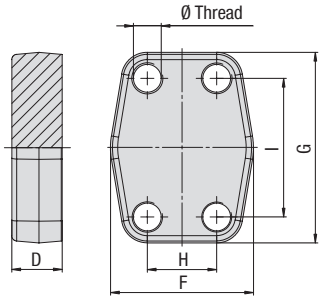

SAE Single-Part Blanking Counterflange Type BAS-CP ▪ 3000 / 6000 PSI Series

3000 PSI Standard Pressure Series (based on ISO 6162-1:2002)

Nominal Size		PN[1] (bar/PSI)		Dimensions (mm/in)					Weight (kg/lbs) ca.	for Bolts		Ordering Codes
DN	(in)	8.8	10.9 (MH)	D	F	G	H	I	per 100	Metric[3]	UNC	
13	1/2	350	350	16	47	57	17,5	38,1	25,2	M8	5/16–18 UNC	BAS-301-CP-W1
		5075	5075	.63	1.85	2.24	.69	1.50	55.44			
19	3/4	350	350	18	50	67	22,3	47,6	31,9	M10	3/8–16 UNC	BAS-302-CP-W1
		5075	5075	.71	1.97	2.64	.88	1.87	70.18			
25	1	250	315	19	54	72	26,2	52,4	49,1	M10	3/8–16 UNC	BAS-303-CP-W1
		3625	4568	.75	2.13	2.83	1.03	2.06	108.02			
32	1-1/4	200	250	18	68	82	30,2	58,7	60,0	M10 (M12)	7/16–14 UNC	BAS-304-CP-W1
		2900	3625	.71	2.68	3.23	1.19	2.31	132.00			
38	1-1/2	200	200	20	79	96	35,7	69,9	83,4	M12 (M14)	1/2–13 UNC	BAS-305-CP-W1
		2900	2900	.79	3.11	3.78	1.41	2.75	183.48			
51	2	160	200	20	88	102	42,9	77,8	110,6	M12 (M14)	1/2–13 UNC	BAS-306-CP-W1
		2320	2900	.79	3.46	4.02	1.69	3.06	243.32			
64	2-1/2	100	160	20	101	115	50,8	88,9	145,2	M12 (M14)	1/2–13 UNC	BAS-307-CP-W1
		1450	2320	.79	3.98	4.53	2.00	3.50	319.44			
76	3	100	160	24	127	137	61,9	106,4	252,4	M16	5/8–11 UNC	BAS-308-CP-W1
		1450	2320	.94	5.00	5.39	2.44	4.19	555.28			
89	3-1/2	35	35	22	138	155	69,8	120,7	292,8	M16	5/8–11 UNC	BAS-309-CP-W1
		508	508	.87	5.43	6.10	2.75	4.75	644.16			
102	4	35	35	25	147	163	77,8	130,2	379,6	M16	5/8–11 UNC	BAS-310-CP-W1
		508	508	.98	5.79	6.42	3.06	5.13	835.12			
127	5	35	35	25	180	184	92	152,4	586,3	M16	5/8–11 UNC	BAS-311-CP-W1
		508	508	.98	7.09	7.24	3.62	6.00	1289.86			

Please see Page 89 for separate Bolt Sets and Sealings.

6000 PSI High Pressure Series (based on ISO 6162-2:2002)

Nominal Size		PN[1] (bar/PSI)		Dimensions (mm/in)					Weight (kg/lbs) ca.	for Bolts		Ordering Codes
DN	(in)	8.8	10.9 (MH)	D	F	G	H	I	per 100	Metric	UNC	
13	1/2	350	420	16	47	57	18,2	40,5	25,6	M8	5/16–18 UNC	BAS-601-CP-W1
		5075	6090	.63	1.85	2.24	.72	1.59	56.32			
19	3/4	350	420	19	54	72	23,8	50,8	49,0	M10	3/8–16 UNC	BAS-602-CP-W1
		5075	6090	.75	2.13	2.83	.94	2.00	107.80			
25	1	350	420	24	68	82	27,8	57,2	79,5	M12	7/16–14 UNC	BAS-603-CP-W1
		5075	6090	.94	2.68	3.23	1.09	2.25	174.90			
32	1-1/4	350	420	27	79	95	31,8	66,6	122,4	M12	1/2–13 UNC	BAS-604-CP-W1
		5075	6090	1.06	3.11	3.74	1.25	2.62	269.28			
32	1-1/4	350	420	27	79	95	31,8	66,6	114,9	M14		BAS-604-CP-M14-W1
		5075	6090	1.06	3.11	3.74	1.25	2.62	252.78			
38	1-1/2	350	420	30	88	108	36,5	79,3	185,1	M16	5/8–11 UNC	BAS-605-CP-W1
		5075	6090	1.18	3.46	4.25	1.44	3.12	407.22			
51	2	350	420	30	118	137	44,5	96,8	266,7	M20	3/4–10 UNC	BAS-606-CP-W1
		5075	6090	1.18	4.65	5.39	1.75	3.81	586.74			
64	2-1/2	350	420	45	152	180	58,7	123,8	774,6	M24		BAS-607-CP-W1
		5075	6090	1.77	5.98	7.09	2.31	4.87	1704.12			
76	3	350	420	55	178	208	71,4	152,4	737,4	M30		BAS-608-CP-W1
		5075	6090	2.17	7.01	8.19	2.81	6.00	1622.28			

Please see Page 89 for separate Bolt Sets and Sealings.

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

Materials / Ordering Options / Examples

* SAE Single-Part Blanking Counterflange made of Steel S355J0 or equivalent, blank (oiled) with Metric tapped holes — **BAS-...-CP-W1**
* SAE Single-Part Blanking Counterflange made of Stainless Steel V4A – 1.4404 (on request) with Metric tapped holes — **BAS-...-CP-W5**
* SAE Single-Part Blanking Counterflange made of Steel S355J0 or equivalent, blank (oiled) with size of Metric tapped holes deviating from the standard (e.g. M14) — **BAS-...-CP-M14-W1**
* SAE Single-Part Blanking Counterflange made of Steel S355J0 or equivalent, blank (oiled) with UNC tapped holes — **BAS-...-CP-U-W1**