

North American Clutch & Driveline

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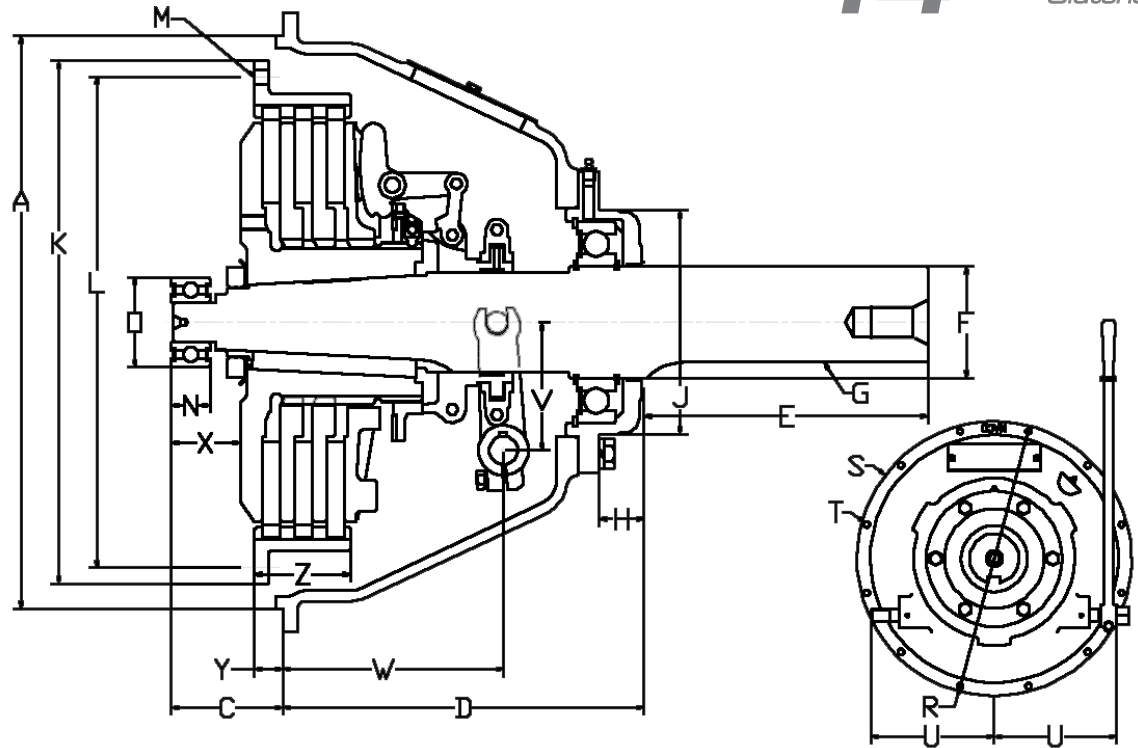
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with **14" HD**
Clutches



All dimensions are in inches unless otherwise specified. Listing subject to change without notice. * The figure listed below is torque capacity of the clutch. To determine the actual clutch torque capacity required for any given application the torque service factor must be considered. See the chart and formula on the back side of this sheet to calculate the proper clutch torque capacity for your application or contact your NACD sales representative for recommendations. The illustrations are shown for identification of dimensions only. They are not intended to necessarily depict the actual size, exact shape or internal configuration of the part numbers listed. ** Other pilot bearing sizes may be available.

Important Notice: A support plate for three plate (TP) 14" PTO's is required in side load and in line applications.

In-Line Applications

PTO Part Number	Ball or Tapered Roller Bearing Type	Max RPM	Model			Application (in-line or side load)	Type of Facing	Type Release Bearing	Clutch Torque Capacity lb. Ft. *	A	C	D	Shaft			
			SAE Hsg Size	Clutch Size	Qty of Facings								E Length	F Dia +.000-.001	G Keyway	H
419061AM	Ball	2200	1	14	1	In-Line	Organic	Bronze	1050	20.125	3.94	12.12	8.50	3.000	3/4 x 3/8	3.75
427464AM	Ball	2200	1	14	1	In-Line	Feramic	Bronze	1345	20.125	3.94	12.12	8.50	3.000	3/4 x 3/8	3.75
437460AM	Ball	2200	1	14	1	In-Line	Organic	Ball	1050	20.125	3.94	12.12	8.50	3.000	3/4 x 3/8	3.75
435469AM	Ball	2200	1	14	2	In-Line	Organic	Bronze	2100	20.125	3.94	13.50	10.00	3.500	7/8 x 7/16	3.75
435513AM	Ball	2200	1	14	2	In-Line	Feramic	Bronze	2690	20.125	3.94	13.50	10.00	3.500	7/8 x 7/16	3.75
437470AM	Ball	2200	1	14	2	In-Line	Organic	Ball	2100	20.125	3.94	13.50	10.00	3.500	7/8 x 7/16	3.75
435673AM	Ball	2200	1	14	3	In-Line	Organic	Bronze	3150	20.125	3.94	12.69	10.00	3.938	1 x 1/2	1.56
435726AM	Ball	2200	1	14	3	In-Line	Feramic	Bronze	4035	20.125	3.94	12.69	10.00	3.938	1 x 1/2	1.56
437480AM	Ball	2200	1	14	3	In-Line	Organic	Ball	3150	20.125	3.94	12.69	10.00	3.938	1 x 1/2	1.56
435470AM	Ball	2200	1	14	3	In-Line	Organic	Bronze	3150	20.125	3.94	12.69	10.00	3.938	1 x 1/2	1.56
435514AM	Ball	2200	1	14	3	In-Line	Feramic	Bronze	4035	20.125	3.94	12.69	10.00	3.938	1 x 1/2	1.56
437475AM	Ball	2200	1	14	3	In-Line	Organic	Ball	3150	20.125	3.94	12.69	10.00	3.938	1 x 1/2	1.56

PTO Part Number	J	K	L	M (holes)		N	O See Note**	R	S	T (holes)		U	V	W	X	Y	Z
				Qty	Dia					Qty	Dia						
419061AM	6.75	18.375	17.250	8	.531	0.8268	3.1496	20.875	21.75	12	.469	9.75	4.00	6.00	2.19	1.00	1.12
427464AM	6.75	18.375	17.250	8	.531	0.8268	3.1496	20.875	21.75	12	.469	9.75	4.00	6.00	2.19	1.00	1.12
437460AM	6.75	18.375	17.250	8	.531	0.8268	3.1496	20.875	21.75	12	.469	9.75	4.00	6.00	2.19	1.00	1.12
435469AM	7.62	18.375	17.250	8	.531	1.3750	3.1496	20.875	21.75	12	.469	9.75	4.00	7.00	2.19	1.00	2.38
435513AM	7.62	18.375	17.250	8	.531	1.3750	3.1496	20.875	21.75	12	.469	9.75	4.00	7.00	2.19	1.00	2.38
437470AM	7.62	18.375	17.250	8	.531	1.3750	3.1496	20.875	21.75	12	.469	9.75	4.00	7.00	2.19	1.00	2.38
435673AM	7.87	18.375	17.250	8	.531	1.3750	3.1496	20.875	21.75	12	.469	9.75	4.50	7.75	2.44	1.00	3.38
435726AM	7.87	18.375	17.250	8	.531	1.3750	3.1496	20.875	21.75	12	.469	9.75	4.50	7.75	2.44	1.00	3.38
437480AM	7.87	18.375	17.250	8	.531	1.3750	3.1496	20.875	21.75	12	.469	9.75	4.50	7.75	2.44	1.00	3.38
435470AM	7.87	18.375	17.250	8	.531	1.5625	3.937	20.875	21.75	12	.469	9.75	4.50	7.75	2.44	1.00	3.38
435514AM	7.87	18.375	17.250	8	.531	1.5625	3.937	20.875	21.75	12	.469	9.75	4.50	7.75	2.44	1.00	3.38
437475AM	7.87	18.375	17.250	8	.531	1.5625	3.937	20.875	21.75	12	.469	9.75	4.50	7.75	2.44	1.00	3.38

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

Ratings: Shafts, bearings and clutch capacities are rated on a conservative basis. For unusually heavy starting loads, frequent engagement service, or if prime mover is engine of less than 4 cylinders, consult our sales representatives for recommendations. Extremely low speed engines require special consideration.