

# Planetary Gearhead GP 32 C Ø32 mm, 1.0 - 6.0 Nm, Ceramic Version

Ceramic Version

Part number 166932



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| Price per unit | 1-4     | <b>CHF 140.20</b> |
|                | 5-19    | <b>CHF 100.60</b> |
|                | 20-49   | <b>CHF 91.70</b>  |
|                | from 50 | <b>On request</b> |

Prices excluding VAT

Gears can be purchased only as a component of a combination.

[Start combination](#)

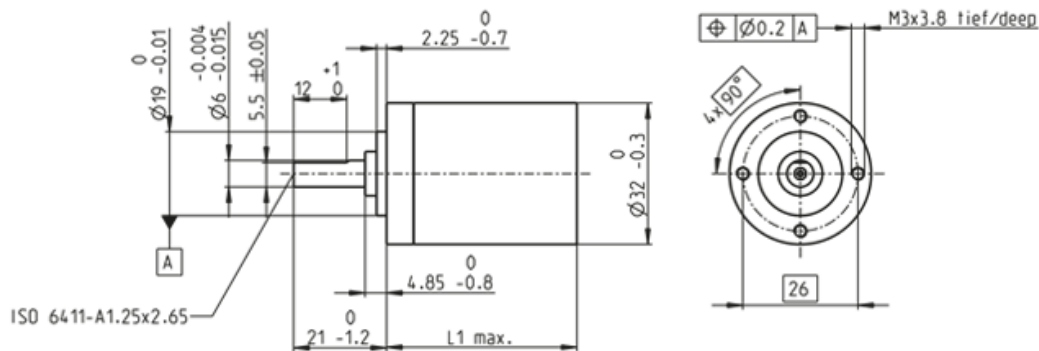
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## Description

**Precision spur- and planetary gearheads** matched to maxon motors. Gears are advantageously adapted directly to the desired motors in the delivery plant. The motor pinion is the input gearwheel for the first stage and is rigidly affixed to the motor shaft.

## Specifications

### Technical illustrations



Dimension drawing

**Information:** Drawings are not to scale.

### General information

|                          |                |       |
|--------------------------|----------------|-------|
| <input type="checkbox"/> | Gearhead type  | GP    |
| <input type="checkbox"/> | Outer diameter | 32 mm |
| <input type="checkbox"/> | Version        | C     |

### Gearhead Data

|                          |                           |         |
|--------------------------|---------------------------|---------|
| <input type="checkbox"/> | Reduction                 | 5.8 : 1 |
| <input type="checkbox"/> | Absolute reduction        | 23/4    |
| <input type="checkbox"/> | Max. motor shaft diameter | 3 mm    |
| <input type="checkbox"/> | Number of stages          | 1       |
| <input type="checkbox"/> | Max. continuous torque    | 1 Nm    |
| <input type="checkbox"/> | Max. intermittent torque  | 1.25 Nm |

|  |   |                      |
|--|---|----------------------|
|  | Direction of rotation, drive to output  | =                    |
|  | Max. efficiency                         | 80 %                 |
|  | Average backlash no load                | 0.7 °                |
|  | Mass inertia                            | 1.5 gcm <sup>2</sup> |
|  | Gearhead length (L1)                    | 26.5 mm              |
|  | Max. transmittable power (continuous)   | 140 W                |
|  | Max. transmittable power (intermittent) | 180 W                |

#### Technical Data

|  |                               |                                |
|--|-------------------------------|--------------------------------|
|  | Radial play                   | max. 0.14 mm, 5 mm from flange |
|  | Axial play                    | max. 0.4 mm                    |
|  | Max. radial load              | 140 N, 10 mm from flange       |
|  | Max. axial load (dynamic)     | 120 N                          |
|  | Max. force for press fits     | 120 N                          |
|  | Max. continuous input speed   | 8000 rpm                       |
|  | Max. intermittent input speed | 8000 rpm                       |
|  | Recommended temperature range | -40...+100 °C                  |
|  | Number of autoclave cycles    | 0                              |

#### Product

|  |        |       |
|--|--------|-------|
|  | Weight | 110 g |
|--|--------|-------|

#### Downloads

##### Catalog page

- > [Catalog pages \(deutsch, PDF 498 KB\)](#)
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- > [Catalog page \(englisch, PDF 496 KB\)](#)
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- > [カタログのページ \(日本語, PDF 122 KB\)](#)
Version 2014

##### CAD-Files (STEP)

- > [CAD drawing \(STEP\) \(ZIP 54 KB\)](#)
Version 2012