
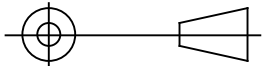


GEARMOTOR TECHNICAL DETAILS:				
ASSEMBLY P/N	TSM14POE3M-MG04	TSM14POE3M-MG05	TSM14POE3M-MG12	TSM14POE3M-MG32
TOTAL WEIGHT-MOTOR & GEARHEAD	554 g (1.22 lbs)	554 g (1.22 lbs)	607 g (1.34 lbs)	607 g (1.34 lbs)
ASSEMBLY LENGTH - TOTAL 'L' MAX	168.7 mm (6.64 in)	168.7 mm (6.64 in)	178.5 mm (7.03 in)	178.5 mm (7.03 in)

GEARHEAD TECHNICAL DETAILS:				
GEARHEAD P/N	35PH004.62-M2	35PH005.70-M2	35PH012.07-M2	35PH032.50-M2
RATIO	4.62:1	5.7:1	12.07:1	32.5:1
MAX TORQUE CONTINUOUS	2.5 Nm (354.03 oz-in)	2 Nm (283.22 oz-in)	5 Nm (708.06 oz-in)	2.5 Nm (354.03 oz-in)
MAX TORQUE	3.5 Nm (495.64 oz-in)	3 Nm (424.84 oz-in)	6.5 Nm (920.48 oz-in)	3.5 Nm (495.64 oz-in)
MAX RADIAL LOAD	≤ 200 N (44.96 lbs)	≤ 200 N (44.96 lbs)	≤ 200 N (44.96 lbs)	≤ 200 N (44.96 lbs)
MAX AXIAL LOAD	≤ 200 N (44.96 lbs)	≤ 200 N (44.96 lbs)	≤ 200 N (44.96 lbs)	≤ 200 N (44.96 lbs)
INERTIA	0.8 g-cm ² (0.004 oz-in ²)	0.8 g-cm ² (0.004 oz-in ²)	0.7 g-cm ² (0.004 oz-in ²)	0.5 g-cm ² (0.003 oz-in ²)
BACKLASH	≤ 0.8 °	≤ 0.8 °	≤ 1.2 °	≤ 1.2 °
EFFICIENCY	90 %	90 %	81 %	81 %

MATERIAL SPECIFICATIONS	
GEARTRAIN	Y15 (1213) STEEL
HOUSING	304 STAINLESS STEEL
INPUT/OUTPUT FLANGE	LY12 ALUMINUM
OUTPUT SHAFT	40Cr STEEL
PINION	Y15 (1213) STEEL

TOLERANCES		THIRD ANGLE PROJECTION		 APPLIED MOTION PRODUCTS, INC. INTEGRATED MOTOR WITH GEARHEAD ASSEMBLY M12 8PIN X CODED	
*ALL DIMENSIONS IN MM					
DECIMALS: MM X.XX = ±0.13 X.X = ±0.25 ANGLES: MACH. = ±0.5° CHAM. = ±5°		APPROVALS	DATE	REV	
COMPUTER DATA BASE DRAWING		DRAWN	3/5/20		A
		CHECKED	-		
		APPROVED	-		
SCALE: NONE				SHEET 2 OF 2	