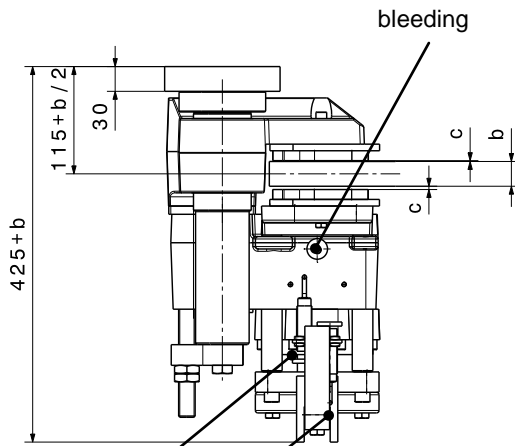
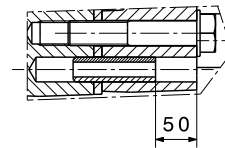


Schnitt A-A section

hydraulic connection M14x1.5



bleeding

optional limit switch:
lining wear

optional limit switch:
brake open/ close

Mounting Studs			
Type SHI FC	101 – 103	104 – 105	106 – 107
n quantity	6	6	6
size, grade	M20, 12.9	M20, 12.9	M20, 12.9
M _A fastening torque in Nm	690 at $\mu = 0,14$	690 at $\mu = 0,14$	690 at $\mu = 0,14$
Linings			
material		sinter	
friction coefficient* ¹	μ	0,4	

*¹average friction coefficient with standard material combination and a circumferential speed up to 15 m/s

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 = 1,5mm	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 = 261 x (425+b) x 510 mm									
max. weight: 155 kg									

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