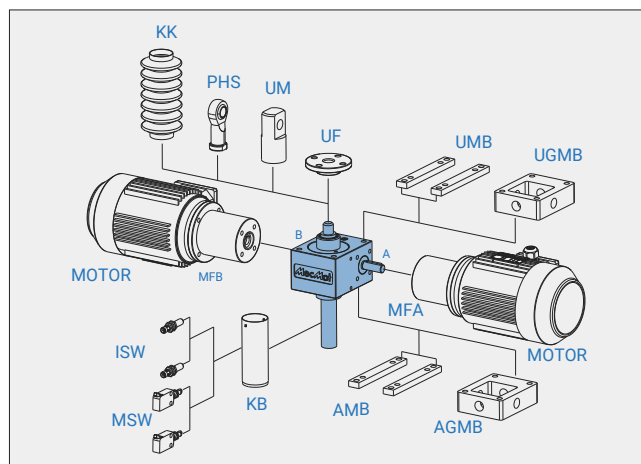
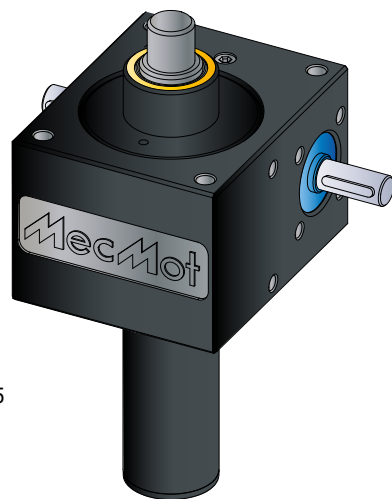


150 kN



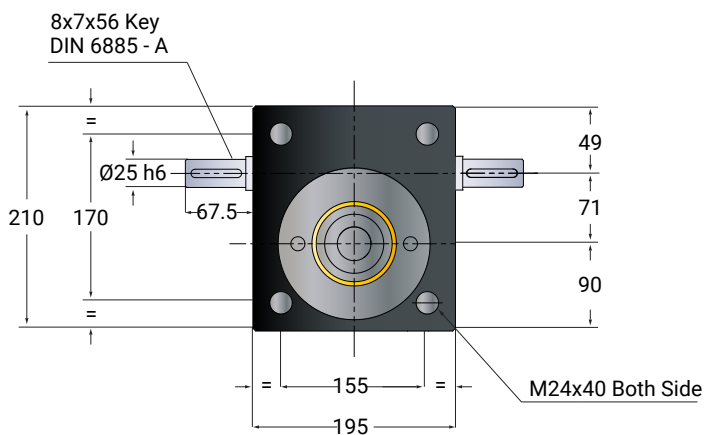
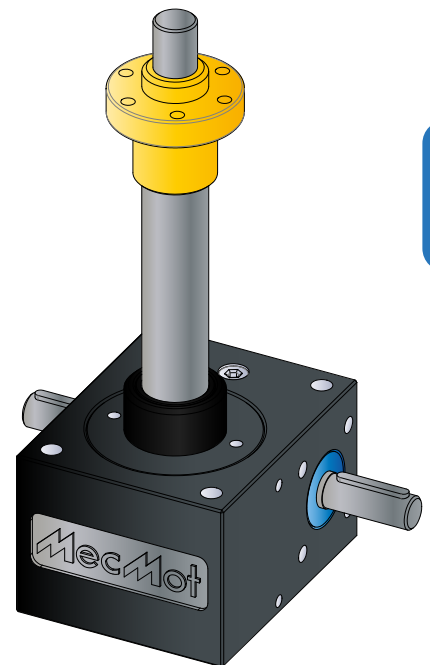
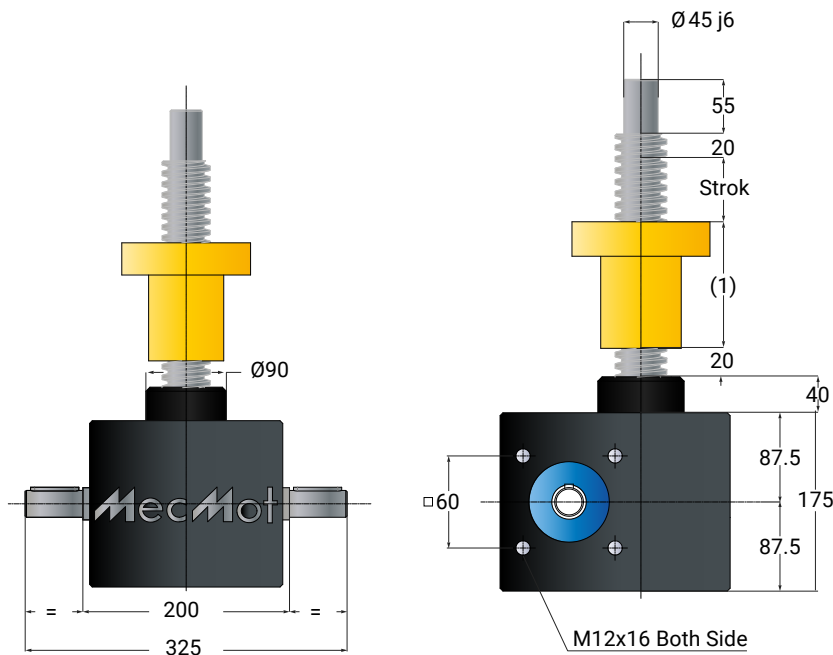
Duty cycle thermal limit, for S+R

Graph showing the relationship between torque (kN) and % duty cycle for Trapezoidal Screw Tr 60x9 at 20°C. The graph includes curves for 500 rpm, 1000 rpm, 1500 rpm, and 1800 rpm. The torque decreases as the duty cycle increases and as the rpm increases.

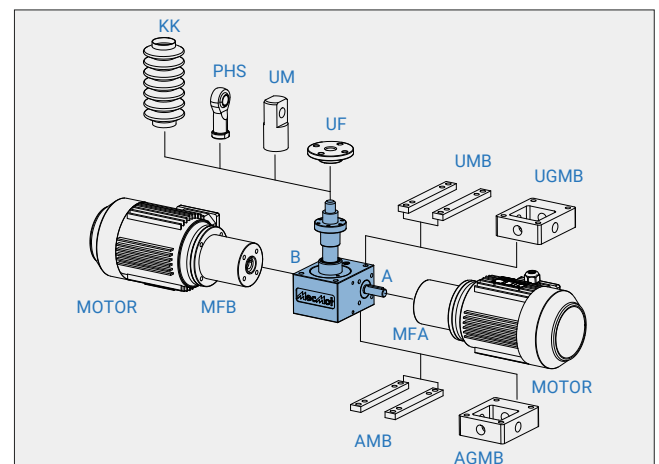
% duty cycle	500 rpm (kN)	1000 rpm (kN)	1500 rpm (kN)	1800 rpm (kN)
10	150	120	90	70
20	100	80	60	45
30	75	60	45	35
40	60	50	38	30
50	50	42	32	25
60	42	35	28	22
70	36	30	24	19
80	32	27	22	17
90	29	25	20	16

These curves above represents the thermally safe operating time of the product in percent. These values are valid for the normal operating conditions of the system (lubrication, ambient temperature, environmental conditions, etc.). Otherwise, please contact Mecmot Engineering department.

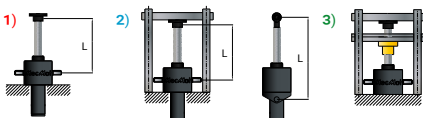
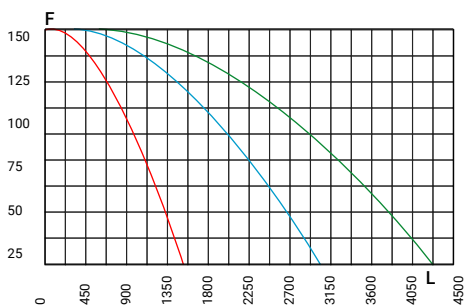
VK150-SH Max 150 kN



SH ACCESSORIES

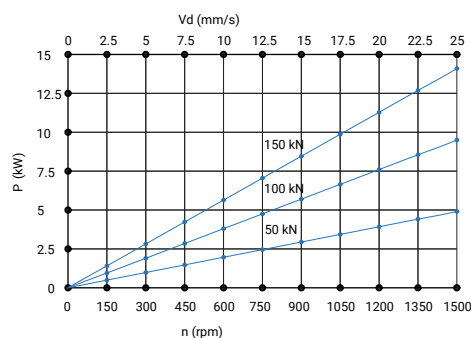


Euler's law (safety factor = 2 dynamic compression load)
Limit load 1 (red) - 2 (blue) - 3 (green)
 F = Load [kN]
 L = Overall trapezoidal screw length [mm]



Power Curves (Reduction A Version)

P = Requested input power [kW]
 n = Worm rotational speed [rpm]
 V_d = Spindle translation speed [mm/s]



Power Curves (Reduction B Version)

P = Requested input power [kW]
 n = Worm rotational speed [rpm]
 V_d = Spindle translation speed [mm/s]

