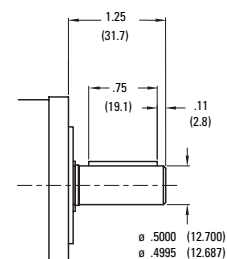
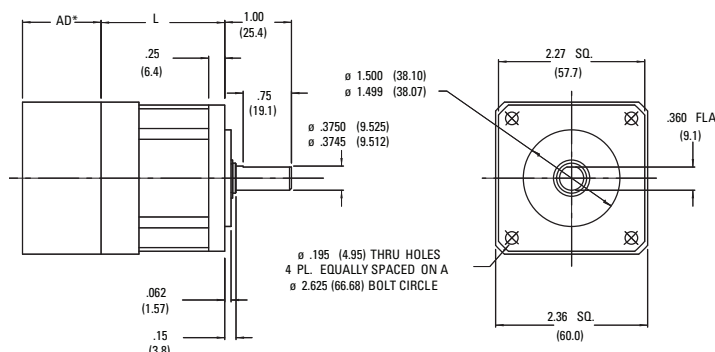


NemaTRUE™ Size 23/60

True Planetary™ Gearheads

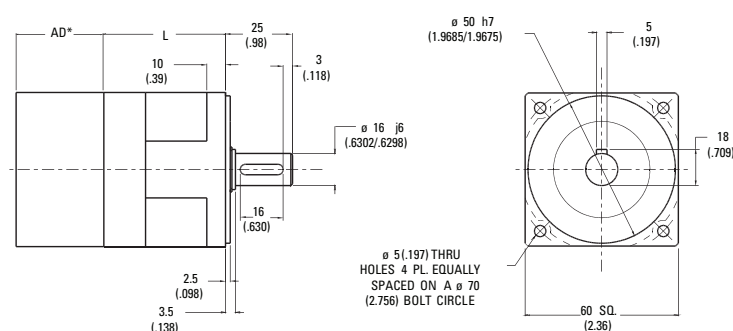
English

English - Dimensions are in (mm)



NemaTRUE PLUS* (NTP)
Heavy Duty Output Shaft

Metric - Dimensions are mm (in)



Ratio ¹	NT23	NT60	Backlash		Weight	Efficiency
	Dimension 'L' in [mm]	Dimension 'L' in [mm]	Precision	High Precision		
3:1 to 10:1	1.92 [48,8]	2.07 [52,6]	13 max	8 max	1.5 [0,7]	93%
15:1 to 100:1	2.61 [66,3]	2.76 [70,1]	15 max	9 max	1.9 [0,9]	88%

AD** = Adapter length
 Adapter length will vary depending on motor.
 Efficiency is calculated at 100% of the rated torque.

Performance Specifications

Part Number		Ratio ¹	20000 Hour Life				T _{peak} in-lb [Nm]	J in-lb-sec ² x10 ⁻⁴ [kg-cm ²]	Torsional Stiffness		
English	Metric		T _r (1000 rpm) in-lb [Nm]	T _r (2000 rpm) in-lb [Nm]	T _r (3000 rpm) in-lb [Nm]	T _r (4000 rpm) in-lb [Nm]			in-lb/arc-min [Nm/arc-min]	NT	NTP
NT23-003	NT60-003	3:1	98 [11,1]	80 [9,0]	70 [7,9]	65 [7,3]	150 [16,9]	0.67 [0,076]	6.3 [0,71]	15.8 [1,8]	
NT23-004	NT60-004	4:1	107 [12,1]	90 [10,2]	80 [9,0]	73 [8,2]	250 [28,3]	0.22 [0,024]	6.3 [0,71]	15.8 [1,8]	
NT23-005	NT60-005	5:1	105 [11,9]	88 [9,9]	78 [8,8]	71 [8,0]	250 [28,2]	0.22 [0,025]	6.3 [0,71]	15.8 [1,8]	
NT23-007	NT60-007	7:1	100 [11,3]	83 [9,4]	74 [8,4]	66 [7,5]	250 [28,3]	0.22 [0,024]	6.3 [0,71]	15.8 [1,8]	
NT23-010	NT60-010	10:1	163 [7,1]	58 [6,6]	54 [6,1]	52 [5,9]	250 [28,2]	0.14 [0,016]	6.3 [0,71]	15.8 [1,8]	
NT23-015	NT60-015	15:1	124 [14,0]	110 [12,4]	105 [11,9]	100 [11,3]	250 [28,3]	0.21 [0,024]	6.3 [0,71]	15.8 [1,8]	
NT23-020	NT60-020	20:1	180 [20,3]	147 [16,6]	130 [14,7]	120 [13,6]	275 [31,1]	0.21 [0,024]	6.3 [0,71]	15.8 [1,8]	
NT23-025	NT60-025	25:1	175 [9,8]	142 [16,0]	125 [14,1]	115 [13,0]	250 [28,3]	0.21 [0,024]	6.3 [0,71]	15.8 [1,8]	
NT23-030	NT60-030	30:1	207 [23,4]	182 [20,6]	157 [17,7]	147 [16,6]	275 [31,1]	0.13 [0,015]	6.3 [0,71]	15.8 [1,8]	
NT23-040	NT60-040	40:1	207 [23,4]	182 [20,6]	157 [17,7]	147 [16,6]	275 [31,1]	0.13 [0,015]	6.3 [0,71]	15.8 [1,8]	
NT23-050	NT60-050	50:1	202 [22,8]	175 [19,8]	152 [17,2]	142 [16,0]	275 [31,1]	0.13 [0,015]	6.3 [0,71]	15.8 [1,8]	
NT23-070	NT60-070	70:1	197 [22,3]	172 [19,4]	147 [16,6]	137 [15,5]	275 [31,1]	0.13 [0,015]	6.3 [0,71]	15.8 [1,8]	
NT23-100	NT60-100	100:1	85 [9,6]	79 [8,9]	74 [8,9]	73 [8,2]	275 [31,1]	0.13 [0,015]	6.3 [0,71]	15.8 [1,8]	

Available with 24 hour delivery through the Gearhead Express Program.

¹ Ratios are exact, higher ratios and other custom options are also available, consult factory.

T_r = Rated output torque at rated speed for specific hours of life.

T_{peak} = Allowable momentary peak torque for emergency stop or heavy shock loading.
 J = Mass moment of inertia reflected to the input shaft (including pinion assembly).