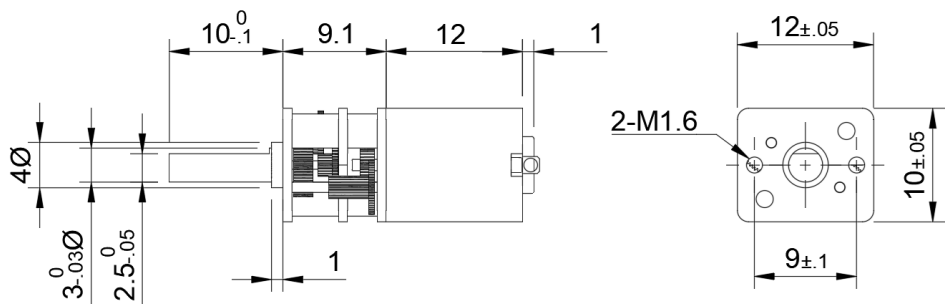


GS 12 + N10 Spur Gearmotor

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	0.051
2	Stall torque	kgcm	0.52
3	Free running speed	RPM	1000
4	Free running speed	rad/s	105
5	Max. output power	W	0.63
6	Max. efficiency	%	44
7	Maximum temperature	°C	120

Motor specifications

8	Max. voltage	V	9
At 6V reference voltage			
9	Max. efficiency	%	53
10	No load speed	RPM	30100
11	Stall current	A	0.85
12	Stall power draw	W	5.1

Gearhead specifications

Key data

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

Mechanical data

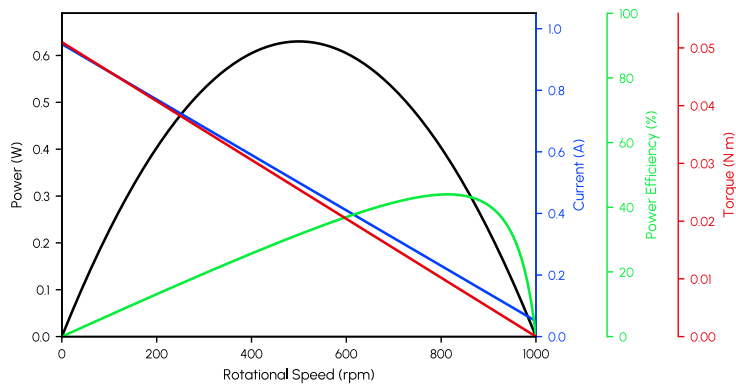
16	Max backlash no load	°	2.5
17	Max intermittent dynamic axial load	N	50
18	Max intermittent dynamic radial load ¹	N	50
19	Max radial play no load	mm	0.2
20	Max axial play no load	mm	0.1

¹10 mm from flange

Mass and dimensions

21	Mass	g	8.1
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