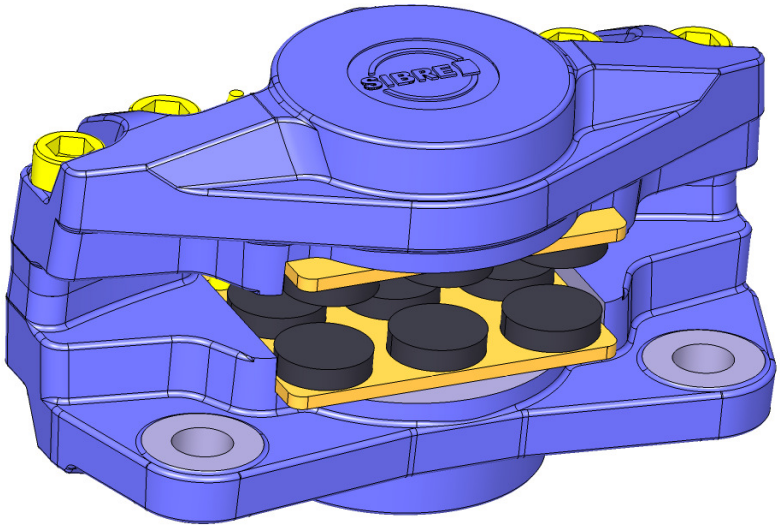
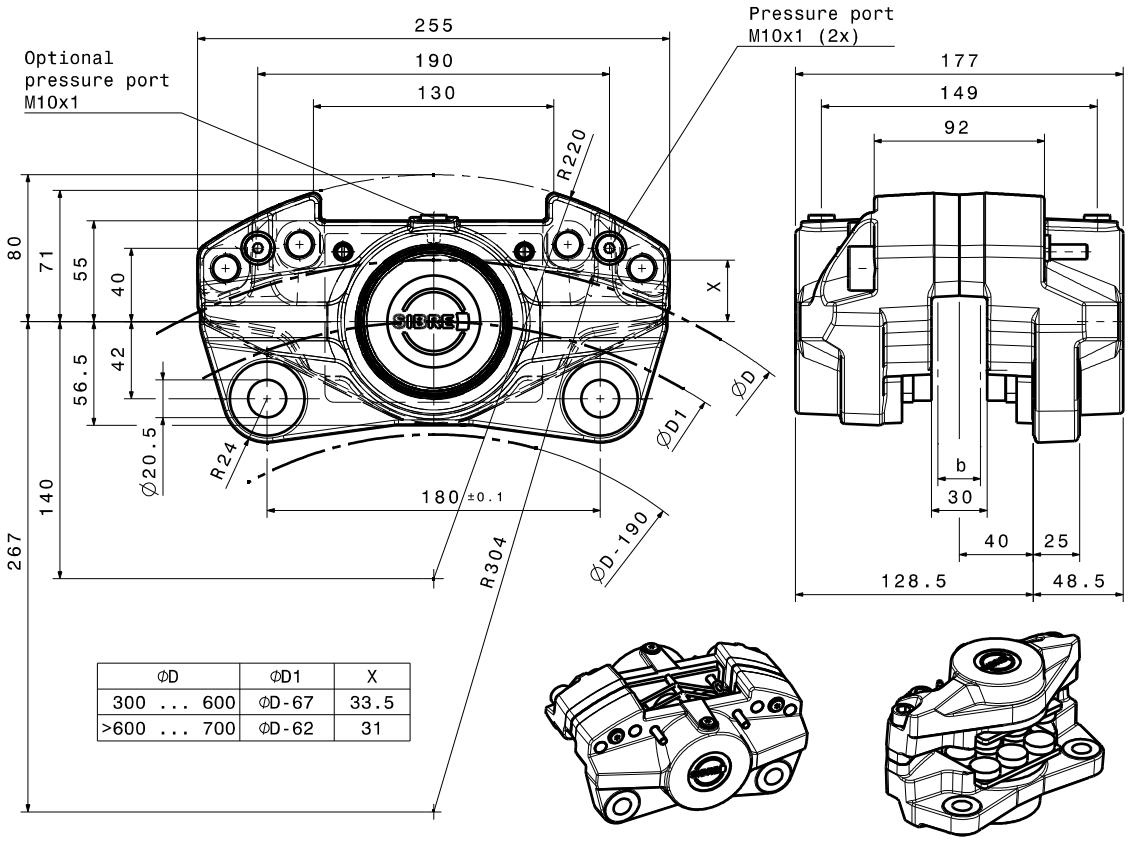
Disc Brake / Rotor Caliper
ABS 75 G



Description:
- The ABS 75 G brake is an active, hydraulically applied brake.
- The ABS 75 G brake consists of two independent caliper halves with opposite hydraulic cylinders.
- The ABS 75 G brake is suitable for horizontal and vertical brake discs under any angular displacement.

Design Advantage:
- Compact and robust construction
- Fast response time; fast braking for maximum safety
- Stainless steel piston
- High performance lining with stable friction coefficient
- Suitable for low temperature applications
- Long service life
- Easy access for minimal maintenance
- Suitable as rotor brake

Application:
Stopping and/or holding brake for wind turbines



ØD	ØD1	X
300 ... 600	ØD-67	33.5
>600 ... 700	ØD-62	31

		ABS 75 G
Piston diameter	$\varnothing d_P$	75 mm
Piston area each side	A_P	4417 mm²
Operating pressure	p	150 bar
Max. plant pressure	p_{max}	180 bar
Oil volume per 1 mm stroke	V_{Oil}	9 cm³
Lining type		sinter
Lining surface	A_L	52 cm²
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	$\varnothing D_{max}$	700 mm
Minimum disc diameter	$\varnothing D_{min}$	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

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

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