



		ABS 75 G
Piston diameter	Ød _p	75 mm
Piston area each side	A _p	4417 mm ²
Operating pressure	p	150 bar
Max. plant pressure	p _{max}	180 bar
Oil volume per 1 mm stroke	V _{Oil}	9 cm ³
Lining type		sinter
Lining surface	A _L	52 cm ²
Max. lining wear	s _L	8 mm
Nominal friction static	μ	0.4
Max. braking force (μ = 0.4)	F _{Br max}	53000 N
Maximum disc diameter	ØD _{max}	700 mm
Minimum disc diameter	ØD _{min}	300 mm
Disc thickness	b	20 – 25 mm
Temperature range (for lower temperatures please contact us)	T	-20 °C to 70 °C
Weight	m	18 kg

Calculation of Braking Torque

$$M_{Br} = F_{Br} \cdot \frac{D_1}{2} = A_p \cdot p \cdot \mu \cdot D_1$$