

Gear-Motor-Specifications

HILBA-drive including:

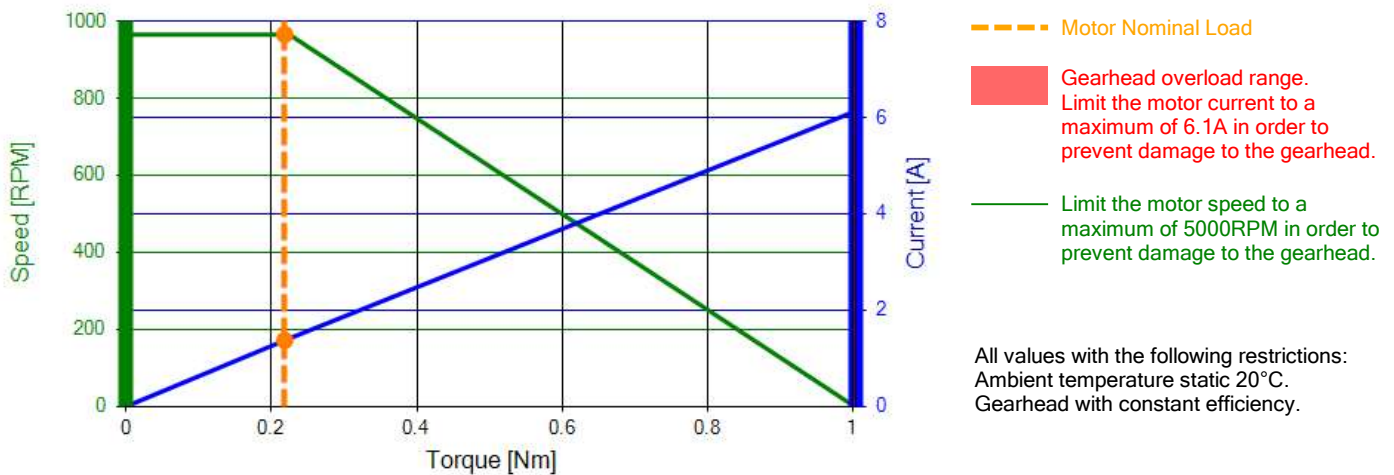
Motor

Name: A-max 32
 Typ: DC
 Voltage: 24V
 Power: 20W
 IP code: IP24
 Manufacturer: Maxon Motor
 Part number: 236662
 Weight: 0.24kg
 Nominal torque: 0.047Nm
 Nominal speed: 5040RPM
 Nominal current: 1.4A
 Stall current: 6.1A
 No load speed: 6460RPM
 Torque constant: 0.035 Nm/A
 Speed constant: 0.00003 Nm/RPM

Gearhead

Name: PI32
 Typ: Planetengetriebe
 IP code: IP54
 Ambient temperature range: -30°C bis +90°C
 Reduction: 5.18:1
 Efficiency: 0.9
 Weight: 0.33kg
 Nominal torque: 1.0Nm
 Maximal speed: 5000RPM
 Backlash: 0.7°
 Self-locking: No

Drive



No-load Operation

Torque: 0.0071Nm
 Speed: 965RPM
 Current: 0.043A

Limit the motor speed to a maximum of 5000RPM in order to prevent damage to the gearhead.

Motor Nominal Load

Torque: 0.22Nm
 Speed: 965RPM
 Current: 1.4A

Limit the motor speed to a maximum of 5000RPM in order to prevent damage to the gearhead.

Gearhead Nominal Load

Torque: 1.0Nm
 Speed: 2.9RPM
 Current: 6.1A

Limit the motor current to a maximum of 6.1A in order to prevent damage to the gearhead.

Stall

Torque: 1.0Nm
 Speed: 0RPM
 Current: 6.1A

Limit the motor current to a maximum of 6.1A in order to prevent damage to the gearhead.