



SHI-Type		101	102	103	
<b>Clamping Force <math>F_A</math></b>					
$F_A$	with airgap $c = 1$ mm	kN	29,0	45,1	55,4
$F_A$	with airgap $c = 2$ mm	kN	28,0	43,7	52,2
$F_A$	with airgap $c = 3$ mm	kN	27,0	41,3	48,8
<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
$P_{max}$	max. pressure	bar	85	85	110
$V_{max}$	volume @ $c=2,0$ mm	ltr	0,046		
<b>Brake Discs</b>					
$b$	Disc thickness	mm	$\geq 20$		
$d$	Disc Diameter	mm			
$d_1$	max. hub or drum diam.	mm	d-280mm		
<b>Mass</b>					
$L \times W \times H = 255 \times (606+b) \times 310$ mm					
weight: 180 kg					

Mounting studs			
$n$	Number, Size, Grade	3xM30-8.8	
$M_A$	Fastening torque	Nm	1450 at $\mu=0,14$
linings			
	Material	sinter	
	Friction coefficient	0,4	