

Twin Disc - AP Style

Standard Power Take-Offs

Foley Engines

Shipping Address:
200 Summer Street

Worcester, MA 01604

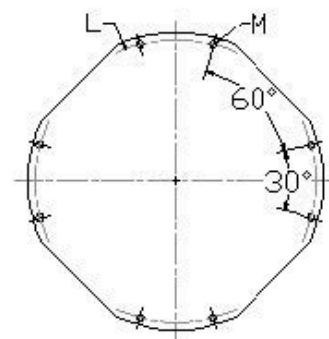
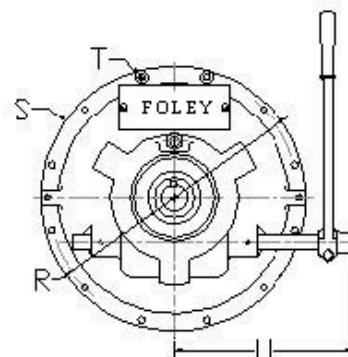
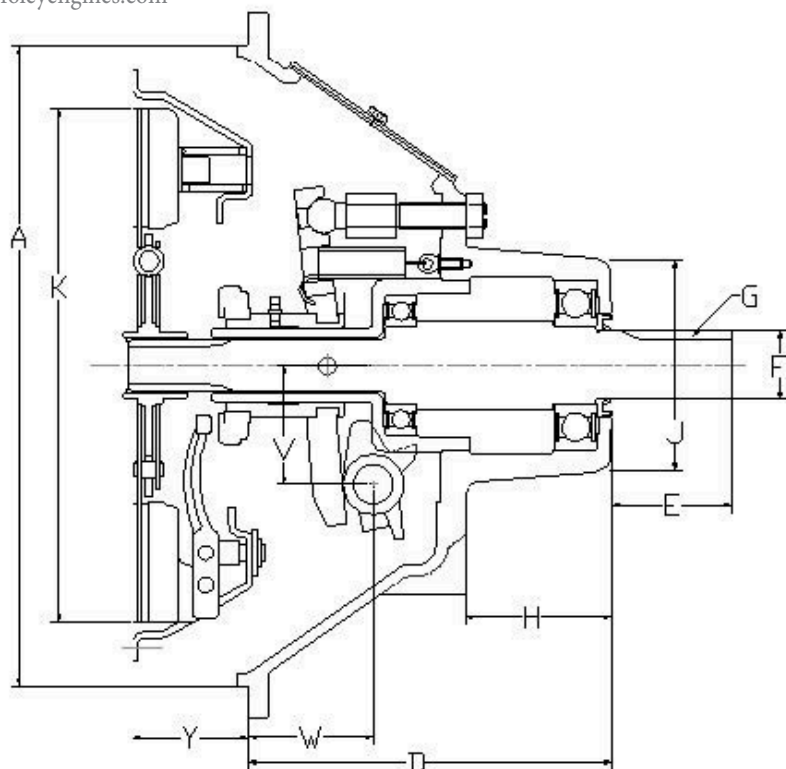
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with **13"** Spring Loaded



Manufacturers names, symbols and numbers are for reference purposes only and do not imply manufacturing origin.

PTO Part Number	Ball or Tapered Roller Brng Type	Model			Application (in-line or side loaded)	Type of Facing	Type Release Bearing	Clutch Torque Capacity lb. Ft *	A	D	Shaft		
		SAE Hsg Size	Clutch Size	Qty. of Facings							E Length	F Dia. + .000-.001	G Keyway
434260AM	Ball	3	13"	1	Both	Organic	Ball	405	16.125	9.14	3.00	1.750	3/8 x 3/16
434265AM	Ball	3	13"	1	Both	Metallic	Ball	803	16.125	9.14	3.00	1.750	3/8 x 3/16
434270AM	Ball	3	13"	1	Both	Metallic	Ball	803	16.125	9.14	3.00	1.750	3/8 x 3/16
434275AM	Ball	3	13"	1	Both	Organic	Ball	405	16.125	9.14	3.00	1.750	3/8 x 3/16

H	J	K	L	M (holes)		R	S	T (holes)		U	V	W	Y
				Qty.	Dia.			Qty.	Dia.				
3.70	5.30	13.00	14.125	8	.375	16.875	17.75	12	.433	12.00	3.00	3.125	2.91
3.70	5.30	13.00	14.125	8	.375	16.875	17.75	12	.433	12.00	3.00	3.125	2.91
3.70	5.30	13.00	14.125	8	.375	16.875	17.75	12	.433	12.00	3.00	3.125	2.61
3.70	5.30	13.00	14.125	8	.375	16.875	17.75	12	.433	12.00	3.00	3.125	2.61

Allowable Side Load Pulls:

The following formula can be used to calculate applied side load. Loads are calculated on proper tensioning of belts. If belts are tightened excessively, the resulting side load can exceed these limits

$$L = \frac{126000 \times \text{H.P.}}{N \times D} \times F \times A$$

L = Actual Applied Load (lbs.)

N = Shaft Speed (rev./min.)

D = Pitch Diameter of Sheaves, etc. (in.)

F = Load Factor (see below)

1.0 for chain

2.5 for V belt drive

3.5 for flat belt drive

A = 1.0 for low & moderate duty drives

1.4 for severe duty shock loads or large inertia loads (reciprocating compressors, crusher, chippers, planers, etc.)

Required Clutch Torque Capacity Calculation:

Required Clutch Torque = Maximum Engine Torque x Service Factor

Blower or Vacuum

- Centrifugal with free flow of air 1.7
- With high start-up inertia or subject to choking of air supply 4.0

Compressors

- Reciprocating, 1 or 2 cylinders 4.0
- Reciprocating, 3 or more cylinders 2.5
- Roto screw or turbine 2.0

Conveyor

- Fed uniformly 1.5
- Not fed uniformly 2.0
- Reciprocating 3.0

Drills 2.0

Generator 2.0

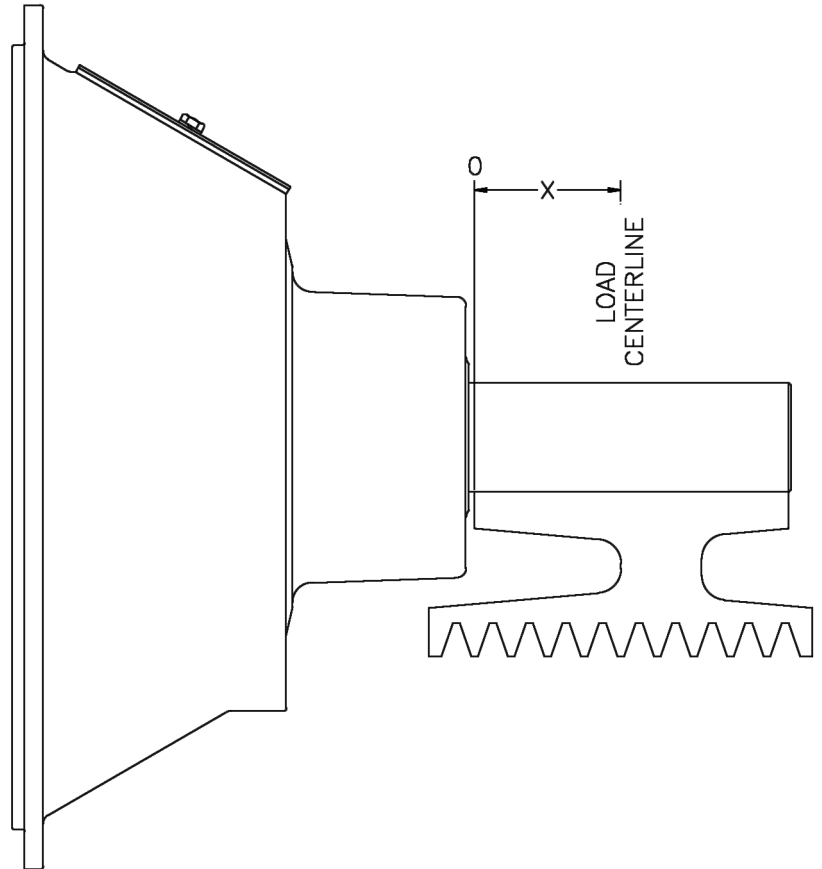
Pump

- Centrifugal or turbine 1.5
- Dredge 2.0
- Mud or reciprocating 3.0

Rock Crusher, Hammer Mill 3.0

Snow Blower 2.0

Wood Chipper, Saw Mill 3.0



Power Take-Off Part Numbers 434260FO, 434265FO
434270FO, 434275FO

RPM	X" Distance			
	0	1"	2"	3"
1000	2300	1971	1701	1496
2000	1850	1565	1350	1187
3000	1600	1367	1179	1037

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