



Power Wheel[®]
Model 3 Shaft & Spindle Output Drives
Single Reduction

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Single Reduction

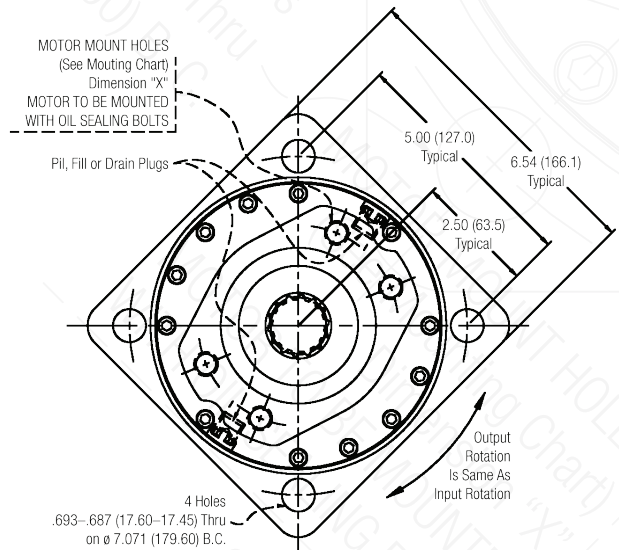
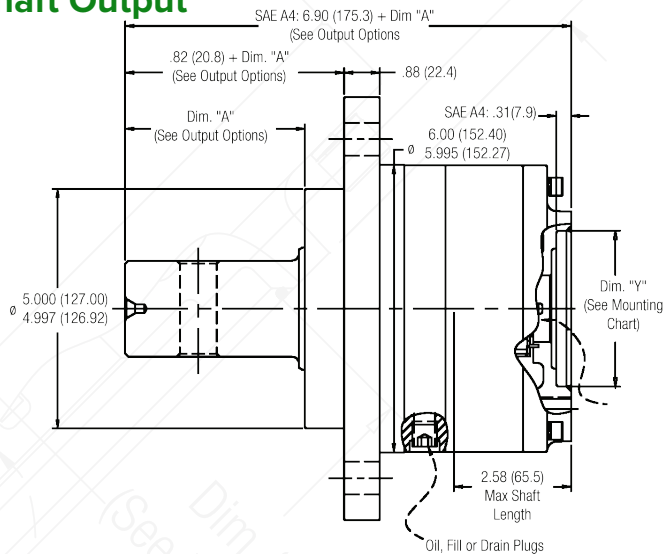
General Specifications

Max. intermittent output torque ^{1,2}	20,000 lb-in (2,200 Nm)	Max. radial load.....	9,900 lbs. (4,490 kg)
Max. input speed ²	3,500 rpm	Approximate Weight.....	46 lbs. (21 kg)
		Oil Capacity — Shaft Down.....	14 oz. (414 cc)
		— Shaft Horizontal.....	10 oz. (296 cc)

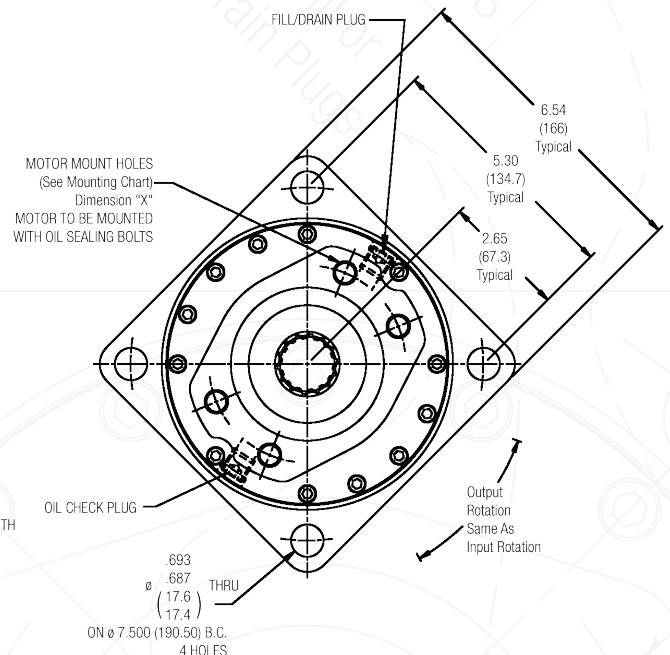
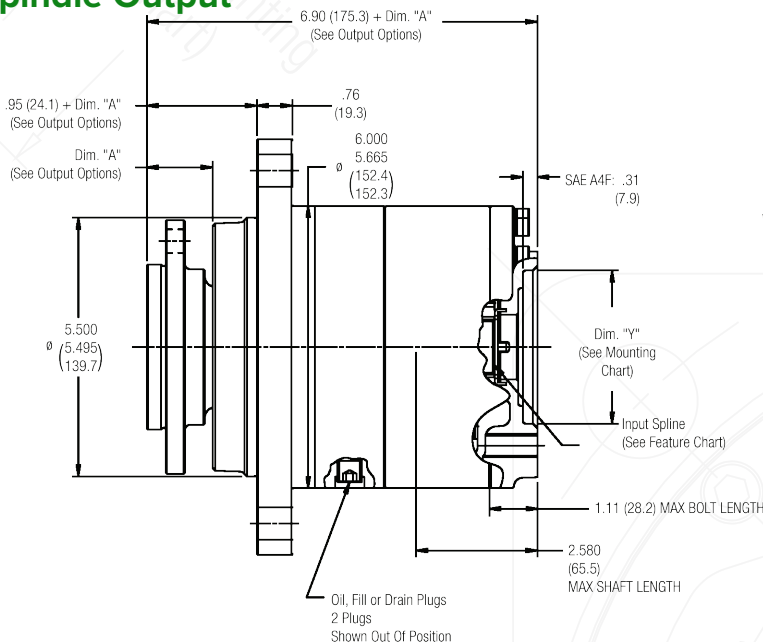
¹ Depending on the duty cycle and the nature of the application, a normal continuous output torque of 1/3 to 1/2 of the Maximum Intermittent should yield satisfactory Power Wheel life. Customer testing and application analysis is strongly recommended.

² If application exceeds published limit, contact Auburn Gear.

Shaft Output



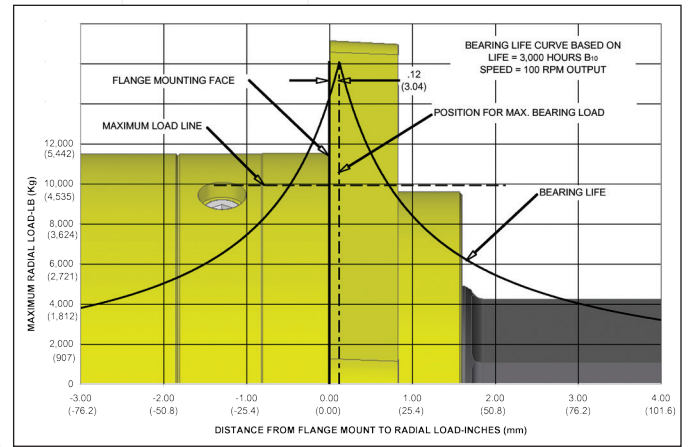
Spindle Output



FEATURE CHART: MODEL 3
SHAFT AND SPINDLE OUTPUT DRIVES
SINGLE REDUCTION—STYLE T

OPTIONS	DESCRIPTION	MAKE ALL SELECTIONS IN ONE COLUMN		ORDER CODES	USE OPTION ORDER CODES TO BUILD ORDER NUMBER			
MOTOR PILOT/HUB	SAE A4 SAE A4F SAE B	•	•	3T2A4 3T2A4F 3T2B	3T2A4F			
INPUT SPLINE	13T-16/32 14T-12/24 1" 6B	•	•	13 14 6B		14		
RATIO OPTIONS	3.60:1	•	•	03			03	
OUTPUT OPTIONS	2.00 Hex 1.75 Keyed Spindle 23T 12/24 2 9/16 Round	•	•	H1 K1 F1 23S A2			F1	
SPINDLE BOLTS	None 1/2-20UNF	•	•	00 4				4
SPECIAL FEATURES	None	•	•	00				00

Example of complete order code: 3T2A4F 14 03 F1 4 00

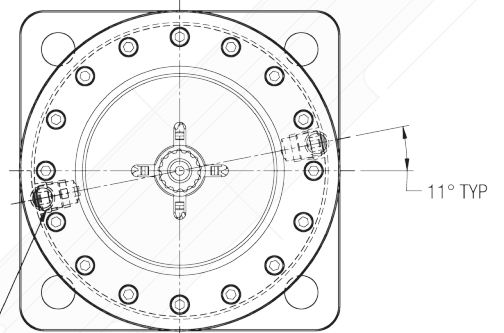
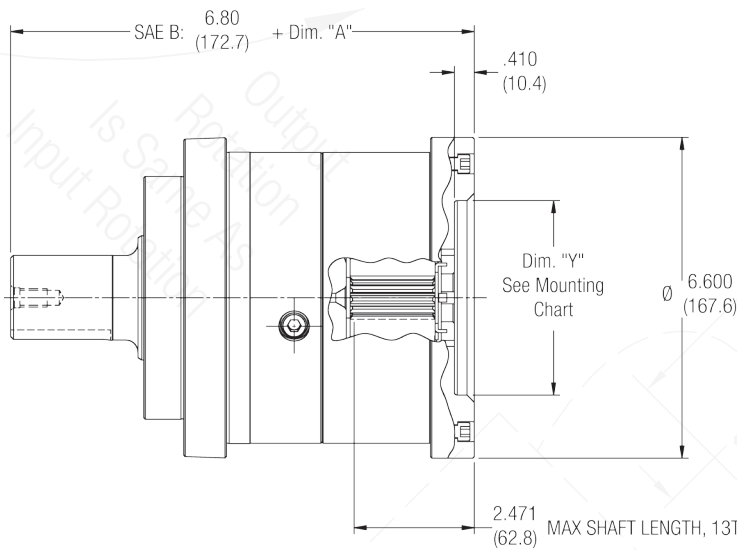


NOTE:

These curves are supplied as a design guide and apply to resultant radial load only. They indicate the importance of maintaining load position over the bearing center.

For actual analysis, applications should be reviewed by Auburn Gear Engineering using data supplied on Application Data Form.

Shaft Output—SAE B



Motor Mount Holes (See Mounting Chart)
Dimension "X"
Motor To Be Mounted With Oil Sealing Bolts

MOTOR MOUNTING CHART

Dimension "X"	Dimension "Y"
SAE A4 & SAE A4F, (4) 1/2-13 UNC, -2B Thd Holes on 4.187 (106.35) B.C. diameter *	∅ 3.251 - 3.256 (82.58 - 82.70)
SAE B, (2) 1/2-13 UNC -2B Thd Holes on 5.750 (146.05) B.C. diameter*	∅ 4.001 - 4.006 (101.62 - 101.75)

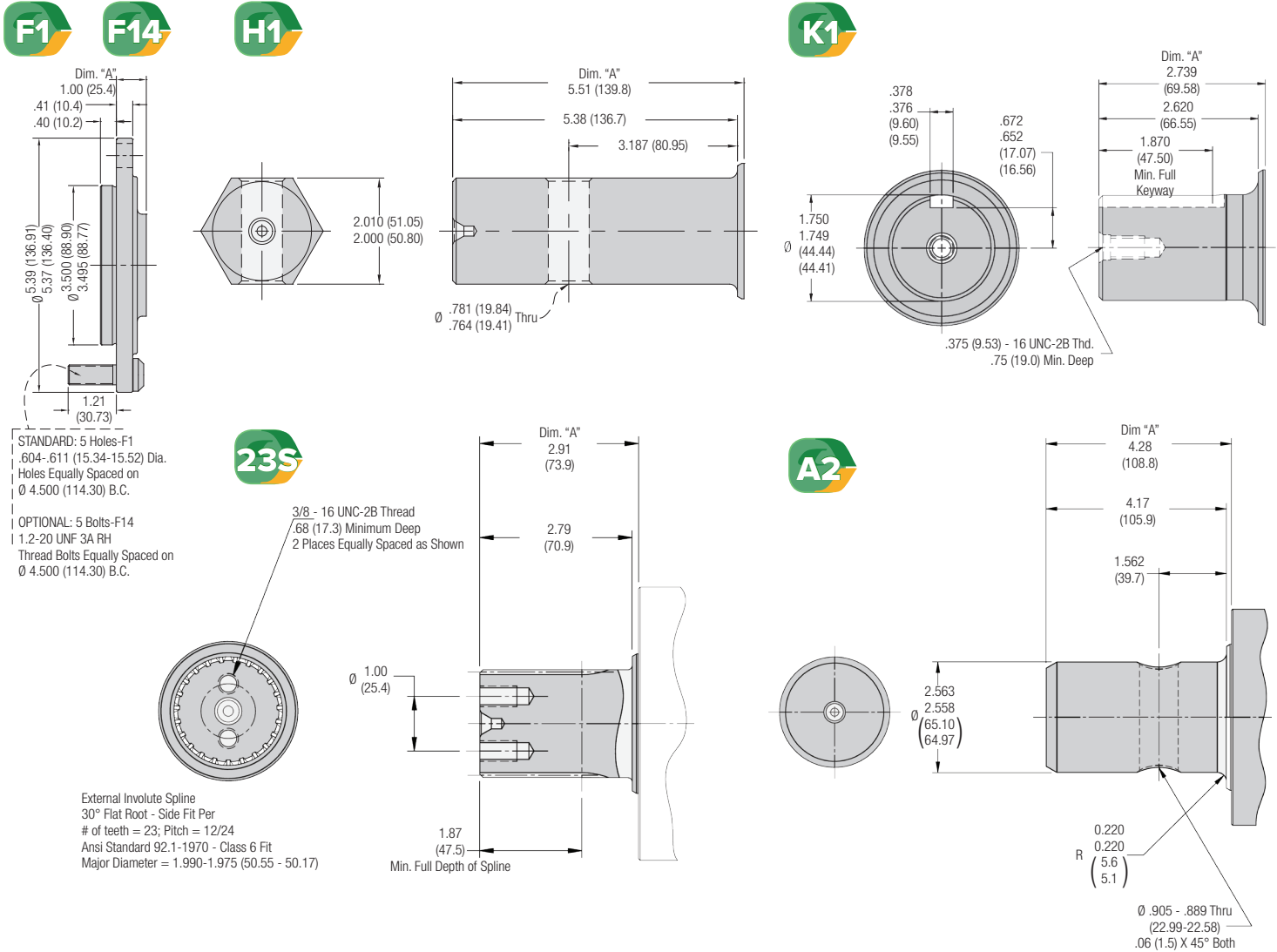
**"O" Ring or Gasket Required (Not Supplied by Auburn Gear)
"O" Ring Sizes: SAE "A" 2-042 (614163), SAE "B", 2-155 (614120)

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Single Reduction

Output Options



- Performance advances over similar competitor units
- Robust bearing-nut retention design for longer bearing life and reduced potential for shaft pull-out
- Typical applications:
 - Auger drives
 - Conveyors
 - Model 3 and small motor as alternative to large direct-drive hydraulic motor
 - HDD stake-downs
 - Wheel drives for smaller mobile machines

