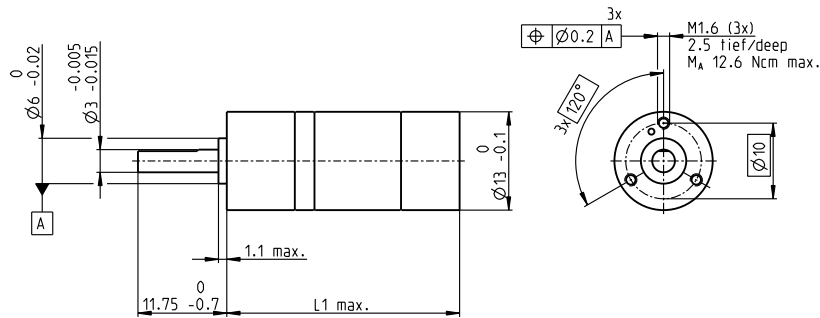


# GPX 13 SPEED Ø13 mm, planetary gearhead

Sterilizable



GPX

M 1:1

| Key data                    | Without shaft seal* | With shaft seal* |
|-----------------------------|---------------------|------------------|
| Max. transmittable power    | W 22 (3.2)          | 22 (3.2)         |
| Max. continuous torque      | Nm 0.15             | 0.15             |
| Max. continuous input speed | rpm 60 000          | 60 000           |
| Ambient temperature         | °C -10...+135       | -10...+135       |
| Bearing at output           | Ball bearing        | Ball bearing     |

| Operating range (output shaft) | Without shaft seal | With shaft seal |
|--------------------------------|--------------------|-----------------|
|--------------------------------|--------------------|-----------------|

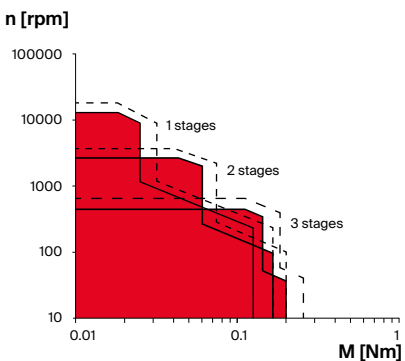
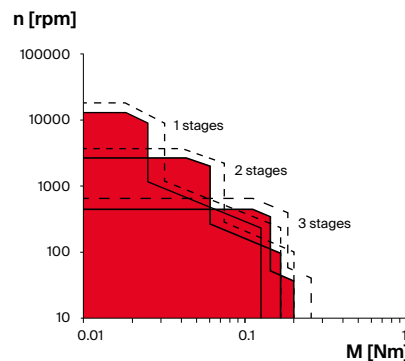
Continuous operation  
Intermittent operation

## Sterilization information

Without shaft seal: typically 1000 autoclave cycles  
With shaft seal: typically 2000 autoclave cycles

Sterilization with steam

Temperature 134 °C ±4 °C  
Compression pressure up to 2.3 bar  
Rel. humidity 100%  
Cycle length 18 minutes



| Specifications                        | Without shaft seal*                     | With shaft seal*                     |
|---------------------------------------|-----------------------------------------|--------------------------------------|
| Number of stages                      | 1 2 3                                   | 1 2 3                                |
| Max. transmittable continuous power   | W 22 (3.2) 11 (1.6) 6 (0.8)             | 22 (3.2) 11 (1.6) 6 (0.8)            |
| Max. transmittable intermittent power | W 27 (4) 13 (2) 7 (1)                   | 27 (4) 13 (2) 7 (1)                  |
| Max. continuous torque                | Nm 0.025 (0.13) 0.06 (0.16) 0.15 (0.2)  | 0.025 (0.13) 0.06 (0.16) 0.15 (0.2)  |
| Max. intermittent torque              | Nm 0.030 (0.16) 0.075 (0.2) 0.19 (0.25) | 0.030 (0.16) 0.075 (0.2) 0.19 (0.25) |
| Max. continuous input speed           | rpm 60 000 60 000 60 000                | 60 000 60 000 60 000                 |
| Max. intermittent input speed         | rpm 75 000 75 000 75 000                | 75 000 75 000 75 000                 |
| Max. efficiency                       | % 85 80 70                              | 85 80 70                             |
| Average backlash no load              | ° 1.2 1.4 1.6                           | 1.2 1.4 1.6                          |
| Max. axial load (dynamic)             | N 20 20 20                              | 20 20 20                             |
| Max. radial load, 5 mm from flange    | N 10 15 25                              | 10 15 25                             |
| Gearhead length L <sup>1</sup>        | mm 30.8 36.6 42.4                       | 30.8 36.6 42.4                       |
| Weight                                | g 21 26 30                              | 21 26 30                             |

| Configuration                    | Without shaft seal | With shaft seal |
|----------------------------------|--------------------|-----------------|
| Number of stages                 | 1 2 3              | 1 2 3           |
| Reduction                        | X:1 5 25 125       | 5 25 125        |
| Absolute reduction: (see online) |                    |                 |

Version Without shaft seal/With shaft seal  
Flange Standard flange/configurable flange  
Shaft Length/flat face

| Modular system | Page                |
|----------------|---------------------|
| EC motor       | Nº of stages [opt.] |
| ECX SPEED 13 M | 1-3 201-204         |
| ECX SPEED 13 L | 1-3 205-208         |

<sup>1</sup>This length may vary depending on the configuration and choice of motor. The effective length is calculated at the end of the configuration process.

\*Values in parentheses apply in case of reduced speed (according to diagram).