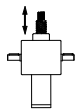


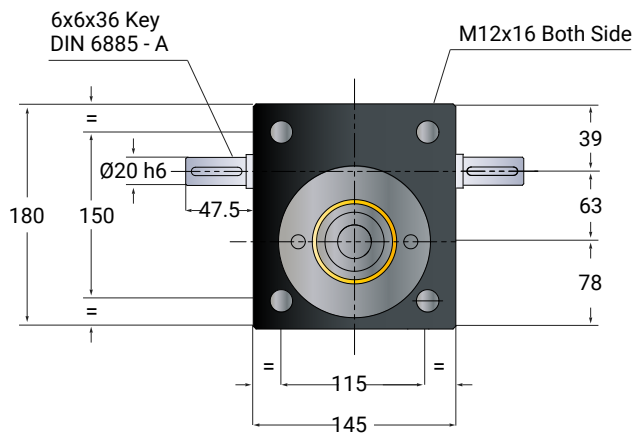
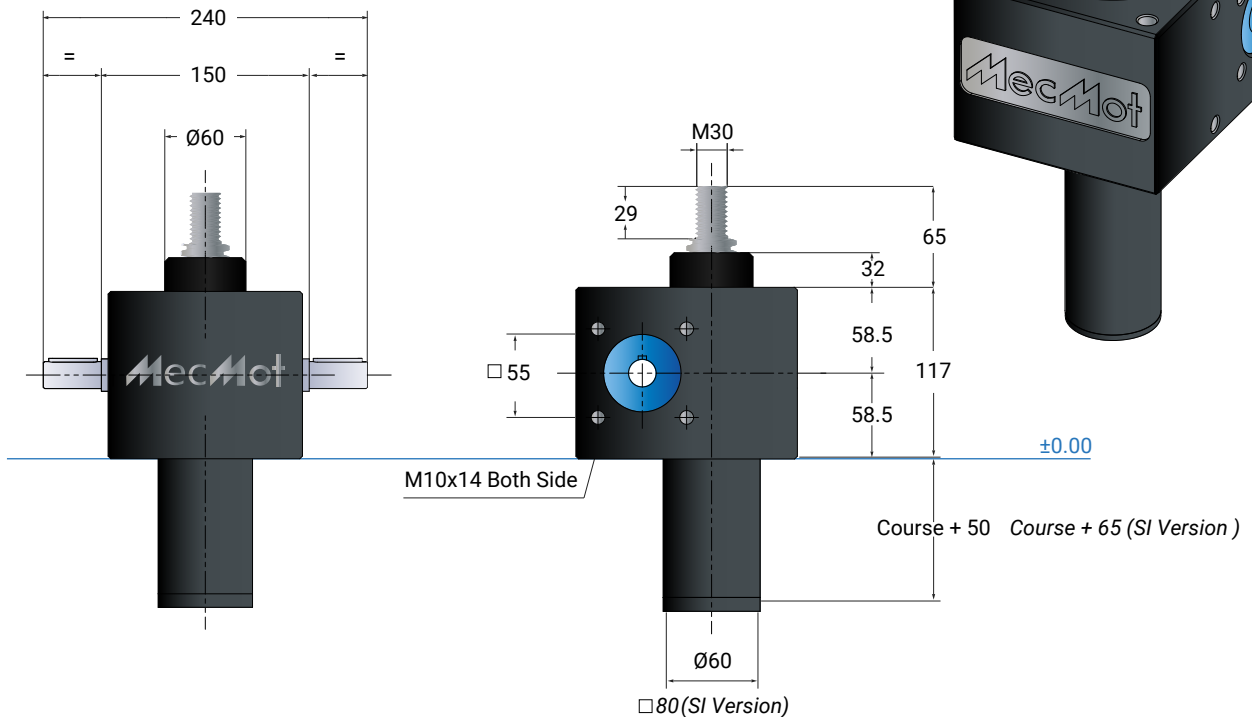
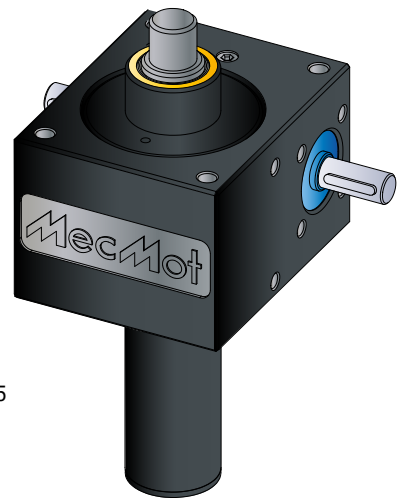
VK50-VH-S/SI



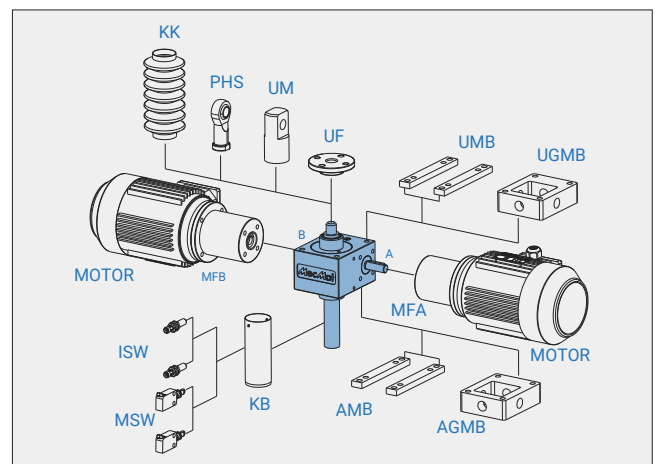
Max 50 kN



Trapezoidal Screw



VH-S/SI ACCESSORIES



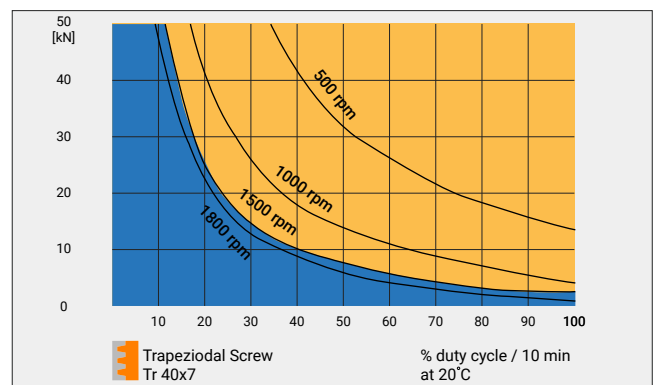
Standard Ratios

Type	Version	Speed	Standart screw	i	Stroke per drive shaft rotation
VK50-VH-A	Translating screw	Normal	Tr 40x7	7:1	1.00 mm
VK50-VH-B		Low speed		28:1	0.25 mm
VK50-SH-A	Rotating screw	Normal	Tr 40x7	7:1	1.00 mm
VK50-SH-B		Low speed		28:1	0.25 mm

General Features

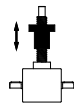
Max static load: 50 kN
 Max dynamic load: See duty cycle curves
 Nominal speed: 1500 rpm
 Max speed: 1800 rpm (depending force and duty cycle)
 Screw size: Tr 40x7
 Operation temperature: -10/60°C
 Screw lubrication: Grease lubrication
 Input torque: Max 31 Nm (A) max 10.5 Nm (B)
 Drive-through torque: Max 250 Nm

Duty cycle thermal limit, for S+R



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.

VK50-SH

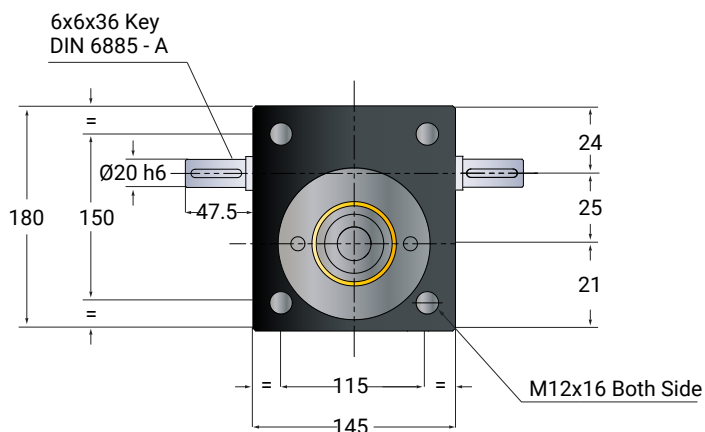
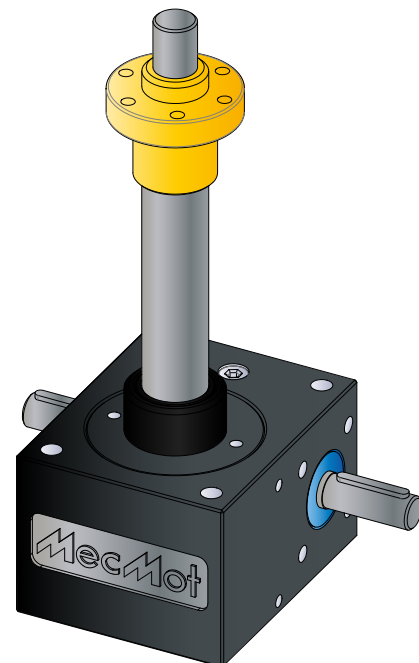
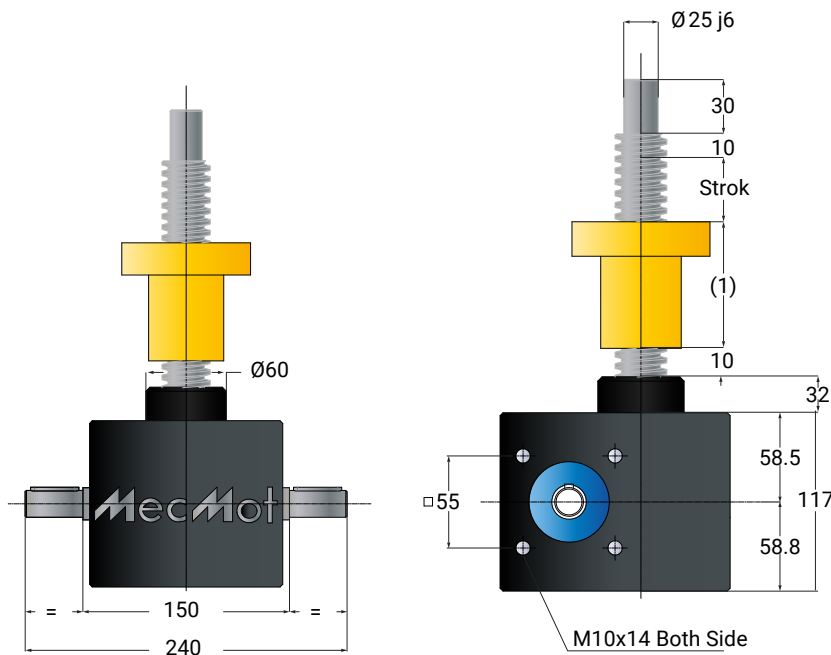


Max

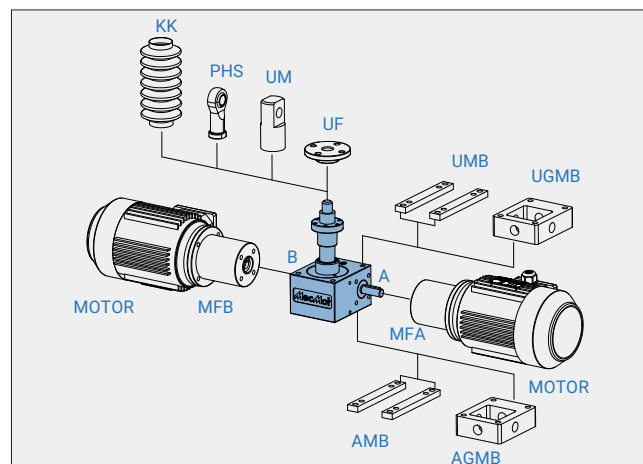
50 kN



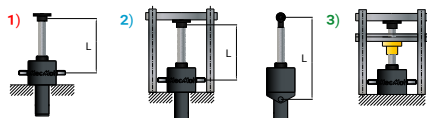
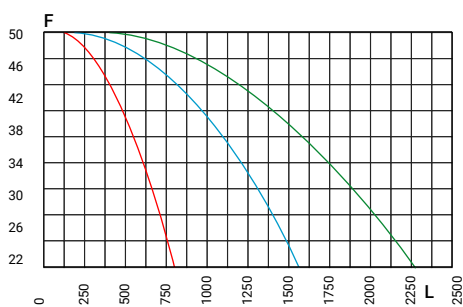
Trapezoidal Screw



SH ACCESSORIES

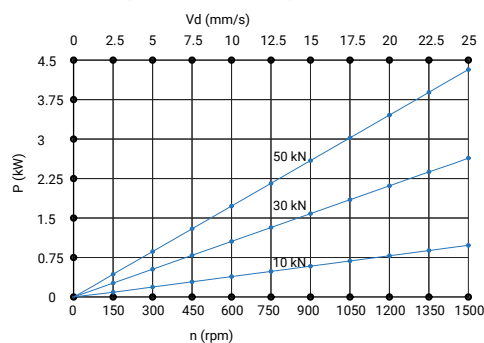


Euler's law (safety factor = 2 dynamic compression load)
Limit load 1 (red) - 2 (blue) - 3 (green)
F = Load [kN]
L = Overall trapezoidal screw lenght [mm]



Power Curves (Reduction A Version)

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



Power Curves (Reduction B Version)

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

