

### MG MOTOR DIMENSIONS

English Dimensions inches (mm)	2"		3"		4"		
	MGE-205	MGE-208	MGE-316	MGE-340	MGE-455	MGE-490	MGE-4120
A Length Overall - Unbraked (Max)	5.55 (141)	6.75 (171.4)	7.24 (183.9)	10.24 (260.1)	8.61 (218.7)	11.11 (282.1)	13.61 (345.7)
A Length Overall - Braked (Max)	-	-	8.74 (222)	-	10.61 (269.5)	13.11 (332.9)	15.61 (396.5)
B Flange Square	2.25 (57.2)	2.25 (57.2)	3.31 (84.1)	3.31 (84.1)	5 (127)	5 (127)	5 (127)
C Flange Thickness	0.46 (11.7)	0.46 (11.7)	0.44 (11.2)	0.44 (11.2)	0.53 (13.5)	0.53 (13.5)	0.53 (13.5)
D Pilot Diameter	1.502 (38.15)	1.502 (38.15)	2.877 (73.08)	2.877 (73.08)	4.5 (114.3)	4.5 (114.3)	4.5 (114.3)
E Pilot Thickness	0.06 (1.6)	0.06 (1.6)	0.06 (1.6)	0.06 (1.6)	0.1 (2.5)	0.1 (2.5)	0.1 (2.5)
F Bolt Hole Diameter	0.205 (5.21)	0.205 (5.21)	0.233 (5.66)	0.233 (5.66)	0.375-16 unc	0.375-16 unc	0.375-16 unc
G Bolt Circle Diameter	2.625 (66.68)	2.625 (66.68)	3.875 (98.43)	3.875 (98.43)	5.875 (149.23)	5.875 (149.23)	5.875 (149.23)
H Signal Connector Height - Unbraked (Max)	2 (51)	2 (51)	2.5 (64)	2.5 (64)	3.2 (81.3)	3.2 (81.3)	3.7 (95)
H Signal Connector Height - Braked (Max)	-	-	2.5 (64)	2.7 (68)	3.3 (83)	3.3 (83)	3.3 (83)
I Shaft Length	1.2 (30.5)	1.2 (30.5)	1.2 (30.5)	1.2 (30.5)	1.9 (48.2)	1.9 (48.2)	1.9 (48.2)
J Shaft Diameter	0.375 (9.53)	0.375 (9.53)	0.4997 (12.7)	0.4997 (12.69)	0.6245 (15.862)	0.875 (22.23)	0.875 (22.225)

Shaft key Dimensions							
K Keyway Length (Min)	0.563 (14.3)	0.563 (14.3)	0.9 (22.9)	0.9 (22.9)	1.5 (38.1)	1.5 (38.1)	1.5 (38.1)
L Keyway Depth	0.3 (7.6)	0.3 (7.6)	0.42 (10.7)	0.42 (10.7)	0.51 (13)	0.77 (19.6)	0.77 (19.6)
M Keyway Width	0.127 (3.23)	0.127 (3.23)	0.1265 (3.2)	0.1265 (3.21)	0.189 (4.801)	0.189 (4.801)	0.189 (4.801)

Metric Dimensions inches (mm)	2"		3"		4"		
	MGM-205	MGM-208	MGM-316	MGM-340	MGM-455	MGM-490	MGM-4120
A Length Overall - Unbraked (Max)	5.49 (139.5)	6.69 (170)	7.24 (183.9)	10.24 (260.1)	8.59 (218.2)	11.09 (281.7)	13.59 (345.2)
A Length Overall - Braked (Max)	-	-	8.74 (222)	11.74 (298.2)	10.59 (269)	13.09 (332.5)	15.59 (396.0)
B Flange Square	66 (2.598)	66 (2.598)	3.5 (89)	3.5 (89)	4.76 (121)	4.76 (121)	4.76 (121)
C Flange Thickness	0.4 (10.2)	0.4 (10.2)	0.44 (11.2)	0.44 (11.2)	0.51 (13)	0.51 (13)	0.51 (13)
D Pilot Diameter	1.9685 (50)	1.969 (50)	3.15 (80.01)	3.15 (80.01)	4.331 (110.1)	4.331 (110.1)	4.331 (110.1)
E Pilot Thickness	0.12 (3)	0.12 (3)	0.12 (3)	0.12 (3)	0.12 (3)	0.12 (3)	0.12 (3)
F Bolt Hole Diameter	0.197 (5)	0.197 (5)	0.276 (7.01)	0.276 (7.01)	0.375-16 unc	0.375-16 unc	0.375-16 unc
G Bolt Circle Diameter	3.15 (80)	3.15 (80)	3.937 (100)	3.937 (100)	5.709 (145)	5.709 (145)	5.709 (145)
H Signal Connector Height - Unbraked (Max)	2 (51)	2 (51)	2.5 (64)	2.5 (64)	3.2 (81.3)	3.2 (81.3)	3.2 (81.3)
H Signal Connector Height - Braked (Max)	-	-	2.5 (64)	2.7 (68)	3.3 (83)	3.3 (83)	3.3 (83)
I Shaft Length	1.2 (30.5)	1.2 (30.5)	1.2 (30.5)	1.2 (30.5)	1.99 (50.5)	1.99 (50.5)	1.99 (50.5)
J Shaft Diameter	0.315 (8)	0.315 (8)	0.5512 (14)	0.5512 (14)	0.748 (19)	0.9449 (24)	0.9449 (24)

Shaft key Dimensions							
K Keyway Length (Min)	0.551 (14)	0.551 (14)	0.79 (20)	0.79 (20)	1.58 (40)	1.46 (37)	1.46 (37)
L Keyway Depth	0.26 (6.7)	0.26 (6.7)	0.43 (10.9)	0.43 (10.9)	0.61 (15.49)	0.784 (19.9)	0.784 (19.9)
M Keyway Width	0.0787 (2)	0.0787 (2)	0.2 (5.08)	0.2 (5.08)	0.236 (6)	0.3149 (7.998)	0.3149 (7.998)

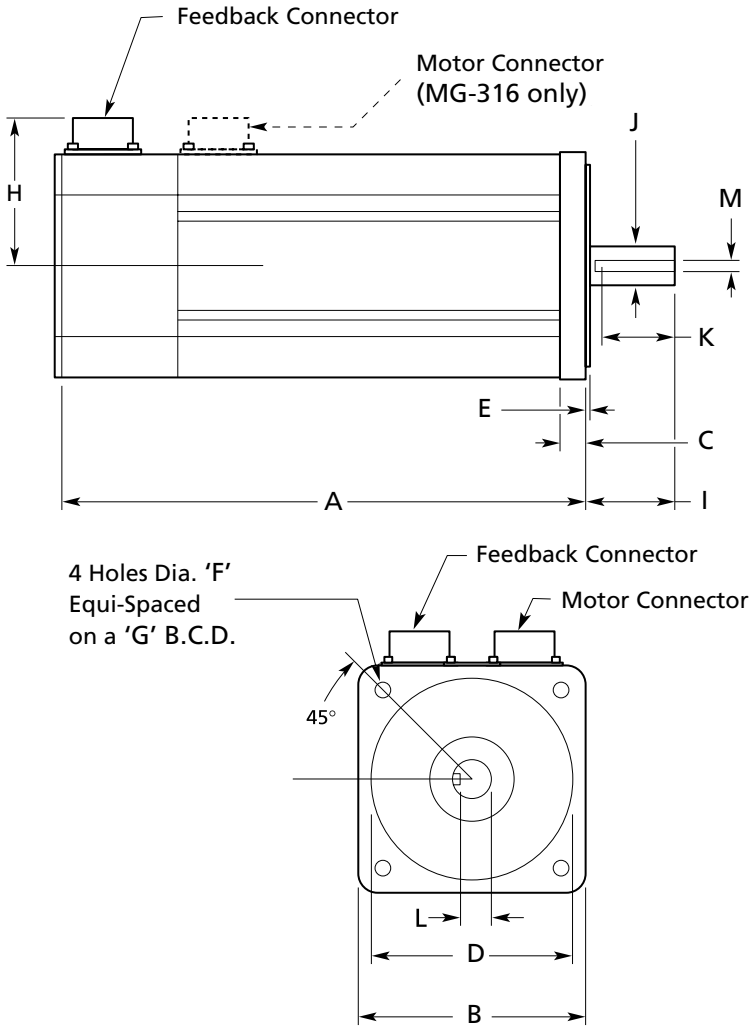
Servomotors

### MG MOTOR DIMENSIONS

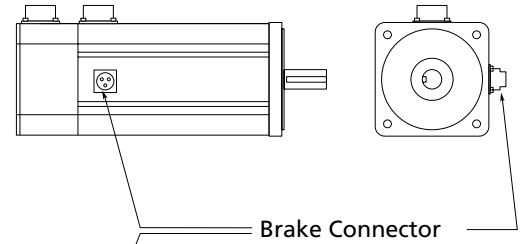
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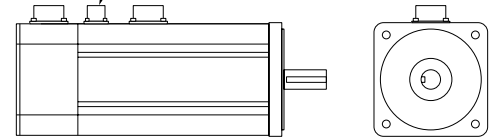
Servomotors



MG-316



MG-340



MG-455—MG-4120

