	40	B
350	350	19	3/4	CAG-302-ES-25,5/19	19	25,5	38,1	35	13	68	A
350	350	19	3/4	CAG-302-ES-27,3/19	19	27,3	38,1	35	13	68	A
250	315	25	1	CAG-303-ES-27,3/19	19	27,3	44,45	38	14	45	B
250	315	25	1	CAG-303-ES-30,5/23	23	30,5	44,45	44	16	75	A
250	315	25	1	CAG-303-ES-34/25	25	34	44,45	44	16	75	A
200	250	32	1-1/4	CAG-304-ES-30,5/25	25	30,5	50,8	43	16	50	B
200	250	32	1-1/4	CAG-304-ES-34/25	25	34	50,8	43	16	50	B
200	250	32	1-1/4	CAG-304-ES-38,5/32	32	38,5	50,8	55	18	95	A
200	250	32	1-1/4	CAG-304-ES-43/32	32	43	50,8	55	18	95	A
200	200	38	1-1/2	CAG-305-ES-38,5/32	32	38,5	60,3	50	18	55	B
200	200	38	1-1/2	CAG-305-ES-43/32	32	43	60,3	50	18	55	B
200	200	38	1-1/2	CAG-305-ES-49/38	38	49	60,3	63	20	100	A
200	200	38	1-1/2	CAG-305-ES-50,4/38	38	50,4	60,3	63	20	100	A
160	200	51	2	CAG-306-ES-49/38	38	49	71,4	61,8	20	65	B
160	200	51	2	CAG-306-ES-50,7/38	38	50,7	71,4	61,8	20	65	B
160	200	51	2	CAG-306-ES-61/50	50	61	71,4	79	22	107	A
100	160	64	2-1/2	CAG-307-ES-61/47	47	61	84,1	73,8	22	75	B
100	160	64	2-1/2	CAG-307-ES-77/58	58	77	84,1	98	24	130	A
100	160	76	3	CAG-308-ES-77/58	58	77	101,6	90	24	85	B
100	160	76	3	CAG-308-ES-90,5/70	70	90,5	101,6	116	28	150	A

6000 PSI High Pressure Series (according to ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)						
8.8	10.9 (MH)	DN	(in)		ØA	ØB	ØD	ØE	M	L	Version
350	400	13	1/2	CAG-601-ES-16,5/11	11	16,5	31,8	24	13	35	B
350	400	13	1/2	CAG-601-ES-17,6/11	11	17,6	31,8	24	13	35	B
350	400	13	1/2	CAG-601-ES-20,5/15	15	20,5	31,8	32	13	60	A
350	400	13	1/2	CAG-601-ES-21,7/15	15	21,7	31,8	32	13	60	A
350	400	19	3/4	CAG-602-ES-20,5/13	13	20,5	41,3	31,8	13	40	B
350	400	19	3/4	CAG-602-ES-21,7/13	13	21,7	41,3	31,8	13	40	B
350	400	19	3/4	CAG-602-ES-25,7/19	19	25,7	41,3	40	13	68	A
350	400	19	3/4	CAG-602-ES-27,3/19	19	27,3	41,3	40	13	68	A
350	400	25	1	CAG-603-ES-27,3/17,5	17,5	27,3	47,6	38	13	45	B
350	400	25	1	CAG-603-ES-34/25	25	34	47,6	48	16	75	A
350	400	32	1-1/4	CAG-604-ES-34/22	22	34	54	44	16	50	B

¹ The maximum working pressure applies PN (bar) only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

SAE Flange Adapter with BSPT Thread / SAE Counterflange Adapter CAG/CSG-BSPT



Material S355J0 or equivalent
Surface CrVI-free
Special Material Stainless Steel 1.4571 "W5" on request

Order Codes

- ★ SAE Flange Adapter with BSPT Thread **CAG-...-BSPT**
(without O-ring)
- ★ SAE Counterflange Adapter **CSG-...-BSPT**
- ★ Deviant BSPT Thread **CAG-...-BSPT*****
- ★ Including Metric bolts 8.8, **CAG-...-BSPT#K**
spring rings, O-ring made of NBR (Buna-N®) and DB
(packed in kits)
- ★ Including Metric bolts 10.9, **CAG-...-BSPT-MH#K**
spring rings, O-ring made of NBR (Buna-N®) and DB
(packed in kits)
- ★ Including UNC bolts (Gr8), **CAG-...-BSPT-V-U#K**
spring rings, O-ring made of FPM (Viton®) and DB
(packed in kits)

3000 PSI Standard Pressure Series (according to ISO 6162-1:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)				
8.8	10.9 (MH)	DN	(in)		ØA	ØD	L	WAF	T (BSPT)
300	300	13	1/2	CAG-301-BSPT	12	30,2	50	19	1/2
300	300	13	1/2	CAG-301-BSPT038	10	30,2	50	19	3/8
300	300	19	3/4	CAG-302-BSPT	17	38,1	55	27	3/4
300	300	19	3/4	CAG-302-BSPT012	12	38,1	55	27	1/2
300	300	25	1	CAG-303-BSPT	22	44,45	60	32	1
300	300	25	1	CAG-303-BSPT034	17	44,45	60	32	3/4
150	150	32	1-1/4	CAG-304-BSPT	27	50,8	65	41	1-1/4
150	150	32	1-1/4	CAG-304-BSPT100	22	50,8	65	41	1
150	150	38	1-1/2	CAG-305-BSPT	32	60,3	70	46	1-1/2
150	150	38	1-1/2	CAG-305-BSPT114	27	60,3	70	46	1-1/4
150	150	51	2	CAG-306-BSPT	40	71,4	75	55	2
150	150	51	2	CAG-306-BSPT112	30	71,4	75	55	1-1/2

6000 PSI High Pressure Series (according to ISO 6162-2:2006)

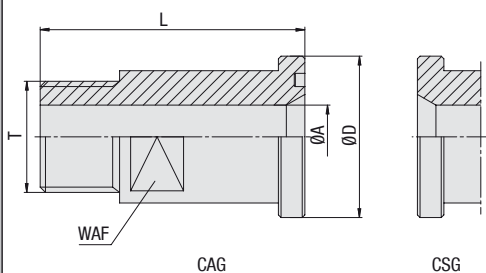
PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)				
8.8	10.9 (MH)	DN	(in)		ØA	ØD	L	WAF	T (BSPT)
350	350	13	1/2	CAG-601-BSPT	12	31,8	50	19	1/2
350	350	13	1/2	CAG-601-BSPT038	10	31,8	50	19	3/8
350	350	19	3/4	CAG-602-BSPT	17	41,3	60	26	3/4
350	350	19	3/4	CAG-602-BSPT012	12	41,3	60	26	1/2
350	350	25	1	CAG-603-BSPT	22	47,6	70	32	1
350	350	25	1	CAG-603-BSPT034	17	47,6	70	32	3/4
250	250	32	1-1/4	CAG-604-BSPT	27	54	75	36	1-1/4
250	250	32	1-1/4	CAG-604-BSPT100	22	54	75	36	1
250	250	38	1-1/2	CAG-605-BSPT	30	63,5	80	41	1-1/2
250	250	38	1-1/2	CAG-605-BSPT114	27	63,5	80	41	1-1/4
200	200	51	2	CAG-606-BSPT	40	79,4	90	55	2
200	200	51	2	CAG-606-BSPT112	30	79,4	90	55	1-1/2

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

SAE Flange Adapter with NPT Thread / SAE Counterflange Adapter CAG/CSG-NPT

Order Codes

- ★ SAE Flange Adapter with NPT Thread (without O-ring) **CAG-...-NPT**
- ★ SAE Counterflange Adapter **CSG-...-NPT**
- ★ Deviant NPT Thread **CAG-...-NPT*****
- ★ Including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) and DB (packed in kits) **CAG-...-NPT#K**
- ★ Including Metric bolts 10.9, spring rings, O-ring made of NBR (Buna-N®) and DB (packed in kits) **CAG-...-NPT-MH#K**
- ★ Including UNC bolts (Gr8), spring rings, O-ring made of FPM (Viton®) and DB (packed in kits) **CAG-...-NPT-V-U#K**



Material S355J0 or equivalent
Surface CrVI-free
Special Material Stainless Steel 1.4571 "W5" on request

3000 PSI Standard Pressure Series (according to ISO 6162-1:2006)

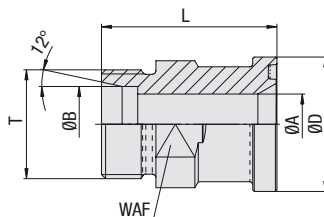
PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)				
8.8	10.9 (MH)	DN	(in)		ØA	ØD	L	WAF	T (NPT)
300	300	13	1/2	CAG-301-NPT	12	30,2	50	19	1/2
300	300	13	1/2	CAG-301-NPT038	10	30,2	50	19	3/8
300	300	19	3/4	CAG-302-NPT	17	38,1	55	27	3/4
300	300	19	3/4	CAG-302-NPT012	12	38,1	55	27	1/2
300	300	25	1	CAG-303-NPT	22	44,45	60	32	1
300	300	25	1	CAG-303-NPT034	17	44,45	60	32	3/4
150	150	32	1-1/4	CAG-304-NPT	27	50,8	65	41	1-1/4
150	150	32	1-1/4	CAG-304-NPT100	22	50,8	65	41	1
150	150	38	1-1/2	CAG-305-NPT	32	60,3	70	46	1-1/2
150	150	38	1-1/2	CAG-305-NPT114	27	60,3	70	46	1-1/4
150	150	51	2	CAG-306-NPT	40	71,4	75	55	2
150	150	51	2	CAG-306-NPT112	30	71,4	75	55	1-1/2

6000 PSI High Pressure Series (according to ISO 6162-2:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)				
8.8	10.9 (MH)	DN	(in)		ØA	ØD	L	WAF	T (NPT)
350	350	13	1/2	CAG-601-NPT	12	31,8	50	19	1/2
350	350	13	1/2	CAG-601-NPT038	10	31,8	50	19	3/8
350	350	19	3/4	CAG-602-NPT	17	41,3	60	26	3/4
350	350	19	3/4	CAG-602-NPT012	12	41,3	60	26	1/2
350	350	25	1	CAG-603-NPT	22	47,6	70	32	1
350	350	25	1	CAG-603-NPT034	17	47,6	70	32	3/4
250	250	32	1-1/4	CAG-604-NPT	27	54	75	36	1-1/4
250	250	32	1-1/4	CAG-604-NPT100	22	54	75	36	1
250	250	38	1-1/2	CAG-605-NPT	30	63,5	80	41	1-1/2
250	250	38	1-1/2	CAG-605-NPT114	27	63,5	80	41	1-1/4
200	200	51	2	CAG-606-NPT	40	79,4	90	55	2
200	200	51	2	CAG-606-NPT112	30	79,4	90	55	1-1/2

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

SAE Flange Adapter with 24° Cone Connector (acc. to ISO 8434-1 / DIN 2353) CAG-L/S



Material S355J0 or equivalent
Surface CrVI-free
Special Material Stainless Steel 1.4571 "-W5" on request

Order Codes

- ★ SAE Flange Adapter with 24° Cone Connector **CAG-...**
(acc. to ISO 8434-1 / DIN 2353)
- ★ Including Metric bolts 8.8, **CAG-...#K**
spring rings, O-ring made of NBR (Buna-N®) and DB
(packed in kits)
- ★ Including Metric bolts 10.9, **CAG-...-MH#K**
spring rings, O-ring made of NBR (Buna-N®) and DB
(packed in kits)
- ★ Including UNC bolts (Gr8), **CAG-...-V-U#K**
spring rings, O-ring made of FPM (Viton®) and DB
(packed in kits)

3000 PSI Standard Pressure Series (according to ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)					
8.8	10.9 (MH)	DN	(in)		ØA	ØB	ØD	L	WAF	T (Metric)
315	315	13	1/2	CAG-301-L15	12	15 L	30,2	48	24	22x1,5
350	350	13	1/2	CAG-301-S16	12	16 S	30,2	50	24	24x1,5
315	315	19	3/4	CAG-302-L18	15	18 L	38,1	53	30	26x1,5
350	350	19	3/4	CAG-302-S20	16	20 S	38,1	57	30	30x2
160	160	19	3/4	CAG-302-L22	19	22 L	38,1	53	30	30x2
350	350	19	3/4	CAG-302-S25	17	25 S	38,1	57	30	36x2
160	160	19	3/4	CAG-302-L28	19	28 L	38,1	53	30	36x2
250	315	25	1	CAG-303-S25	20	25 S	44,45	58	36	36x2
160	160	25	1	CAG-303-L28	24	28 L	44,45	54	36	36x2
250	315	25	1	CAG-303-S30	24	30 S	44,45	63	36	42x2
200	250	32	1-1/4	CAG-304-S25	20	25 S	50,8	60	41	36x2
160	160	32	1-1/4	CAG-304-L28	22	28 L	50,8	59	41	36x2
200	250	32	1-1/4	CAG-304-S30	25	30 S	50,8	62	41	42x2
160	160	32	1-1/4	CAG-304-L35	30	35 L	50,8	58	41	45x2
200	250	32	1-1/4	CAG-304-S38	28	38 S	50,8	67	46	52x2
200	200	38	1-1/2	CAG-305-S38	32	38 S	60,35	70	46	52x2
160	160	38	1-1/2	CAG-305-L42	36	42 L	60,35	64	46	52x2

6000 PSI High Pressure Series (according to ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)					
8.8	10.9 (MH)	DN	(in)		ØA	ØB	ØD	L	WAF	T (Metric)
350	400	13	1/2	CAG-601-S16	12	16 S	31,8	53	24	24x1,5
350	400	19	3/4	CAG-602-S16	12	16 S	41,3	59	30	24x1,5
350	400	19	3/4	CAG-602-S20	16	20 S	41,3	61	30	30x2
350	400	19	3/4	CAG-602-S25	17	25 S	41,3	63	30	36x2
350	400	19	3/4	CAG-602-S30	18	30 S	41,3	64	36	42x2
350	400	25	1	CAG-603-S25	20	25 S	47,6	72	36	36x2
350	400	25	1	CAG-603-S30	24	30 S	47,6	74	36	42x2
350	400	32	1-1/4	CAG-604-S30 ²	25	30 S	54	79	41	42x2
350	350	32	1-1/4	CAG-604-S38 ²	30	38 S	54	83	46	52x2
350	350	38	1-1/2	CAG-605-S38	30	38 S	63,5	89	46	52x2

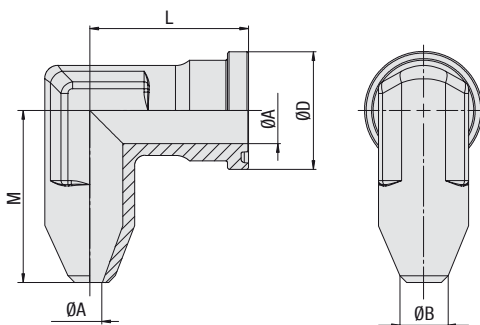
¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

² According to ISO 6162-2 bolts M12 should be used but because usually bolts M14 are used the description of the complete part must show M14 (e.g. CAG-604-S30-M14#K).

SAE 90° Butt Weld Flange Adapter CAG90-ST

Order Codes

- ★ SAE 90° Butt Weld Flange Adapter **CAG90-...-ST-...**
(without O-ring)
- ★ Including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) and DB
(packed in kits) **CAG90-...-ST-...#K**
- ★ Including Metric bolts 10.9, spring rings, O-ring made of NBR (Buna-N®) and DB
(packed in kits) **CAG90-...-ST-...-MH#K**
- ★ Including UNC bolts (Gr8), spring rings, O-ring made of FPM (Viton®) and DB
(packed in kits) **CAG90-...-ST-...-V-U#K**



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "W5" on request

3000 PSI Standard Pressure Series (according to ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)				
8.8	10.9 (MH)	DN	(in)		ØA	ØB	ØD	L	M
350	350	13	1/2	CAG90-301-ST-15/11	11	15	30,2	39	38
350	350	13	1/2	CAG90-301-ST-16/12	12	16	30,2	39	38
350	350	13	1/2	CAG90-301-ST-21,3/14	14	21,3	30,2	39	38
350	350	19	3/4	CAG90-302-ST-18/15	15	18	38,1	42	45
350	350	19	3/4	CAG90-302-ST-20/14	14	20	38,1	42	45
350	350	19	3/4	CAG90-302-ST-22/16	16	22	38,1	42	45
350	350	19	3/4	CAG90-302-ST-26,9/19	19	26,9	38,1	42	45
250	315	25	1	CAG90-303-ST-25/19	19	25	44,45	45	50
250	315	25	1	CAG90-303-ST-30/22	22	30	44,45	45	50
250	315	25	1	CAG90-303-ST-33,7/25	25	33,7	44,45	45	50
200	250	32	1-1/4	CAG90-304-ST-25/19	19	25	50,8	50	59
200	250	32	1-1/4	CAG90-304-ST-30/22	22	30	50,8	50	59
200	250	32	1-1/4	CAG90-304-ST-35/31	31	35	50,8	50	59
200	250	32	1-1/4	CAG90-304-ST-38/28	28	38	50,8	50	59
200	250	32	1-1/4	CAG90-304-ST-42,4/32	32	42,4	50,8	50	59
200	200	38	1-1/2	CAG90-305-ST-38/28	28	38	60,35	76	56
200	200	38	1-1/2	CAG90-305-ST-42/36	36	42	60,35	76	56
200	200	38	1-1/2	CAG90-305-ST-48,3/38	38	48,3	60,35	76	56

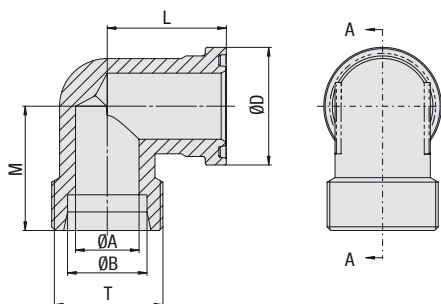
6000 PSI High Pressure Series (according to ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)				
8.8	10.9 (MH)	DN	(in)		ØA	ØB	ØD	L	M
350	400	13	1/2	CAG90-601-ST-16/10	10	16	31,8	39	38
350	400	13	1/2	CAG90-601-ST-21,3/12	12	21,3	31,8	39	38
350	400	19	3/4	CAG90-602-ST-16/10	10	16	41,3	48	48
350	400	19	3/4	CAG90-602-ST-20/12	12	20	41,2	48	48
350	400	19	3/4	CAG90-602-ST-25/17	17	25	41,3	48	48
350	400	19	3/4	CAG90-602-ST-26,9/16	16	26,9	41,3	48	48
350	400	25	1	CAG90-603-ST-25/17	17	25	47,6	60	60
350	400	25	1	CAG90-603-ST-30/22	22	30	47,6	60	60
350	400	25	1	CAG90-603-ST-33,7/25	25	33,7	47,6	60	60
350	400	25	1	CAG90-603-ST-33,7/21	21	33,7	47,6	60	60
350	400	32	1-1/4	CAG90-604-ST-30/22 ²	22	30	54	68	68
350	400	32	1-1/4	CAG90-604-ST-38/28 ²	28	38	54	68	68
350	400	32	1-1/4	CAG90-604-ST-42,4/30 ²	30	42,4	54	68	68
350	400	32	1-1/4	CAG90-604-ST-38/22 ²	22	38	54	68	68
350	400	38	1-1/2	CAG90-605-ST-38/28	28	38	63,5	76	76
350	400	38	1-1/2	CAG90-605-ST-38/22	22	38	63,5	76	76
350	400	38	1-1/2	CAG90-605-ST-48,3/34	34	48,3	63,6	76	76
350	400	38	1-1/2	CAG90-605-ST-48,3/32	32	48,3	63,5	76	76

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

² According to ISO 6162-2 bolts M12 should be used but because usually bolts M14 are used the description of the complete part must show M14 (CAG90-604-ST-30/22-M14#K).

SAE 90° Flange Adapter with 24° Cone Connector (ISO 8434-1/DIN 2353) CAG90-L/S



Material S355J0 or equivalent
Surface CrVI-free
Special Material Stainless Steel 1.4404 "-W5" on request

Order Codes

- ★ SAE 90° Flange Adapter with 24° Cone Connector (acc. to ISO 8434-1 / DIN 2353) (without O-ring) **CAG90-...**
- ★ Including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) and DB (packed in kits) **CAG90-...#K**
- ★ Including Metric bolts 10.9, spring rings, O-ring made of NBR (Buna-N®) and DB (packed in kits) **CAG90-...-MH#K**
- ★ Including UNC bolts (Gr8), spring rings, O-ring made of FPM (Viton®) and DB (packed in kits) **CAG90-...-V-U#K**

3000 PSI Standard Pressure Series (according to ISO 6162-1:2006)

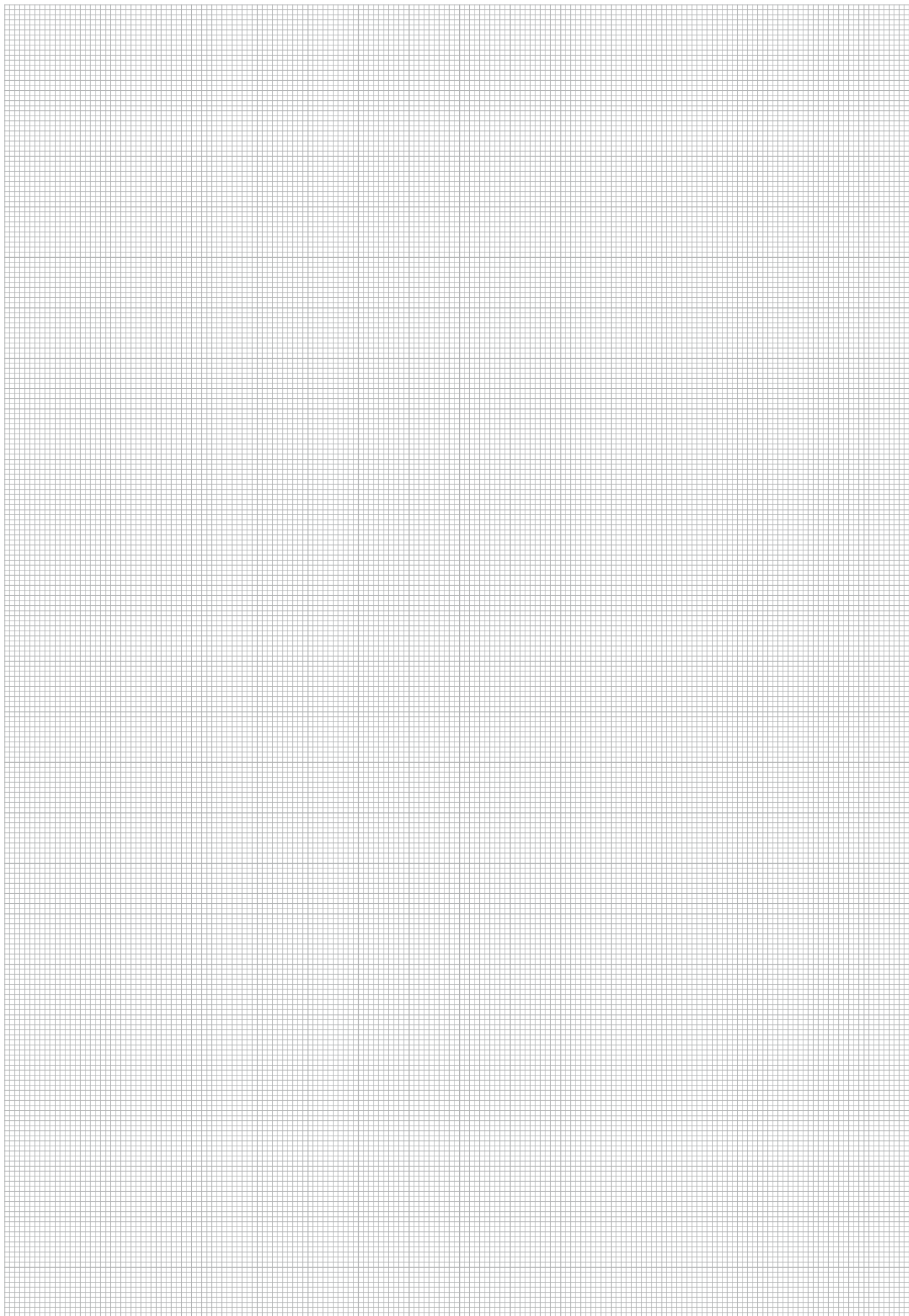
PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)					
8.8	10.9 (MH)	DN	(in)		ØA	ØB	ØD	L	M	T (Metric)
315	315	13	1/2	CAG90-301-L15	12	15 L	30,2	39	36	22x1,5
350	350	13	1/2	CAG90-301-S16	12	16 S	30,2	39	38	24x1,5
315	315	19	3/4	CAG90-302-L18	15	18 L	38,1	42	39	26x1,5
350	350	19	3/4	CAG90-302-S20	16	20 S	38,1	42	43	30x2
160	160	19	3/4	CAG90-302-L22	19	22 L	38,1	42	41	30x2
350	350	19	3/4	CAG90-302-S25	17	25 S	38,1	42	45	36x2
250	315	25	1	CAG90-303-S25	20	25 S	44,45	45	48,5	36x2
160	160	25	1	CAG90-303-L28	24	28 L	44,45	45	45,5	36x2
250	315	25	1	CAG90-303-S30	24	30 S	44,45	45	50	42x2
200	250	32	1-1/4	CAG90-304-S25	20	25 S	50,8	50	55	36x2
200	250	32	1-1/4	CAG90-304-S30	25	30 S	50,8	50	57	42x2
160	160	32	1-1/4	CAG90-304-L35	30	35 L	50,8	50	57	45x2
200	250	32	1-1/4	CAG90-304-S38	28	38 S	50,8	50	59	52x2
200	200	38	1-1/2	CAG90-305-S38	32	38 S	60,35	55	64	52x2
160	160	38	1-1/2	CAG90-305-L42	36	42 L	60,35	55	58	52x2

6000 PSI High Pressure Series (according to ISO 6162-2:2006)

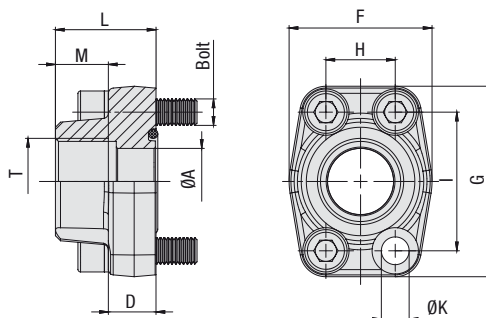
PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)					
8.8	10.9 (MH)	DN	(in)		ØA	ØB	ØD	L	M	T (Metric)
350	400	13	1/2	CAG90-601-S16	12	16 S	31,8	39	37,9	24x1,5
350	400	19	3/4	CAG90-602-S16	12	16 S	41,3	48	45	24x1,5
350	400	19	3/4	CAG90-602-S20	16	20 S	41,3	48	46	30x2
350	400	19	3/4	CAG90-602-S25	17	25 S	41,3	48	48	36x2
350	400	25	1	CAG90-603-S25	20	25 S	47,6	60	53	36x2
350	400	25	1	CAG90-603-S30	24	30 S	47,6	60	55	42x2
350	400	32	1-1/4	CAG90-604-S30 ²	25	30 S	54	68	58	42x2
350	350	32	1-1/4	CAG90-604-S38 ²	30	38 S	54	68	61	52x2
350	350	38	1-1/2	CAG90-605-S30	25	30 S	63,5	76	72	42x2
350	350	38	1-1/2	CAG90-605-S38	30	38 S	63,5	76	72	52x2

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

² According to ISO 6162-2 bolts M12 should be used but because usually bolts M14 are used the description of the complete part must show M14 (e.g. CAG90-604-S30-M14#K).



SAE Single-Part Screw-in BSPP Threaded Flange BFX-G



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "-W5" on request

Order Codes

- ★ SAE Single-Part Screw-in BSPP Threaded Flange (without O-ring) **BFX-...-G**
- ★ Deviant Screw-in BSPP thread, including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-G*** #K**
- ★ Deviant Screw-in BSPP thread, including Metric bolts 10.9, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-G***-MH#K**
- ★ Including UNC bolts (Gr8), spring rings, O-ring made of FPM (Viton®) (packed in kits) **BFX-...-G-V-U#K**

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	L	M	T (BSPP)	ØK ³	Metr. ³	UNC
350	350	13	1/2	BFX-301-G	13	16	47	57	17,5	38,1	36	15	1/2	8,7	M8x30	5/16-18 UNC x 1-1/4
350	350	13	1/2	BFX-301-G038	13	16	47	57	17,5	38,1	36	20	3/8	8,7	M8x30	5/16-18 UNC x 1-1/4
350	350	19	3/4	BFX-302-G	19	18	50	67	22,3	47,6	36	18	3/4	10,5	M10x35	3/8-16 UNC x 1-1/2
350	350	19	3/4	BFX-302-G012	13	18	50	67	22,3	47,6	36	15	1/2	10,5	M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX-303-G	25	18	54	72	26,2	52,4	38	20	1	10,5	M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX-303-G034	19	18	54	72	26,2	52,4	38	18	3/4	10,5	M10x35	3/8-16 UNC x 1-1/2
200	250	32	1-1/4	BFX-304-G	31	21	68	82	30,2	58,7	41	22	1-1/4	11,7 (13,5)	M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	250	32	1-1/4	BFX-304-G100	25	21	68	82	30,2	58,7	41	20	1	11,7 (13,5)	M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	200	38	1-1/2	BFX-305-G	38	25	79	96	35,7	69,9	44	24	1-1/2	13,5 (14,5)	M12x45 (M14x45)	1/2-13 UNC x 1-3/4
200	200	38	1-1/2	BFX-305-G114	31	25	79	96	35,7	69,9	44	22	1-1/4	13,5 (14,5)	M12x45 (M14x45)	1/2-13 UNC x 1-3/4
160	200	51	2	BFX-306-G	50	25,5	88	102	42,9	77,8	45	26	2	13,5 (14,5)	M12x45 (M14x45)	1/2-13 UNC x 1-3/4
160	200	51	2	BFX-306-G112	38	25,5	88	102	42,9	77,8	45	24	1-1/2	13,5 (14,5)	M12x45 (M14x45)	1/2-13 UNC x 1-3/4
100	160	64	2-1/2	BFX-307-G	63	26	101	115	50,8	88,9	50	30	2-1/2	13,5 (14,5)	M12x45 (M14x45)	1/2-13 UNC x 1-3/4
100	160	64	2-1/2	BFX-307-G200	50	26	101	115	50,8	88,9	50	26	2	13,5 (14,5)	M12x45 (M14x45)	1/2-13 UNC x 1-3/4
100	160	76	3	BFX-308-G	73	27,5	127	137	61,9	106,4	50	30	3	17	M16x50	5/8-11 UNC x 2
100	160	76	3	BFX-308-G212	63	27,5	127	137	61,9	106,4	50	30	2-1/2	17	M16x50	5/8-11 UNC x 2
35	35	89	3-1/2	BFX-309-G	89	27,5	138	155	69,8	120,7	50	30	3-1/2	17	M16x50	5/8-11 UNC x 2
35	35	102	4	BFX-310-G	99	27,5	147	163	77,8	130,2	50	30	4	17	M16x50	5/8-11 UNC x 2
35	35	127	5	BFX-311-G	120	28	180	184	92	152,4	50	30	5	17	M16x55	5/8-11 UNC x 2-1/4

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	L	M	T (BSPP)	ØK ³	Metr.	UNC
350	400	13	1/2	BFX-601-G	13	16,5	47	57	18,2	40,5	36	15	1/2	8,7	M8x30	5/16-18 UNC x 1-1/4
350	400	13	1/2	BFX-601-G038	13	16,5	47	57	18,2	40,5	36	20	3/8	8,7	M8x30	5/16-18 UNC x 1-1/4
350	400	19	3/4	BFX-602-G	19	19,5	54	72	23,8	50,8	36	18	3/4	10,5	M10x35	3/8-16 UNC x 1-1/2
350	400	19	3/4	BFX-602-G012	14	19,5	54	72	23,8	50,8	36	15	1/2	10,5	M10x35	3/8-16 UNC x 1-1/2
350	400	25	1	BFX-603-G	25	24,5	68	82	27,8	57,2	44	20	1	13	M12x45	7/16-14 UNC x 1-3/4
350	400	25	1	BFX-603-G034	19	24,5	68	82	27,8	57,2	44	18	3/4	13	M12x45	7/16-14 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-G	31	27,5	79	95	31,6	66,6	44	22	1-1/4	13,5	M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-G-M14	31	27,5	79	95	31,6	66,6	44	22	1-1/4	15	M14x45	
350	400	32	1-1/4	BFX-604-G100	25	27,5	79	95	31,6	66,6	44	20	1	13,5	M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-G100-M14	25	27,5	79	95	31,6	66,6	44	20	1	15	M14x45	
350	400	38	1-1/2	BFX-605-G	38	31	88	108	36,5	79,3	51	24	1-1/2	17	M16x55	5/8-11 UNC x 2-1/4
350	400	38	1-1/2	BFX-605-G114	31	31	88	108	36,5	79,3	51	22	1-1/4	17	M16x55	5/8-11 UNC x 2-1/4
350	400	51	2	BFX-606-G	50	37	118	137	44,5	96,8	65	33	2	21	M20x70	3/4-10 UNC x 2-3/4

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

² For UNC threaded bolts, use hexagon head bolts only. Please note that these do not belong to our product range.

³ Alternative options shown in brackets are available on request.

SAE Single-Part Screw-in BSPP Threaded Counterflange BAS-G

Order Codes

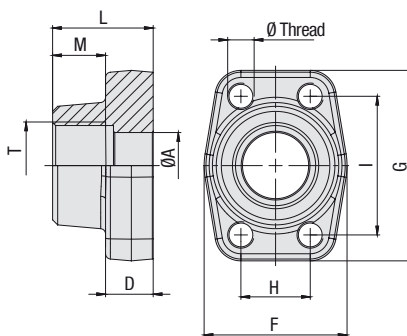
- ★ SAE Single-Part Screw-in BSPP Threaded Counterflange
- ★ For UNC bolts
- ★ Deviant Screw-in BSPP thread
- ★ For deviant Metric bolts (M14), deviant Screw-in BSPP thread

BAS-...-G

BAS-...-GU

BAS-...-G***

BAS-...-GM14-100



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										Ø Thread	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	L	M	T (BSPP)		Metr. ³	UNC
350	350	13	1/2	BAS-301-G	13	16	47	57	17,5	38,1	36	15	1/2		M8	5/16-18 UNC
350	350	13	1/2	BAS-301-G038	13	16	47	57	17,5	38,1	36	20	3/8		M8	5/16-18 UNC
350	350	19	3/4	BAS-302-G	19	18	50	67	22,3	47,6	36	18	3/4		M10	3/8-16 UNC
350	350	19	3/4	BAS-302-G012	13	18	50	67	22,3	47,6	36	15	1/2		M10	3/8-16 UNC
250	315	25	1	BAS-303-G	25	18	54	72	26,2	52,4	38	20	1		M10	3/8-16 UNC
250	315	25	1	BAS-303-G034	19	18	54	72	26,2	52,4	38	18	3/4		M10	3/8-16 UNC
200	250	32	1-1/4	BAS-304-G	31	21	68	82	30,2	58,7	41	22	1-1/4		M10 (M12)	7/16-14 UNC
200	250	32	1-1/4	BAS-304-G100	25	21	68	82	30,2	58,7	41	20	1		M10 (M12)	7/16-14 UNC
200	200	38	1-1/2	BAS-305-G	38	25	79	96	35,7	69,9	44	24	1-1/2		M12 (M14)	1/2-13 UNC
200	200	38	1-1/2	BAS-305-G114	31	25	79	96	35,7	69,9	44	22	1-1/4		M12 (M14)	1/2-13 UNC
160	200	51	2	BAS-306-G	50	25,5	88	102	42,9	77,8	45	26	2		M12 (M14)	1/2-13 UNC
160	200	51	2	BAS-306-G112	38	25,5	88	102	42,9	77,8	45	24	1-1/2		M12 (M14)	1/2-13 UNC
100	160	64	2-1/2	BAS-307-G	63	26	101	115	50,8	88,9	50	30	2-1/2		M12 (M14)	1/2-13 UNC
100	160	64	2-1/2	BAS-307-G200	50	26	101	115	50,8	88,9	50	26	2		M12 (M14)	1/2-13 UNC
100	160	76	3	BAS-308-G	73	27,5	127	137	61,9	106,4	50	30	3		M16	5/8-11 UNC
100	160	76	3	BAS-308-G212	63	27,5	127	137	61,9	106,4	50	30	2-1/2		M16	5/8-11 UNC
35	35	89	3-1/2	BAS-309-G	89	27,5	138	155	69,8	120,7	50	30	3-1/2		M16	5/8-11 UNC
35	35	102	4	BAS-310-G	99	27,5	147	163	77,8	130,2	50	30	4		M16	5/8-11 UNC
35	35	127	5	BAS-311-G	120	28	180	184	92,0	152,4	50	30	5		M16	5/8-11 UNC

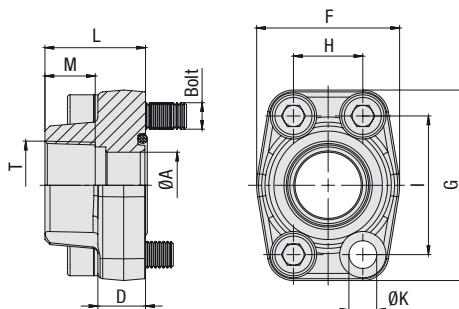
6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										Ø Thread	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	L	M	T (BSPP)		Metr.	UNC
350	400	13	1/2	BAS-601-G	13	16,5	47	57	18,2	40,5	36	15	1/2		M8	5/16-18 UNC
350	400	13	1/2	BAS-601-G038	13	16,5	47	57	18,2	40,5	36	20	3/8		M8	5/16-18 UNC
350	400	19	3/4	BAS-602-G	19	19,5	54	72	23,8	50,8	36	18	3/4		M10	3/8-16 UNC
350	400	19	3/4	BAS-602-G012	14	19,5	54	72	23,8	50,8	36	15	1/2		M10	3/8-16 UNC
350	400	25	1	BAS-603-G	25	24,5	68	82	27,8	57,2	44	20	1		M12	7/16-14 UNC
350	400	25	1	BAS-603-G034	19	24,5	68	82	27,8	57,2	44	18	3/4		M12	7/16-14 UNC
350	400	32	1-1/4	BAS-604-G	31	27,5	79	95	31,6	66,6	44	22	1-1/4		M12	1/2-13 UNC
350	400	32	1-1/4	BAS-604-GM14	31	27,5	79	95	31,6	66,6	44	22	1-1/4		M14	
350	400	32	1-1/4	BAS-604-G100	25	27,5	79	95	31,6	66,6	44	20	1		M12	1/2-13 UNC
350	400	32	1-1/4	BAS-604-GM14-100	25	27,5	79	95	31,6	66,6	44	20	1		M14	
350	400	38	1-1/2	BAS-605-G	38	31	88	108	36,5	79,3	51	24	1-1/2		M16	5/8-11 UNC
350	400	38	1-1/2	BAS-605-G114	31	31	88	108	36,5	79,3	51	22	1-1/4		M16	5/8-11 UNC
350	400	51	2	BAS-606-G	50	37	118	137	44,5	96,8	58	33	2		M20	3/4-10 UNC

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

³ Alternative options shown in brackets are available on request.

SAE Single-Part Screw-in NPT Threaded Flange BFX-N



Order Codes

- ★ SAE Single-Part Screw-in NPT Threaded Flange (without O-ring) **BFX-...-N**
- ★ Deviant Screw-in NPT thread, including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-N***#K**
- ★ Deviant Screw-in NPT thread, including Metric bolts 10.9, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-N***-MH#K**
- ★ Including UNC bolts (Gr8), spring rings, O-ring made of FPM (Viton®) (packed in kits) **BFX-...-N-V-U#K**

Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)											for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	L	M	T (NPT)	ØK ³		Metr. ³	UNC
350	350	13	1/2	BFX-301-N	13	16	47	57	17,5	38,1	36	15	1/2	8,7		M8x30	5/16-18 UNC x 1-1/4
350	350	13	1/2	BFX-301-N038	13	16	47	57	17,5	38,1	36	20	3/8	8,7		M8x30	5/16-18 UNC x 1-1/4
350	350	19	3/4	BFX-302-N	19	18	50	67	22,3	47,6	36	18	3/4	10,5		M10x35	3/8-16 UNC x 1-1/2
350	350	19	3/4	BFX-302-N012	13	18	50	67	22,3	47,6	36	15	1/2	10,5		M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX-303-N	25	18	54	72	26,2	52,4	38	20	1	10,5		M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX-303-N034	19	18	54	72	26,2	52,4	38	18	3/4	10,5		M10x35	3/8-16 UNC x 1-1/2
200	250	32	1-1/4	BFX-304-N	31	21	68	82	30,2	58,7	41	22	1-1/4	11,7 (13,5)		M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	250	32	1-1/4	BFX-304-N100	25	21	68	82	30,2	58,7	41	20	1	11,7 (13,5)		M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	200	38	1-1/2	BFX-305-N	38	25	79	96	35,7	69,9	44	24	1-1/2	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
200	200	38	1-1/2	BFX-305-N114	31	25	79	96	35,7	69,9	44	22	1-1/4	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
160	200	51	2	BFX-306-N	50	25,5	88	102	42,9	77,8	45	26	2	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
160	200	51	2	BFX-306-N112	38	25,5	88	102	42,9	77,8	45	24	1-1/2	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
100	160	64	2-1/2	BFX-307-N	63	26	101	115	50,8	88,9	50	30	2-1/2	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
100	160	64	2-1/2	BFX-307-N200	50	26	101	115	50,8	88,9	50	26	2	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
100	160	76	3	BFX-308-N	73	27,5	127	137	61,9	106,4	50	30	3	17		M16x50	5/8-11 UNC x 2
100	160	76	3	BFX-308-N212	63	27,5	127	137	61,9	106,4	50	30	2-1/2	17		M16x50	5/8-11 UNC x 2
35	35	89	3-1/2	BFX-309-N	89	27,5	138	155	69,8	120,7	50	30	3-1/2	17		M16x50	5/8-11 UNC x 2
35	35	102	4	BFX-310-N	99	27,5	147	163	77,8	130,2	50	30	4	17		M16x50	5/8-11 UNC x 2
35	35	127	5	BFX-311-N	120	28	180	184	92	152,4	50	30	5	17		M16x55	5/8-11 UNC x 2-1/4

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)											for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	L	M	T (NPT)	ØK ³		Metr.	UNC
350	400	13	1/2	BFX-601-N	13	16,5	47	57	18,2	40,5	36	15	1/2	8,7		M8x30	5/16-18 UNC x 1-1/4
350	400	13	1/2	BFX-601-N038	13	16,5	47	57	18,2	40,5	36	20	3/8	8,7		M8x30	5/16-18 UNC x 1-1/4
350	400	19	3/4	BFX-602-N	19	19,5	54	72	23,8	50,8	36	18	3/4	10,5		M10x35	3/8-16 UNC x 1-1/2
350	400	19	3/4	BFX-602-N012	14	19,5	54	72	23,8	50,8	36	15	1/2	10,5		M10x35	3/8-16 UNC x 1-1/2
350	400	25	1	BFX-603-N	25	24,5	68	82	27,8	57,2	44	20	1	13		M12x45	7/16-14 UNC x 1-3/4
350	400	25	1	BFX-603-N034	19	24,5	68	82	27,8	57,2	44	18	3/4	13		M12x45	7/16-14 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-N	31	27,5	79	95	31,6	66,6	44	22	1-1/4	13,5		M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-N-M14	31	27,5	79	95	31,6	66,6	44	22	1-1/4	15		M14x45	
350	400	32	1-1/4	BFX-604-N100	25	27,5	79	95	31,6	66,6	44	20	1	13,5		M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-N100-M14	25	27,5	79	95	31,6	66,6	44	20	1	15		M14x45	
350	400	38	1-1/2	BFX-605-N	38	31	88	108	36,5	79,3	51	24	1-1/2	17		M16x55	5/8-11 UNC x 2-1/4
350	400	38	1-1/2	BFX-605-N114	31	31	88	108	36,5	79,3	51	22	1-1/4	17		M16x55	5/8-11 UNC x 2-1/4
350	400	51	2	BFX-606-N	50	37	118	137	44,5	96,8	65	33	2	21		M20x70	3/4-10 UNC x 2-3/4

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

² For UNC threaded bolts, use hexagon head bolts only. Please note that these do not belong to our product range.

³ Alternative options shown in brackets are available on request.

SAE Single-Part Screw-in NPT Threaded Counterflange BAS-N

Order Codes

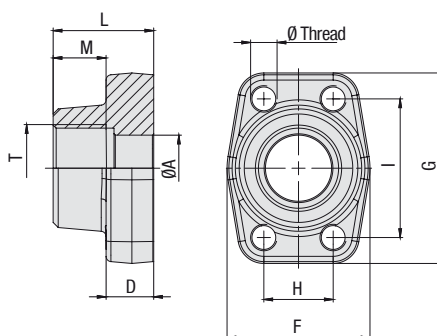
- ★ SAE Single-Part Screw-in NPT Threaded Counterflange
- ★ For UNC bolts
- ★ Deviant Screw-in NPT thread
- ★ For deviant Metric bolts (M14), deviant Screw-in NPT thread

BAS-...-N

BAS-...-NU

BAS-...-N***

BAS-...-NM14-100



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										Ø Thread	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	L	M	T (NPT)		Metr. ³	UNC
350	350	13	1/2	BAS-301-N	13	16	47	57	17,5	38,1	36	15	1/2		M8	5/16-18 UNC
350	350	13	1/2	BAS-301-N038	13	16	47	57	17,5	38,1	36	20	3/8		M8	5/16-18 UNC
350	350	19	3/4	BAS-302-N	19	18	50	67	22,3	47,6	36	18	3/4		M10	3/8-16 UNC
350	350	19	3/4	BAS-302-N012	13	18	50	67	22,3	47,6	36	15	1/2		M10	3/8-16 UNC
250	315	25	1	BAS-303-N	25	18	54	72	26,2	52,4	38	20	1		M10	3/8-16 UNC
250	315	25	1	BAS-303-N034	19	18	54	72	26,2	52,4	38	18	3/4		M10	3/8-16 UNC
200	250	32	1-1/4	BAS-304-N	31	21	68	82	30,2	58,7	41	22	1-1/4		M10 (M12)	7/16-14 UNC
200	250	32	1-1/4	BAS-304-N100	25	21	68	82	30,2	58,7	41	20	1		M10 (M12)	7/16-14 UNC
200	200	38	1-1/2	BAS-305-N	38	25	79	96	35,7	69,9	44	24	1-1/2		M12 (M14)	1/2-13 UNC
200	200	38	1-1/2	BAS-305-N114	31	25	79	96	35,7	69,9	44	22	1-1/4		M12 (M14)	1/2-13 UNC
160	200	51	2	BAS-306-N	50	25,5	88	102	42,9	77,8	45	26	2		M12 (M14)	1/2-13 UNC
160	200	51	2	BAS-306-N112	38	25,5	88	102	42,9	77,8	45	24	1-1/2		M12 (M14)	1/2-13 UNC
100	160	64	2-1/2	BAS-307-N	63	26	101	115	50,8	88,9	50	30	2-1/2		M12 (M14)	1/2-13 UNC
100	160	64	2-1/2	BAS-307-N200	50	26	101	115	50,8	88,9	50	26	2		M12 (M14)	1/2-13 UNC
100	160	76	3	BAS-308-N	73	27,5	127	137	61,9	106,4	50	30	3		M16	5/8-11 UNC
100	160	76	3	BAS-308-N212	63	27,5	127	137	61,9	106,4	50	30	2-1/2		M16	5/8-11 UNC
35	35	89	3-1/2	BAS-309-N	89	27,5	138	155	69,8	120,7	50	30	3-1/2		M16	5/8-11 UNC
35	35	102	4	BAS-310-N	99	27,5	147	163	77,8	130,2	50	30	4		M16	5/8-11 UNC
35	35	127	5	BAS-311-N	120	28	180	184	92	152,4	50	30	5		M16	5/8-11 UNC

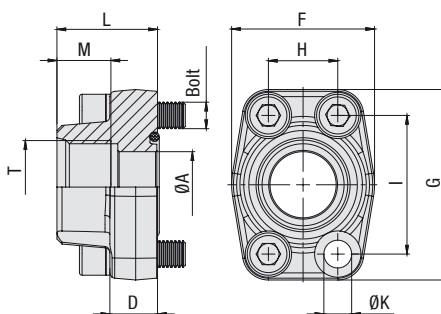
6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										Ø Thread	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	L	M	T (NPT)		Metr.	UNC
350	400	13	1/2	BAS-601-N	13	16,5	47	57	18,2	40,5	36	15	1/2		M8	5/16-18 UNC
350	400	13	1/2	BAS-601-N038	13	16,5	47	57	18,2	40,5	36	20	3/8		M8	5/16-18 UNC
350	400	19	3/4	BAS-602-N	19	19,5	54	72	23,8	50,8	36	18	3/4		M10	3/8-16 UNC
350	400	19	3/4	BAS-602-N012	14	19,5	54	72	23,8	50,8	36	15	1/2		M10	3/8-16 UNC
350	400	25	1	BAS-603-N	25	24,5	68	82	27,8	57,2	44	20	1		M12	7/16-14 UNC
350	400	25	1	BAS-603-N034	19	24,5	68	82	27,8	57,2	44	18	3/4		M12	7/16-14 UNC
350	400	32	1-1/4	BAS-604-N	31	27,5	79	95	31,6	66,6	44	22	1-1/4		M12	1/2-13 UNC
350	400	32	1-1/4	BAS-604-NM14	31	27,5	79	95	31,6	66,6	44	22	1-1/4		M14	
350	400	32	1-1/4	BAS-604-N100	25	27,5	79	95	31,6	66,6	44	20	1		M12	1/2-13 UNC
350	400	32	1-1/4	BAS-604-NM14-100	25	27,5	79	95	31,6	66,6	44	20	1		M14	
350	400	38	1-1/2	BAS-605-N	38	31	88	108	36,5	79,3	51	24	1-1/2		M16	5/8-11 UNC
350	400	38	1-1/2	BAS-605-N114	31	31	88	108	36,5	79,3	51	22	1-1/4		M16	5/8-11 UNC
350	400	51	2	BAS-606-N	50	37	118	137	44,5	96,8	58	33	2		M20	3/4-10 UNC

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

³ Alternative options shown in brackets are available on request.

SAE Single-Part Screw-in UN Threaded Flange BFX-U



Order Codes

- ★ SAE Single-Part Screw-in UN Threaded Flange (without O-ring) **BFX-...-U****
- ★ Including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-U**#K**
- ★ Including Metric bolts 10.9, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-U**-MH#K**
- ★ Including UNC bolts (Gr8), spring rings, O-ring made of FPM (Viton®) (packed in kits) **BFX-...-U**-V-U#K**

Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "-W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	L	M	T (UN/UNF)	ØK ³	Metr. ³	UNC
350	350	13	1/2	BFX-301-U3/4	13	16	47	57	17,5	38,1	36	14,3	3/4-16	8,7	M8x30	5/16-18 UNC x 1-1/4
350	350	19	3/4	BFX-302-U7/8	19	18	50	67	22,3	47,6	36	16,7	7/8-14	10,5	M10x35	3/8-16 UNC x 1-1/2
350	350	19	3/4	BFX-302-U1-1/16	19	18	50	67	22,3	47,6	36	16,7	1-1/16-12	10,5	M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX-303-U1-1/16	25	18	54	72	26,2	52,4	38	19	1-1/16-12	10,5	M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX-303-U1-5/16	25	18	54	72	26,2	52,4	38	19	1-5/16-12	10,5	M10x35	3/8-16 UNC x 1-1/2
200	250	32	1-1/4	BFX-304-U1-5/16	31	21	68	82	30,2	58,7	41	19	1-5/16-12	11,7 (13,5)	M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	250	32	1-1/4	BFX-304-U1-5/8	31	21	68	82	30,2	58,7	41	19	1-5/8-12	11,7 (13,5)	M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	200	38	1-1/2	BFX-305-U1-5/8	38	25	79	96	35,7	69,9	44	19	1-5/8-12	13,5 (14,5)	M12x45 (M14x45)	1/2-13 UNC x 1-3/4
200	200	38	1-1/2	BFX-305-U1-7/8	38	25	79	96	35,7	69,9	44	19	1-7/8-12	13,5 (14,5)	M12x45 (M14x45)	1/2-13 UNC x 1-3/4

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	L	M	T (UN/UNF)	ØK	Metr.	UNC
350	400	13	1/2	BFX-601-U3/4	13	16,5	47	57	18,2	40,5	36	14,3	3/4-16	8,7	M8x30	5/16-18 UNC x 1-1/4
350	400	19	3/4	BFX-602-U7/8	19	19,5	54	72	23,8	50,8	36	16,7	7/8-14	10,5	M10x35	3/8-16 UNC x 1-1/2
350	400	19	3/4	BFX-602-U1-1/16	19	19,5	54	72	23,8	50,8	36	16,7	1-1/16-12	10,5	M10x35	3/8-16 UNC x 1-1/2
350	400	25	1	BFX-603-U1-1/16	25	24,5	68	82	27,8	57,1	44	19	1-1/16-12	13	M12x45	7/16-14 UNC x 1-3/4
350	400	25	1	BFX-603-U1-5/16	25	24,5	68	82	27,8	57,1	44	19	1-5/16-12	13	M12x45	7/16-14 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-U1-5/16	31	27,5	79	95	31,6	66,7	44	19	1-5/16-12	13,5		1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-U1-5/16-M14	31	27,5	79	95	31,6	66,7	44	19	1-5/16-12	15	M14x45	
350	400	32	1-1/4	BFX-604-U1-5/8	31	27,5	79	95	31,6	66,7	44	19	1-5/8-12	13,5		1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-U1-5/8-M14	31	27,5	79	95	31,6	66,7	44	19	1-5/8-12	15	M14x45	
350	400	38	1-1/2	BFX-605-U1-5/8	38	31	88	108	36,5	79,4	51	19	1-5/8-12	17	M16x55	5/8-11 UNC x 2-1/4
350	400	38	1-1/2	BFX-605-U1-7/8	38	31	88	108	36,5	79,4	51	19	1-7/8-12	17	M16x55	5/8-11 UNC x 2-1/4

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

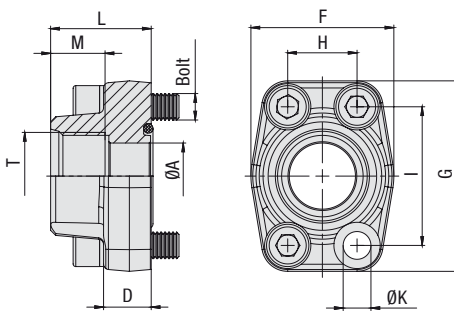
² For UNC threaded bolts, use hexagon head bolts only. Please note that these do not belong to our product range.

³ Alternative options shown in brackets are available on request.

SAE Single-Part Screw-in Metric Threaded Flange BFX-M

Order Codes

- ★ SAE Single-Part Screw-in Metric Threaded Flange (without O-ring) **BFX-...-M****
- ★ Including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-M** *#K**
- ★ Including Metric bolts 10.9, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-M** *MH#K**



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	L	M	T (Metric)	ØK ³	Metr. ³	
350	350	13	1/2	BFX-301-M18	13	16	47	57	17,5	38,1	36	15	18x1,5	8,7	M8x30	
350	350	13	1/2	BFX-301-M20	13	16	47	57	17,5	38,1	36	15	20x1,5	8,7	M8x30	
350	350	19	3/4	BFX-302-M22	19	18	50	67	22,3	47,6	36	16	22x1,5	10,5	M10x35	
350	350	19	3/4	BFX-302-M27	19	18	50	67	22,3	47,6	36	19	27x2	10,5	M10x35	
250	315	25	1	BFX-303-M27	25	18	54	72	26,2	52,4	38	19	27x2	10,5	M10x35	
250	315	25	1	BFX-303-M33	25	18	54	72	26,2	52,4	38	19	33x2	10,5	M10x35	
200	250	32	1-1/4	BFX-304-M33	31	21	68	82	30,2	58,7	41	19	33x2	10,5 (13,5)	M10x40 (M12x40)	
200	250	32	1-1/4	BFX-304-M42	31	21	68	82	30,2	58,7	41	20	42x2	10,5 (13,5)	M10x40 (M12x40)	
200	200	38	1-1/2	BFX-305-M42	38	25	79	96	35,7	69,9	44	20	42x2	13,5 (14,5)	M12x45 (M14x45)	
200	200	38	1-1/2	BFX-305-M48	38	25	79	96	35,7	69,9	44	22	48x2	13,5 (14,5)	M12x45 (M14x45)	

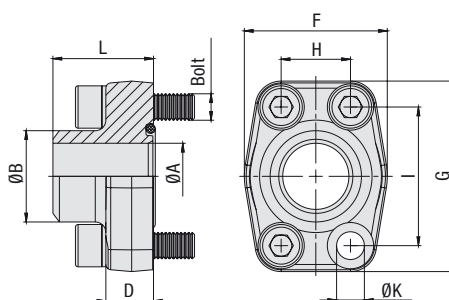
6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	L	M	T (Metric)	ØK	Metr.	
350	400	13	1/2	BFX-601-M18	13	16,5	47	57	18,2	40,5	36	15	18x1,5	8,7	M8x30	
350	400	13	1/2	BFX-601-M20	13	16,5	47	57	18,2	40,5	36	15	20x1,5	8,7	M8x30	
350	400	19	3/4	BFX-602-M22	19	19,5	54	72	23,8	50,8	36	16	22x1,5	10,5	M10x35	
350	400	19	3/4	BFX-602-M27	19	19,5	54	72	23,8	50,8	36	19	27x2	10,5	M10x35	
350	400	25	1	BFX-603-M27	25	24,5	68	82	27,8	57,2	44	19	27x2	13	M12x45	
350	400	25	1	BFX-603-M33	25	24,5	68	82	27,8	57,2	44	19	33x2	13	M12x45	
350	400	32	1-1/4	BFX-604-M33	31	27,5	79	95	31,6	66,6	44	19	33x2	13,5	M12x45	
350	400	32	1-1/4	BFX-604-M33-M14	31	27,5	79	95	31,6	66,6	44	19	33x2	15	M14x45	
350	400	32	1-1/4	BFX-604-M42	31	27,5	79	95	31,6	66,6	44	20	42x2	13,5	M12x45	
350	400	32	1-1/4	BFX-604-M42-M14	31	27,5	79	95	31,6	66,6	44	20	42x2	15	M14x45	
350	400	38	1-1/2	BFX-605-M42	38	31	88	108	36,5	79,3	51	20	42x2	17	M16x55	
350	400	38	1-1/2	BFX-605-M48	38	31	88	108	36,5	79,3	51	22	48x2	17	M16x55	

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

³ Alternative options shown in brackets are available on request.

SAE Single-Part Butt Weld Flange for High Pressure Tubes (Schedule 80/160/XXS) BFX-ST



Order Codes

- ★ SAE Single-Part Butt Weld Flange **BFX-...-ST-**-****
(without O-ring)
- ★ Including Metric bolts 8.8, **BFX-...-ST-**-**#K**
spring rings, O-ring made of NBR (Buna-N®)
(packed in kits)
- ★ Including Metric bolts 10.9, **BFX-...-ST-**-**-MH#K**
spring rings, O-ring made of NBR (Buna-N®)
(packed in kits)
- ★ Including UNC bolts (Gr8), **BFX-...-ST-**-**-V-U#K**
spring rings, O-ring made of FPM (Viton®)
(packed in kits)

Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "-W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	ØB	D	F	G	H	I	L	ØK ³		Metr. ³	UNC
350	350	13	1/2	BFX-301-ST-21,6/13	13	21,6	16	47	57	17,5	38,1	36	8,7		M8x30	5/16-18 UNC x 1-1/4
350	350	13	1/2	BFX-301-ST-17,5/13	13	17,5	16	47	57	17,5	38,1	36	8,7		M8x30	5/16-18 UNC x 1-1/4
350	350	19	3/4	BFX-302-ST-27,2/19	19	27,2	18	50	67	22,3	47,6	36	10,5		M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX-303-ST-34/25	25	34	18	54	72	26,2	52,4	38	10,5		M10x35	3/8-16 UNC x 1-1/2
200	250	32	1-1/4	BFX-304-ST-42,8/32	32	42,8	21	68	82	30,2	58,7	41	11,7 (13,5)		M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	200	38	1-1/2	BFX-305-ST-48,6/38	38	48,6	25	79	96	35,7	69,9	44	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
160	200	51	2	BFX-306-ST-61/51	51	61	25,5	88	102	42,9	77,8	45	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
100	160	64	2-1/2	BFX-307-ST-77/63	63	77	26	101	115	50,8	88,9	50	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
100	160	76	3	BFX-308-ST-92/73	73	92	27,5	127	137	61,9	106,4	50	17		M16x50	5/8-11 UNC x 2
35	35	89	3-1/2	BFX-309-ST-103/89	89	103	27,5	138	155	69,9	120,7	50	17		M16x50	5/8-11 UNC x 2
35	35	102	4	BFX-310-ST-115,5/99	99	115,5	27,5	147	163	77,8	130,2	50	17		M16x50	5/8-11 UNC x 2
35	35	127	5	BFX-311-ST-140,2/120	120	140,2	28	180	184	92	152,4	50	17		M16x55	5/8-11 UNC x 2-1/4

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	ØB	D	F	G	H	I	L	ØK		Metr.	UNC
350	400	13	1/2	BFX-601-ST-21,6/13	13	21,6	16,5	47	57	18,2	40,5	36	8,7		M8x30	5/16-18 UNC x 1-1/4
350	400	13	1/2	BFX-601-ST-17,5/13	13	17,5	16,5	47	57	18,2	40,5	36	8,7		M8x30	5/16-18 UNC x 1-1/4
350	400	19	3/4	BFX-602-ST-28/19	19	28	19,5	54	72	23,8	50,8	36	10,5		M10x35	3/8-16 UNC x 1-1/2
350	400	25	1	BFX-603-ST-34/25	25	34	24,5	68	82	27,8	57,2	41	13		M12x45	7/16-14 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-ST-42,8/32	32	42,8	27,5	79	95	31,8	66,6	44	13,5		M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-ST-42,8/32-M14	32	42,8	27,5	79	95	31,8	66,6	44	15		M14x45	
350	400	32	1-1/4	BFX-604-ST-42,8/29 (Sch 160)	29	42,8	27,5	79	95	31,8	66,6	44	13,5		M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-ST-42,8/29-M14	29	42,8	27,5	79	95	31,8	66,6	44	15		M14x45	
350	400	38	1-1/2	BFX-605-ST-48,6/38	38	48,6	31	88	108	36,5	79,3	51	17		M16x55	5/8-11 UNC x 2-1/4
350	400	38	1-1/2	BFX-605-ST-48,6/32 (Sch 160)	32	48,6	31	88	108	36,5	79,3	51	17		M16x55	5/8-11 UNC x 2-1/4
350	400	51	2	BFX-606-ST-61/51	51	61	37	118	137	44,5	96,8	70	21		M20x70	3/4-10 UNC x 2-3/4
350	400	51	2	BFX-606-ST-61/43 (Sch 160)	43	61	37	118	137	44,5	96,8	70	21		M20x70	3/4-10 UNC x 2-3/4
350	400	64	2-1/2	BFX-607-ST-76,1/51	51	76,1	45	150	180	58,7	123,8	80	26		M24x80	
350	400	64	2-1/2	BFX-607-ST-90/60 (Sch XXS)	60	90	45	150	180	58,7	123,8	80	26		M24x80	

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

² For UNC threaded bolts, use hexagon head bolts only. Please note that these do not belong to our product range.

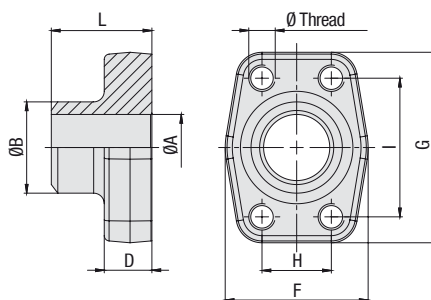
³ Alternative options shown in brackets are available on request.

SAE Single-Part Butt Weld Counterflange for High Pressure Tubes (Schedule 80/160/XXS)

BAS-ST

Order Codes

- ★ SAE Single-Part Butt Weld Counterflange **BAS-...-ST-**-****
- ★ For UNC bolts **BAS-...-STU-**-****
- ★ For deviant Metric bolts (M14) **BAS-...-STM14-**-****



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)								Ø Thread	
8.8	10.9 (MH)	DN	(in)		ØA	ØB	D	F	G	H	I	L	Metr. ³	UNC
350	350	13	1/2	BAS-301-ST-21,6/13	13	21,6	16	47	57	17,5	38,1	36	M8	5/16-18 UNC
350	350	13	1/2	BAS-301-ST-17,5/13	13	17,5	16	47	57	17,5	38,1	36	M8	5/16-18 UNC
350	350	19	3/4	BAS-302-ST-27,2/19	19	27,2	18	50	67	22,3	47,6	36	M10	3/8-16 UNC
250	315	25	1	BAS-303-ST-34/25	25	34	18	54	72	26,2	52,4	38	M10 (M12)	7/16-14 UNC
200	250	32	1-1/4	BAS-304-ST-42,8/32	32	42,8	21	68	82	30,2	58,7	41	M10 (M12)	7/16-14 UNC
200	200	38	1-1/2	BAS-305-ST-48,6/38	38	48,6	25	79	96	35,7	69,9	44	M12 (M14)	1/2-13 UNC
160	200	51	2	BAS-306-ST-61/51	51	61	25,5	88	102	42,9	77,8	45	M12 (M14)	1/2-13 UNC
100	160	64	2-1/2	BAS-307-ST-77/63	63	77	26	101	115	50,8	88,9	50	M12 (M14)	1/2-13 UNC
100	160	76	3	BAS-308-ST-92/73	73	92	27,5	127	137	61,9	106,4	50	M16	5/8-11 UNC
35	35	89	3-1/2	BAS-309-ST-103/89	89	103	27,5	138	155	69,9	120,7	50	M16	5/8-11 UNC
35	35	102	4	BAS-310-ST-115,5/99	99	115,5	27,5	147	163	77,8	130,2	50	M16	5/8-11 UNC
35	35	127	5	BAS-311-ST-140,2/120	120	140,2	28	180	184	92	152,4	50	M16	5/8-11 UNC

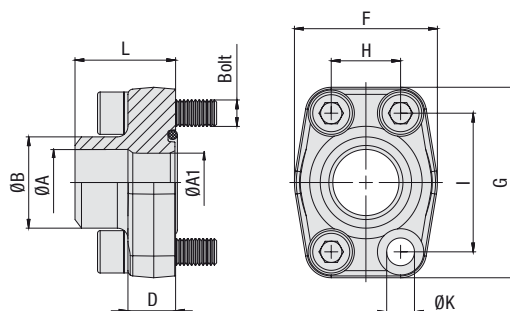
6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)								Ø Thread	
8.8	10.9 (MH)	DN	(in)		ØA	ØB	D	F	G	H	I	L	Metr.	UNC
350	400	13	1/2	BAS-601-ST-21,6/13	13	21,6	16,5	47	57	18,2	40,5	36	M8	5/16-18 UNC
350	400	13	1/2	BAS-601-ST-17,5/13	13	17,5	16,5	47	57	18,2	40,5	36	M8	5/16-18 UNC
350	400	19	3/4	BAS-602-ST-28/19	19	28	19,5	54	72	23,8	50,8	36	M10	3/8-16 UNC
350	400	25	1	BAS-603-ST-34/25	25	34	24,5	68	82	27,8	57,2	41	M12	1/2-13 UNC
350	400	32	1-1/4	BAS-604-ST-42,8/32	32	42,8	27,5	79	95	31,8	66,6	44	M12	1/2-13 UNC
350	400	32	1-1/4	BAS-604-STM14-42,8/32	32	42,8	27,5	79	95	31,8	66,6	44	M14	
350	400	32	1-1/4	BAS-604-ST-42,8/29 (Sch 160)	29	42,8	27,5	79	95	31,8	66,6	44	M12	1/2-13 UNC
350	400	32	1-1/4	BAS-604-STM14-42,8/29	29	42,8	27,5	79	95	31,8	66,6	44	M14	
350	400	38	1-1/2	BAS-605-ST-48,6/38	38	48,3	31	88	108	36,5	79,3	51	M16	5/8-11 UNC
350	400	38	1-1/2	BAS-605-ST-48,6/32 (Sch 160)	32	48,3	31	88	108	36,5	79,3	51	M16	5/8-11 UNC
350	400	51	2	BAS-606-ST-61/51	51	61	37	118	137	44,5	96,8	70	M20	3/4-10 UNC
350	400	51	2	BAS-606-ST-61/43 (Sch 160)	43	61	37	118	137	44,5	96,8	70	M20	3/4-10 UNC
350	400	64	2-1/2	BAS-607-ST-76,1/51	51	76,1	45	150	180	58,7	123,8	80	M24	
350	400	64	2-1/2	BAS-607-ST-90/60,5 (Sch XXS)	60,5	90	45	150	180	58,7	123,8	80	M24	

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

³ Alternative options shown in brackets are available on request.

SAE Single-Part Butt Weld Flange for Low Pressure Tubes (Schedule 40) BFX-STRE



Order Codes

- ★ SAE Single-Part Butt Weld Flange (without O-ring) **BFX-...-STRE-**-****
- ★ Including Metric bolts 8.8, **BFX-...-STRE-**-**#K**
spring rings, O-ring made of NBR (Buna-N®)
(packed in kits)
- ★ Incl. Metric bolts 10.9, **BFX-...-STRE-**-**/MH#K**
spring rings, O-ring made of NBR (Buna-N®)
(packed in kits)
- ★ Incl. UNC bolts (Gr8), **BFX-...-STRE-**-**/V-U#K**
spring rings, O-ring made of FPM (Viton®)
(packed in kits)

Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "-W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)											for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	ØA1	ØB	D	F	G	H	I	L	ØK ³		Metr. ³	UNC
350	350	13	1/2	BFX-301-STRE-22/16	16	13	22	16	47	57	17,5	38,1	36	8,7		M8x30	5/16-18 UNC x 1-1/4
350	350	19	3/4	BFX-302-STRE-28/21,5	21,5	19	28	18	50	67	22,3	47,6	36	10,5		M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX-303-STRE-35/27	27	25	35	18	54	72	26,2	52,4	38	10,5		M10x35	3/8-16 UNC x 1-1/2
200	250	32	1-1/4	BFX-304-STRE-43/36	36	31	43	21	68	82	30,2	58,7	41	11,7 (13,5)		M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	200	38	1-1/2	BFX-305-STRE-49/42	42	38	49	25	79	96	35,7	69,9	44	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
160	200	51	2	BFX-306-STRE-49/42	42	42	49	25,5	88	102	42,9	77,8	45	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
160	200	51	2	BFX-306-STRE-61/53	53	49	61	25,5	88	102	42,9	77,8	45	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
100	160	64	2-1/2	BFX-307-STRE-61/53	53	53	61	26	101	115	50,8	88,9	50	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
100	160	64	2-1/2	BFX-307-STRE-77/70	70	62	77	26	101	115	50,8	88,9	50	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
100	160	76	3	BFX-308-STRE-90/82	82	74	90	27,5	127	137	61,9	106,4	50	17		M16x50	5/8-11 UNC x 2
35	35	89	3-1/2	BFX-309-STRE-90/82	82	82	90	27,5	138	155	69,9	120,7	50	17		M16x50	5/8-11 UNC x 2
35	35	89	3-1/2	BFX-309-STRE-77/70	70	70	77	27,5	138	155	69,9	120,7	50	17		M16x50	5/8-11 UNC x 2
35	35	102	4	BFX-310-STRE-90/82	82	82	90	27,5	147	163	77,8	130,2	50	17		M16x50	5/8-11 UNC x 2
35	35	102	4	BFX-310-STRE-115/107	107	102	115	27,5	147	163	77,8	130,2	50	17		M16x50	5/8-11 UNC x 2
35	35	127	5	BFX-311-STRE-140/131	131	120	140,2	28	180	184	92	152,4	50	17		M16x55	5/8-11 UNC x 2-1/4

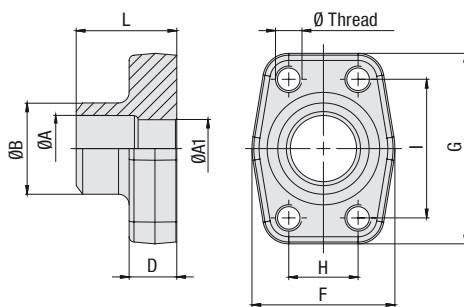
¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

³ Alternative options shown in brackets are available on request.

SAE Single-Part Butt Weld Counterflange for Low Pressure Tubes (Schedule 40) BAS-STRE

Order Codes

- ★ SAE Single-Part Butt Weld Counterflange **BAS-...-STRE-**-****
- ★ For UNC bolts **BAS-...-STREU-**-****
- ★ For deviant Metric bolts (M14) **BAS-...-STREM14-**-****



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "W5" on request

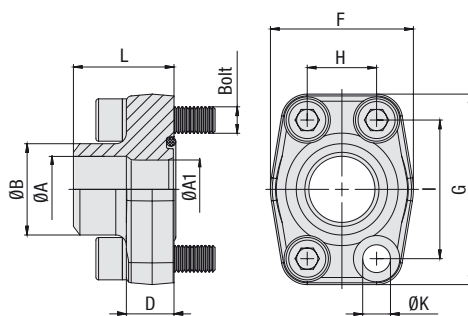
3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										Ø Thread	
					ØA	ØA1	ØB	D	F	G	H	I	L		Metr. ³	UNC
8.8	10.9 (MH)	DN	(in)													
350	350	13	1/2	BAS-301-STRE-22/16	16	13	22	16	47	57	17,5	38,1	36		M8	5/16-18 UNC
350	350	19	3/4	BAS-302-STRE-28/21,5	21,5	19	28	18	50	67	22,3	47,6	36		M10	3/8-16 UNC
250	315	25	1	BAS-303-STRE-35/27	27	25	35	18	54	72	26,2	52,4	38		M10	3/8-16 UNC
200	250	32	1-1/4	BAS-304-STRE-43/36	36	31	43	21	68	82	30,2	58,7	41		M10 (M12)	7/16-14 UNC
200	200	38	1-1/2	BAS-305-STRE-49/42	42	38	49	25	79	96	35,7	69,9	44		M12 (M14)	1/2-13 UNC
160	200	51	2	BAS-306-STRE-49/42	42	42	49	25,5	88	102	42,9	77,8	45		M12 (M14)	1/2-13 UNC
160	200	51	2	BAS-306-STRE-61/53	53	49	61	25,5	88	102	42,9	77,8	45		M12 (M14)	1/2-13 UNC
100	160	64	2-1/2	BAS-307-STRE-61/53	53	53	61	26	101	115	50,8	88,9	50		M12 (M14)	1/2-13 UNC
100	160	64	2-1/2	BAS-307-STRE-77/70	70	62	77	26	101	115	50,8	88,9	50		M12 (M14)	1/2-13 UNC
100	160	76	3	BAS-308-STRE-90/82	82	74	90	27,5	127	137	61,9	106,4	50		M16	5/8-11 UNC
35	35	89	3-1/2	BAS-309-STRE-90/82	82	82	90	27,5	138	155	69,9	120,7	50		M16	5/8-11 UNC
35	35	89	3-1/2	BAS-309-STRE-77/70	70	70	77	27,5	138	155	69,9	120,7	50		M16	5/8-11 UNC
35	35	102	4	BAS-310-STRE-90/82	82	82	90	27,5	147	163	77,8	130,2	50		M16	5/8-11 UNC
35	35	102	4	BAS-310-STRE-115/107	107	102	115	27,5	147	163	77,8	130,2	50		M16	5/8-11 UNC
35	35	127	5	BAS-311-STRE-140/131	131	120	140,2	28	180	184	92	152,4	50		M16	5/8-11 UNC

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

³ Alternative options shown in brackets are available on request.

SAE Single-Part Butt Weld Flange for Metric Tubes BFX-SRE



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "W5" on request

Order Codes

- ★ SAE Single-Part Butt Weld Flange (without O-ring) **BFX-...-SRE-**-****
- ★ Including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-SRE-**-**/K**
- ★ Incl. Metric bolts 10.9, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-SRE-**-**/MH#K**
- ★ Incl. UNC bolts (Gr8), spring rings, O-ring made of FPM (Viton®) (packed in kits) **BFX-...-SRE-**-**/V-U#K**

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)											for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	ØA1	ØB	D	F	G	H	I	L	ØK ³		Metr. ³	UNC
350	350	13	1/2	BFX-301-SRE-20/14	14	14	20	16	47	57	17,5	38,1	36	8,7		M8x30	5/16-18 UNC x 1-1/4
350	350	13	1/2	BFX-301-SRE-22/16	16	13	22	16	47	57	17,5	38,1	36	8,7		M8x30	5/16-18 UNC x 1-1/4
350	350	19	3/4	BFX-302-SRE-25/19	19	19	25	18	50	67	22,3	47,6	36	10,5		M10x35	3/8-16 UNC x 1-1/2
350	350	19	3/4	BFX-302-SRE-28/21,5	21,5	19	28	18	50	67	22,3	47,6	36	10,5		M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX-303-SRE-30/22	22	22	30	18	54	72	26,2	52,4	38	10,5		M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX-303-SRE-35/27	27	25	35	18	54	72	26,2	52,4	38	10,5		M10x35	3/8-16 UNC x 1-1/2
200	250	32	1-1/4	BFX-304-SRE-38/30	30	30	38	21	68	82	30,2	58,7	41	11,7 (13,5)		M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	250	32	1-1/4	BFX-304-SRE-43/36	36	31	43	21	68	82	30,2	58,7	41	11,7 (13,5)		M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	200	38	1-1/2	BFX-305-SRE-38/30	30	30	38	25	79	96	35,7	69,9	44	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
200	200	38	1-1/2	BFX-305-SRE-42/36	36	36	42	25	79	96	35,7	69,9	44	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
200	200	38	1-1/2	BFX-305-SRE-49/38	38	38	49	25	79	96	35,7	69,9	44	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
160	200	51	2	BFX-306-SRE-61/49	49	49	61	25,5	88	102	42,9	77,8	45	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
100	160	64	2-1/2	BFX-307-SRE-77/62	62	62	77	26	101	115	50,8	88,9	50	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
100	160	76	3	BFX-308-SRE-77/62	62	62	77	27,5	127	137	61,9	106,4	50	17		M16x50	5/8-11 UNC x 2

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)											for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	ØA1	ØB	D	F	G	H	I	L	ØK		Metr.	UNC
350	400	13	1/2	BFX-601-SRE-20/14	14	14	20	16,5	47	57	18,2	40,5	36	8,7		M8x30	5/16-18 UNC x 1-1/4
350	400	19	3/4	BFX-602-SRE-20/14	14	14	20	19,5	54	72	23,8	50,8	36	10,5		M10x35	3/8-16 UNC x 1-1/2
350	400	19	3/4	BFX-602-SRE-25/17	17	17	25	19,5	54	72	23,8	50,8	36	10,5		M10x35	3/8-16 UNC x 1-1/2
350	400	25	1	BFX-603-SRE-25/17	17	17	25	24,5	68	82	27,8	57,2	44	13		M12x45	7/16-14 UNC x 1-3/4
350	400	25	1	BFX-603-SRE-30/22	22	22	30	24,5	68	82	27,8	57,2	44	13		M12x45	7/16-14 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-SRE-30/22	22	22	30	27,5	79	95	31,6	66,6	44	13,5		M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-SRE-30/22-M14	22	22	30	27,5	79	95	31,6	66,6	44	15		M14x45	
350	400	32	1-1/4	BFX-604-SRE-38/26	26	26	38	27,5	79	95	31,6	66,6	44	13,5		M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-SRE-38/26-M14	26	26	38	27,5	79	95	31,6	66,6	44	15		M14x45	
350	400	38	1-1/2	BFX-605-SRE-38/26	26	26	38	28	88	108	36,5	79,3	56	17		M16x55	5/8-11 UNC x 2-1/4
350	400	38	1-1/2	BFX-605-SRE-49/32	32	32	49	28	88	108	36,5	79,3	56	17		M16x55	5/8-11 UNC x 2-1/4
350	400	38	1-1/2	BFX-605-SRE-61/40	40	40	61	28	88	108	36,5	79,3	56	17		M16x55	5/8-11 UNC x 2-1/4
350	400	51	2	BFX-606-SRE-61/40	40	40	61	37	118	137	44,5	96,8	70	21		M20x70	3/4-10 UNC x 2-3/4
350	400	51	2	BFX-606-SRE-76/50	50	48	76	28	118	137	44,5	96,8	80	21		M20x55	3/4-10 UNC x 2-1/4

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

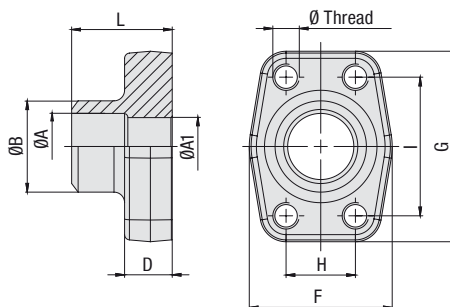
² For UNC threaded bolts, use hexagon head bolts only. Please note that these do not belong to our product range.

³ Alternative options shown in brackets are available on request.

SAE Single-Part Butt Weld Counterflange for Metric Tubes BAS-SRE

Order Codes

- * SAE Single-Part Butt Weld Counterflange **BAS-...-SRE-**-****
- * For UNC bolts **BAS-...-SREU-**-****
- * For deviant Metric bolts (M14) **BAS-...-SREM14-**-****



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										Ø Thread	
8.8	10.9 (MH)	DN	(in)		ØA	ØA1	ØB	D	F	G	H	I	L		Metr. ³	UNC
350	350	13	1/2	BAS-301-SRE-20/14	14	14	20	16	47	57	17,5	38,1	36		M8	5/16-18 UNC
350	350	13	1/2	BAS-301-SRE-22/16	16	13	22	16	47	57	17,5	38,1	36		M8	5/16-18 UNC
350	350	19	3/4	BAS-302-SRE-25/19	19	19	25	18	50	67	22,3	47,6	36		M10	3/8-16 UNC
350	350	19	3/4	BAS-302-SRE-28/21,5	21,5	19	28	18	50	67	22,3	47,6	36		M10	3/8-16 UNC
250	315	25	1	BAS-303-SRE-30/22	22	22	30	18	54	72	26,2	52,4	38		M10	3/8-16 UNC
250	315	25	1	BAS-303-SRE-35/27	27	25	35	18	54	72	26,2	52,4	38		M10	3/8-16 UNC
200	250	32	1-1/4	BAS-304-SRE-38/30	30	30	38	21	68	82	30,2	58,7	41		M10 (M12)	7/16-14 UNC
200	250	32	1-1/4	BAS-304-SRE-43/36	36	31	43	21	68	82	30,2	58,7	41		M10 (M12)	7/16-14 UNC
200	200	38	1-1/2	BAS-305-SRE-38/30	30	30	38	25	79	96	35,7	69,9	44		M12 (M14)	1/2-13 UNC
200	200	38	1-1/2	BAS-305-SRE-42/36	36	36	42	25	79	96	35,7	69,9	44		M12 (M14)	1/2-13 UNC
200	200	38	1-1/2	BAS-305-SRE-49/38	38	38	49	25	79	96	35,7	69,9	44		M12 (M14)	1/2-13 UNC
160	200	51	2	BAS-306-SRE-61/49	49	49	61	25,5	88	102	42,9	77,8	45		M12 (M14)	1/2-13 UNC
100	160	64	2-1/2	BAS-307-SRE-77/62	62	62	77	26	101	115	50,8	88,9	50		M12 (M14)	1/2-13 UNC
100	160	76	3	BAS-308-SRE-77/62	62	62	77	27,5	127	137	61,9	106,4	50		M16	5/8-11 UNC

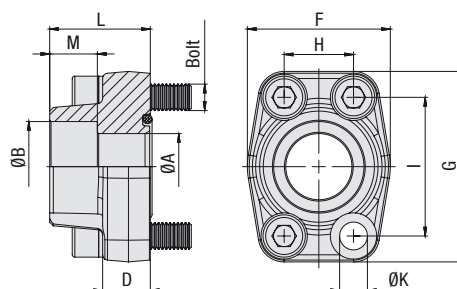
6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										Ø Thread	
8.8	10.9 (MH)	DN	(in)		ØA	ØA1	ØB	D	F	G	H	I	L		Metr.	UNC
350	400	13	1/2	BAS-601-SRE-20/14	14	14	20	16,5	47	57	18,2	40,5	36		M8	5/16-18 UNC
350	400	19	3/4	BAS-602-SRE-20/14	14	14	20	19,5	54	72	23,8	50,8	36		M10	3/8-16 UNC
350	400	19	3/4	BAS-602-SRE-25/17	17	17	25	19,5	54	72	23,8	50,8	36		M10	3/8-16 UNC
350	400	25	1	BAS-603-SRE-25/17	17	17	25	24,5	68	82	27,8	57,2	44		M12	7/16-14 UNC
350	400	25	1	BAS-603-SRE-30/22	22	22	30	24,5	68	82	27,8	57,2	44		M12	7/16-14 UNC
350	400	32	1-1/4	BAS-604-SRE-30/22	22	22	30	27,5	79	95	31,6	66,6	44		M12	1/2-13 UNC
350	400	32	1-1/4	BAS-604-SREM14-30/22	22	22	30	27,5	79	95	31,6	66,6	44		M14	
350	400	32	1-1/4	BAS-604-SRE-38/26	26	26	38	27,5	79	95	31,6	66,6	44		M12	1/2-13 UNC
350	400	32	1-1/4	BAS-604-SREM14-38/26	26	26	38	27,5	79	95	31,6	66,6	44		M14	
350	400	38	1-1/2	BAS-605-SRE-38/26	26	26	38	28	88	108	36,5	79,3	56		M16	5/8-11 UNC
350	400	38	1-1/2	BAS-605-SRE-49/32	32	32	49	28	88	108	36,5	79,3	56		M16	5/8-11 UNC
350	400	38	1-1/2	BAS-605-SRE-61/40	40	40	61	28	88	108	36,5	79,3	56		M16	5/8-11 UNC
350	400	51	2	BAS-606-SRE-61/40	40	40	61	37	118	137	44,5	96,8	70		M20	3/4-10 UNC
350	400	51	2	BAS-606-SRE-76/50	50	48	76	28	118	137	44,5	96,8	80		M20	3/4-10 UNC

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

³ Alternative options shown in brackets are available on request.

SAE Single-Part Socket Weld Flange BFX-ES



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "W5" on request

Order Codes

- ★ SAE Single-Part Socket Weld Flange (without O-ring) **BFX-...-ES-**-****
- ★ Including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-ES-**-**#K**
- ★ Incl. Metric bolts 10.9, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-ES-**-**#MH#K**
- ★ Including UNC bolts (Gr8), spring rings, O-ring made of FPM (Viton®) (packed in kits) **BFX-...-ES-**-**#V-U#K**

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	ØB	D	F	G	H	I	L	M	ØK ³	Metr. ³	UNC
350	350	13	1/2	BFX-301-ES-21,6/13	13	21,6	16	47	57	17,5	38,1	36	18	8,7	M8x30	5/16-18 UNC x 1-1/4
350	350	13	1/2	BFX-301-ES-17,5/13	13	17,5	16	47	57	17,5	38,1	36	18	8,7	M8x30	5/16-18 UNC x 1-1/4
350	350	13	1/2	BFX-301-ES-20,3/13	13	20,3	16	47	57	17,5	38,1	36	18	8,7	M8x30	5/16-18 UNC x 1-1/4
350	350	19	3/4	BFX-302-ES-27,2/19	19	27,2	18	50	67	22,3	47,6	36	18	10,5	M10x35	3/8-16 UNC x 1-1/2
350	350	19	3/4	BFX-302-ES-25,3/19	19	25,3	18	50	67	22,3	47,6	36	18	10,5	M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX-303-ES-34/25	25	34	18	54	72	26,2	52,4	38	18	10,5	M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX-303-ES-30,3/25	25	30,3	18	54	72	26,2	52,4	38	18	10,5	M10x35	3/8-16 UNC x 1-1/2
200	250	32	1-1/4	BFX-304-ES-42,8/32	32	42,8	21	68	82	30,2	58,7	41	20	11,7 (13,5)	M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	250	32	1-1/4	BFX-304-ES-38,3/32	32	38,3	21	68	82	30,2	58,7	41	20	11,7 (13,5)	M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	200	38	1-1/2	BFX-305-ES-48,6/38	38	48,6	25	79	96	35,7	69,9	44	22	13,5 (14,5)	M12x45 (M14x45)	1/2-13 UNC x 1-3/4
200	200	38	1-1/2	BFX-305-ES-50,5/38	38	50,5	25	79	96	35,7	69,9	44	22	13,5 (14,5)	M12x45 (M14x45)	1/2-13 UNC x 1-3/4
160	200	51	2	BFX-306-ES-61/51	51	61	25,5	88	102	42,9	77,8	45	24	13,5 (14,5)	M12x45 (M14x45)	1/2-13 UNC x 1-3/4
100	160	64	2-1/2	BFX-307-ES-76,6/63	63	76,6	26	101	115	50,8	88,9	50	28	13,5 (14,5)	M12x45 (M14x45)	1/2-13 UNC x 1-3/4
100	100	76	3	BFX-308-ES-90,5/73	73	90,5	27,5	127	137	61,9	106,4	50	28	17	M16x50	5/8-11 UNC x 2
35	35	89	3-1/2	BFX-309-ES-103/89	89	103	27,5	138	155	69,9	120,7	50	30	17	M16x50	5/8-11 UNC x 2
35	35	102	4	BFX-310-ES-115,5/99	99	115,5	27,5	147	163	77,8	130,2	50	30	17	M16x50	5/8-11 UNC x 2
35	35	127	5	BFX-311-ES-142/120	120	142	28	180	184	92,1	152,4	50	30	17	M16x55	5/8-11 UNC x 2-1/4

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	ØB	D	F	G	H	I	L	M	ØK	Metr.	UNC
350	400	13	1/2	BFX-601-ES-21,6/13	13	21,6	16,5	47	57	18,2	40,5	36	18	8,7	M8x30	5/16–18 UNC x 1-1/4
350	400	13	1/2	BFX-601-ES-17,5/13	13	17,5	16,5	47	57	18,2	40,5	36	18	8,7	M8x30	5/16–18 UNC x 1-1/4
350	400	13	1/2	BFX-601-ES-20,3/13	13	20,3	16,5	47	57	18,2	40,5	36	18	8,7	M8x30	5/16–18 UNC x 1-1/4
350	400	19	3/4	BFX-602-ES-27,2/19	19	27,2	19,5	54	72	23,8	50,8	36	20	10,5	M10x35	3/8–16 UNC x 1-1/2
350	400	19	3/4	BFX-602-ES-25,3/19	19	25,3	19,5	54	72	23,8	50,8	36	20	10,5	M10x35	3/8–16 UNC x 1-1/2
350	400	25	1	BFX-603-ES-34/25	25	34	24,5	68	82	27,8	57,2	44	22	13	M12x45	7/16–14 UNC x 1-3/4
350	400	25	1	BFX-603-ES-30,3/25	25	30,3	24,5	68	82	27,8	57,2	44	22	13	M12x45	7/16–14 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-ES-42,8/32	32	42,8	27,5	79	95	31,8	66,6	44	22	13,5	M12x45	1/2–13 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-ES-42,8/32-M14	32	42,8	27,5	79	95	31,8	66,6	44	22	15	M14x45	
350	400	32	1-1/4	BFX-604-ES-38,3/32	32	38,3	27,5	79	95	31,8	66,6	44	22	13,5	M12x45	1/2–13 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-ES-38,3/32-M14	32	38,3	27,5	79	95	31,8	66,6	44	22	15	M14x45	
350	400	38	1-1/2	BFX-605-ES-48,6/38	38	48,6	31	88	108	36,5	79,3	51	24	17	M16x55	5/8–11 UNC x 2-1/4
350	400	38	1-1/2	BFX-605-ES-50,5/38	38	50,5	31	88	108	36,5	79,3	51	24	17	M16x55	5/8–11 UNC x 2-1/4
350	400	51	2	BFX-606-ES-61/51	51	61	37	118	137	44,5	96,8	70	33	21	M20x70	3/4–10 UNC x 2-3/4
350	400	64	2-1/2	BFX-607-ES-76,6/63	63	76,6	45	152	180	58,7	123,8	80	32	26	M24x80	
350	400	76	3	BFX-608-ES-90,5/73	73	90,5	55	178	208	71,4	152,4	90	30	33	M30x100	

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

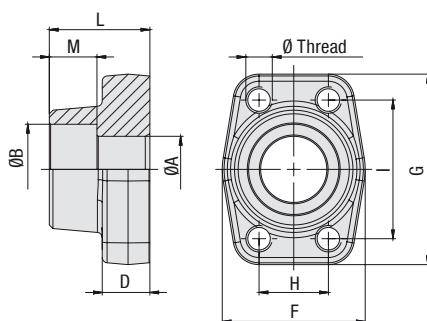
² For UNC threaded bolts, use hexagon head bolts only. Please note that these do not belong to our product range.

³ Alternative options shown in brackets are available on request.

SAE Single-Part Socket Weld Counterflange BAS-ES

Order Codes

- ★ SAE Single-Part Socket Weld Counterflange **BAS-...-ES-**-****
- ★ For UNC bolts **BAS-...-ESU-**-****
- ★ For deviant Metric bolts (M14) **BAS-...-ESM14-**-****



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										Ø Thread	
8.8	10.9 (MH)	DN	(in)		ØA	ØB	D	F	G	H	I	L	M		Metr. ³	UNC
350	350	13	1/2	BAS-301-ES-21,6/13	13	21,6	16	47	57	17,5	38,1	36	18		M8	5/16-18 UNC
350	350	13	1/2	BAS-301-ES-17,5/13	13	17,5	16	47	57	17,5	38,1	36	18		M8	5/16-18 UNC
350	350	13	1/2	BAS-301-ES-20,3/13	13	20,3	16	47	57	17,5	38,1	36	18		M8	5/16-18 UNC
350	350	19	3/4	BAS-302-ES-27,2/19	19	27,2	18	50	67	22,3	47,6	36	18		M10	3/8-16 UNC
350	350	19	3/4	BAS-302-ES-25,3/19	19	25,3	18	50	67	22,3	47,6	36	18		M10	3/8-16 UNC
250	315	25	1	BAS-303-ES-34/25	25	34	18	54	72	26,2	52,4	38	18		M10	3/8-16 UNC
250	315	25	1	BAS-303-ES-30,3/25	25	30,3	18	54	72	26,2	52,4	38	18		M10	3/8-16 UNC
200	250	32	1-1/4	BAS-304-ES-42,8/32	32	42,8	21	68	82	30,2	58,7	41	20		M10 (M12)	7/16-14 UNC
200	250	32	1-1/4	BAS-304-ES-38,3/32	32	38,3	21	68	82	30,2	58,7	41	20		M10 (M12)	7/16-14 UNC
200	200	38	1-1/2	BAS-305-ES-48,6/38	38	48,6	25	79	96	35,7	69,9	44	22		M12 (M14)	1/2-13 UNC
200	200	38	1-1/2	BAS-305-ES-50,5/38	38	50,5	25	79	96	35,7	69,9	44	22		M12 (M14)	1/2-13 UNC
160	200	51	2	BAS-306-ES-61/51	51	61	25,5	88	102	42,9	77,8	45	24		M12 (M14)	1/2-13 UNC
100	160	64	2-1/2	BAS-307-ES-76,6/63	63	76,6	26	101	115	50,8	88,9	50	28		M12 (M14)	1/2-13 UNC
100	100	76	3	BAS-308-ES-90,5/73	73	90,5	27,5	127	137	61,9	106,4	50	28		M16	5/8-11 UNC
35	35	89	3-1/2	BAS-309-ES-103/89	89	103	27,5	138	155	69,9	120,7	50	30		M16	5/8-11 UNC
35	35	102	4	BAS-310-ES-115,5/99	99	115,5	27,5	147	163	77,8	130,2	50	30		M16	5/8-11 UNC
35	35	127	5	BAS-311-ES-142/120	120	142	28	180	184	92,1	152,4	50	30		M16	5/8-11 UNC

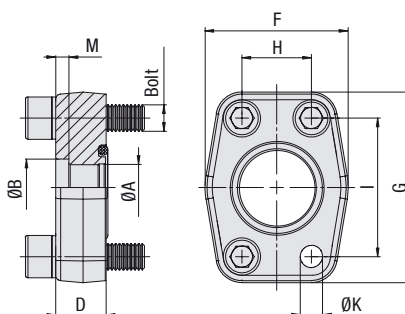
6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										Ø Thread	
8.8	10.9 (MH)	DN	(in)		ØA	ØB	D	F	G	H	I	L	M		Metr.	UNC
350	400	13	1/2	BAS-601-ES-21,6/13	13	21,6	16,5	47	57	18,2	40,5	36	18		M8	5/16-18 UNC
350	400	13	1/2	BAS-601-ES-17,5/13	13	17,5	16,5	47	57	18,2	40,5	36	18		M8	5/16-18 UNC
350	400	13	1/2	BAS-601-ES-20,3/13	13	20,3	16,5	47	57	18,2	40,5	36	18		M8	5/16-18 UNC
350	400	19	3/4	BAS-602-ES-27,2/19	19	27,2	19,5	54	72	23,8	50,8	36	20		M10	3/8-16 UNC
350	400	19	3/4	BAS-602-ES-25,3/19	19	25,3	19,5	54	72	23,8	50,8	36	20		M10	3/8-16 UNC
350	400	25	1	BAS-603-ES-34/25	25	34	24,5	68	82	27,8	57,2	44	22		M12	7/16-14 UNC
350	400	25	1	BAS-603-ES-30,3/25	25	30,3	24,5	68	82	27,8	57,2	44	22		M12	7/16-14 UNC
350	400	32	1-1/4	BAS-604-ES-42,8/32	32	42,8	27,5	79	95	31,8	66,6	44	22		M12	1/2-13 UNC
350	400	32	1-1/4	BAS-604-ESM14-42,8/32	32	42,8	27,5	79	95	31,8	66,6	44	22		M14	
350	400	32	1-1/4	BAS-604-ES-38,3/32	32	38,3	27,5	79	95	31,8	66,6	44	22		M12	1/2-13 UNC
350	400	32	1-1/4	BAS-604-ESM14-38,3/32	32	38,3	27,5	79	95	31,8	66,6	44	22		M14	
350	400	38	1-1/2	BAS-605-ES-48,6/38	38	48,6	31	88	108	36,5	79,3	51	24		M16	5/8-11 UNC
350	400	38	1-1/2	BAS-605-ES-50,5/38	38	50,5	31	88	108	36,5	79,3	51	24		M16	5/8-11 UNC
350	400	51	2	BAS-606-ES-61/51	51	61	37	118	137	44,5	96,8	70	33		M20	3/4-10 UNC
350	400	64	2-1/2	BAS-607-ES-76,6/63	63	76,6	45	152	180	58,7	123,8	80	32		M24	
350	400	76	3	BAS-608-ES-90,5/73	73	90,5	55	178	208	71,4	152,4	90	30		M30	

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

³ Alternative options shown in brackets are available on request.

SAE Single-Part Socket Weld Flange (Flat Style) BFX-FL-ES



Order Codes

★ SAE Single-Part Socket Weld Flange (Flat Style) (without O-ring) **BFX-FL-...-ES-**-****

★ Including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-FL-...-ES-**-**#K**

Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "-W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

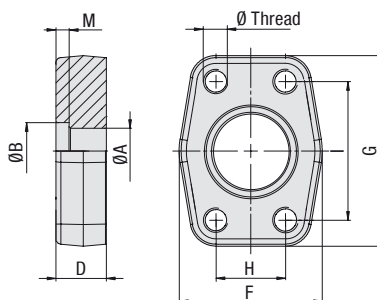
PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)									for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	ØB	D	F	G	H	I	M	ØK	Metr.	
40	40	13	1/2	BFX-FL-301-ES-22,5/15	15	22,5	10	47	57	17,5	38,1	3	8,7	M8x25	
40	40	19	3/4	BFX-FL-302-ES-28,5/20	20	28,5	12	50	67	22,3	47,6	4	10,5	M10x30	
40	40	25	1	BFX-FL-303-ES-35,5/29	29	35,5	12	54	72	26,2	52,4	4	10,5	M10x30	
40	40	32	1-1/4	BFX-FL-304-ES-42,5/34	34	42,5	12	68	82	30,2	58,7	4	11,7	M10x30	
40	40	38	1-1/2	BFX-FL-305-ES-49/42	42	49	15	79	96	35,7	69,9	4	13,5	M12x35	
40	40	51	2	BFX-FL-306-ES-61/53	53	61	15	88	102	42,9	77,8	4	13,5	M12x35	
40	40	64	2-1/2	BFX-FL-307-ES-77/64	64	77	15	101	115	50,8	88,9	4	13,5	M12x35	
40	40	76	3	BFX-FL-308-ES-90/80	80	90	20	127	137	61,9	106,4	5	17	M16x50	
35	35	89	3-1/2	BFX-FL-309-ES-103/93	93	103	20	138	155	69,9	120,7	5	17	M16x50	
35	35	102	4	BFX-FL-310-ES-116/105	105	116	25	147	163	77,8	130,2	6	17	M16x50	
35	35	125	5	BFX-FL-311-ES-141/126	126	141	28	170	190	92,1	152,4	8	17	M16x50	

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

SAE Single-Part Socket Weld Counterflange (Flat Style) BAS-FL-ES

Order Codes

★ SAE Single-Part Socket Weld Counterflange (Flat Style) **BAS-FL-...-ES-★/★**



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "-W5" on request

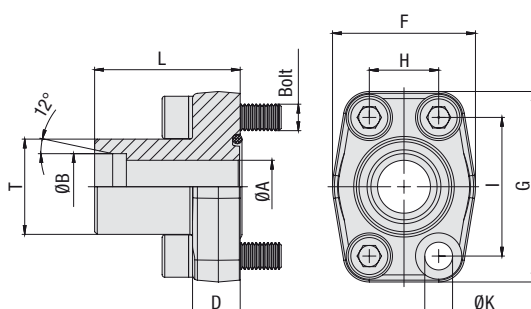
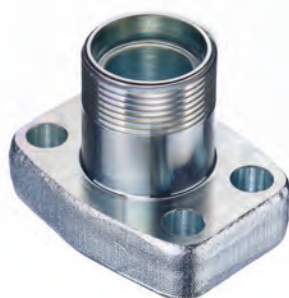
3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)									Ø Thread
8.8	10.9 (MH)	DN	(in)		ØA	ØB	D	F	G	H	I	M	Metr.	
40	40	13	1/2	BAS-FL-301-ES-22,5/15	15	22,5	10	47	57	17,5	38,1	3	M8	
40	40	19	3/4	BAS-FL-302-ES-28,5/20	20	28,5	12	50	67	22,3	47,6	4	M10	
40	40	25	1	BAS-FL-303-ES-35,5/29	29	35,5	12	54	72	26,2	52,4	4	M10	
40	40	32	1-1/4	BAS-FL-304-ES-42,5/34	34	42,5	12	68	82	30,2	58,7	4	M10	
40	40	38	1-1/2	BAS-FL-305-ES-49/42	42	49	15	79	96	35,7	69,9	4	M12	
40	40	51	2	BAS-FL-306-ES-61/53	53	61	15	88	102	42,9	77,8	4	M12	
40	40	64	2-1/2	BAS-FL-307-ES-77/64	64	77	15	101	115	50,8	88,9	4	M12	
40	40	76	3	BAS-FL-308-ES-90/80	80	90	20	127	137	61,9	106,4	5	M16	
35	35	89	3-1/2	BAS-FL-309-ES-103/93	93	103	20	138	155	69,9	120,7	5	M16	
35	35	102	4	BAS-FL-310-ES-116/105	105	116	25	147	163	77,8	130,2	6	M16	
35	35	125	5	BAS-FL-311-ES-141/126	126	141	28	170	190	92,1	152,4	8	M16	

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

SAE Single-Part Fitting Flange with 24° Cone Connector (acc. to ISO 8434-1 / DIN 2353)

BFX-L/S



Order Codes

- ★ SAE Single-Part Fitting Flange (without O-ring) **BFX-...-L**/-S****
- ★ Including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-L**#K**
- ★ Including Metric bolts 10.9, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-L**-MH#K**

Material S355J0 / C45 or equivalent
Surface CrVI-free
Special Material Stainless Steel 1.4404 "W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	ØB	D	F	G	H	I	L	T (Metric)	ØK ³	Metr. ³	
315	315	13	1/2	BFX-301-L15	11	15 L	16	43	57	17,5	38,1	47	22x1,5	8,7	M8x30	
350	350	19	3/4	BFX-302-S20	16	20 S	18	50	67	22,3	47,6	52	30x2	10,5	M10x35	
160	160	19	3/4	BFX-302-L22	19	22 L	18	50	67	22,3	47,6	52	30x2	10,5	M10x35	
250	315	25	1	BFX-303-S20	16	20 S	18	54	72	26,2	52,4	55	30x2	10,5	M10x35	
250	315	25	1	BFX-303-S25	20	25 S	18	54	72	26,2	52,4	55	36x2	10,5	M10x35	
160	160	25	1	BFX-303-L28	23	28 L	18	54	72	26,2	52,4	55	36x2	10,5	M10x35	
200	250	32	1-1/4	BFX-304-S25	20	25 S	21	68	82	30,2	58,7	60	36x2	11,7 (13,5)	M10x40 (M12x40)	
200	250	32	1-1/4	BFX-304-S30	25	30 S	21	68	82	30,2	58,7	60	42x2	11,7 (13,5)	M10x40 (M12x40)	
160	160	32	1-1/4	BFX-304-L35	30	35 L	21	68	82	30,2	58,7	60	45x2	11,7 (13,5)	M10x40 (M12x40)	
200	200	38	1-1/2	BFX-305-S38	32	38 S	25	74	96	35,7	69,9	70	52x2	13,5 (14,5)	M12x45 (M14x45)	
160	160	38	1-1/2	BFX-305-L42	36	42 L	25	74	96	35,7	69,9	70	52x2	13,5 (14,5)	M12x45 (M14x45)	

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	ØB	D	F	G	H	I	L	T (Metric)	ØK	Metr.	
350	400	13	1/2	BFX-601-S16	12	16 S	16	43	57	18,2	40,5	47	24x1,5	8,7	M8x30	
350	400	19	3/4	BFX-602-S16	12	16 S	18	54	72	23,8	50,8	54	24x1,5	10,5	M10x35	
350	400	19	3/4	BFX-602-S20	16	20 S	18	54	72	23,8	50,8	54	30x2	10,5	M10x35	
350	400	19	3/4	BFX-602-S25	18	25 S	18	54	72	23,8	50,8	54	36x2	10,5	M10x35	
350	400	25	1	BFX-603-S20	16	20 S	21	68	82	27,8	57,2	60	30x2	13	M12x40	
350	400	25	1	BFX-603-S25	18	25 S	21	68	82	27,8	57,2	60	36x2	13	M12x40	
350	400	25	1	BFX-603-S30	25	30 S	21	68	82	27,8	57,2	60	42x2	13	M12x40	
350	400	32	1-1/4	BFX-604-S30	25	30 S	24	75	95	31,8	66,6	68	42x2	13,5	M12x45	
350	400	32	1-1/4	BFX-604-S30-M14	25	30 S	24	75	95	31,8	66,6	68	42x2	15	M14x45	
350	350	32	1-1/4	BFX-604-S38	29	38 S	27	75	95	31,8	66,6	92	52x2	13,5	M12x45	
350	350	32	1-1/4	BFX-604-S38-M14	29	38 S	27	75	95	31,8	66,6	92	52x2	15	M14x45	
350	350	38	1-1/2	BFX-605-S38	32	38 S	27	84	108	36,5	79,3	72	52x2	17	M16x50	

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

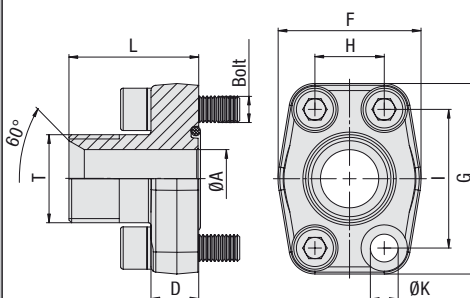
³ Alternative options shown in brackets are available on request.

SAE Single-Part Fitting Flange with BSP 60° Cone Connector (acc. to BS 5200)

BFX-B

Order Codes

- ★ SAE Single-Part Fitting Flange (without O-ring) **BFX-...-B**
- ★ Deviant 60° cone connector **BFX-...-B****
- ★ Including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-B#K**
- ★ Including Metric bolts 10.9, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-B-MH#K**



Material S355J0 / C45 or equivalent
Surface CrVI-free
Special Material Stainless Steel 1.4404 "W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	L	T (BSPP)	ØK ³		Metr. ³	
350	350	13	1/2	BFX-301-B038	10	16	43	57	17,5	38	37	3/8	8,7		M8x30	
350	350	13	1/2	BFX-301-B	12	16	43	57	17,5	38	39	1/2	8,7		M8x30	
350	350	13	1/2	BFX-301-B034	13	16	43	57	17,5	38	42	3/4	8,7		M8x30	
350	350	19	3/4	BFX-302-B012	12	18	50	67	22,3	47,6	42	1/2	10,5		M10x35	
350	350	19	3/4	BFX-302-B	17	18	50	67	22,3	47,6	45	3/4	10,5		M10x35	
350	350	19	3/4	BFX-302-B100	19	18	50	67	22,3	47,6	47	1	10,5		M10x35	
250	315	25	1	BFX-303-B034	17	18	54	72	26,2	52,4	47	3/4	10,5		M10x35	
250	315	25	1	BFX-303-B	22	18	54	72	26,2	52,4	49	1	10,5		M10x35	
250	315	25	1	BFX-303-B114	25	18	54	72	26,2	52,4	49	1-1/4	10,5		M10x35	
200	250	32	1-1/4	BFX-304-B100	22	21	68	82	30,2	58,7	53	1	11,7 (13,5)		M10x40 (M12x40)	
200	250	32	1-1/4	BFX-304-B	27	21	68	82	30,2	58,7	55	1-1/4	11,7 (13,5)		M10x40 (M12x40)	
200	250	32	1-1/4	BFX-304-B112	31	21	68	82	30,2	58,7	55	1-1/2	11,7 (13,5)		M10x40 (M12x40)	
200	200	38	1-1/2	BFX-305-B114	27	24	74	96	35,7	69,9	59	1-1/4	13,5 (14,5)		M12x45 (M14x45)	
200	200	38	1-1/2	BFX-305-B	34	24	74	96	35,7	69,9	61	1-1/2	13,5 (14,5)		M12x45 (M14x45)	
200	200	38	1-1/2	BFX-305-B200	38	24	74	96	35,7	69,9	63	2	13,5 (14,5)		M12x45 (M14x45)	
160	200	51	2	BFX-306-B112	34	25	88	102	42,9	77,8	69	1-1/2	13,5 (14,5)		M12x45 (M14x45)	
160	200	51	2	BFX-306-B	42	25	88	102	42,9	77,8	69	2	13,5 (14,5)		M12x45 (M14x45)	

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

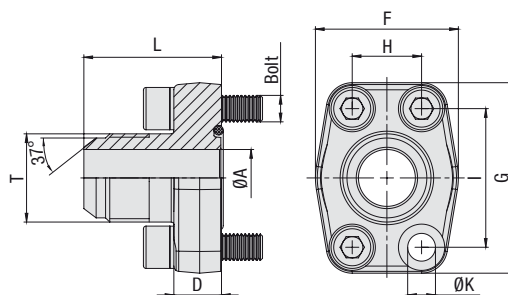
PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	L	T (BSPP)	ØK		Metr.	
350	400	13	1/2	BFX-601-B038	10	16	43	57	18,2	40,5	38	3/8	8,7		M8x30	
350	400	13	1/2	BFX-601-B	12	16	43	57	18,2	40,5	40	1/2	8,7		M8x30	
350	400	13	1/2	BFX-601-B034	13	16	43	57	18,2	40,5	43	3/4	8,7		M8x30	
350	400	19	3/4	BFX-602-B012	12	18	54	72	23,8	50,8	44	1/2	10,5		M10x35	
350	400	19	3/4	BFX-602-B	17	18	54	72	23,8	50,8	47	3/4	10,5		M10x35	
350	400	19	3/4	BFX-602-B100	19	18	54	72	23,8	50,8	49	1	10,5		M10x35	
350	400	25	1	BFX-603-B034	17	21	68	82	27,8	57,2	54	3/4	13		M12x40	
350	400	25	1	BFX-603-B	22	21	68	82	27,8	57,2	56	1	13		M12x40	
350	400	25	1	BFX-603-B114	25	21	68	82	27,8	57,2	56	1-1/4	13		M12x40	
350	400	32	1-1/4	BFX-604-B100	22	24	75	95	31,8	66,6	61	1	13,5		M12x45	
350	400	32	1-1/4	BFX-604-B100-M14	22	24	75	95	31,8	66,6	61	1	15		M14x45	
350	400	32	1-1/4	BFX-604-B	27	24	75	95	31,8	66,6	61	1-1/4	13,5		M12x45	
350	400	32	1-1/4	BFX-604-B-M14	27	24	75	95	31,8	66,6	61	1-1/4	15		M14x45	
350	400	32	1-1/4	BFX-604-B112	31	24	75	95	31,8	66,6	63	1-1/2	13,5		M12x45	
350	400	32	1-1/4	BFX-604-B112-M14	31	24	75	95	31,8	66,6	63	1-1/2	15		M14x45	
350	400	38	1-1/2	BFX-605-B114	27	27	84	108	36,5	79,3	65	1-1/4	17		M16x50	
350	400	38	1-1/2	BFX-605-B	32	27	84	108	36,5	79,3	67	1-1/2	17		M16x50	

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

³ Alternative options shown in brackets are available on request.

SAE Single-Part Fitting Flange with JIC 37° Cone Connector (acc.to ISO 8434-2 / SAE J514)

BFX-J



Order Codes

- ★ SAE Single-Part Fitting Flange (without O-ring) **BFX-...-J****
- ★ Including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-J**#K**
- ★ Including Metric bolts 10.9, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-J**-MH#K**
- ★ Including UNC bolts (Gr8), spring rings, O-ring made of FPM (Viton®) (packed in kits) **BFX-...-J**-V-U#K**

Material S355J0 / C45 or equivalent
Surface CrVI-free
Special Material Stainless Steel 1.4404 "W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)									for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	L	T (UN/UNF)	ØK ³	Metr. ³	UNC
350	350	13	1/2	BFX-301-J3/4	9,9	16	43	57	17,5	38,1	41	3/4-16	8,7	M8x30	5/16-18 UNC x 1-1/4
350	350	13	1/2	BFX-301-J7/8	12,3	16	43	57	17,5	38,1	41	7/8-14	8,7	M8x30	5/16-18 UNC x 1-1/4
350	350	19	3/4	BFX-302-J1-1/16	15,5	18	50	67	22,3	47,6	49	1-1/16-12	10,5	M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX-303-J1-5/16	21,5	18	54	72	26,2	52,4	52	1-5/16-12	10,5	M10x35	3/8-16 UNC x 1-1/2
200	200	32	1-1/4	BFX-304-J1-5/16	21,5	21	68	82	30,2	58,7	56	1-5/16-12	11,7 (13,5)	M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	200	32	1-1/4	BFX-304-J1-5/8	27,5	21	68	82	30,2	58,7	58	1-5/8-12	11,7 (13,5)	M10x40 (M12x40)	7/16-14 UNC x 1-1/2
160	160	38	1-1/2	BFX-305-J1-7/8	33	24	74	96	35,7	69,9	67	1-7/8-12	13,5 (14,5)	M12x45 (M14x45)	7/16-14 UNC x 1-3/4

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)									for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	L	T (UN/UNF)	ØK	Metr.	UNC
350	400	13	1/2	BFX-601-J3/4	9,9	16	43	57	18,2	40,5	42	3/4-16	8,7	M8x30	5/16-18 UNC x 1-1/4
350	400	13	1/2	BFX-601-J7/8	12,3	16	43	57	18,2	40,5	45	7/8-14	8,7	M8x30	5/16-18 UNC x 1-1/4
350	400	19	3/4	BFX-602-J1-1/16	15,5	18	54	72	23,8	50,8	51	1-1/16-12	10,5	M10x35	3/8-16 UNC x 1-1/2
350	400	25	1	BFX-603-J1-5/16	21,5	21	68	82	27,8	57,2	59	1-5/16-12	13	M12x40	7/16-14 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-J1-5/16	21,5	24	75	95	31,6	66,6	64	1-5/16-12	13,5	M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-J1-5/16-M14	21,5	24	75	95	31,6	66,6	64	1-5/16-12	15	M14x45	
350	400	32	1-1/4	BFX-604-J1-5/8	27,5	24	75	95	31,6	66,6	66	1-5/8-12	13,5	M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-J1-5/8-M14	27,5	24	75	95	31,6	66,6	66	1-5/8-12	15	M14x45	
350	400	38	1-1/2	BFX-605-J1-7/8	33	27	84	108	36,5	79,3	73	1-7/8-12	17	M16x50	5/8-11 UNC x 2

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

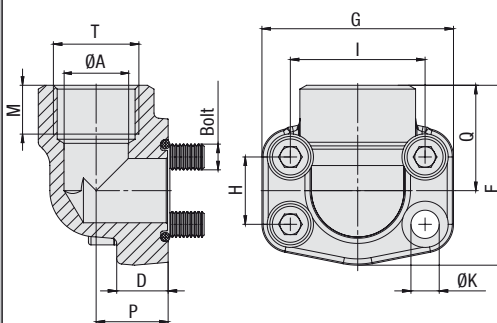
² For UNC threaded bolts, use hexagon head bolts only. Please note that these do not belong to our product range.

³ Alternative options shown in brackets are available on request.

SAE 90° Single-Part Screw-in BSPP Threaded Flange BFX90-G

Order Codes

- ★ SAE 90° Single-Part Screw-in BSPP Threaded Flange (without O-ring) **BFX90-...-G**
- ★ Deviant screw-in BSPP thread, including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX90-...-G-***K**
- ★ Including Metric bolts 10.9, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX90-...-G-MH#K**
- ★ Including UNC bolts (Gr8), spring rings, O-ring made of FPM (Viton®) (packed in kits) **BFX90-...-G-V-U#K**



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)												for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	M	P	Q	T (BSPP)	ØK ³		Metr. ³	UNC
350	350	13	1/2	BFX90-301-G	13	16	60	54	17,5	38,1	19	20	37	1/2	8,7		M8x30	5/16-18 UNC x 1-1/4
350	350	13	1/2	BFX90-301-G038	13	16	60	54	17,5	38,1	19	20	37	3/8	8,7		M8x30	5/16-18 UNC x 1-1/4
350	350	19	3/4	BFX90-302-G	19	18	63	65	22,3	47,6	19	24	38	3/4	10,5		M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX90-303-G	25	19	70	70	26,2	52,4	20	28	43	1	10,5		M10x35	3/8-16 UNC x 1-1/2
200	250	32	1-1/4	BFX90-304-G	32	21	85	79	30,2	58,7	22	34	51	1-1/4	11,7 (13,5)		M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	200	38	1-1/2	BFX90-305-G	38	25	95	93	35,7	69,9	25	38	56	1-1/2	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4
160	200	51	2	BFX90-306-G	51	25	110	110	42,9	77,8	28	42	65	2	13,5 (14,5)		M12x45 (M14x45)	1/2-13 UNC x 1-3/4

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

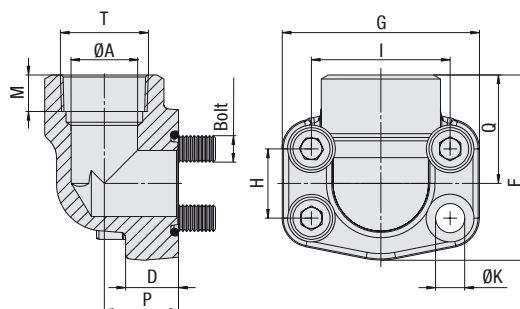
PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)												for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	M	P	Q	T (BSPP)	ØK		Metr.	UNC
350	400	13	1/2	BFX90-601-G	13	16	60	56	18,2	40,5	19	20	37	1/2	8,7		M8x30	5/16-18 UNC x 1-1/4
350	400	13	1/2	BFX90-601-G038	13	16	60	56	18,2	40,5	19	20	37	3/8	8,7		M8x30	5/16-18 UNC x 1-1/4
350	400	19	3/4	BFX90-602-G	19	19	70	72	23,8	50,8	20	28	43	3/4	10,5		M10x35	3/8-16 UNC x 1-1/2
350	400	25	1	BFX90-603-G	25	21	85	79	27,8	57,2	22	34	51	1	13		M12x45	7/16-14 UNC x 1-3/4
350	400	32	1-1/4	BFX90-604-G	32	25	95	93	31,6	66,6	25	38	56	1-1/4	13,5		M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX90-604-G-M14	32	25	95	93	31,6	66,6	25	38	56	1-1/4	15		M14x45	
350	400	38	1-1/2	BFX90-605-G	38	25	110	110	36,5	79,3	28	42	65	1-1/2	17		M16x50	5/8-11 UNC x 2
350	400	51	2	BFX90-606-G	51	35	132	134	44,5	96,8	33	45	75	2	21		M20x70	3/4-10 UNC x 2-3/4

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

² For UNC threaded bolts, use hexagon head bolts only. Please note that these do not belong to our product range.

³ Alternative options shown in brackets are available on request.

SAE 90° Single-Part Screw-in NPT Threaded Flange BFX90-N



Order Codes

- ★ SAE 90° Single-Part Screw-in NPT Threaded Flange (without O-ring) **BFX90-...-N**
- ★ Deviant screw-in NPT thread, including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX90-...-N **#K**
- ★ Including Metric bolts 10.9, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX90-...-N-MH#K**
- ★ Including UNC bolts (Gr8), spring rings, O-ring made of FPM (Viton®) (packed in kits) **BFX90-...-N-V-U#K**

Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "-W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)											for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	M	P	Q	T (NPT)	ØK ³	Metr. ³	UNC
350	350	13	1/2	BFX90-301-N	13	16	60	54	17,5	38,1	19	20	37	1/2	8,7	M8x30	5/16-18 UNC x 1-1/4
350	350	13	1/2	BFX90-301-N038	13	16	60	54	17,5	38,1	19	20	37	3/8	8,7	M8x30	5/16-18 UNC x 1-1/4
350	350	19	3/4	BFX90-302-N	19	18	63	65	22,3	47,6	19	24	38	3/4	10,5	M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX90-303-N	25	19	70	70	26,2	52,4	20	28	43	1	10,5	M10x35	3/8-16 UNC x 1-1/2
200	250	32	1-1/4	BFX90-304-N	32	21	85	79	30,2	58,7	22	34	51	1-1/4	11,7 (13,5)	M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	200	38	1-1/2	BFX90-305-N	38	25	95	93	35,7	69,9	25	38	56	1-1/2	13,5 (14,5)	M12x45 (M14x45)	1/2-13 UNC x 1-3/4
160	200	51	2	BFX90-306-N	51	25	110	110	42,9	77,8	28	42	65	2	13,5 (14,5)	M12x45 (M14x45)	1/2-13 UNC x 1-3/4

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)											for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	M	P	Q	T (NPT)	ØK	Metr.	UNC
350	400	13	1/2	BFX90-601-N	13	16	60	56	18,2	40,5	19	20	37	1/2	8,7	M8x30	5/16-18 UNC x 1-1/4
350	400	13	1/2	BFX90-601-N038	13	16	60	56	18,2	40,5	19	20	37	3/8	8,7	M8x30	5/16-18 UNC x 1-1/4
350	400	19	3/4	BFX90-602-N	19	19	70	72	23,8	50,8	20	28	43	3/4	10,5	M10x35	3/8-16 UNC x 1-1/2
350	400	25	1	BFX90-603-N	25	21	85	79	27,8	57,2	22	34	51	1	13	M12x45	7/16-14 UNC x 1-3/4
350	400	32	1-1/4	BFX90-604-N	32	25	95	93	31,6	66,6	25	38	56	1-1/4	13,5	M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX90-604-N-M14	32	25	95	93	31,6	66,6	25	38	56	1-1/4	15	M14x45	
350	400	38	1-1/2	BFX90-605-N	38	25	110	110	36,5	79,3	28	42	65	1-1/2	17	M16x50	5/8-11 UNC x 2
350	400	51	2	BFX90-606-N	51	35	132	134	44,5	96,8	33	45	75	2	21	M20x70	3/4-10 UNC x 2-3/4

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

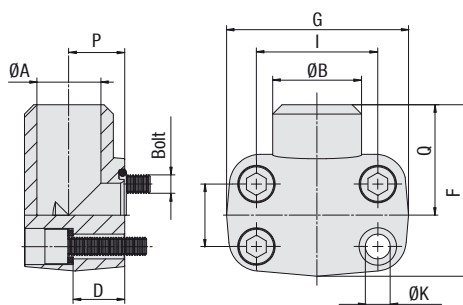
² For UNC threaded bolts, use hexagon head bolts only. Please note that these do not belong to our product range.

³ Alternative options shown in brackets are available on request.

SAE 90° Single-Part Butt Weld Flange for High Pressure Tubes BFX90-STC

Order Codes

- ★ SAE 90° Single-Part Butt Weld Flange (without O-ring) **BFX90-...-STC-**-****
- ★ Including Metric bolts 8.8, **BFX90-...-STC-**-**/K** spring rings, O-ring made of NBR (Buna-N®) (packed in kits)
- ★ Incl. Metric bolts 10.9, **BFX90-...-STC-**-**/MH#K** spring rings, O-ring made of NBR (Buna-N®) (packed in kits)



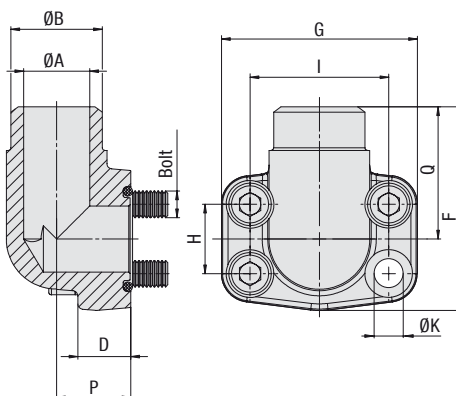
Version A



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "-W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	Version
8.8	10.9 (MH)	DN	(in)		ØA	ØB	D	F	G	H	I	P	Q	ØK	Metr.	
350	350	19	3/4	BFX90-302-STC-27/19	19	27	21	63	70	22,3	47,6	23	41	11	M10x40	A
350	350	25	1	BFX90-303-STC-34,5/23	23	34,5	24	72	75	26,2	52,4	25	48	11	M10x45	A
250	315	32	1-1/4	BFX90-304-STC-43/31	31	43	25	82	86	30,2	58,7	27	54	11,5	M10x45	A
200	250	38	1-1/2	BFX90-305-STC-50/35	35	50	29	92	97	35,7	69,9	31,5	57	14	M12x50	A
200	200	51	2	BFX90-306-STC-65/48	48	65	50	99	100	42,9	77,8	37,5	63	14	M12x70	A



Version B



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "-W5" on request

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

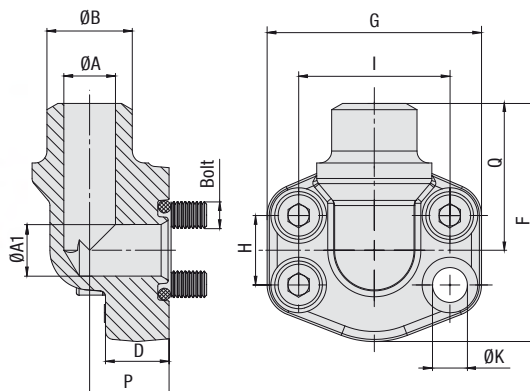
PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)										for Bolts	Version
8.8	10.9 (MH)	DN	(in)		ØA	ØB	D	F	G	H	I	P	Q	ØK	Metr.	
350	400	19	3/4	BFX90-602-STC-28/19	19	28	19	70	71	23,8	50,8	22	40	11	M10x35	B
350	400	25	1	BFX90-603-STC-34/25	25	34	24	82	81	27,8	57,2	27	47	13	M12x45	B
350	400	32	1-1/4	BFX90-604-STC-42/32-M14	32	42	27	95	95	31,8	66,6	32	56	15	M14x50	B
350	400	38	1-1/2	BFX90-605-STC-48/38	38	48	30	115	113	36,5	79,3	40	68	17	M16x50	B

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 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

³ deviant O-ring size: 28,17 x 3,53

SAE 90° Single-Part Butt Weld Flange for Metric Tubes BFX90-SRE



Order Codes

- ★ SAE 90° Single-Part Butt Weld Flange (without O-ring) **BFX90-...-SRE-**-****
- ★ Including Metric bolts 8.8, **BFX90-...-SRE-**-**#K** spring rings, O-ring made of NBR (Buna-N®) (packed in kits)
- ★ Incl. Metric bolts 10.9, **BFX90-...-SRE-**-**#MH#K** spring rings, O-ring made of NBR (Buna-N®) (packed in kits)
- ★ Incl. UNC bolts (Gr8), **BFX90-...-SRE-**-**#V-U#K** spring rings, O-ring made of FPM (Viton®) (packed in kits)

Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)													for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	ØA1	ØB	D	F	G	H	I	P	Q	ØK ³			Metr. ³	UNC
350	350	13	1/2	BFX90-301-SRE-20/14	14	13	20	16	60	54	17,5	38,1	20	37	8,7			M8x30	5/16-18 UNC x 1-1/4
350	350	13	1/2	BFX90-301-SRE-22/18	18	13	22	16	60	54	17,5	38,1	20	37	8,7			M8x30	5/16-18 UNC x 1-1/4
350	350	13	1/2	BFX90-301-SRE-25/19	19	13	25	16	60	54	17,5	38,1	20	37	8,7			M8x30	5/16-18 UNC x 1-1/4
350	350	19	3/4	BFX90-302-SRE-25/19	19	19	25	18	63	65	22,3	47,6	24	38	10,5			M10x35	3/8-16 UNC x 1-1/2
350	350	19	3/4	BFX90-302-SRE-28/22	22	19	28	18	63	65	22,3	47,6	24	38	10,5			M10x35	3/8-16 UNC x 1-1/2
350	350	19	3/4	BFX90-302-SRE-30/22	22	19	30	18	63	65	22,3	47,6	24	38	10,5			M10x35	3/8-16 UNC x 1-1/2
350	350	19	3/4	BFX90-302-SRE-35/27	27	19	35	18	63	65	22,3	47,6	24	38	10,5			M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX90-303-SRE-30/22	22	25	30	19	70	70	26,2	52,4	28	43	10,5			M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX90-303-SRE-35/27	27	25	35	19	70	70	26,2	52,4	28	43	10,5			M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX90-303-SRE-38/30	30	25	38	19	70	70	26,2	52,4	28	43	10,5			M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX90-303-SRE-42/36	36	25	42	19	70	70	26,2	52,4	28	43	10,5			M10x35	3/8-16 UNC x 1-1/2
200	250	32	1-1/4	BFX90-304-SRE-38/30	30	32	38	21	85	79	30,2	58,7	34	51	11,7 (13,5)			M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	250	32	1-1/4	BFX90-304-SRE-42/36	36	32	42	21	85	79	30,2	58,7	34	51	11,7 (13,5)			M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	250	32	1-1/4	BFX90-304-SRE-49/39	39	32	49	21	85	79	30,2	58,7	34	51	11,7 (13,5)			M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	200	38	1-1/2	BFX90-305-SRE-38/30	30	38	38	25	95	93	35,7	69,9	38	56	13,5 (14,5)			M12x45 (M14x45)	1/2-13 UNC x 1-3/4
200	200	38	1-1/2	BFX90-305-SRE-42/36	36	38	42	25	95	93	35,7	69,9	38	56	13,5 (14,5)			M12x45 (M14x45)	1/2-13 UNC x 1-3/4
200	200	38	1-1/2	BFX90-305-SRE-49/39	39	38	49	25	95	93	35,7	69,9	38	56	13,5 (14,5)			M12x45 (M14x45)	1/2-13 UNC x 1-3/4
160	200	51	2	BFX90-306-SRE-61/49	49	51	61	25	110	110	42,9	77,8	42	65	13,5 (14,5)			M12x45 (M14x45)	1/2-13 UNC x 1-3/4

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)													for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	ØA1	ØB	D	F	G	H	I	P	Q	ØK			Metr.	UNC
350	400	13	1/2	BFX90-601-SRE-20/14	14	13	20	16	60	54	18,2	40,5	20	37	8,7			M8x30	5/16-18 UNC x 1-1/4
350	400	13	1/2	BFX90-601-SRE-25/17	17	13	25	16	60	54	18,2	40,5	20	37	8,7			M8x30	5/16-18 UNC x 1-1/4
350	400	19	3/4	BFX90-602-SRE-25/17	17	19	25	19	70	72	23,8	50,8	28	43	10,5			M10x35	3/8-16 UNC x 1-1/2
350	400	19	3/4	BFX90-602-SRE-30/22	22	19	30	19	70	72	23,8	50,8	28	43	10,5			M10x35	3/8-16 UNC x 1-1/2
350	400	25	1	BFX90-603-SRE-30/22	22	25	30	21	85	79	27,8	57,2	34	51	13,5			M12x45	7/16-14 UNC x 1-3/4
350	400	25	1	BFX90-603-SRE-38/28	28	25	38	21	85	79	27,8	57,2	34	51	13,5			M12x45	7/16-14 UNC x 1-3/4
350	400	32	1-1/4	BFX90-604-SRE-38/28	28	32	38	25	95	93	31,8	66,6	38	56	13,5			M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX90-604-SRE-38/28-M14	28	32	38	25	95	93	31,8	66,6	38	56	15			M14x45	
350	400	32	1-1/4	BFX90-604-SRE-49/32	32	32	49	25	95	93	31,8	66,6	38	56	13,5			M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX90-604-SRE-49/32-M14	32	32	49	25	95	93	31,8	66,6	38	56	15			M14x45	
350	400	38	1-1/2	BFX90-605-SRE-38/28	28	38	38	25	110	110	36,5	79,3	42	65	17			M16x50	5/8-11 UNC x 2
350	400	38	1-1/2	BFX90-605-SRE-49/32	32	38	49	25	110	110	36,5	79,3	42	65	17			M16x50	5/8-11 UNC x 2
350	400	38	1-1/2	BFX90-605-SRE-61/40	40	38	61	25	110	110	36,5	79,3	42	65	17			M16x50	5/8-11 UNC x 2
350	400	51	2	BFX90-606-SRE-61/40	40	51	61	35	132	134	44,5	96,8	45	75	21			M20x70	3/4-10 UNC x 2-3/4
350	400	51	2	BFX90-606-SRE-74/50	50	51	74	35	132	134	44,5	96,8	45	75	21			M20x70	3/4-10 UNC x 2-3/4

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

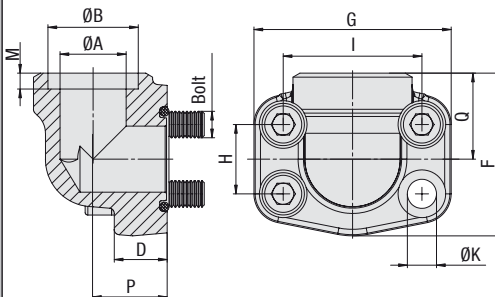
² For UNC threaded bolts, use hexagon head bolts only. Please note that these do not belong to our product range.

³ Alternative options shown in brackets are available on request.

SAE 90° Single-Part Socket Weld Flange BFX90-ES

Order Codes

- ★ SAE 90° Single-Part Socket Weld Flange (without O-ring) **BFX90-...-ES-**-****
- ★ Incl. Metric bolts 8.8, **BFX90-...-ES-**-**/K**
spring rings, O-ring made of NBR (Buna-N®)
(packed in kits)
- ★ Incl. Metric bolts 10.9, **BFX90-...-ES-**-**/MH#K**
spring rings, O-ring made of NBR (Buna-N®)
(packed in kits)
- ★ Incl. UNC bolts (Gr8), **BFX90-...-ES-**-**/V-U#K**
spring rings, O-ring made of FPM (Viton®) (packed
in kits)



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)													for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	ØB	D	F	G	H	I	M	P	Q	ØK ³			Metr. ³	UNC
350	350	13	1/2	BFX90-301-ES-21,6/13	13	21,6	16	60	54	17,5	38,1	10	20	37	8,7			M8x30	5/16-18 UNC x 1-1/4
350	350	13	1/2	BFX90-301-ES-17,5/13	13	17,5	16	60	54	17,5	38,1	10	20	37	8,7			M8x30	5/16-18 UNC x 1-1/4
350	350	19	3/4	BFX90-302-ES-27,2/19	19	27,2	18	63	65	22,3	47,6	10	24	38	10,5			M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX90-303-ES-34/25	25	34	19	70	70	26,2	52,4	12	28	43	10,5			M10x35	3/8-16 UNC x 1-1/2
200	250	32	1-1/4	BFX90-304-ES-42,8/32	32	42,8	21	85	79	30,2	58,7	14	34	51	11,7 (13,5)			M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	200	38	1-1/2	BFX90-305-ES-48,6/38	38	48,6	25	95	93	35,7	69,9	16	38	56	13,5 (14,5)			M12x45 (M14x45)	1/2-13 UNC x 1-3/4
160	200	51	2	BFX90-306-ES-61/51	51	61	25	110	110	42,9	77,8	18	42	65	13,5 (14,5)			M12x45 (M14x45)	1/2-13 UNC x 1-3/4

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ bolts		Nominal Size		Order Codes	Dimensions (mm)													for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	ØB	D	F	G	H	I	M	P	Q	ØK			Metr.	UNC
350	400	13	1/2	BFX90-601-ES-21,6/13	13	21,6	16	60	54	18,2	40,5	10	20	37	8,7			M8x30	5/16-18 UNC x 1-1/4
350	400	13	1/2	BFX90-601-ES-17,5/13	13	17,5	16	60	54	18,2	40,5	10	20	37	8,7			M8x30	5/16-18 UNC x 1-1/4
350	400	19	3/4	BFX90-602-ES-27,2/19	19	27,2	19	70	72	23,8	50,8	12	28	43	10,5			M10x35	3/8-16 UNC x 1-1/2
350	400	19	3/4	BFX90-602-ES-20,3/16	16/19	20,3	19	70	72	23,8	50,8	12	28	43	10,5			M10x35	3/8-16 UNC x 1-1/2
350	400	19	3/4	BFX90-602-ES-25,3/19	19	25,3	19	70	72	23,8	50,8	12	28	43	10,5			M10x35	3/8-16 UNC x 1-1/2
350	400	19	3/4	BFX90-602-ES-30,3/25	25/19	30,3	19	70	72	23,8	50,8	12	28	43	10,5			M10x35	3/8-16 UNC x 1-1/2
350	400	25	1	BFX90-603-ES-34/25	25	34	21	85	79	27,8	57,2	14	34	51	13			M12x45	7/16-14 UNC x 1-3/4 ²
350	400	25	1	BFX90-603-ES-30,3/25	25	30,3	21	85	79	27,8	57,2	14	34	51	13			M12x45	7/16-14 UNC x 1-3/4 ²
350	400	32	1-1/4	BFX90-604-ES-42,8/32	32	42,8	25	95	93	31,8	66,6	16	38	56	13,5			M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX90-604-ES-42,8/32-M14	32	42,8	25	95	93	31,8	66,6	16	38	56	15			M14x45	
350	400	32	1-1/4	BFX90-604-ES-30,3/22	22/32	30,3	25	95	93	31,8	66,6	16	38	56	13,5			M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX90-604-ES-30,3/22-M14	22/32	30,3	25	95	93	31,8	66,6	16	38	56	15			M14x45	
350	400	32	1-1/4	BFX90-604-ES-38,3/27	27/32	38,3	25	95	93	31,8	66,6	16	38	56	13,5			M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX90-604-ES-38,3/27-M14	27/32	38,3	25	95	93	31,8	66,6	16	38	56	15			M14x45	
350	400	38	1-1/2	BFX90-605-ES-48,6/38	38	48,6	25	110	110	36,5	79,3	18	42	65	17			M16x50	5/8-11 UNC x 2
350	400	51	2	BFX90-606-ES-61/51	51	61	35	132	134	36,5	79,3	28	45	75	21			M20x70	3/4-10 UNC x 2-3/4

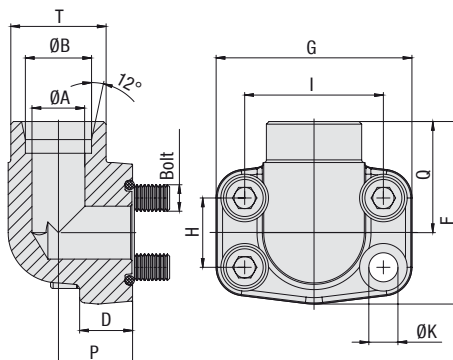
¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

² For UNC threaded bolts, use hexagon head bolts only. Please note that these do not belong to our product range.

³ Alternative options shown in brackets are available on request.

SAE 90° Single-Part Fitting Flange with 24° Cone Connector (acc. to ISO 8434-1 / DIN 2353)

BFX90-L/S



Material S355J0 / C45 or equivalent
Surface CrVI-free
Special Material Stainless Steel 1.4404 "W5" on request

Order Codes

- ★ SAE 90° Single-Part Fitting Flange (without O-ring) **BFX90-...-L**/-S****
- ★ Including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX90-...-L**#K**
- ★ Including Metric bolts 10.9, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX90-...-L**-MH#K**
- ★ Including UNC bolts (Gr8), spring rings, O-ring made of FPM (Viton®) (packed in kits) **BFX90-...-S**-V-U#K**

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

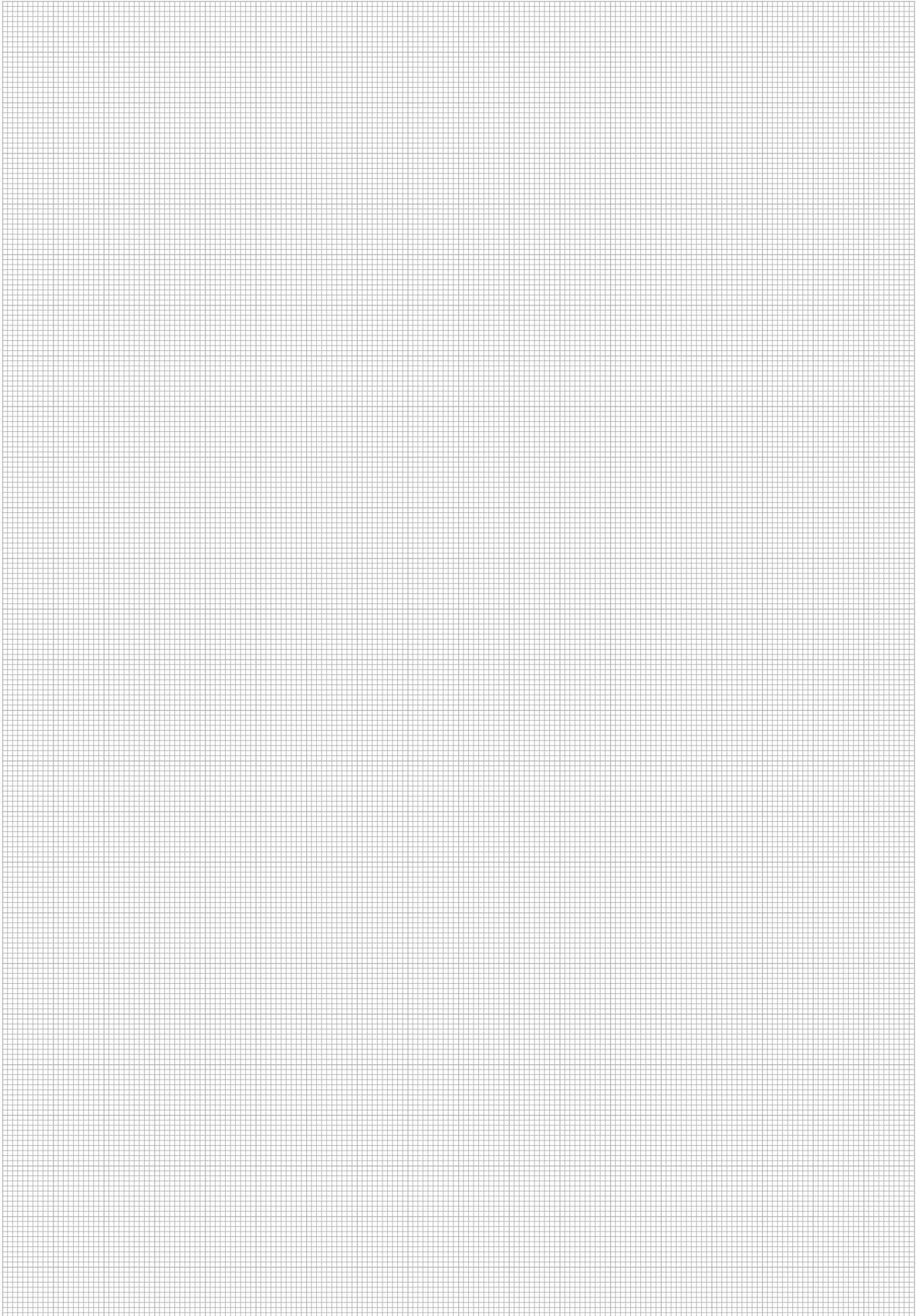
PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)													for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	ØB	D	F	G	H	I	P	Q	T (Metric)	ØK			Metr.	UNC
315	315	13	1/2	BFX90-301-L15	11	15 L	16	60	54	17,5	38,1	18	36	22x1,5	9			M8x30	5/16-18 UNC x 1-1/4
350	350	13	1/2	BFX90-301-S16	12	16 S	16	60	54	17,5	38,1	18	36	24x1,5	9			M8x30	5/16-18 UNC x 1-1/4
350	350	19	3/4	BFX90-302-S16	12	16 S	18	63	65	22,3	47,6	22	38	24x1,5	11			M10x35	3/8-16 UNC x 1-1/2
350	350	19	3/4	BFX90-302-S20	16	20 S	18	63	65	22,3	47,6	22	38	30x2	11			M10x35	3/8-16 UNC x 1-1/2
160	160	19	3/4	BFX90-302-L22	18	22 L	18	63	65	22,3	47,6	22	38	30x2	11			M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX90-303-S25	20	25 S	19	70	70	26,2	52,4	28	42	36x2	11			M10x35	3/8-16 UNC x 1-1/2
160	160	25	1	BFX90-303-L28	23	28 L	19	70	70	26,2	52,4	28	42	36x2	11			M10x35	3/8-16 UNC x 1-1/2
200	250	32	1-1/4	BFX90-304-S25	20	25 S	22	85	79	30,2	58,7	30	50	36x2	11,5			M10x40	7/16-14 UNC x 1-1/2
200	250	32	1-1/4	BFX90-304-S30	25	30 S	22	85	79	30,2	58,7	30	50	42x2	11,5			M10x40	7/16-14 UNC x 1-1/2
160	160	32	1-1/4	BFX90-304-L35	30	35 L	22	85	79	30,2	58,7	30	50	45x2	11,5			M10x40	7/16-14 UNC x 1-1/2
200	200	38	1-1/2	BFX90-305-S38	32	38 S	25	95	93	35,7	69,8	36	58	52x2	13,5			M12x45	1/2-13 UNC x 1-3/4
160	160	38	1-1/2	BFX90-305-L42	36	42 L	25	95	93	35,7	69,8	36	58	52x2	13,5			M12x45	1/2-13 UNC x 1-3/4

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

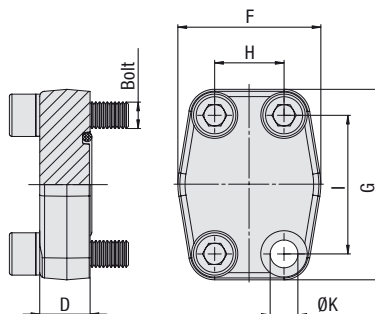
PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)													for Bolts	
8.8	10.9 (MH)	DN	(in)		ØA	ØB	D	F	G	H	I	P	Q	T (Metric)	ØK			Metr.	UNC
350	400	13	1/2	BFX90-601-S16	12	16 S	16	60	54	18,2	40,5	20	36	24x1,5	9			M8x30	5/16-18 UNC x 1-1/4
350	400	19	3/4	BFX90-602-S16	12	16 S	19	70	72	23,8	50,8	26	41	24x1,5	11			M10x35	3/8-16 UNC x 1-1/2
350	400	19	3/4	BFX90-602-S20	20	20 S	19	70	72	23,8	50,8	26	41	30x2	11			M10x35	3/8-16 UNC x 1-1/2
350	400	25	1	BFX90-603-S25	20	25 S	24	85	79	27,8	57,2	30	50	36x2	13			M12x40	7/16-14 UNC x 1-1/2
350	400	32	1-1/4	BFX90-604-S30-M14	25	30 S	25	95	93	31,8	66,6	36	58	42x2	15			M14x45	1/2-13 UNC x 1-3/4
350	350	38	1-1/2	BFX90-605-S38	32	38 S	26	110	110	36,5	79,3	41	65	52x2	17			M16x50	5/8-11 UNC x 2

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9). The actual maximum working pressure depends on the thickness and the quality of the tube used.

² For UNC threaded bolts, use hexagon head bolts only. Please note that these do not belong to our product range.



SAE Single-Part Blanking Flange BFX-CP



Material S355J0/C45 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "W5" on request

Order Codes

- ★ SAE Single-Part Blanking Flange (without O-ring) **BFX-...-CP**
- ★ Including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-CP#K**
- ★ Including Metric bolts 10.9, spring rings, O-ring made of NBR (Buna-N®) (packed in kits) **BFX-...-MH-CP#K**
- ★ Including UNC bolts (Gr8), spring rings, O-ring made of FPM (Viton®) (packed in kits) **BFX-...-CP-V-U#K**

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)						for Bolts	
8.8	10.9 (MH)	DN	(in)		D	F	G	H	I	ØK ³	Metr. ³	UNC
350	350	13	1/2	BFX-301-CP	16	47	57	17,5	38,1	8,7	M8x30	5/16-18 UNC x 1-1/4
350	350	19	3/4	BFX-302-CP	18	50	67	22,3	47,6	10,5	M10x35	3/8-16 UNC x 1-1/2
250	315	25	1	BFX-303-CP	19	54	72	26,2	52,4	10,5	M10x35	3/8-16 UNC x 1-1/2
200	250	32	1-1/4	BFX-304-CP	18	68	82	30,2	58,7	11,7 (13,5)	M10x40 (M12x40)	7/16-14 UNC x 1-1/2
200	200	38	1-1/2	BFX-305-CP	20	79	96	35,7	69,9	13,5 (14,5)	M12x45 (M14x45)	1/2-13 UNC x 1-3/4
160	200	51	2	BFX-306-CP	20	88	102	42,9	77,8	13,5 (14,5)	M12x45 (M14x45)	1/2-13 UNC x 1-3/4
100	160	64	2-1/2	BFX-307-CP	20	101	115	50,8	88,9	13,5 (14,5)	M12x45 (M14x45)	1/2-13 UNC x 1-3/4
100	160	76	3	BFX-308-CP	24	127	137	61,9	106,4	17	M16x50	5/8-11 UNC x 2
35	35	89	3-1/2	BFX-309-CP	22	138	155	69,8	120,7	17	M16x50	5/8-11 UNC x 2
35	35	102	4	BFX-310-CP	25	147	163	77,8	130,2	17	M16x50	5/8-11 UNC x 2
35	35	127	5	BFX-311-CP	25	180	184	92	152,4	17	M16x55	5/8-11 UNC x 2-1/4

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)						for Bolts	
8.8	10.9 (MH)	DN	(in)		D	F	G	H	I	ØK	Metr.	UNC
350	400	13	1/2	BFX-601-CP	16	47	57	18,2	40,5	8,7	M8x30	5/16-18 UNC x 1-1/4
350	400	19	3/4	BFX-602-CP	19	54	72	23,8	50,8	10,5	M10x35	3/8-16 UNC x 1-1/2
350	400	25	1	BFX-603-CP	24	68	82	27,8	57,2	13	M12x45	7/16-14 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-CP	27	79	95	31,8	66,6	13,5	M12x45	1/2-13 UNC x 1-3/4
350	400	32	1-1/4	BFX-604-CP-M14	27	79	95	31,8	66,6	15	M14x45	
350	400	38	1-1/2	BFX-605-CP	30	88	108	36,5	79,3	17	M16x55	5/8-11 UNC x 2-1/4
350	400	51	2	BFX-606-CP	30	118	137	44,5	96,8	21	M20x65	3/4-10 UNC x 2-3/4
350	400	64	2-1/2	BFX-607-CP	45	152	180	58,7	123,8	26	M24x80	
350	400	76	3	BFX-608-CP	55	178	208	71,4	152,4	33	M30x100	

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9).

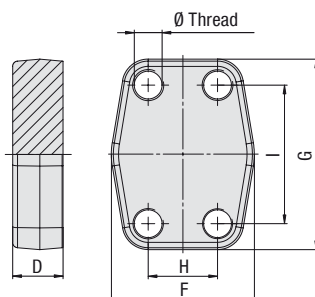
² For UNC threaded bolts, use hexagon head bolts only. Please note that these do not belong to our product range.

³ Alternative options shown in brackets are available on request.

SAE Single-Part Blanking Counterflange BAS-CP

Order Codes

- ★ SAE Single-Part Blanking Counterflange **BAS-...-CP**
- ★ For UNC bolts **BAS-...-CPU**
- ★ For deviant Metric bolts (M14) **BAS-...-CPM14**



Material S355J0/C45 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)					Ø Thread	
8.8	10.9 (MH)	DN	(in)		D	F	G	H	I	Metr. ³	UNC
350	350	13	1/2	BAS-301-CP	16	47	57	17,5	38,1	M8	5/16-18 UNC
350	350	19	3/4	BAS-302-CP	18	50	67	22,3	47,6	M10	3/8-16 UNC
250	315	25	1	BAS-303-CP	19	54	72	26,2	52,4	M10	3/8-16 UNC
200	250	32	1-1/4	BAS-304-CP	18	68	82	30,2	58,7	M10 (M12)	7/16-14 UNC
200	200	38	1-1/2	BAS-305-CP	20	79	96	35,7	69,9	M12 (M14)	1/2-13 UNC
160	200	51	2	BAS-306-CP	20	88	102	42,9	77,8	M12 (M14)	1/2-13 UNC
100	160	64	2-1/2	BAS-307-CP	20	101	115	50,8	88,9	M12 (M14)	1/2-13 UNC
100	160	76	3	BAS-308-CP	24	127	137	61,9	106,4	M16	5/8-11 UNC
35	35	89	3-1/2	BAS-309-CP	22	138	155	69,8	120,7	M16	5/8-11 UNC
35	35	102	4	BAS-310-CP	25	147	163	77,8	130,2	M16	5/8-11 UNC
35	35	127	5	BAS-311-CP	25	180	184	92	152,4	M16	5/8-11 UNC

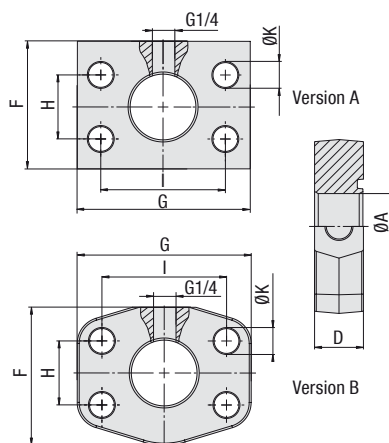
6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)					Ø Thread	
8.8	10.9 (MH)	DN	(in)		D	F	G	H	I	Metr.	UNC
350	400	13	1/2	BAS-601-CP	16	47	57	18,2	40,5	M8	5/16-18 UNC
350	400	19	3/4	BAS-602-CP	19	54	72	23,8	50,8	M10	3/8-16 UNC
350	400	25	1	BAS-603-CP	24	68	82	27,8	57,2	M12	7/16-14 UNC
350	400	32	1-1/4	BAS-604-CP	27	79	95	31,8	66,6	M12	1/2-13 UNC
350	400	32	1-1/4	BAS-604-CPM14	27	79	95	31,8	66,6	M14	
350	400	38	1-1/2	BAS-605-CP	30	88	108	36,5	79,3	M16	5/8-11 UNC
350	400	51	2	BAS-606-CP	30	118	137	44,5	96,8	M20	3/4-10 UNC
350	400	64	2-1/2	BAS-607-CP	45	152	180	58,7	123,8	M24	
350	400	76	3	BAS-608-CP	55	178	208	71,4	152,4	M30	

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9).

³ Alternative options shown in brackets are available on request.

SAE Sandwich Plate (e.g. for Test Coupling) - Female BSPP Port SPL-G1/4-L



Material S355J0/C45 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "-W5" on request

Order Codes

★ SAE Sandwich Plate (e.g. for Test Point) Female BSPP Port

SPL-...-G1/4-L



Please see **STAUFF Test** section for further information on the corresponding test couplings.

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)							
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	ØK	Version
350	350	13	1/2	SPL-301-G1/4-L	12	24	40	55	17,5	38,1	8,7	A
350	350	19	3/4	SPL-302-G1/4-L	19	28	50	65	22,3	47,6	10,5	A
250	315	25	1	SPL-303-G1/4-L	24	25	60	70	26,2	52,4	10,5	B
200	250	32	1-1/4	SPL-304-G1/4-L	31	23	68	82	30,2	58,7	11,7	B
200	200	38	1-1/2	SPL-305-G1/4-L	38	24	79	96	35,7	69,9	13,5	B
160	200	51	2	SPL-306-G1/4-L	50	24	88	102	42,9	77,8	13,5	B

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

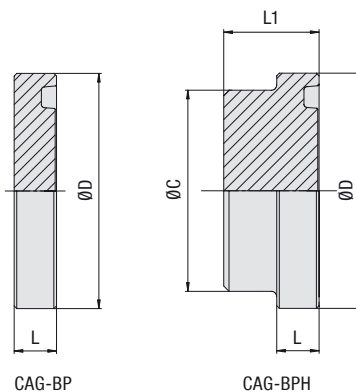
PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)							
8.8	10.9 (MH)	DN	(in)		ØA	D	F	G	H	I	ØK	Version
350	400	13	1/2	SPL-601-G1/4-L	12	24	40	55	18,2	40,5	8,7	A
350	400	19	3/4	SPL-602-G1/4-L	19	25	60	70,6	23,8	50,8	10,5	A
350	400	25	1	SPL-603-G1/4-L	25	23	68	82	27,8	57,2	13	B
350	400	32	1-1/4	SPL-604-G1/4-L	31	25	79	95	31,8	66,6	13,5	B
350	400	32	1-1/4	SPL-604-G1/4-L-M14	31	25	79	95	31,8	66,6	15	B
350	400	38	1-1/2	SPL-605-G1/4-L	38	28	88	108	36,5	79,3	17	B
350	400	51	2	SPL-606-G1/4-L	50	33	118	137	44,5	96,8	21	B

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9).

SAE Blindplug CAG-BP / CAG-BPH (high Version)

Order Codes

- * SAE Blindplug (without O-ring) **CAG-BP-...**
- * Including Metric bolts 8.8, spring rings, O-ring made of NBR (Buna-N®) and DB (packed in kits) **CAG-BP-...#K**
- * SAE Blindplug - high Version (without O-ring) **CAG-BPH-...**
- * SAE Blindplug Counterflange high Version **CSG-BPH-...**



Material S355J0/C45 or equivalent
Surface CrVI free
Special Material Stainless Steel 1.4571 "W5" on request

3000 PSI Standard Pressure Series (according to ISO 6162-1:2006)

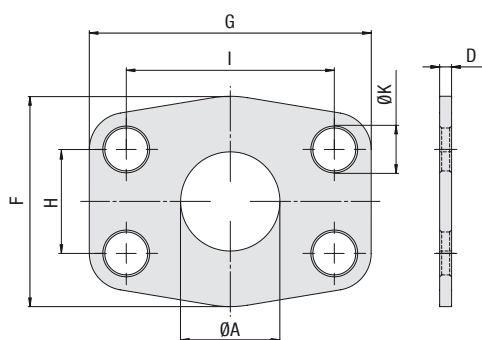
PN (bar)		Nominal Size		Order Codes	Order Codes	Dimensions (mm)			
BP	BPH	DN	(in)			ØC	ØD	L	L1
210	350	13	1/2	CAG-BP-301	CAG-BPH-301	24	30,2	6,8	15
210	350	19	3/4	CAG-BP-302	CAG-BPH-302	31,5	38,1	6,8	16
210	315	25	1	CAG-BP-303	CAG-BPH-303	38	44,45	8	18
200	250	32	1-1/4	CAG-BP-304	CAG-BPH-304	43	50,8	8	18
160	200	38	1-1/2	CAG-BP-305	CAG-BPH-305	50	60,35	8	18
160	200	51	2	CAG-BP-306	CAG-BPH-306	61,8	71,4	9,6	21
100	160	64	2-1/2	CAG-BP-307	CAG-BPH-307	73,8	84,1	9,6	21
100	160	76	3	CAG-BP-308	CAG-BPH-308	90	101,6	9,6	24
35	35	89	3-1/2	CAG-BP-309	CAG-BPH-309	102	114,3	11,3	45
35	35	102	4	CAG-BP-310	CAG-BPH-310	114	127	11,3	55

6000 PSI High Pressure Series (according to ISO 6162-2:2006)

PN (bar)		Nominal Size		Order Codes	Order Codes	Dimensions (mm)			
BP	BPH	DN	(in)			ØC	ØD	L	L1
250	350	13	1/2	CAG-BP-601	CAG-BPH-601	24	31,8	7,8	18
250	350	19	3/4	CAG-BP-602	CAG-BPH-602	32	41,3	8,8	21
250	350	25	1	CAG-BP-603	CAG-BPH-603	38	47,6	9,5	26
250	350	32	1-1/4	CAG-BP-604 ²	CAG-BPH-604 ²	43,8	54	10,3	31
250	350	38	1-1/2	CAG-BP-605	CAG-BPH-605	50,8	63,5	12,6	34
250	350	51	2	CAG-BP-606	CAG-BPH-606	66,5	79,4	12,6	42
250	350	64	2-1/2		CAG-BPH-607	89	108	21,2	45

² According to ISO 6162-2 bolts M12 should be used but because usually bolts M14 are used the description of the complete clamp must show M14 (e.g. CAG-BP-604-M14#K).

SAE Sandwich Plate SPL



Material ST35 or equivalent
Surface blank, oiled

Order Codes

★ SAE Sandwich Plate

SPL-...

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

Nominal Size		Order Codes	Dimensions (mm)						
DN	(in)		ØA	D	F	G	H	I	ØK
13	1/2	SPL-301	13	3	47	57	17,5	38,1	9
19	3/4	SPL-302	19	3	49	66	22,3	47,6	11
25	1	SPL-303	25	3	53	71	26,2	52,4	11
32	1-1/4	SPL-304	32	3	69	80	30,2	58,7	11,5
38	1-1/2	SPL-305	38	3	77	95	35,7	69,9	13,5
51	2	SPL-306	51	3	89	103	42,9	77,8	13,5
64	2-1/2	SPL-307	63	3	101	116	50,8	88,9	13,5
76	3	SPL-308	73	4	124	136	61,9	106,4	17
89	3-1/2	SPL-309	89	4	136	152	69,8	120,7	17
102	4	SPL-310	99	4	146	162	77,8	130,2	17
127	5	SPL-311	120	4	180	184	92	152,4	17

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

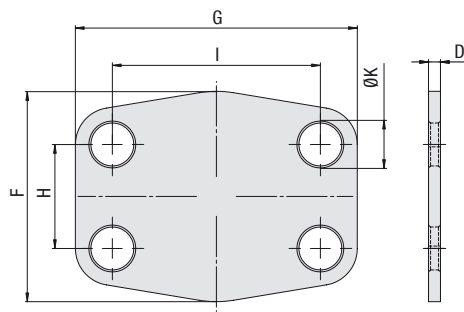
Nominal Size		Order Codes	Dimensions (mm)						
DN	(in)		ØA	D	F	G	H	I	ØK
13	1/2	SPL-601	13	4	47	57	18,2	40,5	9
19	3/4	SPL-602	17	4	53	71	23,8	50,8	11
25	1	SPL-603	24	4	66	80	27,8	57,2	13
32	1-1/4	SPL-604-M14	31	4	77	94	31,8	66,6	15
38	1-1/2	SPL-605	38	4	89	103	36,5	79,3	17
51	2	SPL-606	51	4	116	135	44,5	96,8	21
64	2-1/2	SPL-607	63	4	150	166	58,7	123,8	25
76	3	SPL-608	73	4	178	208	71,4	152,4	32

SAE Cover Plate CPL

Order Codes

★ SAE Cover Plate

CPL-...


**Material
Surface**

ST35 or equivalent
blank, oiled

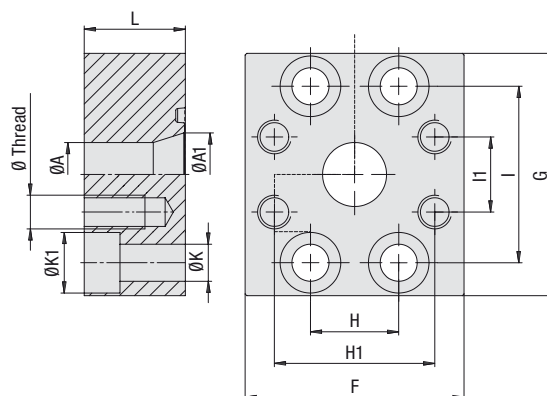
3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

Nominal Size		Order Codes	Dimensions (mm)					
DN	(in)		D	F	G	H	I	ØK
13	1/2	CPL-301	3	47	57	17,5	38,1	9
19	3/4	CPL-302	3	49	66	22,3	47,6	11
25	1	CPL-303	3	53	71	26,2	52,4	11
32	1-1/4	CPL-304	3	69	80	30,2	58,7	11,5
38	1-1/2	CPL-305	3	77	95	35,7	69,9	13,5
51	2	CPL-306	3	89	103	42,9	77,8	13,5
64	2-1/2	CPL-307	3	101	116	50,8	88,9	13,5
76	3	CPL-308	4	124	136	61,9	106,4	17
89	3-1/2	CPL-309	4	136	152	69,8	120,7	17
102	4	CPL-310	4	146	162	77,8	130,2	17
127	5	CPL-311	4	180	184	92	152,4	17

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

Nominal Size		Order Codes	Dimensions (mm)					
DN	(in)		D	F	G	H	I	ØK
13	1/2	CPL-601	4	47	57	18,2	40,5	9
19	3/4	CPL-602	4	53	71	23,8	50,8	11
25	1	CPL-603	4	66	80	27,8	57,2	13
32	1-1/4	CPL-604-M14	4	77	94	31,8	66,6	15
38	1-1/2	CPL-605	4	89	103	36,5	79,3	17
51	2	CPL-606	4	116	135	44,5	96,8	21
64	2-1/2	CPL-607	4	150	166	58,7	123,8	25
76	3	CPL-608	4	178	208	71,4	152,4	32

SAE Reducing Flange BFX-...-BAS-...



Material S355J0 or equivalent
Surface blank, oiled
Special Material Stainless Steel 1.4404 "-W5" on request

Order Codes

★ SAE Reducing Flange
(without O-ring)

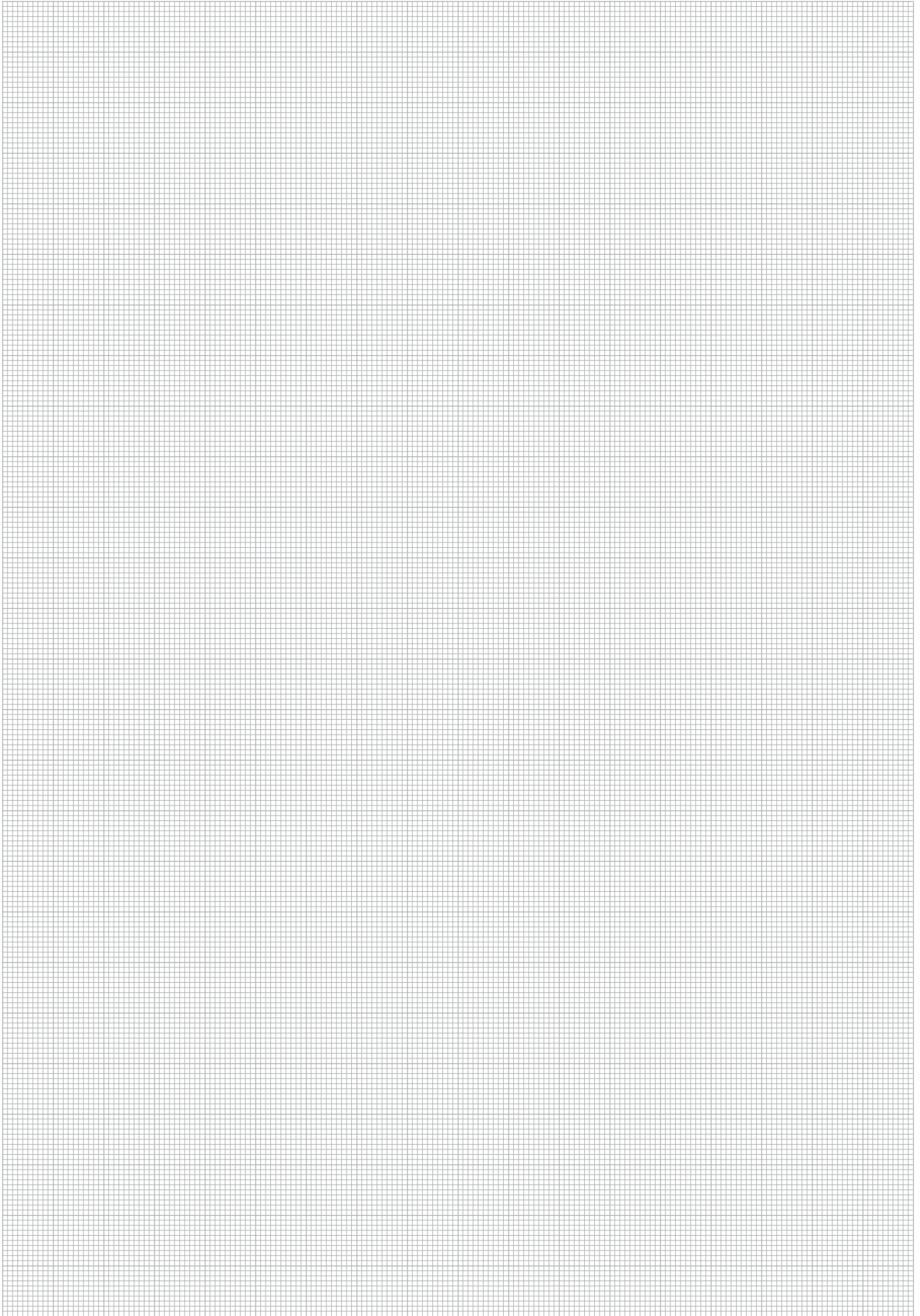
BFX-...-BAS-...

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

Nominal Size		Order Codes	Dimensions (mm)											for Bolts	Ø Thread
DN	(in)		ØA	ØA1	F	G	H	H1	I	I1	L	ØK	ØK1	Metr.	Metr.
25	1	BFX-303-BAS-302	19	25	65	72	26,2	47,6	52,4	22,3	30	11	18	M10x30	M10
32	1-1/4	BFX-304-BAS-303	25	32	70	80	30,2	52,4	58,7	26,2	30	11	18	M10x30	M10
38	1-1/2	BFX-305-BAS-304	32	38	80	95	35,7	58,7	69,9	30,2	30	13,5	20	M12x35	M10
51	2	BFX-306-BAS-304	32	51	95	100	42,9	58,7	77,8	30,2	30	13,5	20	M12x35	M10
51	2	BFX-306-BAS-305	38	46	95	120	42,9	69,9	77,8	35,7	30	13,5	20	M12x35	M12
64	2-1/2	BFX-307-BAS-305	38	62	109	114	50,8	69,9	88,9	35,7	35	13,5	20	M12x40	M12
64	2-1/2	BFX-307-BAS-306	51	64	109	114	50,8	77,8	88,9	42,9	35	13,5	20	M12x40	M12
76	3	BFX-308-BAS-306	51	76	114	140	61,9	77,8	106,4	42,9	40	17,5	26	M16x50	M12
76	3	BFX-308-BAS-307	64	76	114	140	61,9	88,9	106,4	50,8	40	17,5	26	M16x50	M12

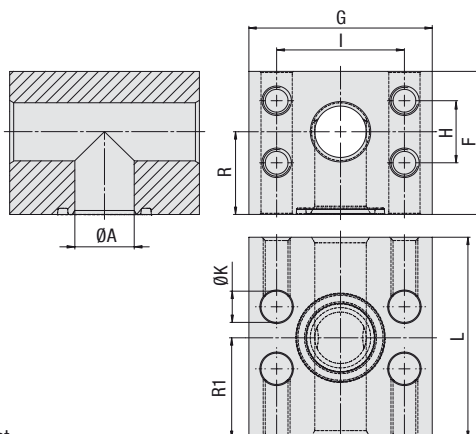
6000 PSI High Pressure Series (based on ISO 6162-2:2006)

Nominal Size		Order Codes	Dimensions (mm)											for Bolts	Ø Thread
DN	(in)		ØA	ØA1	F	G	H	H1	I	I1	L	ØK	ØK1	Metr.	Metr.
19	3/4	BFX-602-BAS-602	19	19	70	70	23,8	50,8	50,8	23,8	28	11	18	M10x35	M10
25	1	BFX-603-BAS-602	19	23	70	81	27,8	50,8	57,2	23,8	30	13,5	20	M12x40	M10
25	1	BFX-603-BAS-603	25	25	75	80	27,8	57,2	57,2	27,8	36	13,5	20	M12x45	M12
32	1-1/4	BFX-604-M14-BAS-603	23	30	83	100	31,8	57,2	66,6	27,8	25	15	22	M14x40	M12
32	1-1/4	BFX-604-M14-BAS-604-M14	31	31	90	100	31,8	66,6	66,6	31,8	35	15	22	M14x50	M14
38	1-1/2	BFX-605-BAS-604-M14	32	40	95	113	36,5	66,6	79,3	31,8	48	17,5	26	M16x55	M14
38	1-1/2	BFX-605-BAS-605	38	38	113	113	36,5	79,3	79,3	36,5	50	17,5	26	M16x55	M16
51	2	BFX-606-BAS-605	38	49	125	140	44,5	79,3	96,8	36,5	60	22	33	M20x100	M16



SAE Block T-Connection (Adapter Style)

BF-T



Order Codes

- * SAE Block T-Connection (Adapter Style) **BF-T-...**
- * Deviant screw holes and threads **BF-T-...M****
- * Deviant surface treatment (blank, oiled) **BF-T-...-W1**

Material S355J0 or equivalent
Surface CrVI-free
Special Material Stainless Steel 1.4404 "-W5" on request

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

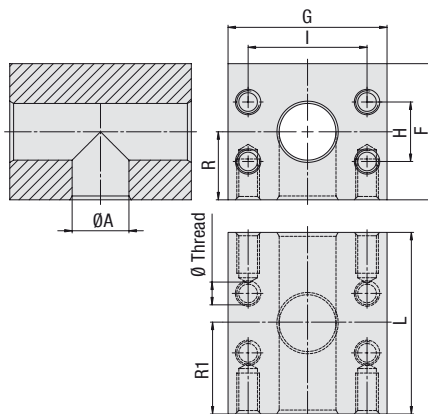
PN (bar) ¹		Nominal Size		Order Codes	Dimensions (mm)									Ø Thread
8.8	10.9 (MH)	DN	(in)		ØA	F	G	H	I	L	R	R1	ØK	
350	400	19	3/4	BF-T-602	19	55	72	23,8	50,8	72	32	36	11	M10
350	400	25	1	BF-T-603	23	64	82	27,8	57,2	90	37	45	13,5	M12
350	400	32	1-1/4	BF-T-604-M14	30	72	100	31,8	66,6	100	41	50	15,5	M14
350	400	38	1-1/2	BF-T-605	38	89	114	36,5	79,3	110	50	55	17,5	M16
350	400	51	2	BF-T-606	50	107	133	44,5	96,8	135	64	67,5	22	M20

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9).

SAE Block T-Connection (Connector Style) BC-T

Order Codes

- * SAE Block T-Connection (Connector Style) **BC-T-...**
- * Deviant threads **BC-T-...M****
- * Deviant surface treatment (blank, oiled) **BC-T-...-W1**



Material S355J0 or equivalent
Surface CrVI-free
Special Material Stainless Steel 1.4404 "-W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)								Ø Thread
8.8	10.9 (MH)	DN	(in)		ØA	F	G	H	I	L	R	R1	
350	350	13	1/2	BC-T-301	13	50	55	17,5	38,1	70	25	35	M8
350	350	19	3/4	BC-T-302	19	60	65	23,3	47,6	75	30	37,5	M10
250	315	25	1	BC-T-303	24	65	72	26,2	52,4	80	33	40	M10
200	250	32	1-1/4	BC-T-304	32	80	82	30,2	58,7	90	39	45	M10
200	200	38	1-1/2	BC-T-305	38	92	100	35,7	69,9	110	51	55	M12
160	200	51	2	BC-T-306	51	87	102	42,9	77,8	120	51	60	M12
100	160	64	2-1/2	BC-T-307	62	120	115	50,8	88,9	160	60	80	M12
100	138	76	3	BC-T-308	73	135	135	61,9	106,4	160	67,5	80	M16
35	35	89	3-1/2	BC-T-309	89	145	150	69,9	120,7	160	72,5	80	M16

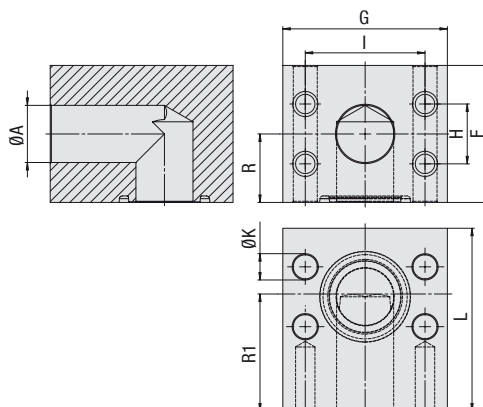
6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)								Ø Thread
8.8	10.9 (MH)	DN	(in)		ØA	F	G	H	I	L	R	R1	
350	400	13	1/2	BC-T-601	13	50	60	18,2	40,5	90	25	45	M8
350	400	19	3/4	BC-T-602	19	55	72	23,8	50,8	72	32	36	M10
350	400	25	1	BC-T-603	23	64	82	27,8	57,2	90	37	45	M12
350	400	32	1-1/4	BC-T-604	30	72	100	31,8	66,6	100	41	50	M12
350	400	32	1-1/4	BC-T-604M14	30	72	100	31,8	66,6	100	41	50	M14
350	400	38	1-1/2	BC-T-605	38	89	114	36,5	79,3	110	50	55	M16
350	400	51	2	BC-T-606	50	107	133	44,5	96,8	135	64	67,5	M20
350	400	64	2-1/2	BC-T-607	62	155	180	58,8	123,8	180	77,5	90	M24

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9).

SAE Block L-Connection (Adapter Style)

BF-L



Order Codes

- * SAE Block L-Connection (Adapter Style) **BF-L-...**
- * Deviant screw holes and threads **BF-L-...M****
- * Deviant surface treatment (blank, oiled) **BF-L-...-W1**

Material S355J0 or equivalent
Surface CrVI-free
Special Material Stainless Steel 1.4404 "-W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)									Ø Thread
8.8	10.9 (MH)	DN	(in)		ØA	F	G	H	I	L	R	R1	ØK	
350	350	13	1/2	BF-L-301	13	50	55	17,5	38,1	55	25	35	9	M8
350	350	20	3/4	BF-L-302	19	60	65	23,3	47,6	60	30	40	11	M10
250	315	25	1	BF-L-303	24	65	72	26,2	52,4	65	33	40	11	M10
200	200	32	1-1/4	BF-L-304	32	80	82	30,2	58,7	82	39	38	11	M10
160	200	38	1-1/2	BF-L-305	38	92	100	35,7	69,9	92	51	59	13,5	M12
100	160	51	2	BF-L-306	51	87	102	42,9	77,8	85	51	48	13,5	M12
100	160	64	2-1/2	BF-L-307	62	120	110	50,8	88,9	110	60	65	13,5	M12
100	138	76	3	BF-L-308	73	135	135	61,9	106,4	150	67,5	90	17,5	M16
35	35	89	3-1/2	BF-L-309	89	145	150	69,9	120,7	145	72,5	75	17,5	M16

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)									Ø Thread
8.8	10.9 (MH)	DN	(in)		ØA	F	G	H	I	L	R	R1	ØK	
350	400	13	1/2	BF-L-601	13	50	60	18,2	40,5	60	25	40	9	M8
350	400	19	3/4	BF-L-602	19	55	72	23,8	50,8	60	32	36	11	M10
350	400	25	1	BF-L-603	23	64	82	27,8	57,2	68	37	40	13,5	M12
350	400	32	1-1/4	BF-L-604	30	72	100	31,8	66,6	76	41	46	13,5	M12
350	400	32	1-1/4	BF-L-604-M14	30	72	100	31,8	66,6	76	41	46	15,5	M14
350	400	38	1-1/2	BF-L-605	38	89	114	36,5	79,3	86	50	52	17,5	M16
350	400	51	2	BF-L-606	50	107	133	44,5	96,8	107	64	70	22	M20
350	400	64	2-1/2	BF-L-607	62	155	180	58,8	123,8	160	77,5	90	26	M24

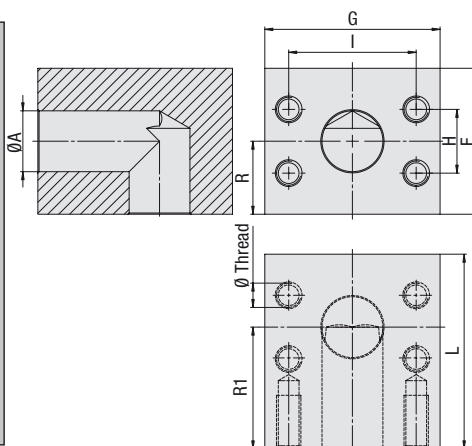
¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9).

SAE Block L-Connection (Connector Style)

BC-L

Order Codes

- ★ SAE Block L-Connection (Connector Style) **BC-L-...**
- ★ Deviant threads **BC-L-...M****
- ★ Deviant surface treatment (blank, oiled) **BC-L-...-W1**



Material S355J0 or equivalent
Surface CrVI-free
Special Material Stainless Steel 1.4404 "-W5" on request

3000 PSI Standard Pressure Series (based on ISO 6162-1:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)								Ø Thread
8.8	10.9 (MH)	DN	(in)		ØA	F	G	H	I	L	R	R1	
350	350	13	1/2	BC-L-301	13	50	55	17,5	38,1	55	25	35	M8
350	350	20	3/4	BC-L-302	19	60	65	23,3	47,6	60	30	40	M10
250	315	25	1	BC-L-303	24	65	72	26,2	52,4	65	33	40	M10
200	200	32	1-1/4	BC-L-304	32	80	82	30,2	58,7	82	39	38	M10
160	200	38	1-1/2	BC-L-305	38	92	100	35,7	69,9	92	51	59	M12
100	160	51	2	BC-L-306	51	87	102	42,9	77,8	85	51	48	M12
100	160	64	2-1/2	BC-L-307	62	120	110	50,8	88,9	110	60	65	M12
100	138	76	3	BC-L-308	73	135	135	61,9	106,4	150	67,5	90	M16
35	35	89	3-1/2	BC-L-309	89	145	150	69,9	120,7	145	72,5	75	M16

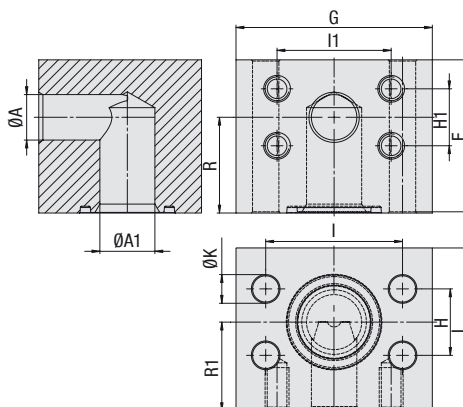
6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)								Ø Thread
8.8	10.9 (MH)	DN	(in)		ØA	F	G	H	I	L	R	R1	
350	400	13	1/2	BC-L-601	13	50	60	18,2	40,5	60	25	40	M8
350	400	19	3/4	BC-L-602	19	55	72	23,8	50,8	60	32	36	M10
350	400	25	1	BC-L-603	23	64	82	27,8	57,2	68	37	40	M12
350	400	32	1-1/4	BC-L-604	30	72	100	31,8	66,6	76	41	46	M12
350	400	32	1-1/4	BC-L-604M14	30	72	100	31,8	66,6	76	41	46	M14
350	400	38	1-1/2	BC-L-605	38	89	114	36,5	79,3	86	50	52	M16
350	400	51	2	BC-L-606	50	107	133	44,5	96,8	107	64	70	M20
350	400	64	2-1/2	BC-L-607	62	155	180	58,8	123,8	160	77,5	90	M24

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9).

SAE Block L-Connection Reduction (Adapter Style)

BF-L-RED



Material S355J0 or equivalent
Surface CrVI-free
Special Material Stainless Steel 1.4404 "-W5" on request

Order Codes

- * SAE Block L-Connection (Adapter Style) **BF-L-...-...**
- * Deviant screw holes **BF-L-...-M*-...-**
- * Deviant threads **BF-L-...-...M****
- * Deviant surface treatment (blank, oiled) **BF-L-...-W1**

6000 PSI High Pressure Series (based on ISO 6162-2:2006)

PN (bar) ¹ Bolts		Nominal Size		Order Codes	Dimensions (mm)														Ø Thread
8.8	10.9 (MH)	DN	(in)		ØA	ØA1	F	G	H	H1	I1	I	L	R	R1	ØK	Metr.		
350	400	25 - 19	1 - 3/4	BF-L-603-602	19	23	64	82	27,8	23,8	50,8	57,2	68	37	40	14	M10		
350	400	32 - 19	1-1/4 - 3/4	BF-L-604-M14-602	19	30	72	100	31,8	23,8	50,8	66,6	76	41	46	16	M10		
350	400	32 - 25	1-1/4 - 1	BF-L-604-M14-603	23	30	72	100	31,8	27,8	57,2	66,6	76	41	46	16	M12		
350	400	38 - 32	1-1/2 - 1-1/4	BF-L-605-604M14	30	38	89	114	36,5	31,8	66,6	79,3	86	50	52	18	M14		
350	400	51 - 38	2 - 1-1/2	BF-L-606-605	38	50	107	133	44,5	36,5	79,3	96,8	107	64	70	22	M16		

¹ The maximum working pressure PN (bar) applies only to the flange itself and depends on the bolts used (Grade 8.8 / 10.9).

Ordering of Separate Sealings

Ordering of separate sealings by using the ordering code as stated below:

O-Ring *** - ID x Cross-section - SH90

*** Material Code (NBR or FKM)
ID x Cross-section Dimensions according to Dimension Table
SH90 Shore Hardness (Standard)

Nominal Size		Sealing ID x Cross-section
DN	(in)	SAE J515 - STAUFF Standard
13	1/2	18,64 x 3,53
19	3/4	24,99 x 3,53
25	1	32,92 x 3,53
32	1-1/4	37,69 x 3,53
38	1-1/2	47,22 x 3,53
51	2	56,74 x 3,53
64	2-1/2	69,44 x 3,53
76	3	85,32 x 3,53
89	3-1/2	98,02 x 3,53
102	4	110,72 x 3,53
127	5	136,12 x 3,53

Ordering of Separate Bolt Sets

Ordering of separate bolt sets (consisting of 4 hexagon socket head cap bolts and 4 spring rings) by using the ordering code as stated below:

Metric bolts 8.8 **SET-BFX-IS-M12x50-8.8-ISO4762-W66 (CrVI-free)**
Metric bolts 10.9 **SET-BFX-IS-M12x50-10.9-ISO4762-W1**
UNC bolts **SET-BFX-IS-U5/16"-18x1"1/4-Gr8-AB18.3-W1**

Thread diameter, length (see corresponding catalogue pages) and type (8.8 or 10.9 for MH / Gr8 for U) have to be replaced according to your requirements. Bolts MH (Strength Properties 10.9) are delivered in blank, oiled. Please replace W66 (zinc plated) for Metric bolts and W1 (blank, oiled) with W5 to order Stainless Steel (1.4571) bolts.

Metric bolts ISO 4762
Spring rings for Metric bolts DIN 7980
UNC bolts ANSI B 18.3
Spring rings for UNC bolts ANSI B 18.21.1

Sealings / Sealing Materials

NBR (Buna-N®)

Shore Hardness 90 Shore
Temperature Range -30 °C ... +100 °C / -22 °F ... + 212 °F

FPM (Viton®)

Shore Hardness 85 ... 90 Shore
Temperature Range -20 °C ... +200 °C / -4 °F ... +392 °F

Other sealing materials are available on request.

3000 PSI Standard Pressure Series (according to ISO 6162-1)

Nominal Size		Sealing ID x Cross-section	
DN	(in)	SAE J515 - STAUFF Standard	ISO 3601-1 - Nominal Size
13	1/2	18,64 x 3,53	-210
19	3/4	24,99 x 3,53	-214
25	1	32,92 x 3,53	-219
32	1-1/4	37,69 x 3,53	-222
38	1-1/2	47,22 x 3,53	-225
51	2	56,74 x 3,53	-228
64	2-1/2	69,44 x 3,53	-232
76	3	85,32 x 3,53	-237
89	3-1/2	98,02 x 3,53	-241
102	4	110,72 x 3,53	-245
127	5	136,12 x 3,53	-253

6000 PSI High Pressure Series (according to ISO 6162-2)

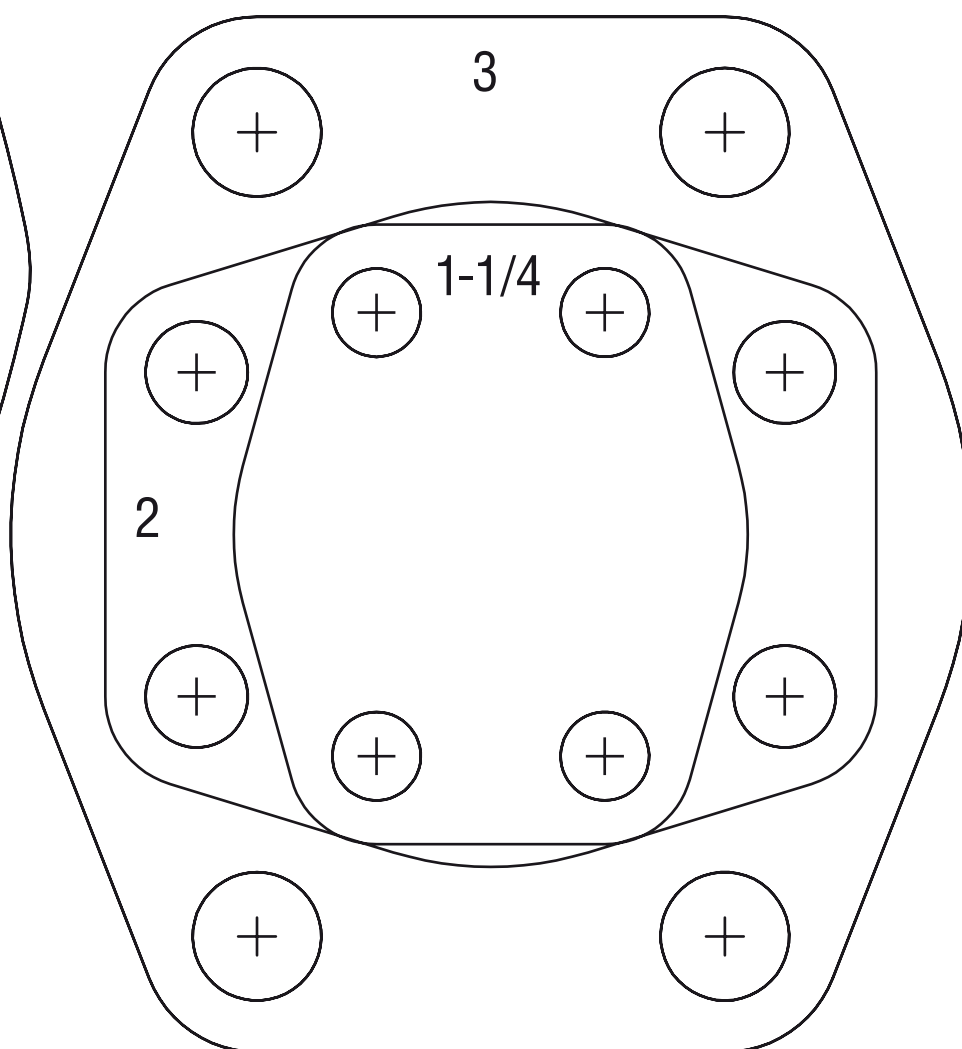
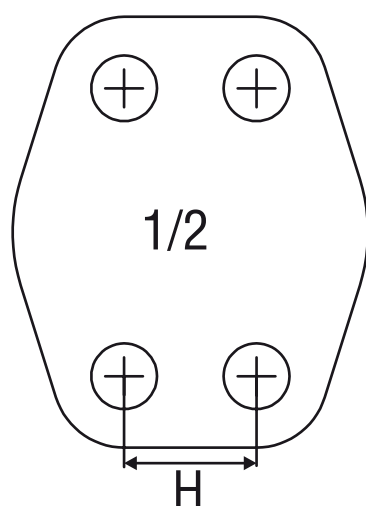
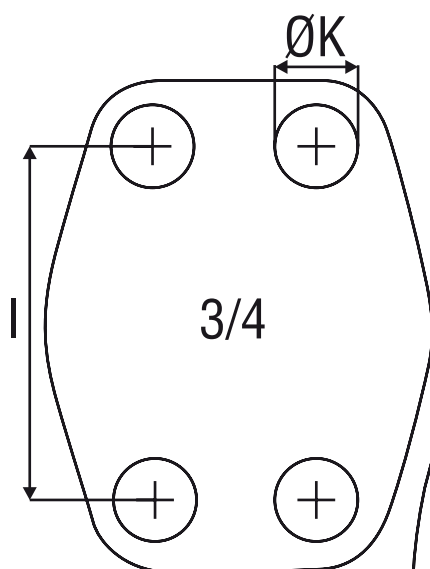
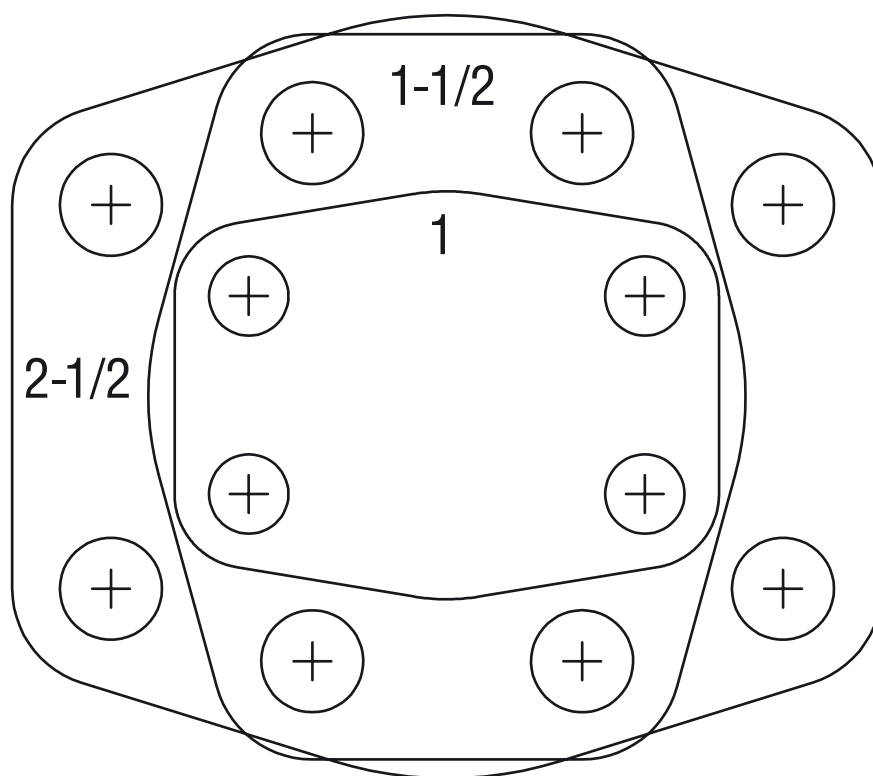
Nominal Size		Sealing ID x Cross-section	
DN	(in)	SAE J515 - STAUFF Standard	ISO 3601-1 - Nominal Size
13	1/2	18,64 x 3,53	-210
19	3/4	24,99 x 3,53	-214
25	1	32,92 x 3,53	-219
32	1-1/4	37,69 x 3,53	-222
38	1-1/2	47,22 x 3,53	-225
51	2	56,74 x 3,53	-228

Sizing Guide 3000 PSI Standard Pressure Series

Instructions

To determine flange type and size, place flange over drawing provided and line up holes.

Size	H	I	Ø Screw Holes	Ø Threads
1/2	17,5	38,1	8,7	M8
3/4	22,3	47,6	10,5	M10
1	26,2	52,4	10,5	M10
1-1/4	30,2	58,7	10,5 / 12,5	M10 / M12
1-1/2	35,7	69,9	13,5 / 14,5	M12 / M14
2	42,9	77,8	13,5 / 14,5	M12 / M14
2-1/2	50,8	88,9	13,5 / 14,5	M12 / M14
3	61,9	106,4	17	M16
3-1/2	69,9	120,7	17	M16
4	77,8	130,2	17	M16
5	92,1	152,4	17	M16

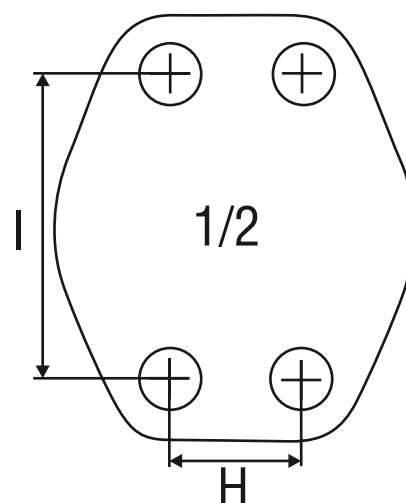
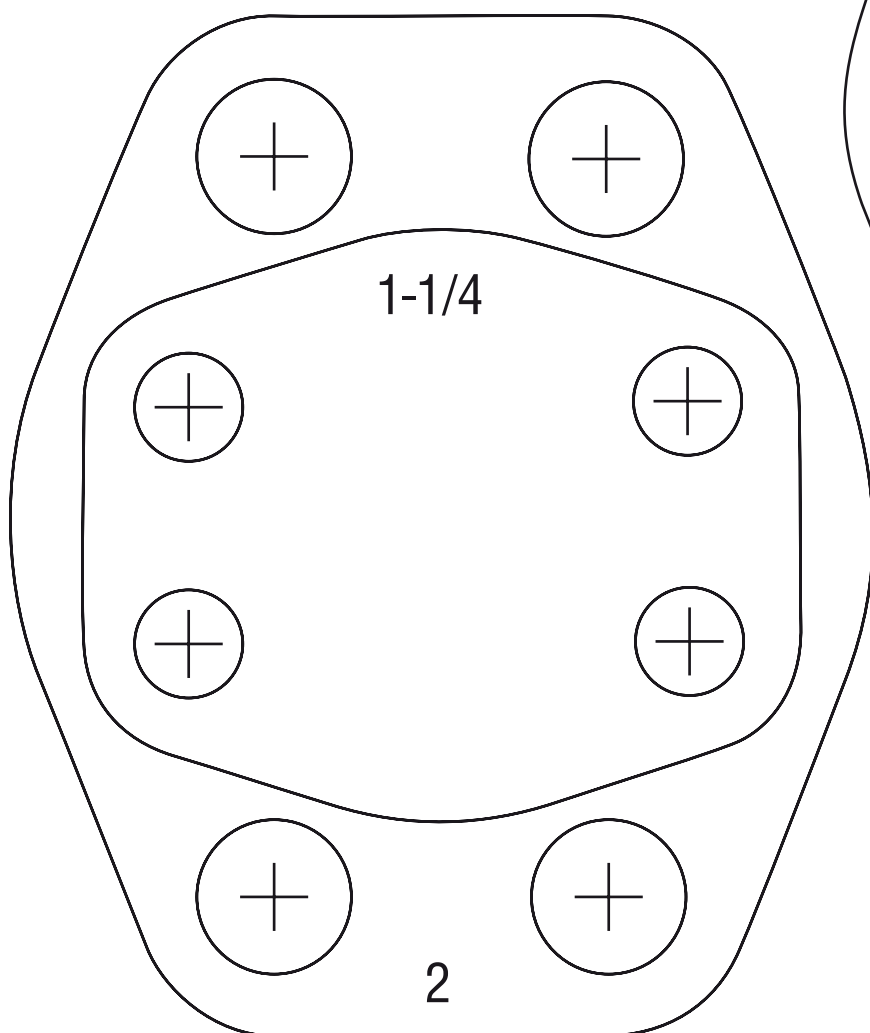
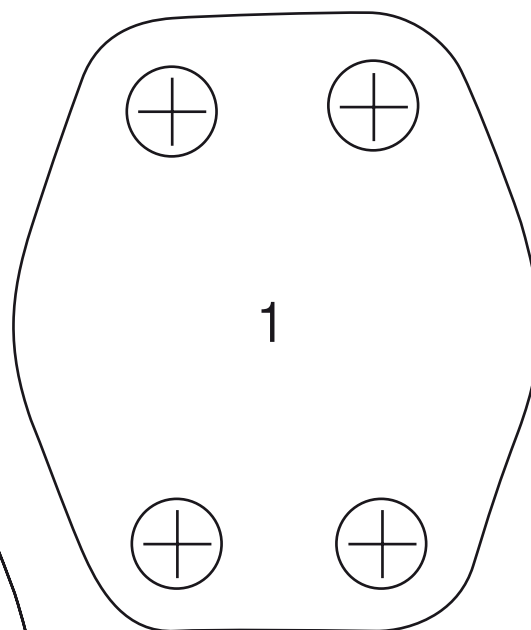
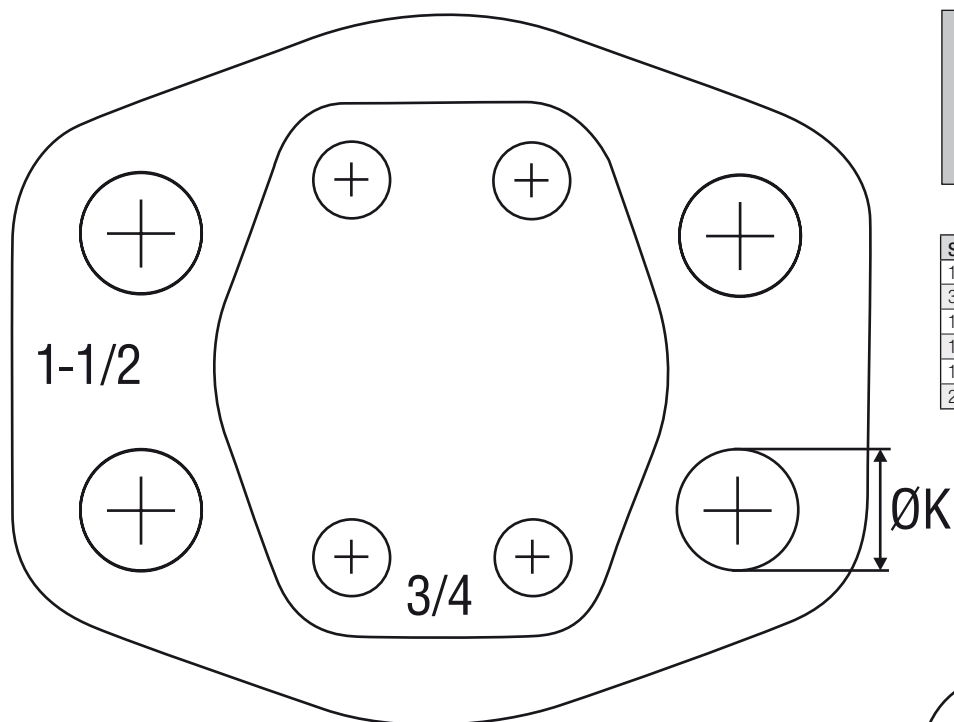


Sizing Guide 6000 PSI High Pressure Series

Instructions

To determine flange type and size, place flange over drawing provided and line up holes.

Size	H	I	Ø Screw Holes	Ø Threads
1/2	18,2	40,5	8,7	M8
3/4	23,8	50,8	10,5	M10
1	27,8	57,2	13	M12
1-1/4	31,8	66,6	13,5/15	M12 / M14
1-1/2	36,5	79,3	17	M16
2	44,5	96,8	21	M20



G Flanges

Used Bolts: Property Classes and Tightening Torques

Bolts 8.8 M (Metric Standard)

3000 PSI Standard Pressure Series (according to ISO 6162-1:2006)

Nominal Size		Diameter	Tightening Torques (Nm) ^{+10%}	Working Pressure max (bar)	Burst Pressure min (bar)
ISO	SAE				
13	1/2	M8	24	350	1400
19	3/4	M10	50	350	1400
25	1	M10	50	250	1000
32	1-1/4	M10	50	200	800
38	1-1/2	M12	92	200	800
51	2	M12	92	160	640
64	2-1/2	M12	92	100	400
76	3	M16	210	100	400
89	3-1/2	M16	210	35	140
102	4	M16	210	35	140
127	5	M16	210	35	140

Bolts 10.9 MH (Metric High)

3000 PSI Standard Pressure Series (according to ISO 6162-1:2006)

Nominal Size		Diameter	Tightening Torques (Nm) ^{+10%}	Working Pressure max (bar)	Burst Pressure min (bar)
ISO	SAE				
13	1/2	M8	32	350	1400
19	3/4	M10	70	350	1400
25	1	M10	70	315	1260
32	1-1/4	M10	70	250	1000
38	1-1/2	M12	130	200	800
51	2	M12	130	200	800
64	2-1/2	M12	130	160	640
76	3	M16	295	160	640
89	3-1/2	M16	295	35	140
102	4	M16	295	35	140
127	5	M16	295	35	140

6000 PSI High Pressure Series (according to ISO 6162-2:2006)

Nominal Size		Diameter	Tightening Torques (Nm) ^{+10%}	Working Pressure max (bar)	Burst Pressure min (bar)
ISO	SAE				
13	1/2	M8	24	350	1400
19	3/4	M10	50	350	1400
25	1	M12	92	350	1400
32	1-1/4	M12	92	350	1400
32	1-1/4	M14 ¹	130	350	1400
38	1-1/2	M16	210	350	1400
51	2	M20	400	350	1400

6000 PSI High Pressure Series (according to ISO 6162-2:2006)

Nominal Size		Diameter	Tightening Torques (Nm) ^{+10%}	Working Pressure max (bar)	Burst Pressure min (bar)
ISO	SAE				
13	1/2	M8	32	400	1600
19	3/4	M10	70	400	1600
25	1	M12	130	400	1600
32	1-1/4	M12	130	400	1600
32	1-1/4	M14 ¹	180	400	1600
38	1-1/2	M16	295	400	1600
51	2	M20	550	400	1600

Bolts Gr8 U (UNC)

3000 PSI Standard Pressure Series (according to ISO 6162-1:2006)

Nominal Size		Diameter	Tightening Torques (Nm) ^{+10%}	Working Pressure max (bar)	Burst Pressure min (bar)
ISO	SAE				
13	1/2	5/16-18 UNC	32	350	1400
19	3/4	3/8-16 UNC	60	350	1400
25	1	3/8-16 UNC	60	315	1260
32	1-1/4	7/16-14 UNC	92	250	1000
38	1-1/2	1/2-13 UNC	150	200	800
51	2	1/2-13 UNC	150	200	800
64	2-1/2	1/2-13 UNC	150	160	640
76	3	5/8-11 UNC	295	160	640
89	3-1/2	5/8-11 UNC	295	35	140
102	4	5/8-11 UNC	295	35	140
127	5	5/8-11 UNC	295	35	140

6000 PSI High Pressure Series (according to ISO 6162-2:2006)

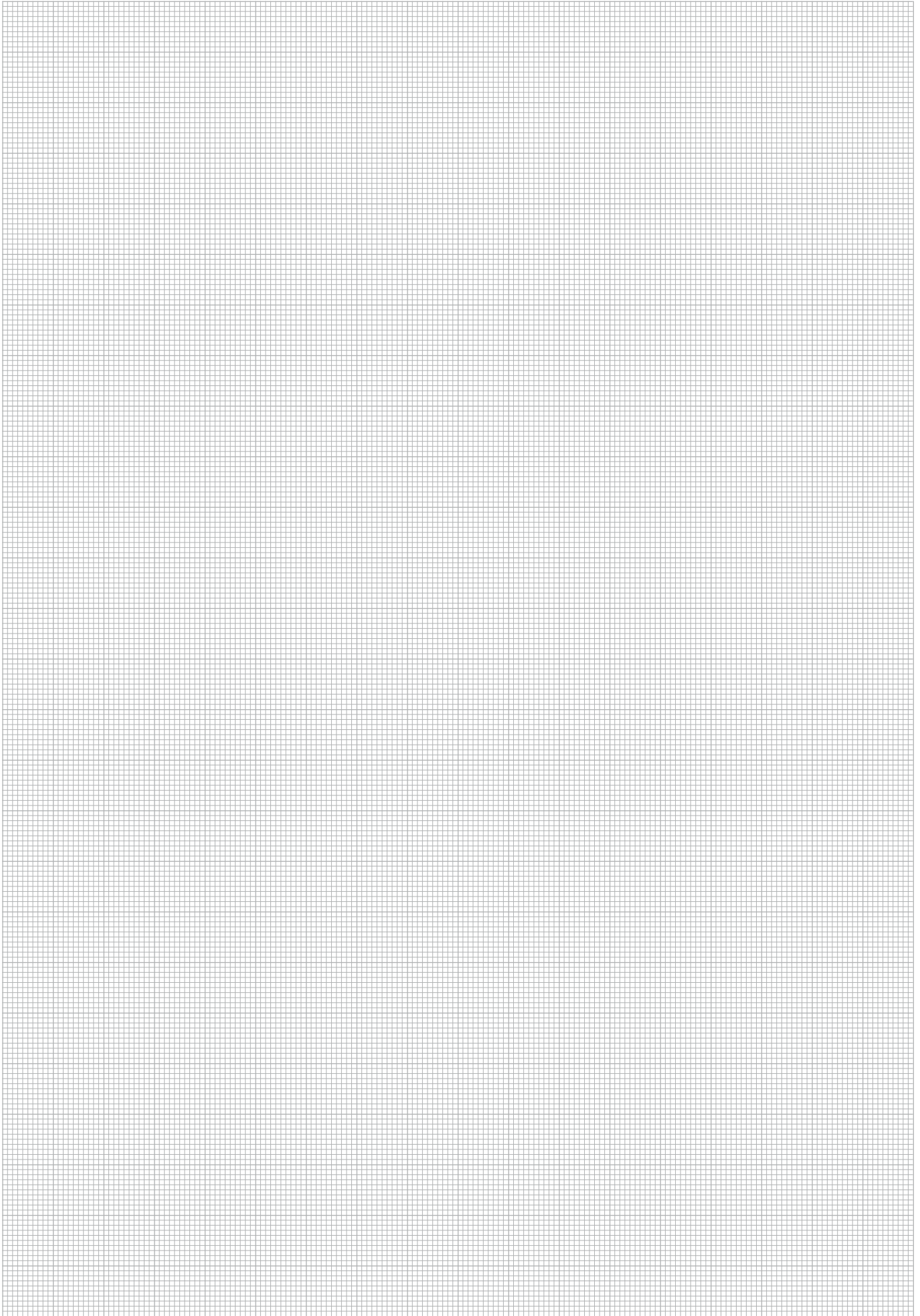
Nominal Size		Diameter	Tightening Torques (Nm) ^{+10%}	Working Pressure max (bar)	Burst Pressure min (bar)
ISO	SAE				
13	1/2	5/16-18 UNC	32	400	1600
19	3/4	3/8-16 UNC	60	400	1600
25	1	7/16-14 UNC	92	400	1600
32	1-1/4	1/2-13 UNC	150	400	1600
38	1-1/2	5/8-11 UNC	295	400	1600
51	2	3/4-10 UNC	450	400	1600

Notes

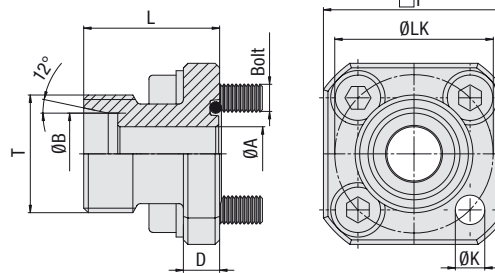
¹ Not to be used for new designs.

Attention: All bolts have to be pre-tightened before applying the full tightening torque to the bolts. Otherwise, the flange may break.

Please note that the tightening torques as stated above are only recommendations. These values correspond to oiled bolts with a friction coefficient of 0.17 and the material combination Steel/Steel. The exact tightening torques depend on factors like material, finishing, coating and lubrication of the components used, and have to be determined by the user himself.



4-hole Flange Connection with 24° Cone Connector (acc. to ISO 8434-1 / DIN 2353) GP-LK-L/S



Material S355J0 or equivalent
Surface ZnNi

Order Codes

★ 4-hole Flange Connection
with 24° Cone Connector

GP-LK...-L/S...#K

Including Metric bolts 8.8, spring rings and
O-ring made of NBR (Buna-N®)
(packed in kits)

PN (bar) ¹	Order Codes	Dimensions (mm)								Bolts Metr.	O-ring
		ØLK	ØA	ØB	D	F	L	T (Metric)	ØK		
8.8											
315	GP-LK35-L10#K	35	7	10 L	8	40	30	16x1,5	6,5	4 x M6x22	20x2,5
315	GP-LK35-L12#K	35	9	12 L	8	40	30	18x1,5	6,5	4 x M6x22	20x2,5
250	GP-LK35-L15#K	35	11	15 L	8	40	30	22x1,5	6,5	4 x M6x22	20x2,5
250	GP-LK35-L18#K	35	12	18 L	8	40	30	26x1,5	6,5	4 x M6x22	20x2,5
315	GP-LK35-S16#K	35	12	16 S	8	40	30	24x1,5	6,5	4 x M6x22	20x2,5
100	GP-LK40-L15#K	40	11	15 L	8	40	35	22x1,5	6,5	4 x M6x22	26x2,5
100	GP-LK40-L18#K	40	14	18 L	8	40	35	26x1,5	6,5	4 x M6x22	26x2,5
100	GP-LK40-L22#K	40	18	22 L	8	40	35	30x2	6,5	4 x M6x22	26x2,5
100	GP-LK40-L28#K	40	18	28 L	8	40	35	36x2	6,5	4 x M6x22	26x2,5
100	GP-LK55-L28#K	55	25	28 L	12	55	40	36x2	8,5	4 x M8x25	32x2,5
100	GP-LK55-L35#K	55	25	35 L	12	55	50	45x2	8,5	4 x M8x25	32x2,5
250	GP-LK55-S20#K	55	16	20 S	12	55	35	30x2	8,5	4 x M8x25	32x2,5

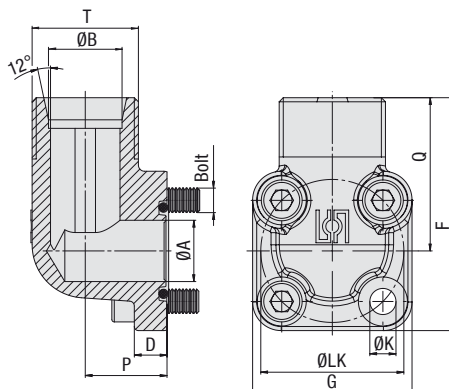
¹ The maximum working pressure PN (bar) applies only to the flange itself. The actual maximum working pressure depends on the thickness and the quality of the tube used.

4-hole 90° Flange Connection with 24° Cone Connector (acc. to ISO 8434-1 / DIN 2353) WP-LK-L/S

Order Codes

★ 4-hole 90° Flange Connection with 24° Cone Connector **WP-LK...-L/S...#K**

Including Metric bolts 8.8, spring rings and O-ring made of NBR (Buna-N®) (packed in kits)



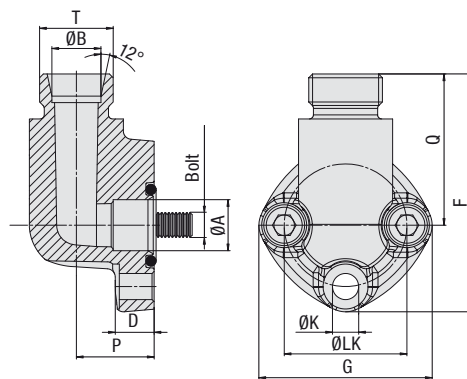
**Material
Surface**

S355J0 or equivalent
ZnNi

PN (bar) ¹	Order Codes	Dimensions (mm)										Bolts	O-ring
		ØLK	ØA	ØB	D	F	G	P	Q	T (Metric)	ØK	Metr.	
8.8													
315	WP-LK35-L10#K	35	14	10 L	8	57	39	16,5	37,5	16x1,5	6,4	2 x M6x22 2 x M6x35	20x2,5
315	WP-LK35-L12#K	35	14	12 L	8	57	39	16,5	37,5	18x1,5	6,4	2 x M6x22 2 x M6x35	20x2,5
250	WP-LK35-L15#K	35	14	15 L	8	56,5	39	16,5	37,5	22x1,5	6,4	2 x M6x22 2 x M6x35	20x2,5
250	WP-LK35-L18#K	35	15	18 L	8	57	39	20	37,5	26x1,5	6,4	2 x M6x22 2 x M6x40	20x2,5
315	WP-LK35-S16#K	35	15	16 S	8	57,5	39	20	38	24x1,5	6,4	2 x M6x22 2 x M6x40	20x2,5
315	WP-LK35-S20#K	35	15	20 S	8	64,5	39	25	45	30x2	6,4	2 x M6x22 2 x M6x45	20x2,5
100	WP-LK40-L15#K	40	20	15 L	9	58	42	22,5	37	22x1,5	6,4	4 x M6x22	26x2,5
100	WP-LK40-L18#K	40	20	18 L	9	59	42	22,5	38	26x1,5	6,4	4 x M6x22	26x2,5
100	WP-LK40-L22#K	40	20	22 L	9	59	42	22,5	38	30x2	6,4	4 x M6x22	26x2,5
100	WP-LK40-L28#K	40	20	28 L	9	61	42	28	40	36x2	6,4	2 x M6x22 2 x M6x50	26x2,5
100	WP-LK40-L35#K	40	20	35 L	9	62	42	34	41	45x2	6,4	2 x M6x22 2 x M6x60	26x2,5
250	WP-LK40-S20#K	40	20	20 S	9	61	42	22,5	40	30x2	6,4	2 x M6x22 2 x M6x45	26x2,5
100	WP-LK55-L35#K	55	26,5	35 L	12	78	58	32	49	45x2	8,4	2 x M8x25 2 x M8x60	32x2,5
100	WP-LK55-L42#K	55	26,5	42 L	12	78	58	40	49	52x2	8,4	2 x M8x25 2 x M8x70	32x2,5
250	WP-LK55-S20#K	55	18	20 S	13	69	58	24	45	30x2	8,4	2 x M8x25 2 x M8x50	32x2,5
250	WP-LK55-S25#K	55	26,5	25 S	13	78	58	30	49	36x2	8,4	2 x M8x25 2 x M8x55	32x2,5
250	WP-LK55-S30#K	55	26,5	30 S	12	78	58	32	49	42x2	8,4	2 x M8x25 2 x M8x50	32x2,5

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

3-hole 90° Flange Connection with 24° Cone Connector (acc. to ISO 8434-1 / DIN 2353) WP-3-LK-L/S



Material S355J0 or equivalent
Surface ZnNi

Order Codes

★ 3-hole 90° Flange Connection with 24° Cone Connector **WP-3-LK...-L/S...#K**

Including Metric bolts 8.8, spring rings and O-ring made of NBR (Buna-N®) (packed in kits)

PN (bar) ¹	Order Codes	Dimensions (mm)										Bolts	O-ring
		ØLK	ØA	ØB	D	F	G	P	Q	T (Metric)	ØK	Metr.	
8.8													
250	WP-3-LK30-L12#K	30	12,5	12 L	9,5	58	42,5	19	37	18x1,5	6,4	3 x M6x25	16x2,5
250	WP-3-LK30-L15#K	30	12,5	15 L	9,5	58	42,5	19	37	22x1,5	6,4	3 x M6x25	16x2,5
160	WP-3-LK40-L22#K	40	19	22 L	13,5	70	54	25	43	30x2	8,4	3 x M8x30	24x2,5
160	WP-3-LK40-L28#K	40	19	28 L	13,5	70	54	25	43	36x2	8,4	3 x M8x30	24x2,5

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

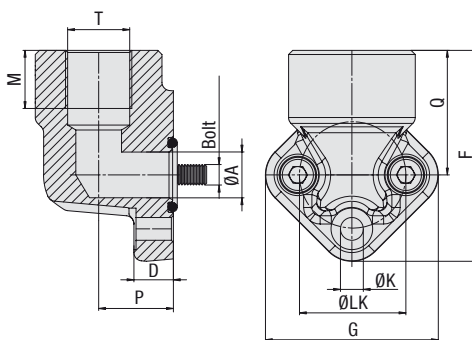
3-hole 90° Screw-in BSPP Threaded Flange WP-3-LK-G

Order Codes

★ 3-hole 90° Screw-in
BSPP Threaded Flange

WP-3-LK...-G...#K

Including Metric bolts 8.8, spring rings and
O-ring made of NBR (Buna-N®)
(packed in kits)



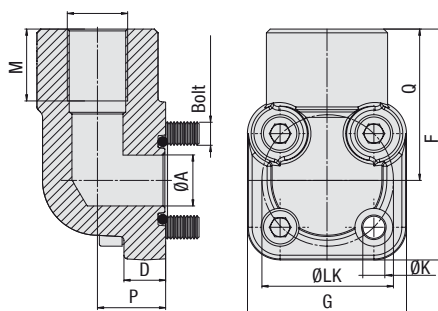
**Material
Surface**

S355J0 or equivalent
ZnNi

PN (bar) ¹	Order Codes	Dimensions (mm)										Bolts Metr.	O-ring
		ØLK	ØA	D	F	G	M	P	Q	T (BSPP)	ØK		
300	WP-3-LK26-G038#K	26	11,5	9,5	51	42	14	18	30	3/8	5,5	3 x M5x20	14x1,78
300	WP-3-LK26-G012#K	26	11,5	9,5	51	42	14	18	30	1/2	5,5	3 x M5x20	14x1,78
300	WP-3-LK30-G038#K	30	11,5	9,5	51	42	14	18	30	3/8	6,5	3 x M6x20	16x2,5
300	WP-3-LK30-G012#K	30	11,5	9,5	51	42	14	18	30	1/2	6,5	3 x M6x20	16x2,5
300	WP-3-LK40-G012#K	40	20	11,5	68	61	18	21	38	1/2	8,5	3 x M8x25	24x2,5
300	WP-3-LK40-G034#K	40	20	11,5	68	61	22	21	38	3/4	8,5	3 x M8x25	24x2,5
300	WP-3-LK51-G034#K	51	25	13,5	84	75	22	27	47	3/4	10,5	3 x M10x30	32x2,5
300	WP-3-LK51-G100#K	51	25	13,5	84	75	27	27	47	1	10,5	3 x M10x30	32x2,5
300	WP-3-LK56-G034#K	56	34	13,5	84	75	22	27	47	3/4	10,5	3 x M10x30	38x2,5
300	WP-3-LK56-G100#K	56	34	13,5	84	75	27	27	47	1	10,5	3 x M10x30	38x2,5

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

4-hole 90° Screw-in BSPP Threaded Flange WP-LK-G



Material S355J0 or equivalent
Surface ZnNi

Order Codes

★ 4-hole 90° Screw-in
BSPP Threaded Flange

WP-LK...-G...#K

Including Metric bolts 8.8, spring rings and
O-ring made of NBR (Buna-N®)
(packed in kits)

PN (bar) ¹	Order Codes	Dimensions (mm)										Bolts	O-ring
		ØLK	ØA	D	F	G	M	P	Q	T (BSPP)	ØK		
8.8												Metr.	
300	WP-LK35-G038#K	35	13,5	11	61	42	19	18	40	3/8	6,5	2 x M6x20 2 x M6x35	19x2,5
300	WP-LK35-G012#K	35	13,5	11	61	42	19	18	40	1/2	6,5	2 x M6x20 2 x M6x35	19x2,5
300	WP-LK40-G012#K	40	20	10	67,5	45	19	24	45	1/2	6,5	2 x M6x25 2 x M6x45	24x2,5
300	WP-LK40-G034#K	40	20	10	67,5	45	20	24	45	3/4	6,5	2 x M6x25 2 x M6x45	24x2,5
300	WP-LK40-G100#K	40	20	10	67,5	45	22	24	45	1	6,5	3 x M6x25 2 x M6x55	24x2,5
250	WP-LK55-G100#K	55	25	13	83,5	59	22	35	54	1	8,5	2 x M8x25 2 x M8x60	32x2,5
250	WP-LK55-G114#K	55	25	13	83,5	59	25	35	54	1-1/4	8,5	3 x M8x25 2 x M8x70	32x2,5

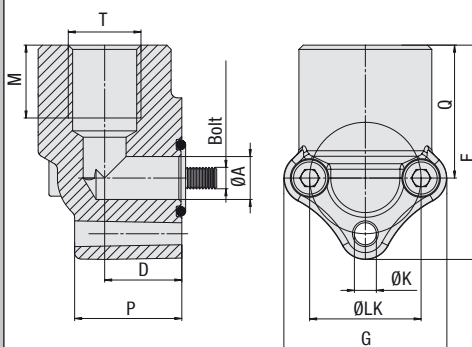
¹ The maximum working pressure PN (bar) applies only to the flange itself. The actual maximum working pressure depends on the thickness and the quality of the tube used.

3-hole 90° Screw-in BSPP Threaded Flange (Aluminium) WP-3-LK-G-W50

Order Codes

★ 3-hole 90° Screw-in
BSPP Threaded Flange **WP-3-LK...-G...W50#K**

Including Metric bolts 8.8, spring rings and
O-ring made of NBR (Buna-N®)
(packed in kits)



Material

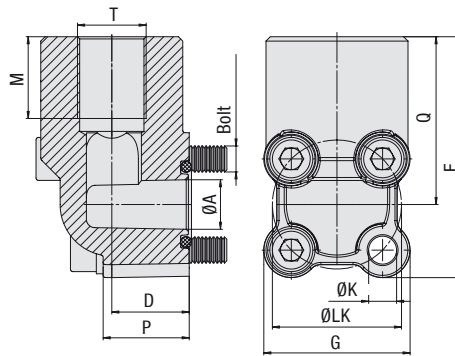
Aluminium [EN AC-Al Si9Cu(Fe)]

PN (bar) ¹	Order Codes	Dimensions (mm)										Bolts	O-ring
		ØLK	ØA	D	F	G	M	P	Q	T (BSPP)	ØK	Metr.	
180	WP-3-LK26-G038-W50#K	26	10	25	50	38	17	18	31	3/8	6	3 x M5x35	14x1,78
180	WP-3-LK26-G012-W50#K	26	10	25	50	38	18	18	31	1/2	6	3 x M5x35	14x1,78
180	WP-3-LK30-G038-W50#K	30	12,5	26	53	40	17	18	31	3/8	7	3 x M6x35	15,88x2,62
180	WP-3-LK30-G012-W50#K	30	12,5	26	53	44	18	18	31	1/2	7	3 x M6x35	15,88x2,62
180	WP-3-LK40-G012-W50#K	40	18	31	68	56	18	21,5	40	1/2	9,5	3 x M8x45	21,89x2,62
180	WP-3-LK40-G034-W50#K	40	18	31	68	56	22	21,5	40	3/4	9,5	3 x M8x45	21,89x2,62
180	WP-3-LK51-G034-W50#K	51-56	24,5	42	85	78	22	26	46	3/4	11	3 x M10x60	29,74x2,62
180	WP-3-LK51-G100-W50#K	51-56	24,5	42	85	78	27	26	46	1	11	3 x M10x60	29,74x2,62

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

4-hole 90° Screw-in BSPP Threaded Flange (Aluminium)

WP-LK-G-W50



Material Aluminium [EN AC-Al Si9Cu(Fe)]

Order Codes

★ 4-hole 90° Screw-in
BSPP Threaded Flange

WP-LK...-G...W50#K

Including Metric bolts 8.8, spring rings and
O-ring made of NBR (Buna-N®)
(packed in kits)

PN (bar) ¹	Order Codes	Dimensions (mm)										Bolts	O-ring
		ØLK	ØA	D	F	G	M	P	Q	T (BSPP)	ØK		
8.8												Metr.	
180	WP-LK30-G038-W50#K	30	11,5	20	56	34	19	18	39	3/8	6,5	2 x M6x30 2 x M6x40	15,88x2,62
180	WP-LK30-G012-W50#K	30	11,5	20	56	34	19	18	39	1/2	6,5	2 x M6x30 2 x M6x40	15,88x2,62
180	WP-LK35-G038-W50#K	35	14	20	61,5	38	19	18	42,5	3/8	6,5	2 x M6x30 2 x M6x40	18,72x2,62
180	WP-LK35-G012-W50#K	35	14	20	61,5	38	19	18	42,5	1/2	6,5	2 x M6x30 2 x M6x40	18,72x2,62
180	WP-LK40-G012-W50#K	40	18	28	69	43	19	24	47,5	1/2	6,5	2 x M6x40 2 x M6x50	21,89x2,62
180	WP-LK40-G034-W50#K	40	18	28	69	43	20	24	47,5	3/4	6,5	2 x M6x40 2 x M6x50	21,89x2,62
180	WP-LK55-G034-W50#K	55	24,5	31	83	58	20	29	54	3/4	8,5	2 x M8x45 2 x M8x60	29,74x2,62
180	WP-LK55-G100-W50#K	55	24,5	31	83	58	22	29	54	1	8,5	2 x M8x45 2 x M8x60	29,74x2,62

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

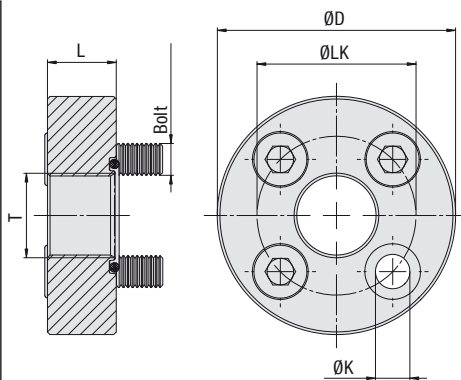
4-hole Screw-in BSPP Threaded Flange (Flat Style) GP-FL-LK-G

Order Codes

★ 4-hole Screw-in BSPP
Threaded Flange (Flat Style)

GP-FL-LK...-G...#K

Including Metric bolts 8.8 and
O-ring made of NBR (Buna-N®)
(packed in kits)



**Material
Surface**

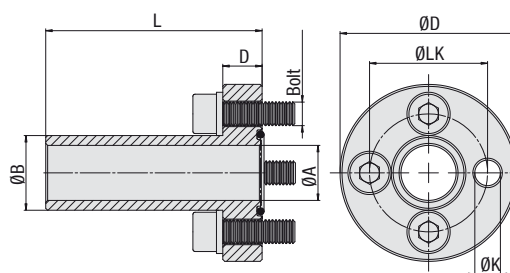
S355J0 or equivalent
CrVI-free

PN (bar) ¹	Order Codes	Dimensions (mm)					Bolts Metr.	O-ring
		ØLK	ØD	L	T (BSPP)	ØK		
250	GP-FL-LK30-G038#K	30	45	13	3/8	6,5	M6x16	18,77x1,78
250	GP-FL-LK40-G012#K	40	58	15	1/2	8,5	M8x20	25,12x1,78
250	GP-FL-LK51-G034#K	51	75	18	3/4	10,5	M10x25	31,42x2,62
250	GP-FL-LK56-G034#K	56	75	18	3/4	10,5	M10x25	31,42x2,62
180	GP-FL-LK62-G100#K	62	88	20	1	10,5	M10x25	39,69x3,53
180	GP-FL-LK62-G100-M12#K	62	88	20	1	12,5	M12x25	39,69x3,53
180	GP-FL-LK72,5-G114#K	72,5	98	22	1-1/4	12,5	M12x30	47,22x3,53

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

4-hole Butt Weld Flange

GP-LK...-ST.../...#K



Material S355J0 or equivalent
Surface: blank, oiled

Order Codes

★ 4-hole Butt Weld Flange **GP-LK...-ST.../...#K**

Including Metric bolts 8.8, spring rings and
 O-ring made of NBR (Buna-N®)
 (packed in kits)

PN (bar) ¹	Order Codes	Dimensions (mm)							Bolts	O-ring
		ØLK	ØA	ØB	D	ØD	L	ØK		
8.8									Metr.	
250	GP-LK30-ST-19/14#K	30	14	19	10	45	55	6,5	M6x20	18,77x1,78
250	GP-LK40-ST-25,4/19#K	40	19	25,4	12	58	60	8,5	M8x25	25,12x1,78
250	GP-LK51-ST-32/24,5#K	51	24,5	32	16	76	72	10,5	M10x35	31,42x2,62
250	GP-LK56-ST-32/24,5#K	56	24,5	32	16	76	72	10,5	M10x35	31,42x2,62

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

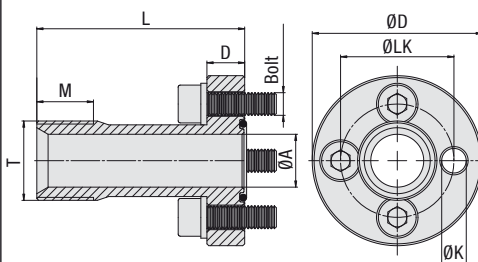
4-hole Fitting Flange with BSP 60° Cone Connector (acc. to BS 5200) GP-LK...-AG...#K

Order Codes

★ 4-hole Fitting Flange
with 60° Cone Connector

GP-LK...-AG...#K

Including Metric bolts 8.8, spring rings and
O-ring made of NBR (Buna-N®)
(packed in kits)



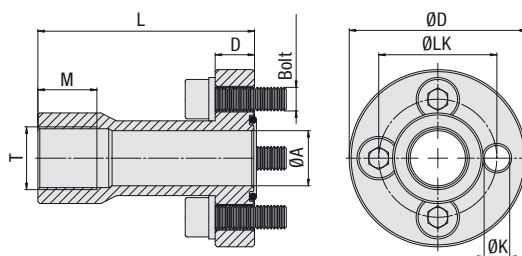
Material
Surface

S355J0 or equivalent
CrVI-free

PN (bar) ¹	Order Codes	Dimensions (mm)								Bolts Metr.	O-ring
		ØLK	ØA	D	ØD	L	M	T (BSPP)	ØK		
8.8											
250	GP-LK30-AG012#K	30	14	10	45	55	15	1/2	6,5	M6x20	18,77x1,78
250	GP-LK40-AG034#K	40	19	12	58	60	16	3/4	8,5	M8x25	25,12x1,78
250	GP-LK51-AG100#K	51	24	16	76	72	19	1	10,5	M10x35	31,42x2,62
250	GP-LK56-AG100#K	56	24	16	76	72	19	1	10,5	M10x35	31,42x2,62

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

4-hole Screw-in BSPP Threaded Flange GP-LK...-G...#K



Material S355J0 or equivalent
Surface: CrVI-free

Order Codes

★ 4-hole Screw-in BSPP
Threaded Flange

GP-LK...-G...#K

Including Metric bolts 8.8, spring rings and
O-ring made of NBR (Buna-N®)
(packed in kits)

PN (bar) ¹	Order Codes	Dimensions (mm)								Bolts	O-ring
		ØLK	ØA	D	ØD	L	M	T (BSPP)	ØK		
8.8										Metr.	
250	GP-LK30-G038#K	30	14	10	45	55	15	3/8	6,5	M6x20	18,77x1,78
250	GP-LK40-G012#K	40	19	12	58	60	16	1/2	8,5	M8x25	25,12x1,78
250	GP-LK51-G034#K	51	24,5	16	76	72	19	3/4	10,5	M10x35	31,42x2,62
250	GP-LK56-G034#K	56	24,5	16	76	72	19	3/4	10,5	M10x35	31,42x2,62

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

