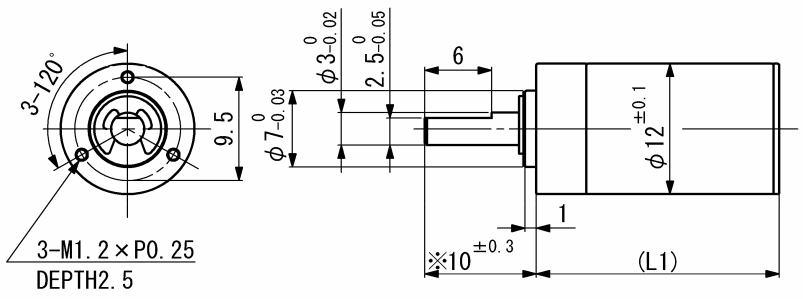
PRECISION GEARHEAD SERIES

SPG12

Planetary gearhead



Dimension in mm

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

For combination with motors: SCL12-20, SCL12-22, SCL12-30

General specifications	SPG12	
Housing material	Metal	
Geartrain material	Steel	
Recommended max. input speed	8000	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 (7 mm from flange)	4 (25)	N
Max. shaft axial load	2	N
Max. shaft press fit force	30	N
Shaft radial play	≦ 0.03	mm
Shaft axial play	≦ 0.3	mm

In parenthesis the max. radial load with ball bearing option.

Ratio (nominal)	Stage	Gearhead length, L1 [mm]	Gearhead weight [g]	Max. allowable torque [mNm]		Length with motor [mm]						Efficiency [%]	Direction of rotation
				Continuous	Intermittent	SCL12-20	SCL12-22	SCL12-30					
3.5 : 1	1	14.2	11.6	100	200	35.2	37.2	46.2				85	=
4.8 : 1	1	14.2	11.6	100	200	35.2	37.2	46.2				85	=
12 : 1	2	18	14.1	100	200	39	41	50				72	=
23 : 1	2	18	14.1	100	200	39	41	50				72	=
58 : 1	3	21.8	16.6	100	200	42.8	44.8	53.8				61	=
107 : 1	3	21.8	16.6	100	200	42.8	44.8	53.8				61	=
509 : 1	4	25.7	19.1	100	200	46.7	48.7	57.7				52	=

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Specifications subject to change without notice

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