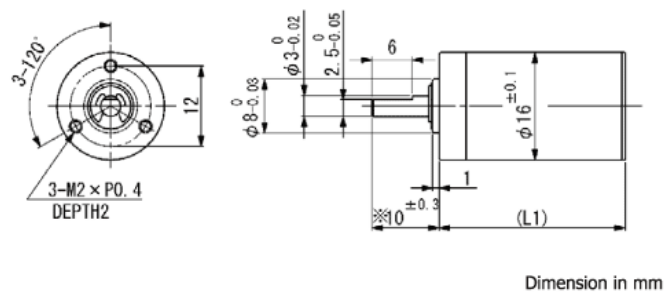


Gearhead SPG16

[HOME](#) [Products](#) [Small Motors](#) [DC Coreless Motors](#) [Gearhead](#) [Gearhead SPG16](#)

Planetary Gearhead



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

SPG16 General specifications

		Gearhead SPG16	
1	Housing material	Metal	
2	Geartrain material	Steel	
3	Recommended max input speed	6000	rpm
4	Operation temperature range	-10...+60	°C
5	Backlash at no-load per stage	≤ 1	°
6	Bearings on output shaft	Sintered Sleeve bearings	
7	Max shaft radial load(7mm from flange)	4(25)	N
8	Max shaft axial load	2	N
9	Max shaft press fit force	30	N
10	Shaft radial play	≤ 0.03	mm
11	Shaft axial play	≤ 0.3	mm
12	Max allowable torque (Continuous)	200	mNm
13	Max allowable torque (Intermittent)	400	mNm

Spec Based on stages

	Gear Ratio	3.6	4.7	13	22	61	105	
14	Reduction ratio (absolute value)	3.60:1	4.80:1	12.25:1	22.56:1	58.19:1	107.177:1	
15	Number of stage	1	1	2	2	3	3	
16	Efficiency	85.0	85.0	72.3	72.3	61.4	61.4	%
17	Direction of rotation	=	=	=	=	=	=	
18	Gearhead length : L1	14.2	14.2	18	18	21.8	21.8	mm
19	Weight	11.6	11.6	14.1	14.1	16.6	16.6	g

Combination with motor

Type	Model name	3.6	4.7	13	22	61	105	
Coreless Motor	CMS16-23..P	37.9	37.9	42.1	42.1	46.3	46.3	mm
	CMS16-28..P	42.9	42.9	47.1	47.1	51.3	51.3	
	CMS16-33..P	47.9	47.9	52.1	52.1	56.3	56.3	
Brushless Motor	BMS16-20..P	35.3	35.3	39.5	39.5	43.7	43.7	mm
	BMS16-30..P	45.3	45.3	49.5	49.5	53.7	53.7	