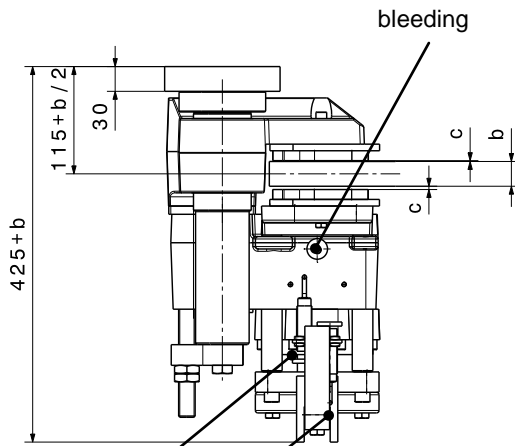
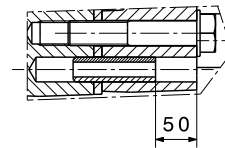


Schnitt A-A section

hydraulic connection M14x1.5



bleeding

optional limit switch:  
lining wear

optional limit switch:  
brake open/ close

SHI-Type SHI 100 FC		1	2	3	4	5	6	7	
<b>Clamping Force <math>F_A</math></b>									
$F_A$	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
<b>Torque Calculation</b>									
$M_{Br}$	braking torque	Nm	$2 \times F_A \times \mu \times (d/2-60)$						
<b>Hydraulic</b>									
$P_L$	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						
<b>Brake Disc</b>									
b	disc thickness	mm	$20 \leq b \leq 40$						
d	disc-Ø	mm	$650 \leq d \leq 3000$						
$d_1$	max. hub-/ drum-Ø	mm	$d-280$ mm						
<b>Dimensions</b>									
$L \times B \times H = 261 \times (425+b) \times 510$ mm									
max. weight: 155 kg									

Mounting Studs			
Type SHI FC	101 – 103	104 – 105	106 – 107
n	quantity	6	6
	size, grade	M20, 12.9	M20, 12.9
$M_A$	fastening torque in Nm	690 at $\mu = 0,14$	690 at $\mu = 0,14$
<b>Linings</b>			
material		sinter	
friction coefficient*1	$\mu$	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!