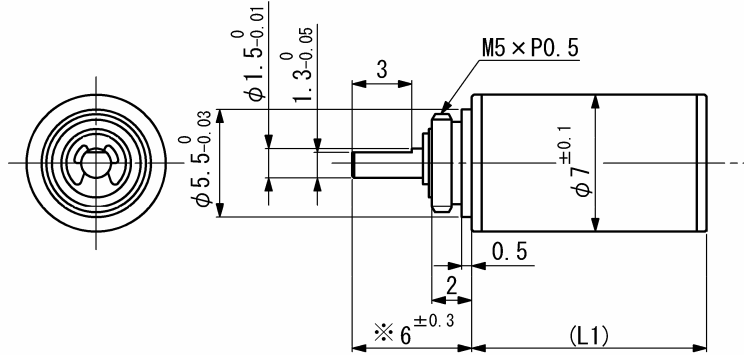


SPG07

Planetary gearhead



Dimension in mm

Note) Dimension marked ※ is measured with shaft pushed against gearhead.

For combination with motors: SCL07-17, SBL07-12

General specifications

| | SPG07 | |
|---|--------------------------|-----|
| Housing material | Metal | |
| Geartrain material | Steel | |
| Recommended max. input speed | 12000 | rpm |
| Operating temperature range | -10...+60 | °C |
| Backlash at no-load per stage | ≤ 1 | ° |
| Bearings on output shaft | Sintered sleeve bearings | |
| Max. shaft radial load (4.5 mm from flange) | 1 | N |
| Max. shaft axial load | 0.5 | N |
| Max. shaft press fit force | 10 | N |
| Shaft radial play | ≤ 0.03 | mm |
| Shaft axial play | ≤ 0.3 | mm |

| Ratio (nominal) | Stage | Gearhead length, L1 [mm] | Gearhead weight [g] | Max. allowable torque [mNm] | | Length with motor [mm] | | | | Efficiency [%] | Direction of rotation | | |
|-----------------|-------|--------------------------|---------------------|-----------------------------|--------------|------------------------|----------|--|--|----------------|-----------------------|----|---|
| | | | | Continuous | Intermittent | SCL07-17 | SBL07-12 | | | | | | |
| 4.7 : 1 | 1 | 7.4 | 2 | 10 | 20 | 24.9 | 19.4 | | | | | 85 | = |
| 22 : 1 | 2 | 9.6 | 2.5 | 10 | 20 | 27.1 | 21.6 | | | | | 72 | = |
| 105 : 1 | 3 | 11.8 | 3 | 10 | 20 | 29.3 | 23.8 | | | | | 61 | = |
| 494 : 1 | 4 | 14.1 | 3.5 | 10 | 20 | 31.6 | 26.1 | | | | | 52 | = |

V01