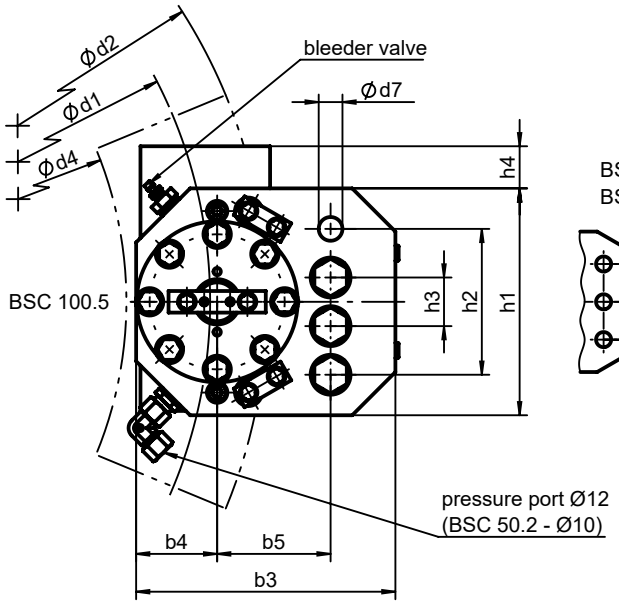
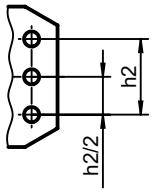
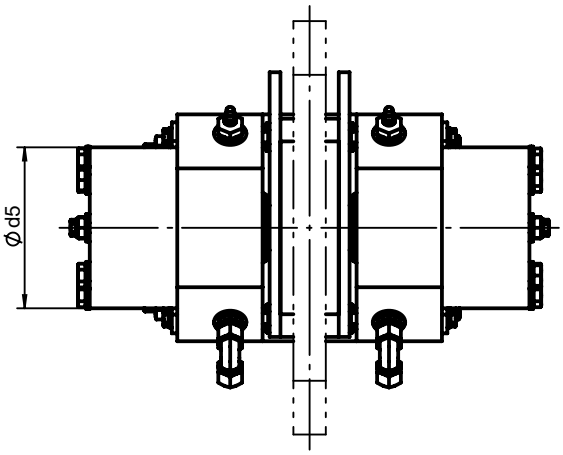
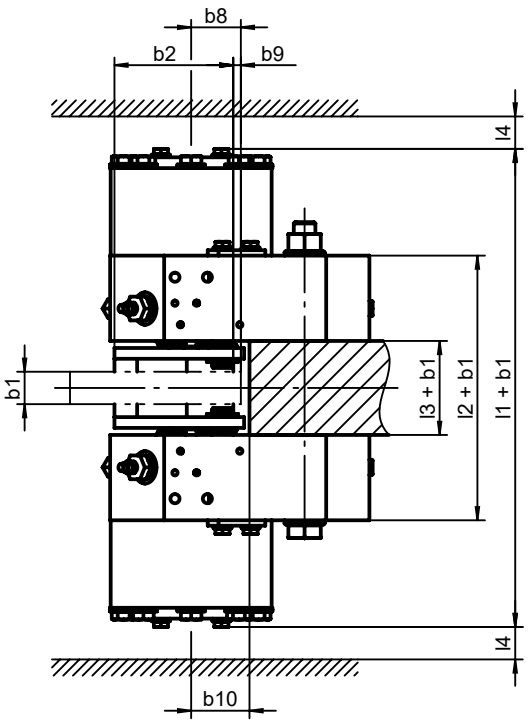
Disc Brake BSC
Dimensions and technical data

MB-001707 d
18.02.2021
Reifenrath









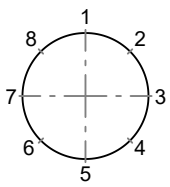
All dimensions in mm
Alterations reserved without notice

*) 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.



Type BSC		50.2	95.5	100.5	
	kN	7	20	35	50
b_2		63	110	110	
b_3		128	213	240	
b_4		42	75	75	
b_5		62	106	105	
b_8		33	60	46	
b_9		5	7	7	
b_{10}		40	68	54	
d_5		84	149	149	
d_7		14	21	22	
h_1		130	220	210	
h_2		70	95	135	
h_3		-	-	45	
h_4		30	34	39	
l_1		227	414	406	413
l_2		108	137	215	
l_3		38	57	57	
l_{4min}		80	50	120	
Bolts		M12	M20	M20	
Bolt material		10.9	10.9	10.9	
Tighten. torque (µ=0,12)	Nm	123	592	592	
Data per caliper half: Contact force F_A	kN	7	20	35	50
Data per caliper half: Operating pressure	bar	60	60	100	160
Data per caliper half: Max. pressure	bar	90	100	180	
Data per caliper half: Release stroke	mm	1	1	1	
Data per caliper half: Oil volume	l	0,002	0,004	0,005	
Data per caliper half: Pad surface	cm^2	73	191	191	
Data per caliper half: Theor. friction factor	µ*	0,40	0,40	0,40	
Data per caliper half: Weight	kg	12	67	82	

Brake disc data			
	BSC 50.2	BSC 95.5	BSC 100.5
d_1 =	d_2 - 70	d_2 - 105	d_2 - 105
d_4 =	d_2 - 170	d_2 - 284	d_2 - 260

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 = Brake disc thickness in mm