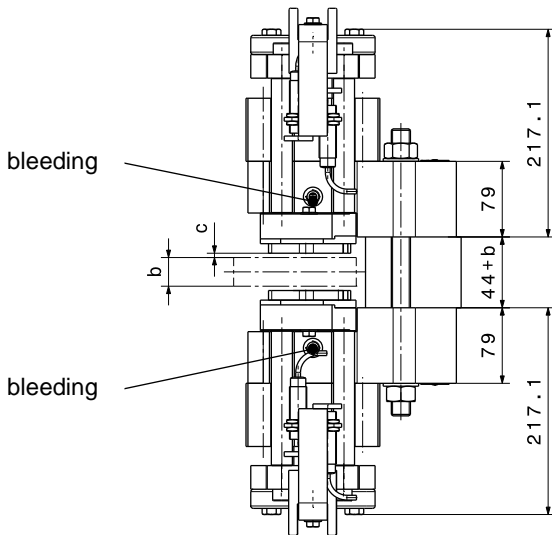


hydraulic connection M14x1.5



SHI-Type 75-			1	2	3	4	5	6
Clamping Force F_A								
F_A	with airgap $c = 1 \text{ mm}$	kN	18,3	22,4	25,4	30,6	44,5	49,8
F_A	with airgap $c = 2 \text{ mm}$	kN	17,9	20,7	23,9	27,6	41,0	47,3
F_A	with airgap $c = 3 \text{ mm}$	kN	17,6	19,0	22,4	24,6	37,0	44,4
Torque Calculation								
M_{Br}	braking torque	Nm	$2 \times F_A \times \mu \times (d/2-42,5)$					
Hydraulic								
P_L	release pressure	bar	45	55	65	80	120	135
P_{max}	max. pressure	bar	85	85	110	110	150	175
V_{max}	volume at $c = 2,0 \text{ mm}$	ltr	0,032					
Brake Discs								
b	disc thickness	mm	≥ 20					
d	disc-Ø	mm	≥ 400					
d_1	max. hub / drum-Ø	mm	d-230mm					
Dimensions								
			L x W x H = 220 x (520+b) x 279 mm					
			weight: 80 kg					

Mounting Studs		
n	quantity	4
	size, grade	M20, 12.9
M_A	fastening torque	Nm 690 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