Disc Brake SF

Dimensions and technical data

MB-001701 c
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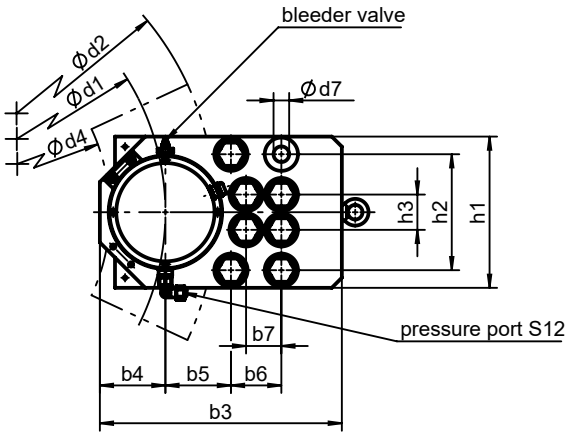
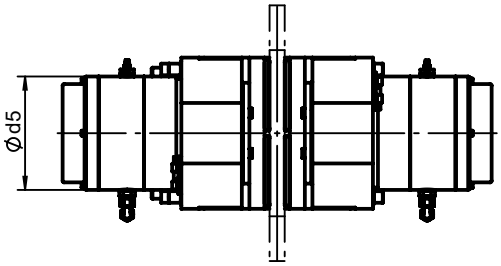
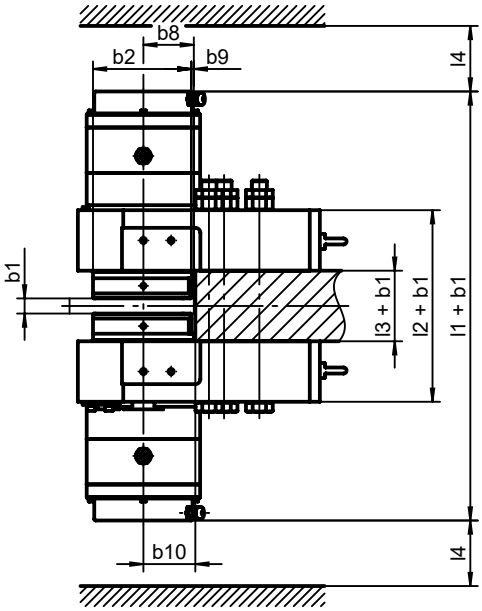
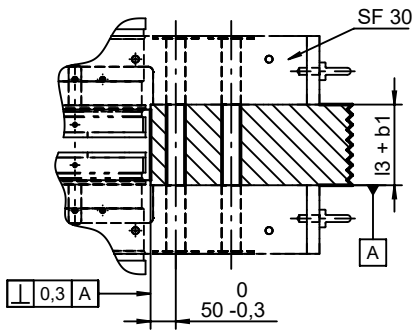
Reifenrath









All dimensions in mm
Alterations reserved without notice

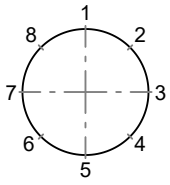
Type SF		10	15	24	30	40
b_2		165	165	195	280	300
b_3		410	410	480	640	720
b_4		110	110	130	155	175
b_5		115	115	130	200	220
b_6		85	85	100	110	125
b_7		60	60	70	110	125
b_8		85	85	100	140	160
b_9		5	5	5	5	10
b_{10}		90	90	105	150	170
d_5		175	175	225	280	310
d_7		25	25	31	38	50
h_1		270	270	300	400	480
h_2		220	220	230	300	375
h_3		90	90	70	100	125
l_1		657	687	821	955	997
l_2		300	300	350	402	506
l_3		100	100	110	130	110
l_{4min}		110	110	130	180	200
Bolts (10.9)		M24	M24	M30	M36	M48
Tighten. torque (μ=0,12)	Nm	1017	1017	2033	3535	8550
Data per caliper half: Contact force F_A	kN	100	150	240	300	400
Operating pressure	bar	140	180	180	210	210
Max. pressure	bar	200	200	200	240	240
Release stroke	mm	2	2	2	2	2
Oil volume	l	0,023	0,023	0,035	0,050	0,052
Pad surface	cm²	398	398	533	1050	1360
Theor. friction factor	μ*	0,40	0,40	0,40	0,40	0,40
Weight	kg	200	210	368	750	1180

*) Average static friction factor of standard material combination

The friction coefficient is subject to fluctuations depending on operational-, material- and ambient-conditions! This must be considered during the selection!

brake torque M_{Br} in Nm = F_A (kN) x μ x d1 (mm)

Please indicate required mounting position.



Brake disc data					
	SF 10	SF 15	SF 24	SF 30	SF 40
d_1 =	d_2 - 170	d_2 - 170	d_2 - 200	d_2 - 290	d_2 - 320
d_4 =	d_2 - 420	d_2 - 420	d_2 - 490	d_2 - 620	d_2 - 700

d_2 = Brake disc diameter in mm
d_1 = Friction diameter in mm
d_4 = Max. permissible drum or hub diameter in mm
b_1 = Disc thickness in mm (min. 30)