



# MOUNTING INSTRUCTION ( MD Series)

**1**

Double-check the motor and gearbox size and spec, Clean the both mounting surface.

**2**

Remove the plug on the adapter and rotate the set collar till the bolts line up with plug hole.

**3**

a. Remove motor key  
b. Insert balance key if necessary

**4**

Check motor shaft size and insert bushing if necessary.

**Correct installation.**  
When installing on flatted shafts, be sure to align the collet gap over the flat and the set collar bolt perpendicular to the flat.

**5**

Set at vertical position. Tighten the mounting bolts (including washer) on following order(1 to 4) with wrench to 5% specified torque.(Please refer to Table 1)

**6**

Tighten the set collar bolt with torque wrench to specified torque.(Please refer to table 2)

**7**

Tighten the mounting bolts with following order(1 to 4) by torque wrench to specific torque. (Please refer to Table 1)

**8**

Tighten back the screw plug.

**Table 1 Tightening Torque Recommended for Motor Mounting Bolt**

Bolt Size	Width Across Flats	Strength 8.8 Tightening Torque		Strength 10.9 Tightening Torque		Strength 12.9 Tightening Torque	
	[mm]	[Nm]	[In-lbs]	[Nm]	[In-lbs]	[Nm]	[In-lbs]
M3 x 0.5P	2.5	1.3	12	1.8	16	2.1	19
M4 x 0.7P	3	3	27	4.1	37	4.9	44
M5 x 0.8P	4	6.1	55	8.2	73	9.8	87
M6 x 1P	5	11	98	14	124	17	151
M8 x 1.25P	6	25	222	34	302	41	364
M10 x 1.5P	8	49	434	67	594	80	709
M12 x 1.75P	10	85	753	116	1028	139	1232
M14 x 2P	12	137	1214	186	1648	223	1976
M16 x 2P	14	210	1860	286	2534	343	3038

**Table 2 Tightening Torque Recommended for Set Collar Bolt**

Model	Ø (C3)	8	11	14	19	24	28	32	35	38	42	48	55	60
MD064	1-st	-	M5	M5	M6	-	-	-	-	-	-	-	-	-
	2-st	M5	M5	M5	-	-	-	-	-	-	-	-	-	-
MD090	1-st	-	-	M6	M6	M10	-	-	-	-	-	-	-	-
	2-st	-	M5	M5	M6	-	-	-	-	-	-	-	-	-
MD110	1-st	-	-	-	M8	M10	M10	M10	M12	M12	-	-	-	-
	2-st	-	-	M6	M6	M10	-	-	-	-	-	-	-	-
MD140	1-st	-	-	-	-	M10	M10	M10	M12	M12	M12	M16	-	-
	2-st	-	-	-	M8	M10	M10	M10	M12	M12	-	-	-	-
MD200	1-st	-	-	-	-	-	-	M10	M12	M12	M12	M16	M16	-
	2-st	-	-	-	-	M10	M10	M10	M12	M12	M12	M16	-	-
MD255	1-st	-	-	-	-	-	-	-	M12	M12	M12	M16	M16	-
	2-st	-	-	-	-	-	-	M10	M12	M12	M12	M16	-	-
MD285	1-st	-	-	-	-	-	-	-	M12	M12	M12	M16	M16	M16
	2-st	-	-	-	-	-	-	-	M12	M12	M12	M16	-	-
MD355	2-st	-	-	-	-	-	-	-	-	M12	M12	M16	M16	-
MD450	2-st	-	-	-	-	-	-	-	-	-	M12	M16	M16	M16

Bole Size	[mm]	M5 x 0.8P	M6 x 1P	M8 x 1.25P	M10 x 1.5P	M12 x 1.75P	M16 x 2P
Width Across Flats	[mm]	4	5	6	8	10	14
Tightening Torque	[Nm]	9.8	17	41	80	139	343
	[In-lbs]	87	151	364	709	1232	3038

NOTE: Tightening Torque values can be exceeded by 20% for increased clamping force.



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APEX-2024-02-01