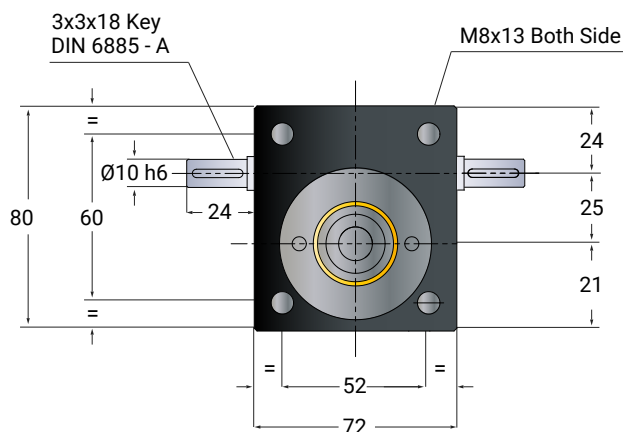
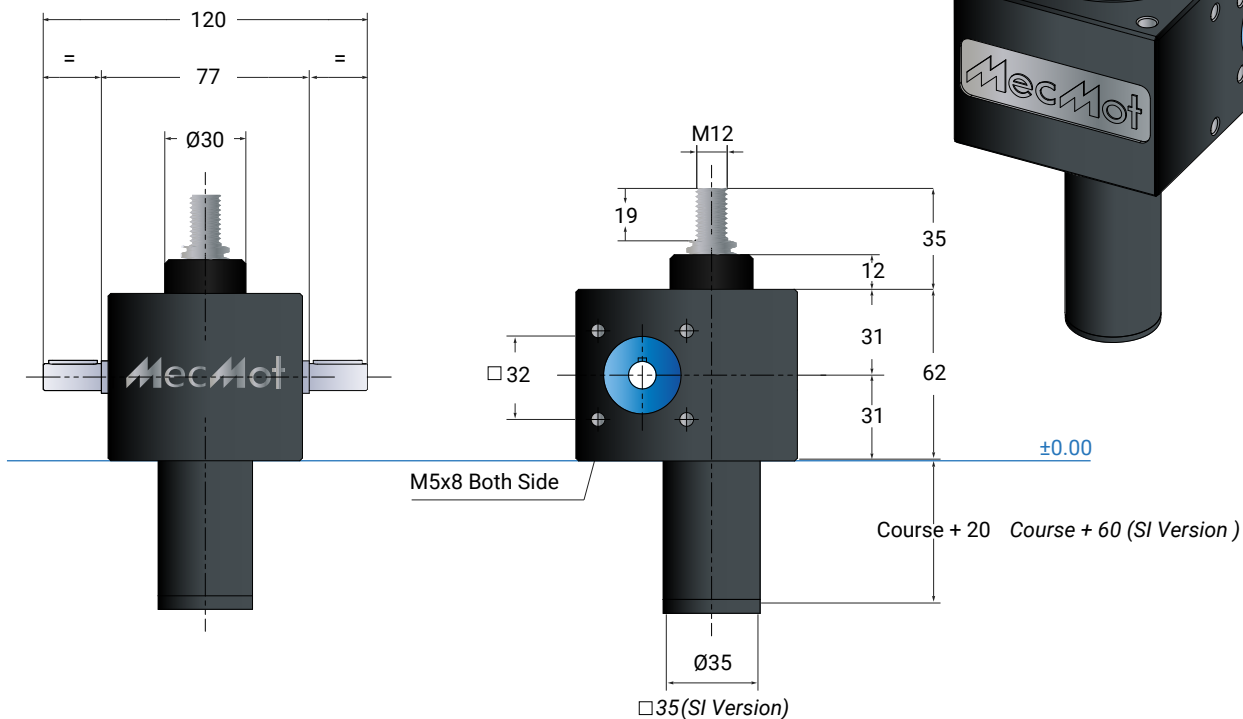
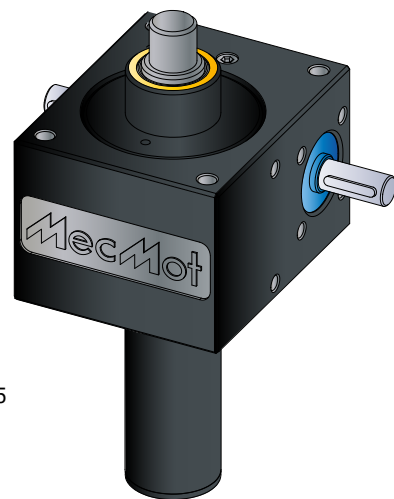
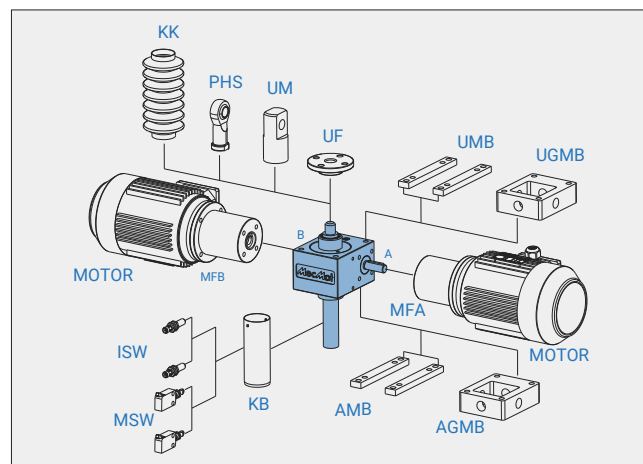


Max 5 kN



## VH-S/SI ACCESSORIES



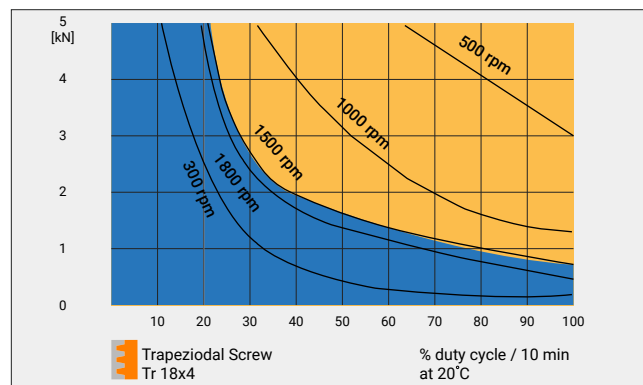
## Standard Ratios

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

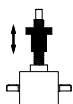
Max static load: 5 kN  
Max dynamic load: See duty cycle curves  
Nominal speed: 1500 rpm  
Max speed: 3000 rpm (depending force and duty cycle)  
Screw size: Tr 18x4  
Operation temperature: -10/60C  
Screw lubrication: Grease lubrication  
Input torque: Max 4.5 Nm (A) max 1.5 Nm (B)  
Drive-through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

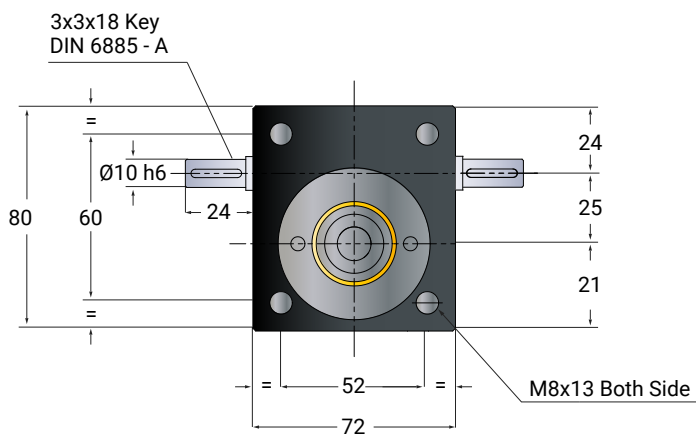
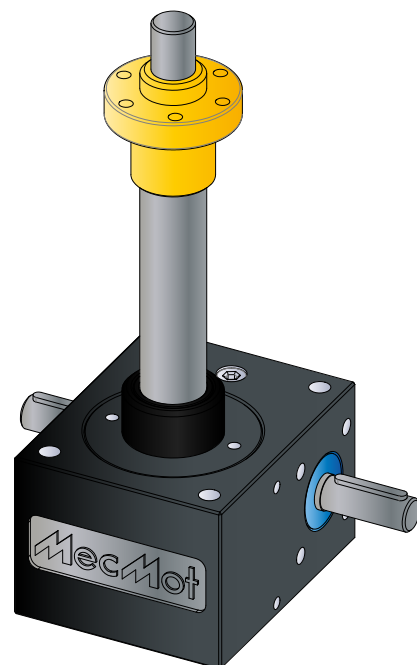
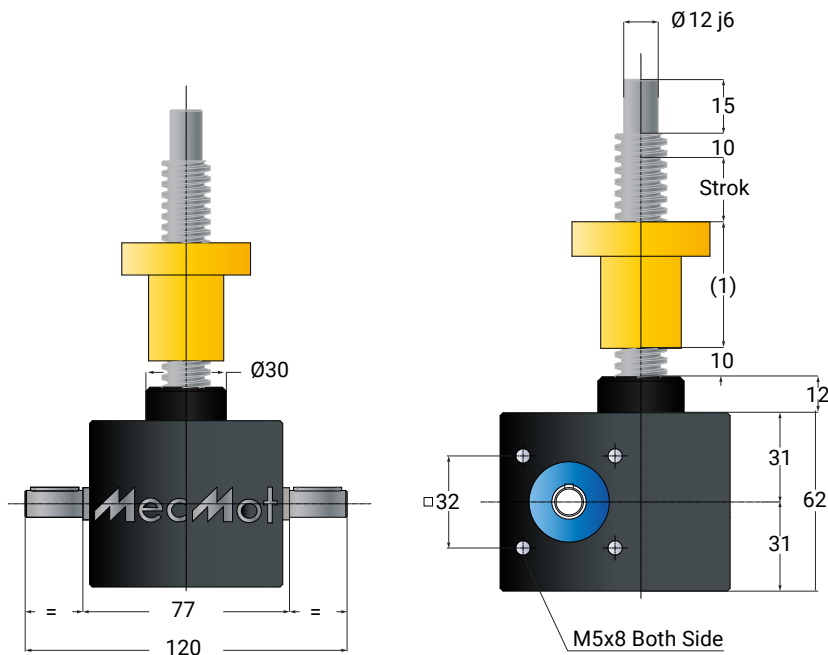


Max

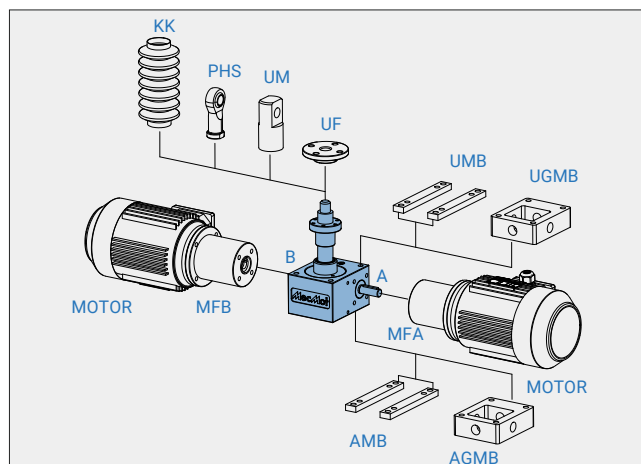
# 5 kN



Trapezoidal Screw



## SH ACCESSORIES

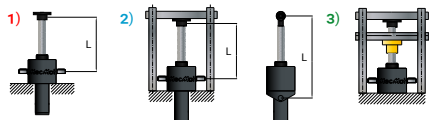
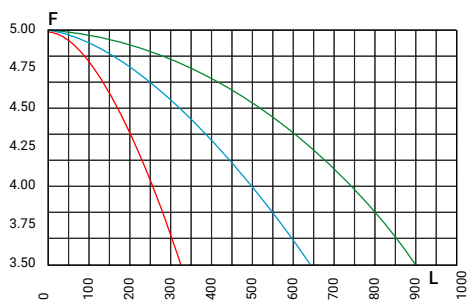


Euler's law (safety factor = 2 dynamic compression load)

Limit load 1 (red) - 2 (blue) - 3 (green)

F = Load [ kN ]

L = Overall trapezoidal screw lenght [ mm ]

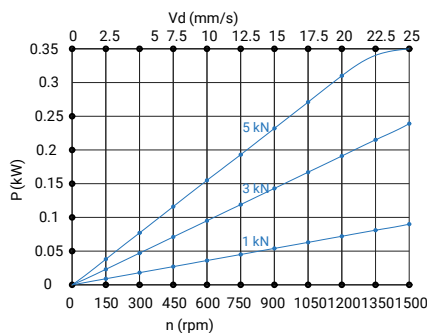


Power Curves ( Reduction A Version )

P = Requested input power [ kW ]

n = Worm rotational speed [ rpm ]

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 ]

