



SHI-Type		161	162	
Clamping Force F_A				
F_A	with airgap $c = 1 \text{ mm}$	kN	108	190
F_A	with airgap $c = 2 \text{ mm}$	kN	98	160
F_A	with airgap $c = 3 \text{ mm}$	kN	88	128
Torque Calculation				
M_{Br}	braking torque	Nm	$2 \times F_A \times \mu \times (d/2-62,5)$	
Hydraulic				
P_L	release pressure	bar	90	170
P_{max}	max. pressure	bar	150	205
V_{max}	volumen at $c = 2,0 \text{ mm}$	ltr	0,062	
Brake Discs				
b	disc thickness	mm	≥ 20	
d	disc- \emptyset	mm	≥ 900	
d_1	max. hub or drum- \emptyset	mm	$d-325\text{mm}$	
Dimensions				
$L \times B \times H = 325 \times (690+b) \times 350 \text{ mm}$				
weight: 230 kg				

Mounting Studs		
n	quantity	6
	size, grade	M30, 12.9
M_A	fastening torque	Nm 2200 bei $\mu=0,14$
Linings		
	material	sinter
	friction coefficient*	0,4

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