



hydraulic connection M16x1.5

SHI-Type		103	
Clamping Force F_A			
F_A	with airgap $c = 1 \text{ mm}$	kN	55,4
F_A	with airgap $c = 2 \text{ mm}$	kN	52,2
F_A	with airgap $c = 3 \text{ mm}$	kN	48,8
Torque Calculation			
M_{Br}	braking torque	Nm	$2 \times F_A \times \mu \times (d/2-60)$
Hydraulic			
P_L	release pressure	bar	60
P_{max}	max. pressure	bar	110
V_{max}	volumen at $c = 2,0 \text{ mm}$	ltr	0,046
Brake Discs			
b	disc thickness	mm	~ 20
d	disc-Ø	mm	~ 650
d_1	max. hub or drum-Ø	mm	d-280mm
Dimensions			
L x B x H = 253 x (612+b) x 310 mm			
weight: 130 kg			

Mounting Studs			
n	quantity	3	
	size, grade	M30, 8.8	
M_A	fastening torque	Nm	1450 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