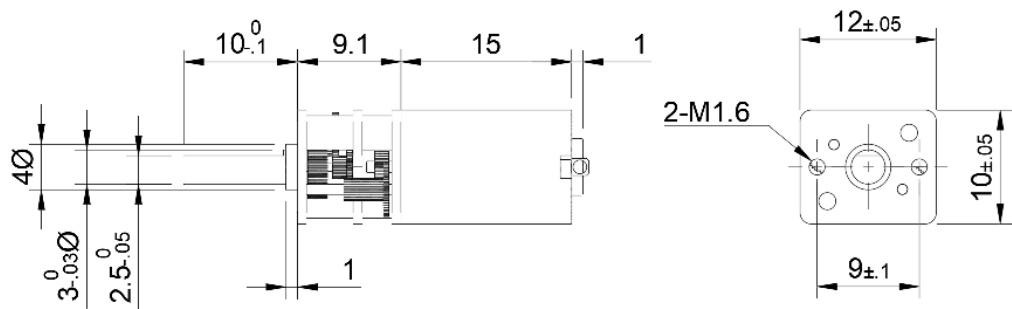


GS 12 + N20 Spur Gearmotor

Ø12 mm, 30:1 reduction



S 3:2

All dimensions in [mm]
Views in first angle projection

Gearmotor data

Values at 6V reference voltage

1	Stall torque	Nm	0.086
2	Stall torque	kgcm	0.88
3	Free running speed	RPM	985
4	Free running speed	rad/s	103
5	Max. output power	W	1.06
6	Max. efficiency	%	43
7	Maximum temperature	°C	120

Motor specifications

8	Max. voltage	V	9
At 6V reference voltage			
9	Max. efficiency	%	50
10	No load speed	RPM	29500
11	Stall current	A	2
12	Stall power draw	W	12

Gearhead specifications

Key data

13	Number of stages	4
14	Reduction	30:1
15	Gear module	module 0.15

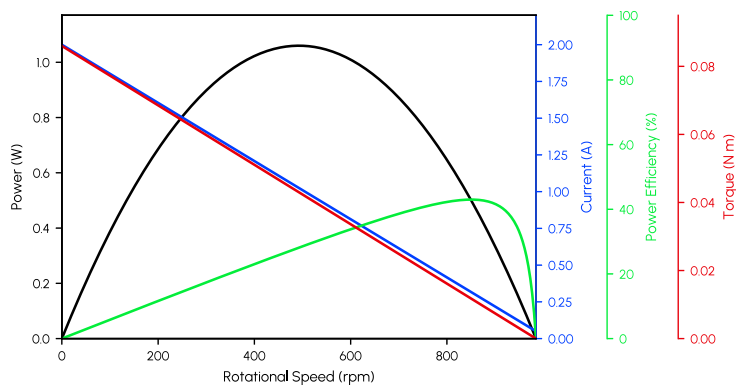
Mechanical data

16	Max backlash no load	°	2.5
17	Max intermittent dynamic axial load	N	50
18	Max intermittent dynamic radial load ¹	N	50
19	Max radial play no load	mm	0.2
20	Max axial play no load	mm	0.1

Mass and dimensions

21	Mass	g	9.7
22	Length	mm	32.1
23	Frontal dimensions	mm	10 × 12
24	Shaft length	mm	10
25	Shaft diameter	mm	3

Operating range



Other specifications

Gearhead materials

Plates: Steel
Spacer rods: High zinc brass
Gears: Steel

Mounting

Front screw: M1.6