

Spur Gearheads

0,1 Nm

For combination with
DC-Micromotors

Series 16/5

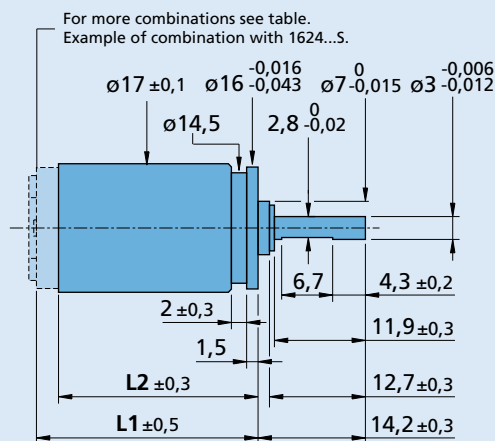
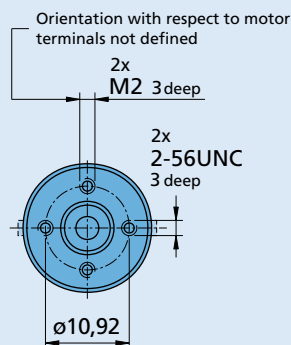
| | 16/5 |
|--------------------------------------|--------------------------|
| Housing material | metal |
| Geartrain material ¹⁾ | plastic/steel |
| Recommended max. input speed for: | |
| – continuous operation | 5 000 min ⁻¹ |
| Backlash, at no-load | ≤ 3 ° |
| Bearings on output shaft | ball bearings, preloaded |
| Shaft load, max.: | |
| – radial (6,5 mm from mounting face) | ≤ 25 N |
| – axial | ≤ 5 N |
| Shaft press fit force, max. | ≤ 5 N |
| Shaft play | |
| – radial (6,5 mm from mounting face) | ≤ 0,03 mm |
| – axial | = 0 mm |
| Operating temperature range | - 30 ... + 100 °C |

Technical data

| | 2 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 |
|--|-----------------|--------------|------|-------|-------|-------|-------|---------|---------|
| Number of gear stages | | | | | | | | | |
| Continuous torque | mNm 60 | 60 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Intermittent torque | mNm 150 | 150 | 300 | 150 | 300 | 150 | 300 | 150 | 300 |
| Mass without motor, ca. | g 17 | 19 | 21 | 21 | 22 | 22 | 24 | 24 | 25 |
| Efficiency, max. | % 81 | 73 | 66 | 66 | 59 | 59 | 53 | 53 | 48 |
| Direction of rotation, drive to output | = | ≠ | = | = | ≠ | ≠ | = | = | ≠ |
| Reduction ratio ²⁾ (rounded) | 6,3:1 11,8:1 | 22:1 41:1 | 76:1 | 141:1 | 262:1 | 485:1 | 900:1 | 1 670:1 | 3 101:1 |
| L2 [mm] = length without motor | 26,2 | 29,9 | 32,0 | 32,0 | 34,1 | 34,1 | 36,2 | 36,2 | 38,3 |
| L1 [mm] = length with motor 1624E...S | 37,1 | 40,8 | 42,9 | 42,9 | 45,0 | 45,0 | 47,1 | 47,1 | 49,2 |

¹⁾ Gearheads with ratios < 3 101:1 have all steel gears.

²⁾ The reduction ratios are rounded, the exact values are available on request or at www.faulhaber.com.



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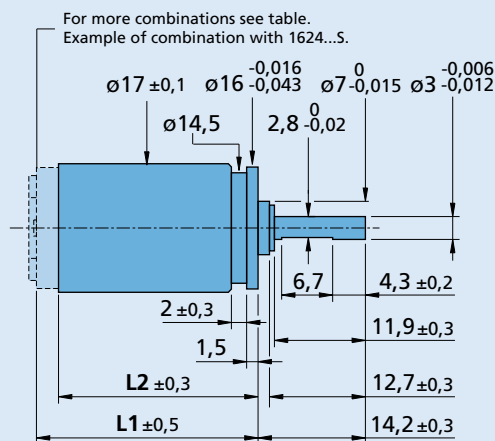
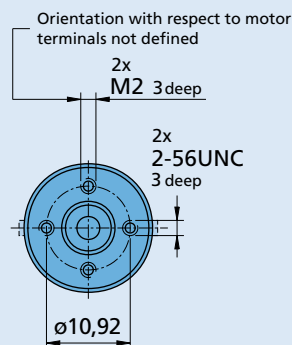
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| Technical data | | 7 | 8 | 8 | 9 | 9 | 10 | 10 |
|--|-----|---------|----------|----------|----------|----------|-----------|-----------|
| Number of gear stages | | | | | | | | |
| Continuous torque | mNm | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Intermittent torque | mNm | 150 | 300 | 150 | 300 | 150 | 300 | 150 |
| Mass without motor, ca. | g | 25 | 26 | 26 | 28 | 28 | 30 | 30 |
| Efficiency, max. | % | 48 | 43 | 43 | 39 | 39 | 35 | 35 |
| Direction of rotation, drive to output | | ≠ | = | = | ≠ | ≠ | = | = |
| Reduction ratio ²⁾ (rounded) | | 5 752:1 | 10 683:1 | 19 813:1 | 36 796:1 | 68 245:1 | 126 741:1 | 235 067:1 |
| L2 [mm] = length without motor | | 38,3 | 40,4 | 40,4 | 42,5 | 42,5 | 44,6 | 44,6 |
| L1 [mm] = length with motor 1624E...S | | 49,2 | 51,3 | 51,3 | 53,4 | 53,4 | 55,5 | 55,5 |

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