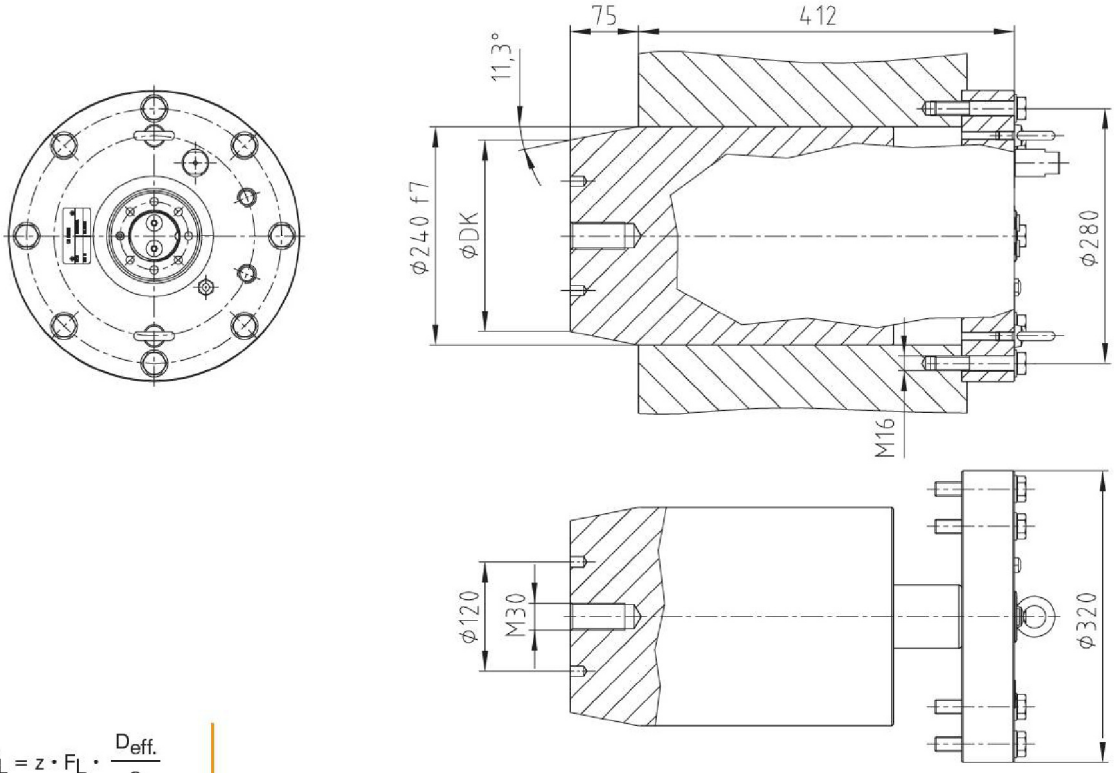
Hydraulic system



$$M_L = z \cdot F_L \cdot \frac{D_{eff.}}{2}$$

F_L = Shear force [kN]
M_L = Lock torque [kNm]
z = Number of Rotor Lock
$D_{eff.}$ = Pitch circle diameter of locking disk [m]

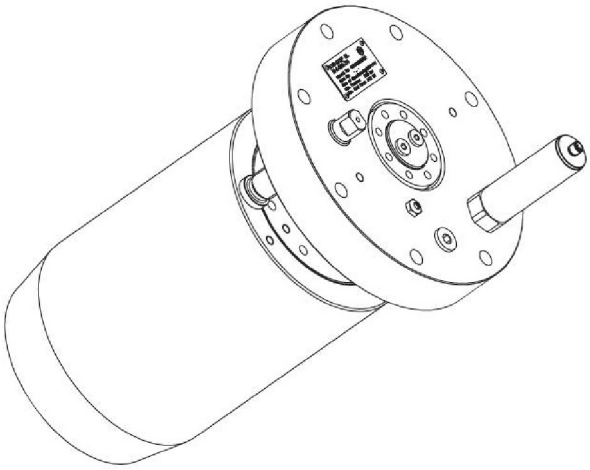
KTR-STOP® RL M			
Weight	ca. 150 kg	Piston diameter	120 mm
Max. stroke	80 mm	Piston surface fore stroke	113,10 cm²
Max. shear force [1]	4000 kN	Piston surface back stroke	74,61 cm²
Max. operating pressure	250 bar	Oil volume per 1 mm stroke	11,3 cm³
Max. force fore stroke F+	283 kN	Oil volume with 75 mm stroke (full stroke)	848,2 cm³
Max. force back stroke F-	187 kN	Pressure port	G 1/4

[1] Please note that the shear force refers to the Rotor Lock only.

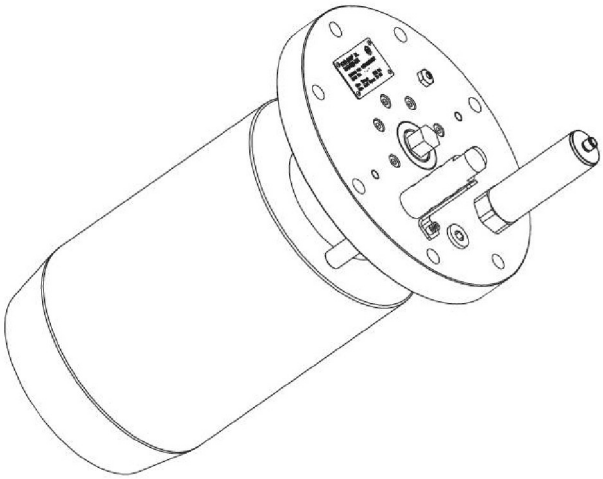
Ordering example:

KTR-STOP® RL	M	-	A	-	355	-	214
KTR Rotor Lock	Rotor Lock size		Option		Mounting length		Small taper diameter

Hydraulic version

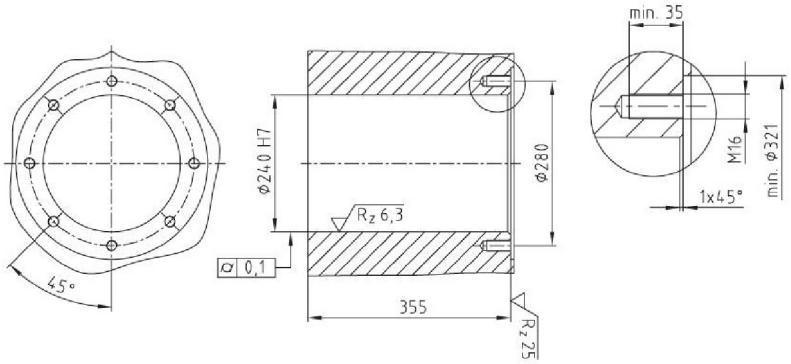
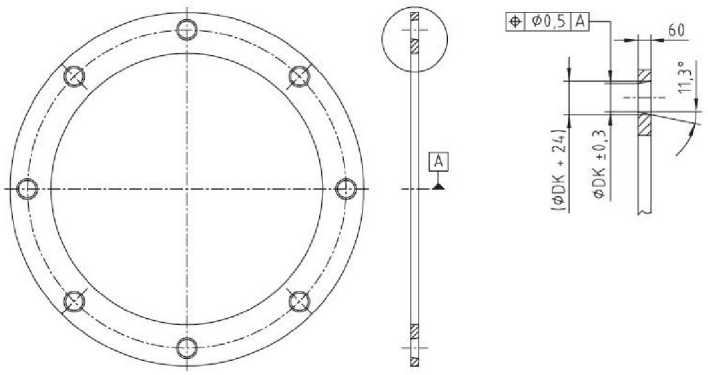


Mechanical version



Connection dimensions

Housing



Locking disk