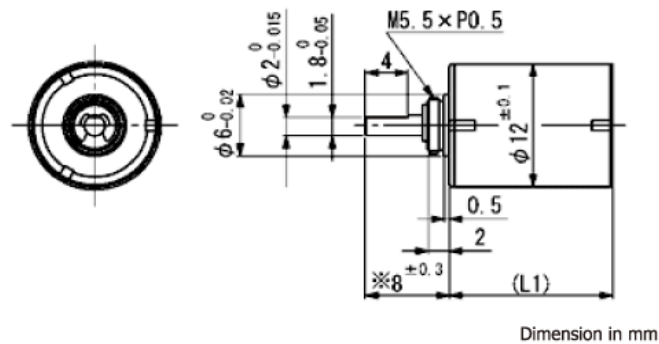


Gearhead SSG12

[HOME](#)[Products](#)[Small Motors](#)[DC Coreless Motors](#)[Gearhead](#)[Gearhead SSG12](#)

Spur Gearhead



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

SSG12 General specifications

		Gearhead SSG12	
1	Housing material	Metal	
2	Geartrain material	Steel	
3	Recommended max input speed	10000	rpm
4	Operation temperature range	-10...+60	°C
5	Backlash at no-load per stage	≤ 5	°
6	Bearings on output shaft	Sintered Sleeve bearings	
7	Max shaft radial load(7mm from flange)	3	N
8	Max shaft axial load	1	N
9	Max shaft press fit force	20	N
10	Shaft radial play	≤ 0.03	mm
11	Shaft axial play	≤ 0.2	mm
12	Max allowable torque (Continuous)	15 (12)	mNm
13	Max allowable torque (Intermittent)	30	mNm

Spec Based on stages

	Gear Ratio	16	25	47	74	94	175	282	
14	Reduction ratio (absolute value)	15.78:1	24.70:1	47.35:1	74.10:1	93.86:1	175.50:1	281.58:1	
15	Number of stage	3	3	4	4	4	5	5	
16	Efficiency	73	73	66	66	66	59	59	%
17	Direction of rotation	≠	≠	=	=	=	≠	≠	
18	Gearhead length : L1	14	14	16	16	16	18	18	mm
19	Weight	8.3	8.3	9.2	9.2	9.2	10.2	10.2	g

Combination with motor

Type	Model name	16	25	47	74	94	175	282	
Coreless Motor	CMS12-15..S	29	29	31	31	31	33	33	mm
	CMS12-20..S	33.2	33.2	35.2	35.2	35.2	37.2	37.2	mm
	CMS12-30..S	43.5	43.5	45.5	45.5	45.5	47.5	47.5	
Brushless Motor	BMS12-15..S	29.0	29.0	31.0	31.0	31.0	33.0	33.0	mm
	BMS12-21..S	35.0	35.0	37.0	37.0	37.0	39.0	39.0	mm