

Planetary Gearheads

3,5 Nm

For combination with
DC-Micromotors
Brushless DC-Motors

Series 26/1 S

| | 26/1 S |
|-------------------------------------|--------------------------|
| Housing material | steel |
| Geartrain material | steel |
| Recommended max. input speed for: | |
| – continuous operation | 4 000 rpm |
| Backlash, at no-load | ≤ 1 ° |
| Bearings on output shaft | ball bearings, preloaded |
| Shaft load, max.: | |
| – radial (10 mm from mounting face) | ≤ 150 N |
| – axial | ≤ 100 N |
| Shaft press fit force, max. | ≤ 150 N |
| Shaft play | |
| – radial (10 mm from mounting face) | ≤ 0,03 mm |
| – axial | ≤ 0,1 mm |
| Operating temperature range | - 30 ... + 100 °C |

Specifications

| | | 2 | 3 | 4 | 5 |
|--|-------------|-----------------------|----------------------|-------------------------|------------------------------------|
| Number of gear stages | | | | | |
| Continuous torque | Nm | 3,5 | 3,5 | 3,5 | 3,5 |
| Intermittent torque | Nm | 4,5 | 4,5 | 4,5 | 4,5 |
| Weight without motor, ca. | g | 116 | 139 | 162 | 185 |
| Efficiency, max. | % | 80 | 70 | 60 | 55 |
| Direction of rotation, drive to output | | = | = | = | = |
| Reduction ratio ¹⁾ (rounded) | | 9,7:1 14:1 23:1 | 43:1 66:1 86:1 | 134:1 159:1 246:1 | 415:1 592:1 989:1 1 526:1 |
| L2 [mm] = length without motor | | 36,4 | 44,4 | 52,4 | 60,5 |
| L1 [mm] = length with motor | | 78,4 | 86,4 | 94,4 | 102,5 |
| | 2342S...CR | 78,4 | 86,4 | 94,4 | 102,5 |
| | 2642W...CR | 78,4 | 86,4 | 94,4 | 102,5 |
| | 2642W...CXR | 78,4 | 86,4 | 94,4 | 102,5 |
| | 2657W...CR | 93,4 | 101,4 | 109,4 | 117,5 |
| | 2657W...CXR | 93,4 | 101,4 | 109,4 | 117,5 |
| | 2232S...BSL | 68,8 | 76,8 | 84,8 | 92,9 |
| | 2248S...BSL | 84,4 | 92,4 | 100,4 | 108,5 |
| | 2444S...B | 80,4 | 88,4 | 96,4 | 104,5 |

¹⁾ The reduction ratios are rounded, the exact values are available on request or at www.faulhaber.com.

Note: The gearheads as S-type have all steel gears and heavy duty lubricant for extended lifetime performance.

