



Important Information about Tables and Dimension Sheets

Information regarding the dimension sheets

8.3 Information regarding the dimension sheets

Scope of delivery



= Standard parts supplied by SEW-EURODRIVE.



= Standard parts not supplied by SEW-EURODRIVE.

Tolerances

Shaft heights

The following tolerances apply to the indicated dimensions:

h	≤ 9.84 in	→ -0.02 in
h	> 9.84 in	→ -0.04 in

Foot-mounted gear units: Check the mounted motor because it may project below the mounting surface.

Shaft ends

Diameter tolerance:

inch		mm	
∅	> 0.500...1.500	→ +0 / -0.0005	≤ 50 mm → ISO k6
∅	> 1.500...7.500	→ +0 / -0.0010	> 50 mm → ISO m6

Center bores according to DIN 332, shape D [in], shape DR [mm]:

inch		mm	
∅	0.625...0.750	→ 1/4 - 20 x 0.63	= 7...10 mm → M3
∅	1.000	→ 3/8 - 16 x 0.87	> 10...13 mm → M4
∅	1.250...1.375	→ 1/2 - 13 x 1.12	> 13...16 mm → M5
∅	1.625...1.750	→ 5/8 - 11 x 1.38	> 16...21 mm → M6
∅	2.000...2.875	→ 3/4 - 10 x 1.61	> 21...24 mm → M8
∅	3.625...4.750	→ 1 - 8 x 2.13	> 24...30 mm → M10
∅	6.250...7.500	→ 1-1/8 - 7 x 2.13	> 30...38 mm → M12
∅			> 38...50 mm → M16
∅			> 50...85 mm → M20
∅			> 85...130 mm → M24
∅			> 130 mm → M30

Keys: according to DIN 6885.

Hollow shafts

Diameter tolerance:

inch		mm	
→ ANSI H7		→ ISO H7	
∅	0.625	→ +0.0007 / -0	
∅	0.750...1.000	→ +0.0008 / -0	
∅	1.250...1.9375	→ +0.0010 / -0	
∅	2.000...2.9375	→ +0.0012 / -0	
∅	3.250...4.500	→ +0.0014 / -0	

Multiple-spline shafts

Dm = Measuring roller diameter
Me = Check size