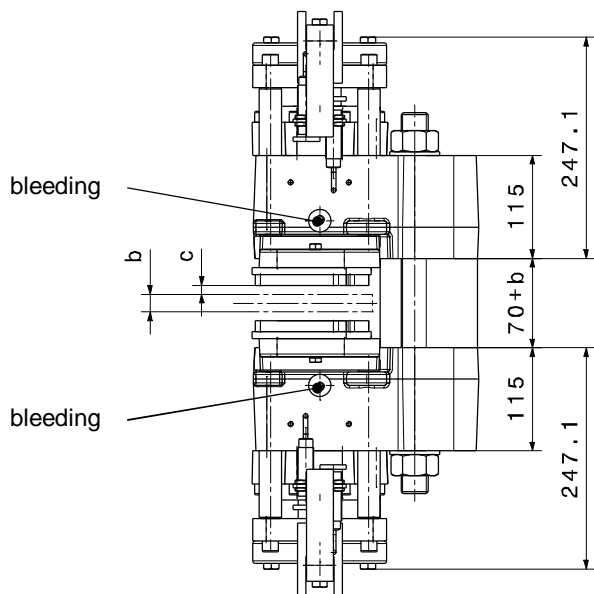


Schnitt A-A section

hydraulic connection M16x1.5



SHI-Type		106	107	
Clamping Force F_A				
F_A	with airgap $c = 1 \text{ mm}$	kN	110	140
F_A	with airgap $c = 2 \text{ mm}$	kN	98	115
F_A	with airgap $c = 3 \text{ mm}$	kN	88	94
Torque Calculation				
M_{Br}	braking torque	Nm	$2 \times F_A \times \mu \times (d/2-60)$	
Hydraulic				
P_L	release pressure	bar	145	175
P_{max}	max. pressure	bar	175	205
V_{max}	volumen at $c = 2,0 \text{ mm}$	ltr	0,046	
Brake Discs				
b	disc thickness	mm	~ 20	
d	disc- \emptyset	mm	~ 650	
d_1	max. hub or drum- \emptyset	mm	d-280mm	
Dimensions				
L x W x H = 253 x (612+b) x 310 mm				
weight: 130 kg				

Mounting Studs		
n	quantity, size, grade	3x M30, 12.9 + 4x DIN1481 $\emptyset 30 \times 100$
M_A	fastening torque	Nm 2400 at $\mu = 0,14$
Linings		
	material	sinter
	friction coefficient*	0,4

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