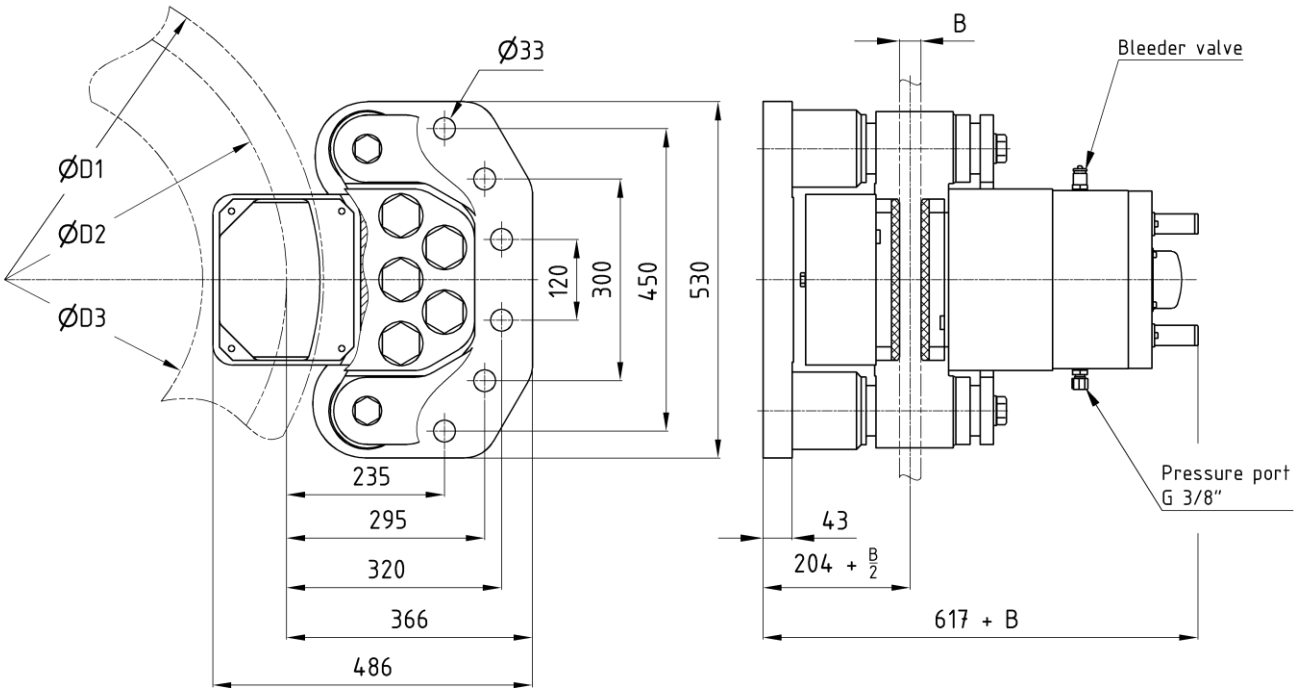
Disc brake DBF 320 S

dimensions and technical data



Order example: DBF 320.x S - D1 x B

dimensions in [mm]

Technical data

Braking torque [kNm]					
$M_{Br} = F_A * (D2 / 1000) * \mu$					
Friction coefficient $\mu = 0,4$					
Clamp force F_A [kN] 1)					
Air gap	1 mm	2 mm	3 mm	Pressure [bar]	M_A 2) [Nm]
DBF 320.1 S	200	170	140	145	1200
DBF 320.2 S	230	200	170	160	1200
DBF 320.3 S	260	230	200	180	1200
DBF 320.4 S	290	260	230	200	1200
DBF 320.5 S	320	290	260	215	1200
DBF 320.6 S	-	320	290	235	1200

Brake disc	
Brake disc diameter D1	min 800 mm
Friction diameter D2	D1 - 110 mm
Hub diameter D3	D1 - 360 mm
Brake disc thickness B	min 25 mm

Operational data	
Release time 3)	1 - 2,5 s
Theoretical close time 4)	ca. 0,2 s
Pad surface	315 cm²
Oil volume	0,28 l
Oil volume at working stroke	0,045 l
Hydraulic connection	G 3/8" / pipe Ø12 x 1,5
Operating temperature	-20°C bis +60°C
Screw size / strength	M30 - 8.8
Weight without mounting bracket	425 kg

- Axial clearance of ±15 mm can be compensated.
- Available with mounting bracket and assembled hydraulic power unit, filled and bleeded as „plug and play"- version.
- Inductive proximity switch for monitoring brake open position as standard.
- optional: Inductive proximity switch for monitoring Air gap and / or brake closed position.

1) The clamp force can vary between 5%.
2) Screw tightening torque is specified for ungreased thread. The usage of screws and nuts without surface treatment is recommended.
3) The brake release time depends strongly on the used hydraulic power unit.
4) The theoretical close time can only be achieved with the correct size of the hydraulic pipe.

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