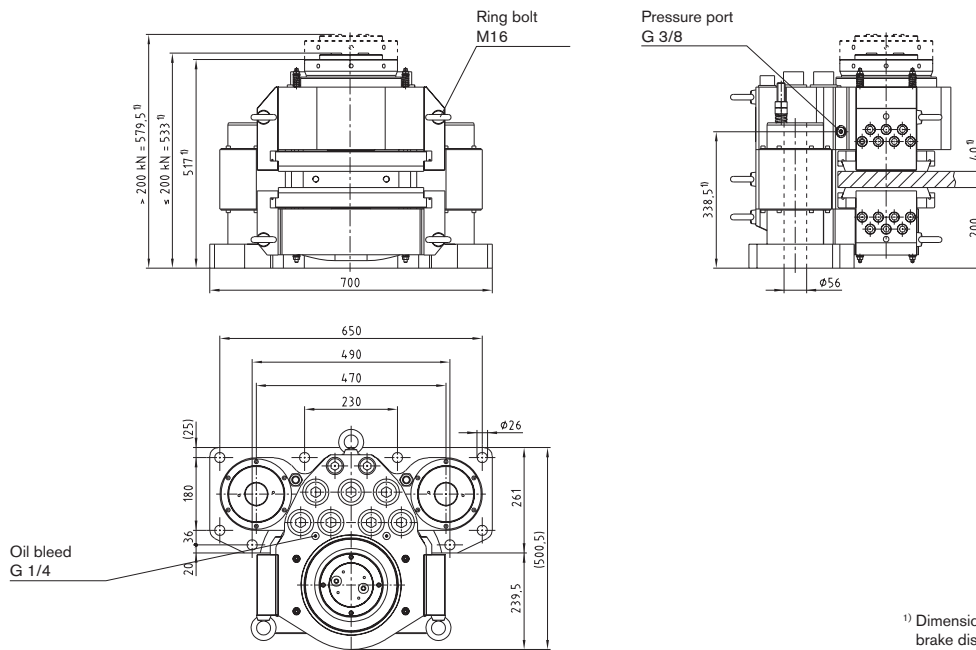
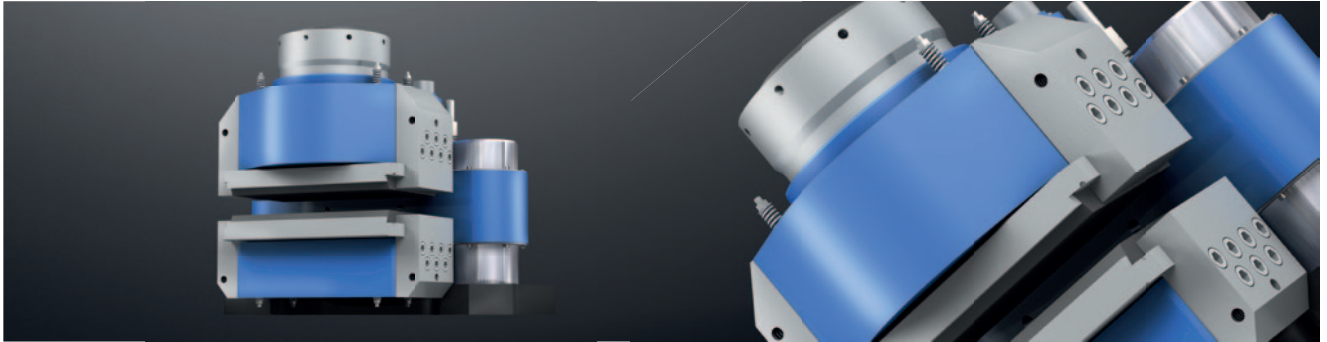


KTR-STOP® L-xxx-F

Passive floating caliper brake

Hydraulic brake system



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

KTR-STOP® L-xxx-F			
Total weight	approx. 585 - 600 kg ¹⁾	Max. operating pressure	200 bar
Width of brake pad	240 mm	Thickness of brake disk	30 mm - 60 mm
Surface of each brake pad (organic/powder metal)	72.900 mm ²	Pressure port	G 3/8
Max. wear of each brake pad	6 mm	Oil bleed	G 1/4
Nominal coefficient of friction ²⁾	$\mu = 0,4$	Backlash on axles - towards mounting surface	5 mm
Total brake piston surface - complete brake	267 cm ²	Backlash on axles - away from mounting surface	10 mm
Volume with 1 mm stroke - complete brake	26,7 cm ³	Min. diameter of brake disk ØD _A	1000 mm
		Operation temperature	-20 °C to +50 °C

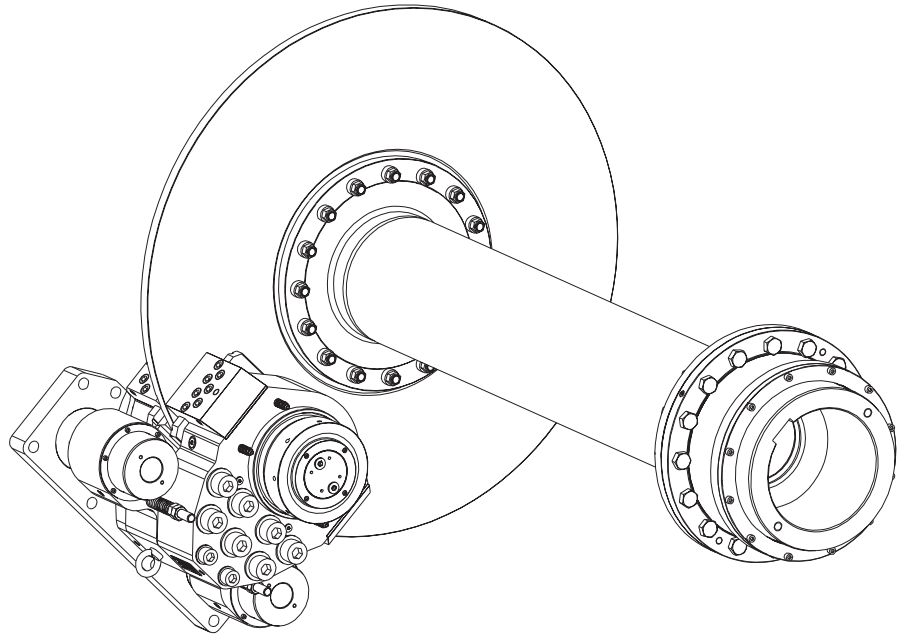
Types of brakes							
Type of brake ³⁾	Clamping force F _C [kN]	Power loss ⁴⁾ [%]	Opening pressure [bar]	Weight ¹⁾ [kg]	Braking torque [Nm] with brake disk Ø [mm]		
					1000	2000	3000
KTR-STOP® L-150	150	6,0	80	585	46000	106000	166000
KTR-STOP® L-200	200	5,0	110	585	61000	141000	221000
KTR-STOP® L-250	250	6,0	140	600	77000	177000	277000
KTR-STOP® L-300	300	5,0	170	600	92000	212000	332000
KTR-STOP® L-350	350	7,0	190	600	107000	247000	387000

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

³⁾ Other types of brakes on request

⁴⁾ With 1 mm stroke (1 mm wear of pad on each side)

Ordering example:	KTR-STOP®	L	-	200	-	F	A	-	50
	KTR brake	Size of brake		Clamping force		Floater	Option		Thickness of brake disk

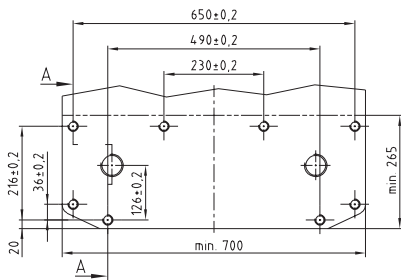


Calculation of brake disk

$$D_C \text{ max.} = D_A - 570$$

$$D_{av} = D_A - 230$$

Connection dimensions of brake



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

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

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]

Optional

- Various colours available
- Sensor indicating wear of pad and condition
- Temperature sensor
- Alternative materials of brake pad

