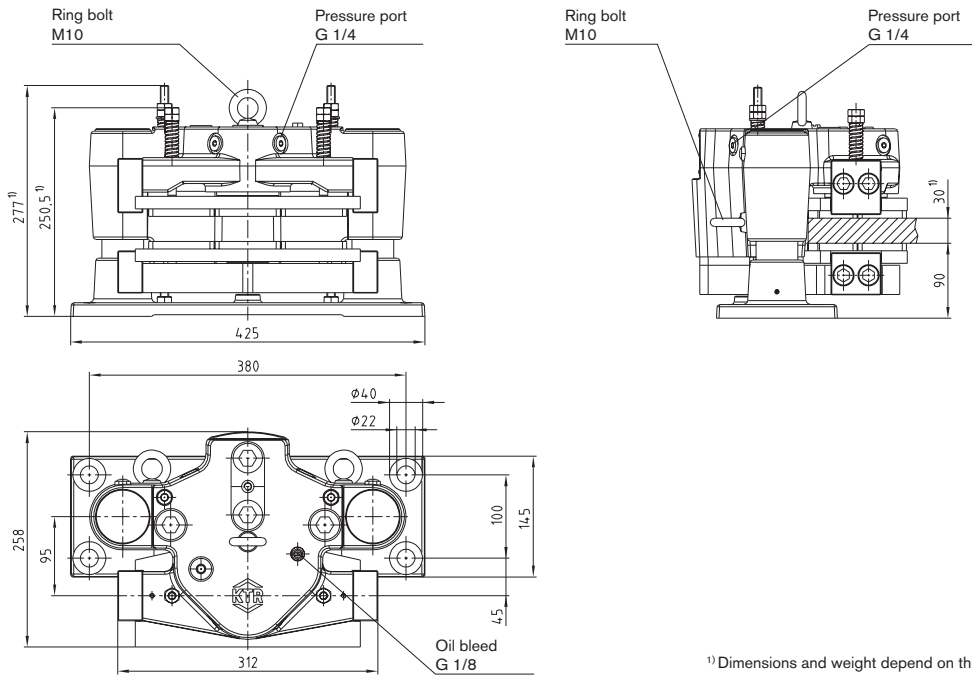


KTR-STOP® S-A-F

Active floating caliper brake

Hydraulic brake system



¹⁾ Dimensions and weight depend on thickness of brake disk.

KTR-STOP® S-A-F			
Total weight	approx. 76 kg ¹⁾	Max. clamping force	55 kN
Width of brake pad	125 mm	Max. operating pressure	125 bar
Surface of each brake pad	organic	Thickness of brake disk	20 mm - 40 mm
	powder metal	Pressure port	G 1/4
Max. wear of each brake pad	6 mm	Oil bleed	G 1/8
Nominal coefficient of friction ²⁾	μ = 0,4	Backlash on axles - towards mounting surface	5 mm
Total brake piston surface - complete brake	44,2 cm²	Backlash on axles - away from mounting surface	10 mm
Volume with 1 mm stroke - complete brake	4,42 cm³	Min. diameter of brake disk ØD _A	500 mm
		Operation temperature	-20 °C to +50 °C

²⁾ The coefficient of friction each depends on the application or material of the brake pad, respectively. Please consult with KTR.

Braking torque [Nm] with brake disk Ø [mm]			
Brake disk Ø [mm]	500	710	1000
Braking torque [Nm]	8100	12700	19100

Calculation of braking force

$$F_b = F_c \cdot 2 \cdot \mu$$

$$M_b = z \cdot F_b \cdot \frac{D_{av}}{2}$$

- F_b = Braking force [kN]
- F_c = Clamping force [kN]
- M_b = Braking torque [kNm]
- z = Number of brakes
- D_{av} = Effective diameter of brake [m]

Ordering example:	KTR-STOP®	S	-	A	-	F	A	-	30
	KTR brake	Size of brake		Active		Floater	Option		Thickness of brake disk

