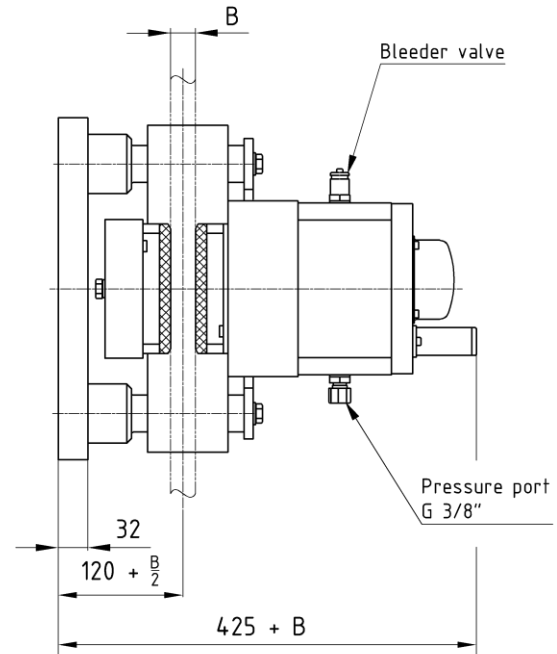
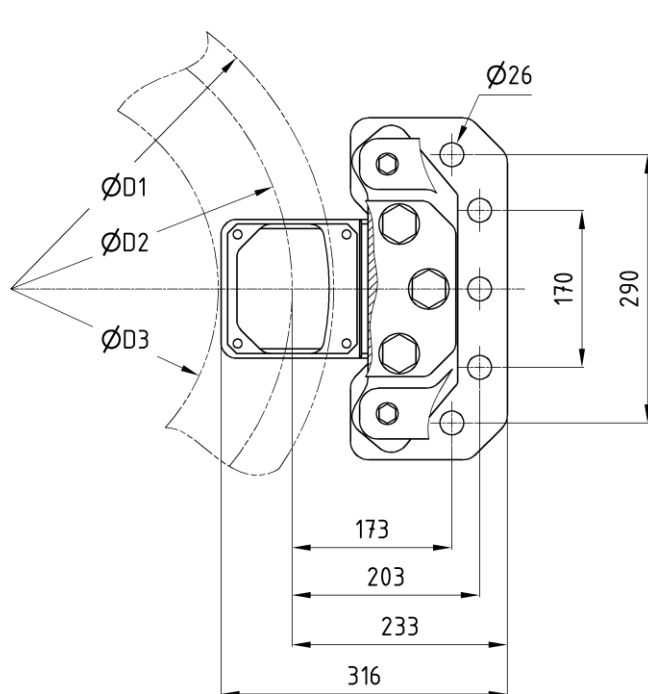


Disc brake DBF 60 S

dimensions and technical data

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Order example: DBF 60.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 60.1 S	11	10	9	30	650
DBF 60.2 S	21	20	19	40	650
DBF 60.3 S	31	30	29	60	650
DBF 60.4 S	42	40	38	70	650
DBF 60.5 S	52	50	48	90	650
DBF 60.6 S	62	60	58	100	650
Brake disc					
Brake disc diameter D1				min 630 mm	
Friction diameter D2				D1 - 90 mm	
Hub diameter D3				D1 - 260 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	126 cm ²
Oil volume	0,12 l
Oil volume at working stroke	0,02 l
Hydraulic connection	G 3/8" / pipe Ø12 x 1,5
Operating temperature	-20°C bis +60°C
Screw size / strength	M24 - 8.8
Weight without mounting bracket	115 kg

- Axial clearance of ± 15 mm can be compensated.
- Available with mounting bracket and assembled hydraulic power unit, filled and bled 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.