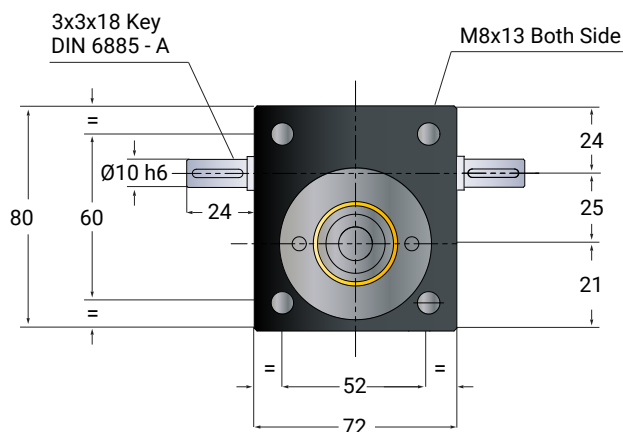
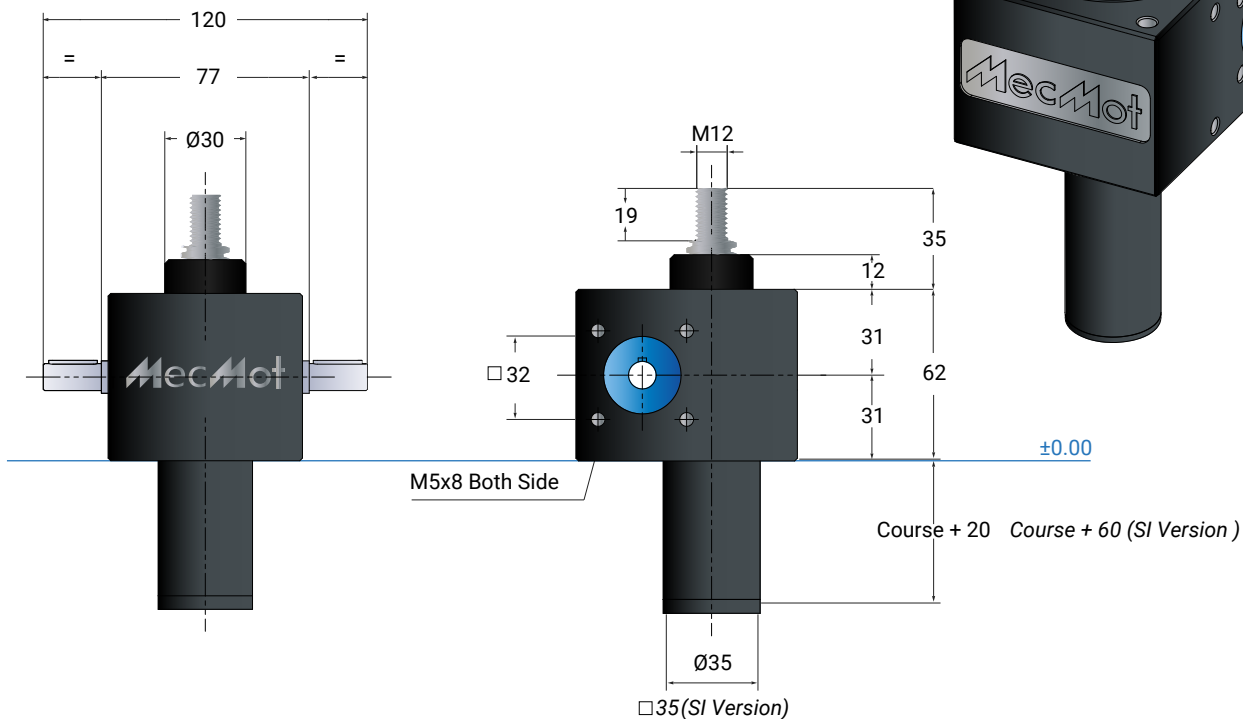
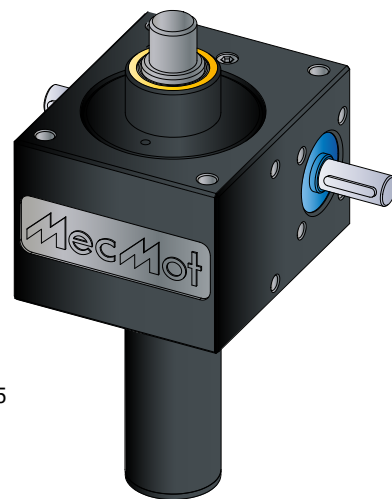
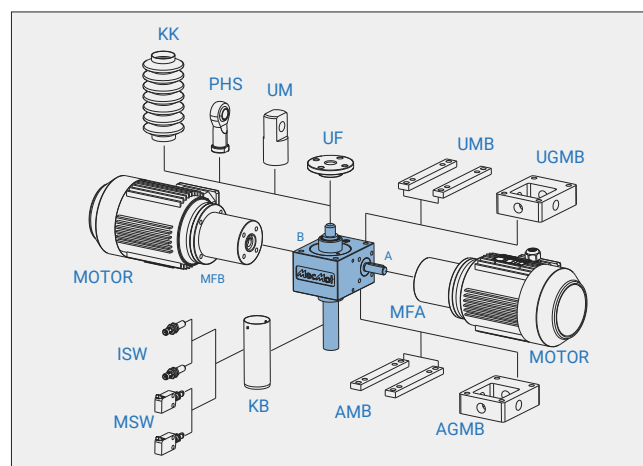


Max 5 kN



VH-S/SI ACCESSORIES



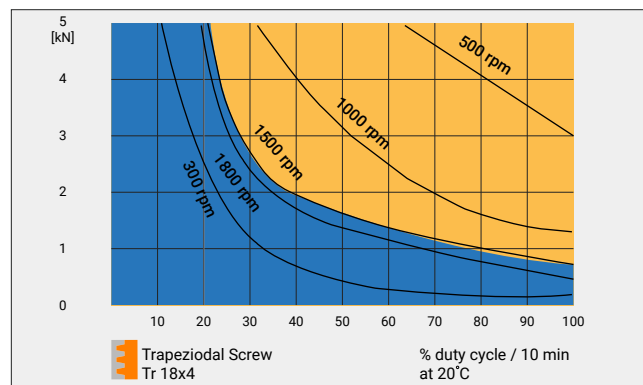
Standard Ratios

| Type | Version | Speed | Standart screw | i | Stroke per drive shaft rotation |
|----------|-------------------|-----------|----------------|------|---------------------------------|
| VK5-VH-A | Translating screw | Normal | Tr 18x4 | 4:1 | 1.00 mm |
| VK5-VH-B | | Low speed | | 16:1 | 0.25 mm |
| VK5-SH-A | Rotating screw | Normal | Tr 18x4 | 4:1 | 1.00 mm |
| VK5-SH-B | | Low speed | | 16:1 | 0.25 mm |

General Features

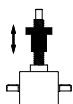
Max static load: 5 kN
Max dynamic load: See duty cycle curves
Nominal speed: 1500 rpm
Max speed: 3000 rpm (depending force and duty cycle)
Screw size: Tr 18x4
Operation temperature: -10/60C
Screw lubrication: Grease lubrication
Input torque: Max 4.5 Nm (A) max 1.5 Nm (B)
Drive-through torque: Max 40 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.

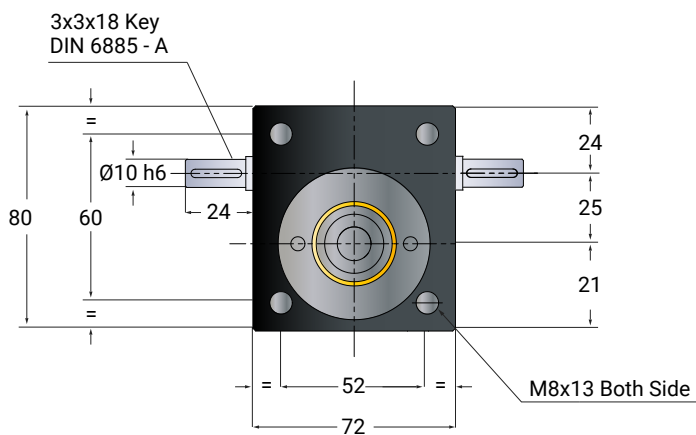
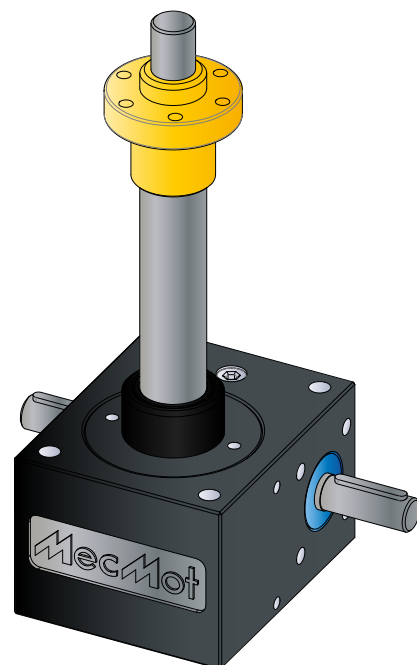
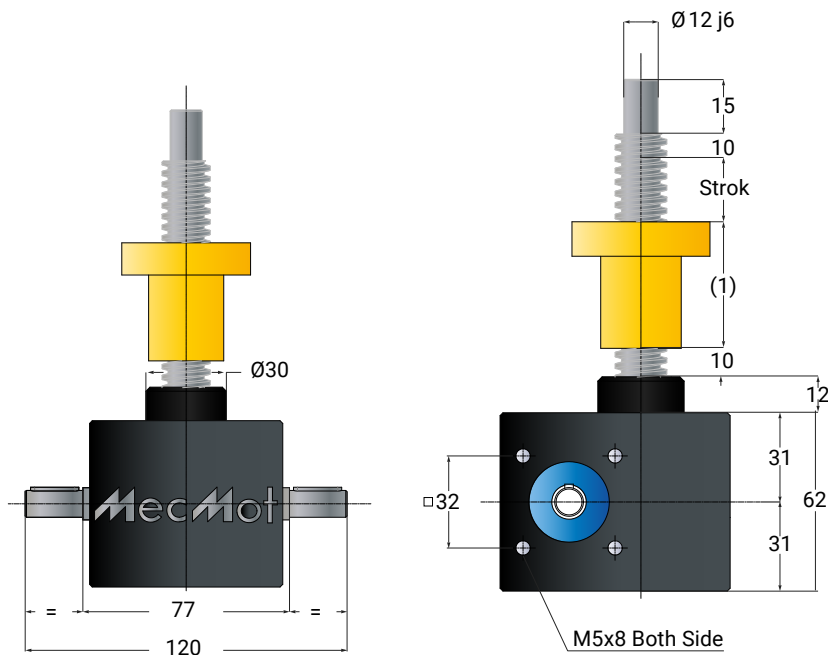
VK5-SH



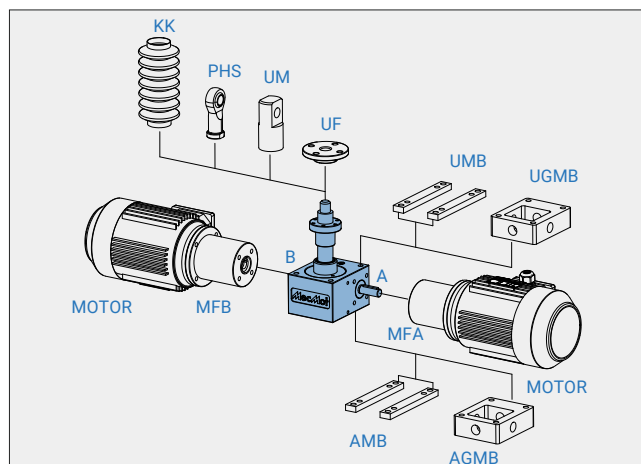
Max 5 kN



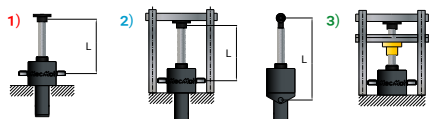
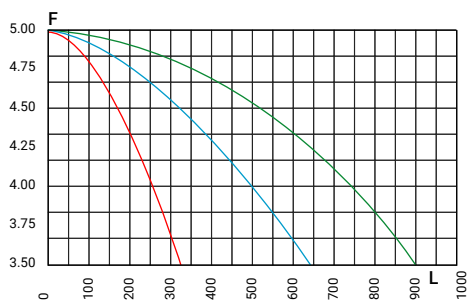
Trapezoidal Screw



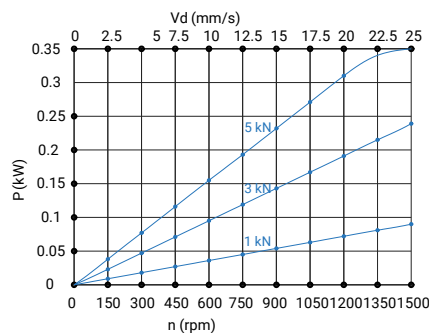
SH ACCESSORIES



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]
 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]

