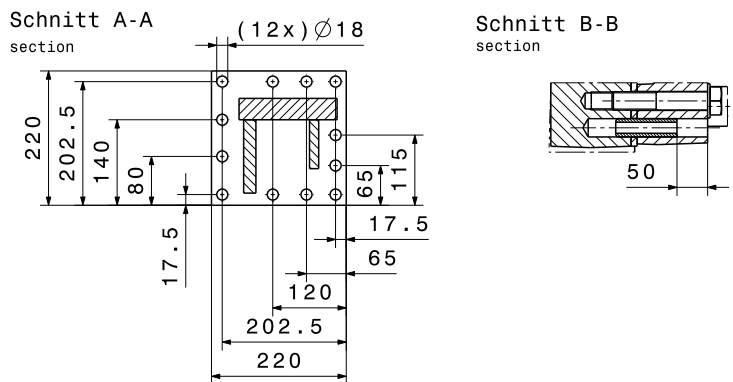
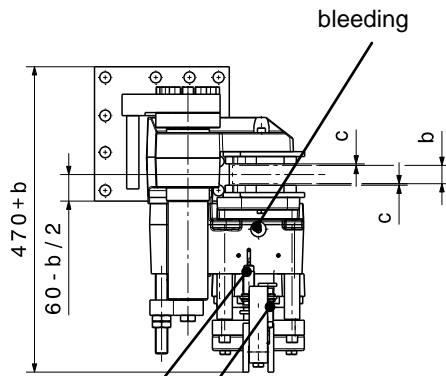


Schnitt A-A section



hydraulic connection M14x1.5

Schnitt B-B section



bleeding

optional limit switch:
Belagverschleiß

optional limit switch:
brake open/ close

SHI-Type SHI 100 FC		1	2	3	4	5	6	7	
Clamping Force F_A									
F_A	with airgap $c = 1,0$ mm	kN	28,0	43,7	52,2	68,7	77,0	98,0	115,0
F_A	with airgap $c = 1,5$ mm	kN	27,0	41,3	48,8	62,7	74,4	88,0	94,0
Torque Calculation									
M_{Br}	braking torque	Nm	2 x F_A x μ x (d/2-60)						
Hydraulic									
P_L	release pressure	bar	35	50	60	80	95	145	175
P_{max}	max. pressure	bar	110	110	110	110	150	175	205
V_{max}	volume at $c = 1,5$ mm	ltr	0,034						
Brake Disc									
b	disc thickness	mm	20 ≤ b ≤ 40						
d	disc-Ø	mm	650 ≤ d ≤ 3000						
d ₁	max. hub-/ drum-Ø	mm	d-280 mm						
Dimensions									
L x B x H = 343 x (470+b) x 570 mm									
max. weight: 180 kg									

Mounting Studs				
Type SHI FC	101 – 103	104 – 105	106 – 107	
n	quantity	12	12	12
	size, grade	M16, 12.9	M16, 12.9	M16, 12.9
M_A	fastening torque in Nm	355 at $\mu = 0,14$	355 at $\mu = 0,14$	355 at $\mu = 0,14$
Linings				
material		Sinter		
friction coefficient* ¹	μ	0,4		
* ¹ average friction coefficient with standard material combination and a circumferential speed up to 15 m/s				

When ordering please advise: right hand version, as shown; left hand version, mirror inverted!