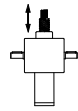
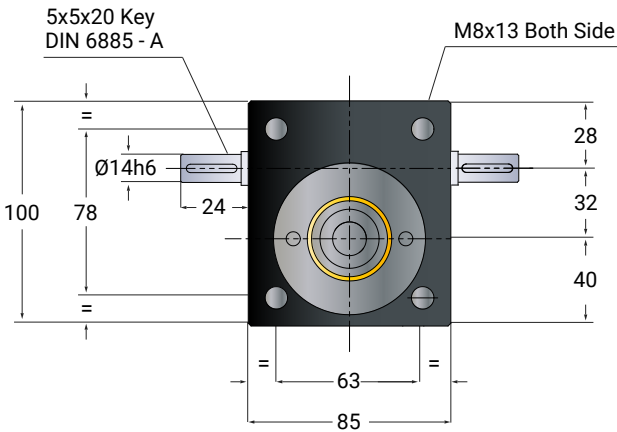
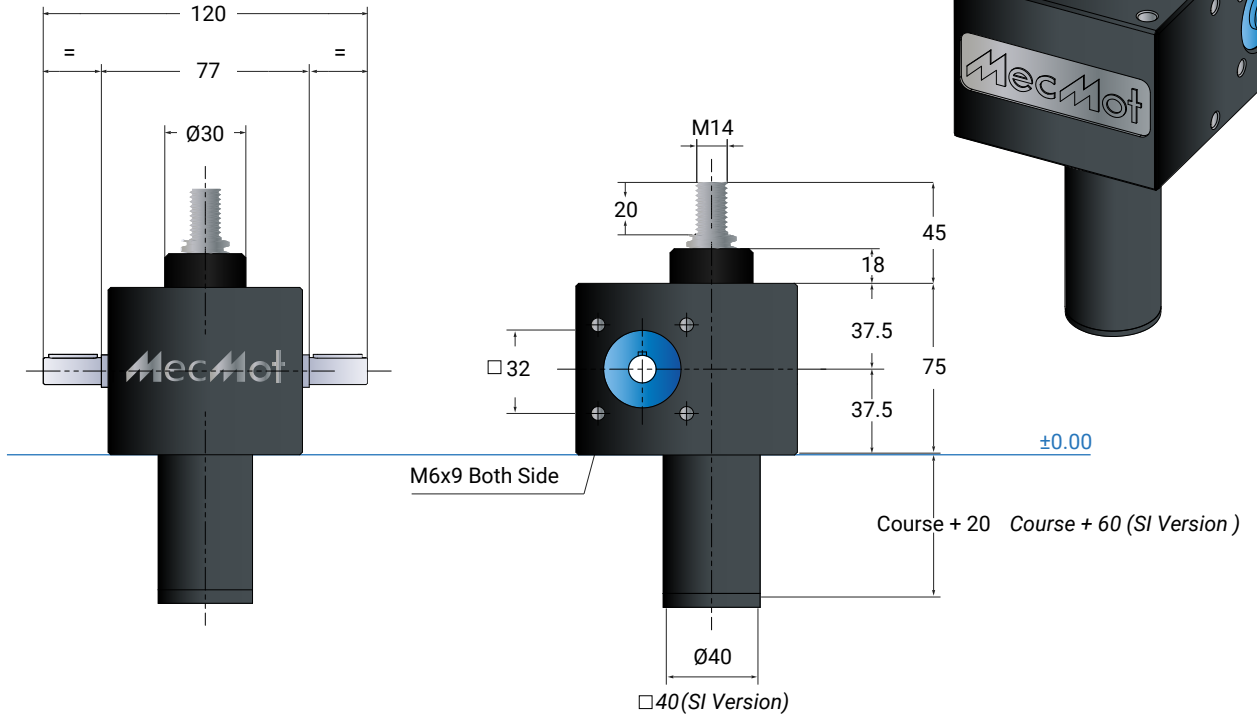
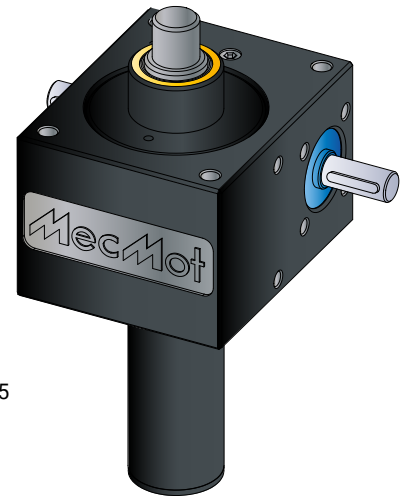


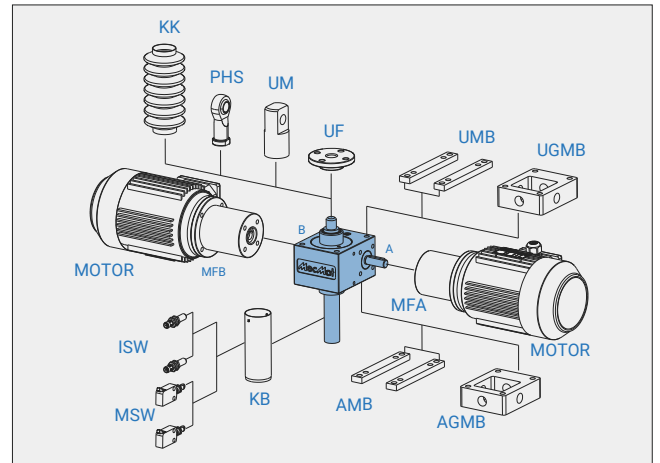
VK10-VH-S/SI



Max 10 kN



VH-S/SI ACCESSORIES



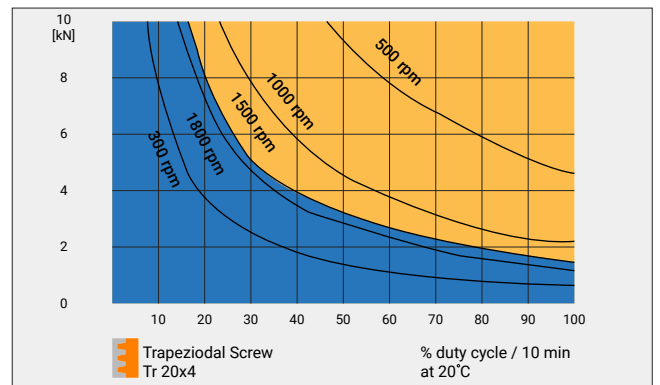
Standard Ratios

Type	Version	Speed	Standart screw	i	Stroke per drive shaft rotation
VK10-VH-A	Translating screw	Normal	Tr 20x4	4:1	1.00 mm
VK10-VH-B		Low speed		16:1	0.25 mm
VK10-SH-A	Rotating screw	Normal	Tr 20x4	4:1	1.00 mm
VK10-SH-B		Low speed		16:1	0.25 mm

General Features

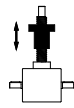
Max static load: 10 kN
 Max dynamic load: See duty cycle curves
 Nominal speed: 1500 rpm
 Max speed: 3000 rpm (depending force and duty cycle)
 Screw size: Tr 20x4
 Operation temperature: -10/60C
 Screw lubrication: Grease lubrication
 Input torque: Max 13 Nm (A) max 7 Nm (B)
 Drive-through torque: Max 55 Nm

Duty cycle thermal limit, for S+R

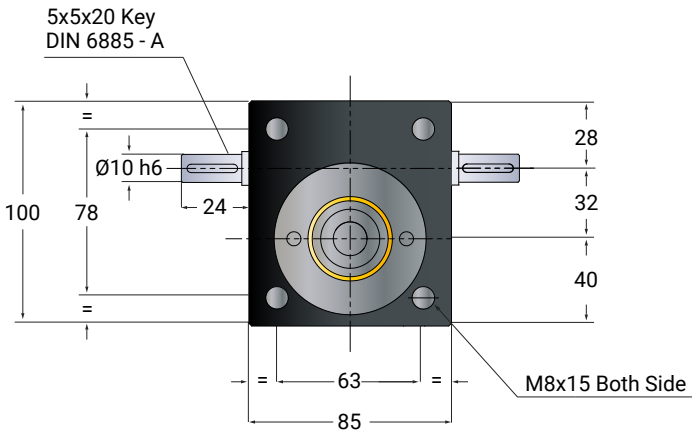
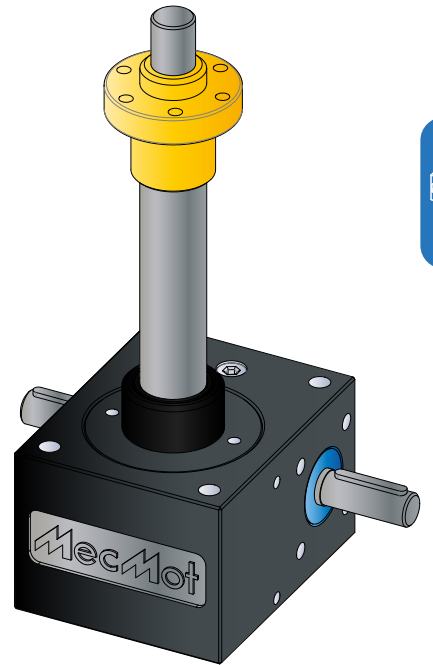
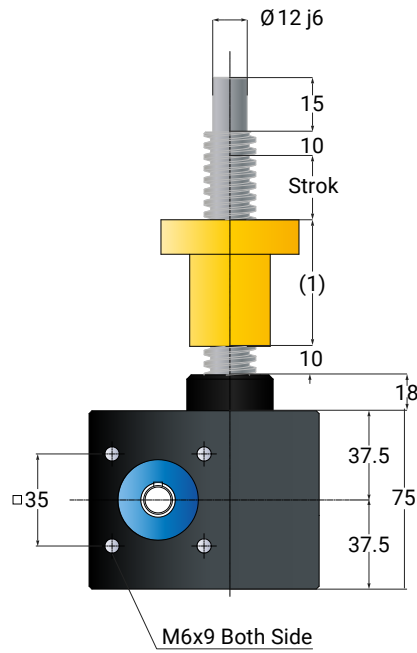
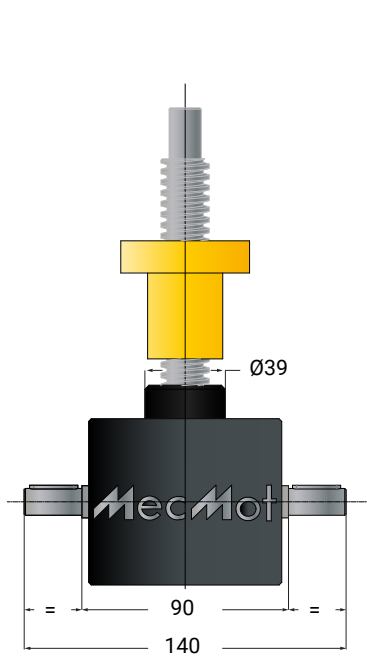


These curves above represents the thermally safe operating time of the product in percent. These values are valid for the normal operating conditions of the system (lubrication, ambient temperature, environmental conditions, etc.). Otherwise, please contact Mecmot Engineering department.

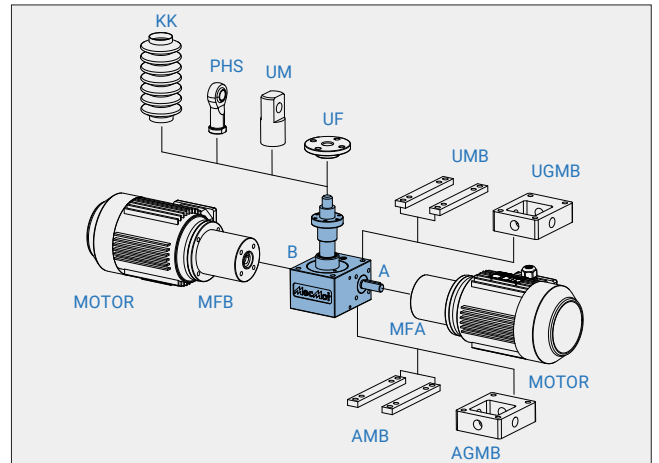
VK10-SH



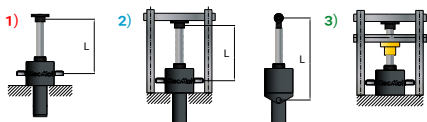
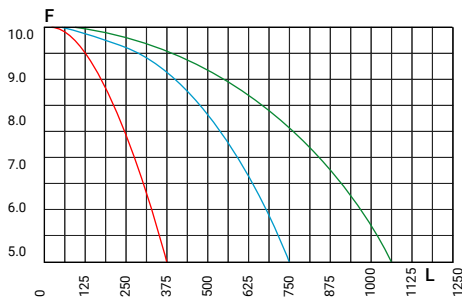
Max 10 kN



SH ACCESSORIES

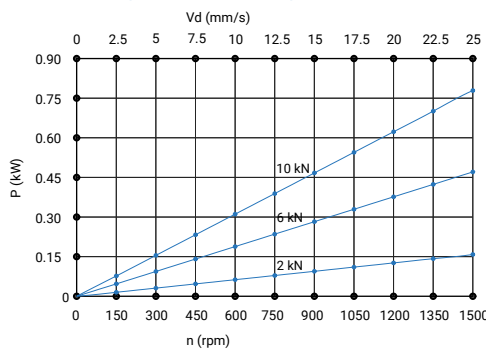


Euler's law (safety factor = 2 dynamic compression load)
 Limit load 1 (red) - 2 (blue) - 3 (green)
 F = Load [kN]
 L = Overall trapezoidal screw lenght [mm]



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]

