

# Planetary Gearheads

## 25 mNm

For combination with  
DC-Micromotors  
Brushless DC-Motors  
Stepper Motors

### Series 06/1

|                                      | 06/1              | 06/1K             |
|--------------------------------------|-------------------|-------------------|
| Housing material                     | steel             | steel             |
| Geartrain material                   | steel             | steel             |
| Recommended max. input speed for:    |                   |                   |
| – continuous operation               | 8 000 rpm         | 8 000 rpm         |
| Backlash, at no-load                 | $\leq 3^\circ$    | $\leq 3^\circ$    |
| Bearings on output shaft             | sintered bearings | ball bearings     |
| Shaft load, max.:                    |                   |                   |
| – radial (3,5 mm from mounting face) | $\leq 0,5$ N      | $\leq 5$ N        |
| – axial                              | $\leq 0,5$ N      | $\leq 3$ N        |
| Shaft press fit force, max.          | $\leq 3,5$ N      | $\leq 5$ N        |
| Shaft play                           |                   |                   |
| – radial (3,5 mm from mounting face) | $\leq 0,04$ mm    | $\leq 0,05$ mm    |
| – axial                              | $\leq 0,1$ mm     | $\leq 0,05$ mm    |
| Operating temperature range          | - 30 ... + 100 °C | - 30 ... + 100 °C |

### Specifications

|  |               | 1    | 2    | 3    | 4     | 5       | 6       |
|--|---------------|------|------|------|-------|---------|---------|
| Number of gear stages                  |               |      |      |      |       |         |         |
| Continuous torque                      | mNm           | 25   | 25   | 25   | 25    | 25      | 25      |
| Intermittent torque                    | mNm           | 35   | 35   | 35   | 35    | 35      | 35      |
| Weight without motor, ca.              | g             | 2    | 2,8  | 3,4  | 4     | 4,4     | 5       |
| Efficiency, max.                       | %             | 90   | 80   | 70   | 60    | 55      | 48      |
| Direction of rotation, drive to output |               | =    | =    | =    | =     | =       | =       |
| Reduction ratio (exact)                |               | 4:1  | 16:1 | 64:1 | 256:1 | 1 024:1 | 4 096:1 |
| L2 [mm] = length without motor         |               | 9,2  | 11,9 | 14,6 | 17,3  | 20,0    | 22,7    |
| L1 [mm] = length with motor            | 0615C...S     | 24,2 | 26,9 | 29,6 | 32,3  | 35,0    | 37,7    |
|  | 0620C...B     | 29,2 | 31,9 | 34,6 | 37,3  | 40,0    | 42,7    |
|  | ADM0620...-05 | 18,8 | 21,5 | 24,2 | 26,9  | 29,6    | 32,3    |

