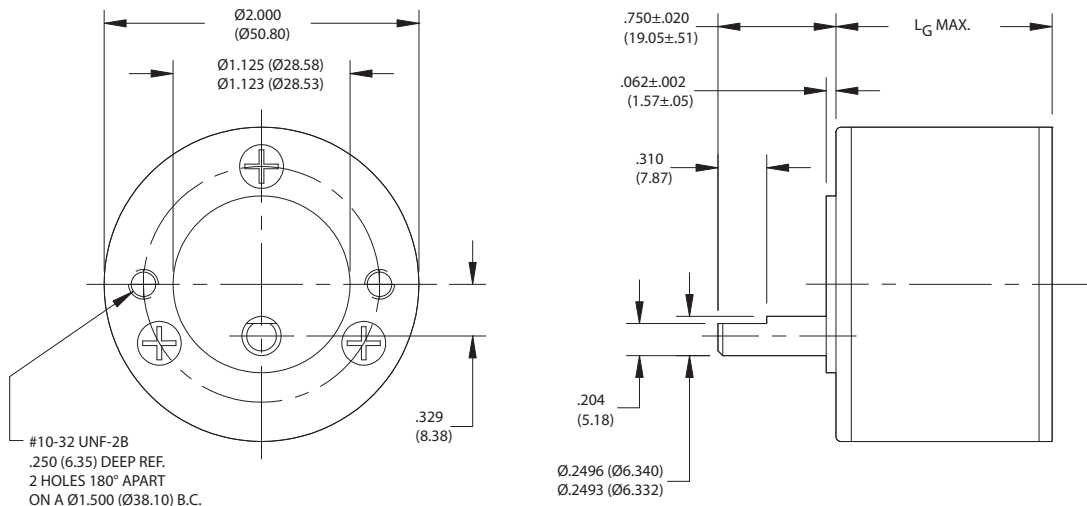


Gearboxes

G51A Spur Gearbox

High Torque Gears

PITTMAN®



Reduction Ratio Designation

Specification	Units	G51A-HT 5.9:1	G51A-HT 11.5:1	G51A-HT 19.7:1	G51A-HT 38.3:1	G51A-HT 65.5:1	G51A-HT 127.8:1	G51A-HT 218.4:1	G51A-HT 425.9:1	G51A-HT 728.1:1	G51A-HT 1419.8:1	G51A-HT 2426.9:1	G51A-HT 4732.5:1
Maximum Load	oz-in	300	300	300	300	300	300	300	300	300	300	300	300
	Nm	2.118	2.118	2.118	2.118	2.118	2.118	2.118	2.118	2.118	2.118	2.118	2.118
Weight (Mass)	oz	5.90	5.90	6.26	6.26	6.62	6.62	6.98	6.98	7.34	7.34	8.18	8.18
	g	167.3	167.3	177.5	177.5	187.7	187.7	197.9	197.9	208.1	208.1	231.9	231.9
Length	Inches	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.373	1.528	1.528
	mm	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	38.8	38.8
Exact Ratio	-	230/ 39	23/ 2	2300/ 117	115/ 3	23000/ 351	1150/ 9	230000/ 1053	11500/ 27	2300000/ 3159	115000/ 81	23000000/ 9477	1150000/ 243
Efficiency	-	81	81	73	73	66	66	59	59	53	53	48	48
Shaft Rotation	-	CW	CW	CCW	CCW	CW	CW	CCW	CCW	CW	CW	CCW	CCW

Standard Construction

- Three choices of gearing strength
- Standard and wide face gearboxes feature sintered steel spur gears
- Sintered bronze output bearing strength
- High torque gearbox features hardened sintered steel spur gears

Options

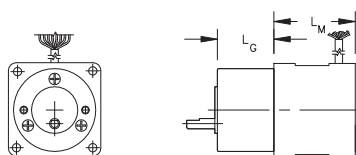
- Alternate mounting and shaft configuration
- Output ball bearing for high radial loads
- Special greases for extreme operating temperatures
- Delrin or helical gear clusters for reduced noise (select ratios)
- Shortened overall lengths (select ratios)

Notes:

¹ Maximum load represents gearbox capability only. Continuous load torque capability will vary with gear ratio, motor selection, and operating conditions.

² Shaft rotation is designated while looking at output shaft with motor operating in a clockwise direction. Gearboxes have bi-directional capability.

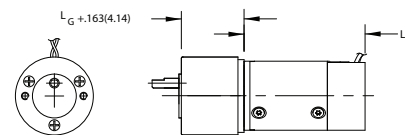
N2300 Series Motor with G51A (GN2310) (Available with ratios: 5.9, 19.7, 65.5, 218.4)



Motor	Length L _M max in (mm)
N2311	1.532 (38.91)
N2312	1.982 (50.34)
N2313	2.482 (63.04)
N2314	2.982 (75.74)

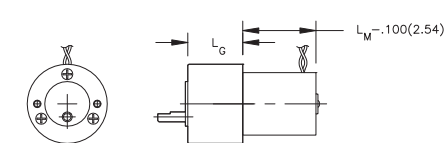
For use with the following motor series:

8540 Series Motor with G51A (GM8840)



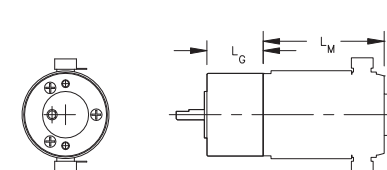
Motor	Length L _M max in (mm)
8541	2.114 (53.69)
8542	2.585 (65.66)
9234	2.403 (77.650)

9230 Series Motor with G51A (GM9230)



Motor	Length L _M max in (mm)
9232	1.828 (46.43)
9233	2.203 (55.96)
9234	2.403 (61.04)
9235	2.703 (68.66)
9236	3.053 (77.55)
9237	3.353 (85.17)

14200 Series Motor with G51A (GM14900) (Available with ratios: 5.9, 19.7, 65.5, 218.4)



Motor	Length L _M max in (mm)
14201	2.953 (75.01)
14202	3.203 (81.36)
14203	3.703 (94.06)
14204	4.078 (103.6)
14205	4.453 (113.1)
14206	4.953 (125.8)
14207	5.703 (144.9)

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AMETEK TECHNICAL & INDUSTRIAL PRODUCTS

343 Godshall Drive, Harleysville, PA 19438
USA: +1 215-256-6601 - Europe: +44 (0) 845 366 9664 - Asia: +86 21 5763 1258
www.ametektip.com