

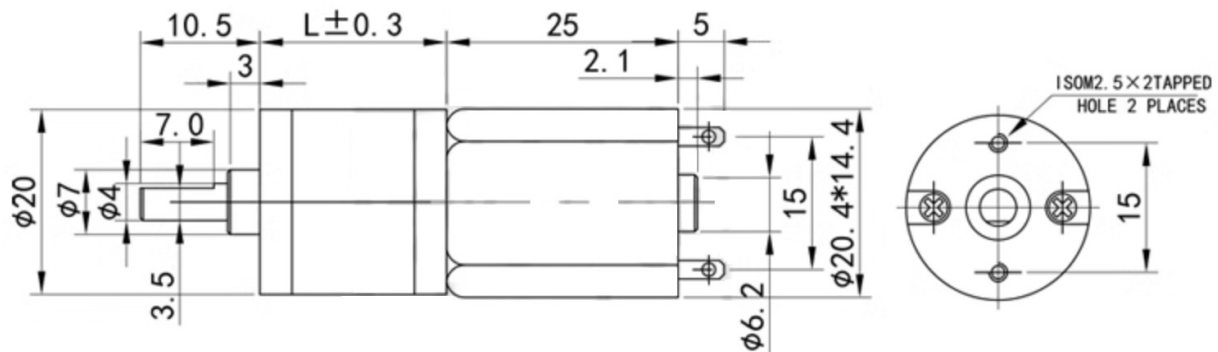
MG20A Gear Motor

Motor size: $\Phi 20\text{mm}$

Typical Application: Instrument, Medical instrument, Robot, intelligent manipulator, intelligent furniture, intelligent focusing system, miniature cradle head



Dimension



Specification DC 6V

Model	No Load Current (mA)	No Load Speed (rpm)	Rated Speed (rpm)	Rated Torque (Kg.cm)	Rated Current (mA)	Stall Torque (Kg.cm)	Stall Current (A)	Gear Box Length L(mm)	GearRatio
MG20A-060280-25	≤ 110	280	210	0.2	≤ 700	0.6	≤ 1.2	16	25:1
MG20A-060225-31	≤ 110	225	170	0.25	≤ 700	0.8	≤ 1.2	16	31:1
MG20A-060112-62	≤ 110	112	85	0.5	≤ 700	1.5	≤ 1.2	17.5	62.5:1
MG20A-060090-78	≤ 110	90	65	0.6	≤ 700	1.8	≤ 1.2	17.5	78:1
MG20A-060070-100	≤ 110	70	52	0.8	≤ 700	2.0	≤ 1.2	19	100:1
MG20A-060062-125	≤ 110	56	40	1	≤ 700	2.5	≤ 1.2	19	125:1
MG20A-060045-156	≤ 110	45	33	1.2	≤ 700	3.5	≤ 1.2	19	156:1
MG20A-060036-195	≤ 110	36	26	1.5	≤ 700	4.5	≤ 1.2	19	195:1
MG20A-060028-250	≤ 110	28	20	2	≤ 700	can't exceed 6.0Kg.cm	≤ 1.2	20.5	250:1
MG20A-060022-312	≤ 110	22	16	2.5	≤ 700		≤ 1.2	20.5	312:1
MG20A-060018-390	≤ 110	18	13	3	≤ 700		≤ 1.2	20.5	390:1
MG20A-060014-488	≤ 110	14	10	4	≤ 700		≤ 1.2	20.5	488:1

Specification DC12V

Model	No Load Current (mA)	No Load Speed (rpm)	Rated Speed (rpm)	Rated Torque (Kg.cm)	Rated Current (mA)	Stall Torque (Kg.cm)	Stall Current (A)	Gear Box Length L(mm)	GearRatio
MG20A-120190-25	≤50	190	135	0.2	≤100	0.6	≤0.2	16	25:1
MG20A-120152-31	≤50	152	110	0.25	≤100	0.8	≤0.2	16	31:1
MG20A-120075-62	≤50	75	55	0.5	≤100	1.5	≤0.2	17.5	62.5:1
MG20A-120060-78	≤50	60	43	0.6	≤100	1.8	≤0.2	17.5	78:1
MG20A-120047-100	≤50	47	34	0.8	≤100	2.0	≤0.2	19	100:1
MG20A-120037-125	≤50	37	27	1	≤100	2.5	≤0.2	19	125:1
MG20A-120030-156	≤50	30	322	1.2	≤100	3.5	≤0.2	19	156:1
MG20A-120024-195	≤50	24	17	1.5	≤100	4.5	≤0.2	19	195:1
MG20A-120019-250	≤50	19	13	2	≤100	can't exceed 6.0Kg.cm	≤0.2	20.5	250:1
MG20A-120015-312	≤50	15	11	2.5	≤100		≤0.2	20.5	312:1
MG20A-120012-390	≤50	12	9	3	≤100		≤0.2	20.5	390:1
MG20A-120010-488	≤50	10	7	4	≤100		≤0.2	20.5	488:1

Specification DC3V

Model	No Load Current (mA)	No Load Speed (rpm)	Rated Speed (rpm)	Rated Torque (Kg.cm)	Rated Current (mA)	Stall Torque (Kg.cm)	Stall Current (A)	Gear Box Length L(mm)	GearRatio
MG20A-030310-25	≤260	310	210	0.2	≤700	0.6	≤2.3	16	25:1
MG20A-030240-31	≤260	240	170	0.25	≤700	0.8	≤2.3	16	31:1
MG20A-030125-62	≤260	125	85	0.5	≤700	1.5	≤2.3	17.5	62.5:1
MG20A-030100-78	≤260	100	65	0.6	≤700	1.8	≤2.3	17.5	78:1
MG20A-030078-100	≤260	78	52	0.8	≤700	2.0	≤2.3	19	100:1
MG20A-030062-125	≤260	62	40	1	≤700	2.5	≤2.3	19	125:1
MG20A-030050-156	≤260	50	33	1.2	≤700	3.5	≤2.3	19	156:1
MG20A-030040-195	≤260	40	26	1.5	≤700	4.5	≤2.3	19	195:1
MG20A-030031-250	≤260	31	20	2	≤700	can't exceed 6.0Kg.cm	≤2.3	20.5	250:1
MG20A-030025-312	≤260	25	16	2.5	≤700		≤2.3	20.5	312:1
MG20A-030020-390	≤260	20	13	3	≤700		≤2.3	20.5	390:1
MG20A-030016-488	≤260	16	10	4	≤700		≤2.3	20.5	488:1