

# Micro Planetary Gearheads

0,88 mNm

For combination with  
Brushless DC-Motors


## Series 03A

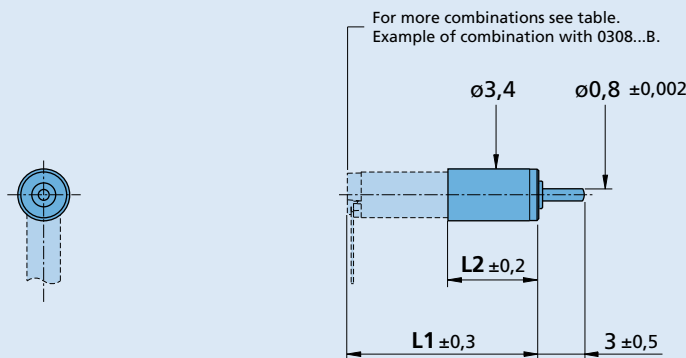
|                                    | 03A                      |
|------------------------------------|--------------------------|
| Housing material                   | plastic                  |
| Geartrain material                 | steel                    |
| Recommended max. input speed for:  |                          |
| – continuous operation             | 15 000 min <sup>-1</sup> |
| Backlash, at no-load               | ≤ 4 °                    |
| Bearings on output shaft           | bronze                   |
| Shaft load, max.:                  |                          |
| – radial (2 mm from mounting face) | ≤ 0,1 N                  |
| – axial                            | ≤ 0,2 N                  |
| Shaft press fit force, max.        | ≤ 1 N                    |
| Shaft play                         |                          |
| – radial (2 mm from mounting face) | ≤ 0,07 mm                |
| – axial                            | ≤ 0,15 mm                |
| Operating temperature range        | - 20 ... + 60 °C         |

### Technical data

|  | 2        | 3     |
|--|----------|-------|
| Number of gear stages                  |          |       |
| Continuous torque                      | mNm 0,28 | 0,88  |
| Intermittent torque                    | mNm 0,42 | 1,32  |
| Mass without motor, ca.                | g 0,2    | 0,18  |
| Efficiency, max.                       | -        | -     |
| Direction of rotation, drive to output | =        | =     |
| Reduction ratio (exact)                | 25:1     | 125:1 |
| L2 [mm] = length without motor         | 6,0      | 6,0   |
| L1 [mm] = length with motor 0308A...B  | 12,6     | 12,6  |

**Note:** These gearheads are available only with motors mounted.

Scale enlarged 



03A