

## Introduction

This literature applies to standard gear drives with ratings, speeds, ratios and dimensions as catalogued in current Rexnord selection guides. Refer to the Factory for all specials and modifications.

- IDENTIFY DRIVE** — Give complete data shown on drive nameplate. Also, give reference numbers, Falk part numbers, and name of parts required. Drawings and reference numbers are representative of all sizes and the actual parts may not agree in exact detail for each drive size. Complete nameplate data and parts reference number will assure receipt of correct parts.

### Sample Nameplate

MODEL	M1160DHC3AN-40.28-LD0016		
M.O. S/N	02-066310-01	RATIO	40.28
RPM (1/1Hz)	1750/43.3	APPLIED POWER	75 HP
CATALOG POWER	137 HP	SERVICE FACTOR	1.80
DATE	05-02	APPROX. OIL	10.5 GAL
SEE OWNER'S MANUAL FOR INSTALLATION AND SERVICE			
<b>LUBRICATION</b>			
FILL TO LEVEL INDICATED WITH EXTREME PRESSURE OIL PER REQUIREMENTS. CHANGE OIL EVERY 2500 HOURS OR SIX MONTHS, WHICHEVER OCCURS FIRST. FAILURE TO FOLLOW INSTRUCTIONS VOIDS WARRANTY.			
AMBIENT TEMPERATURE		ISO-VG	AGMA
-9 TO +16°C (15 TO 60°F)		220 EP	5 EP
+10 TO +52°C (50 TO 125°F)		320 EP	6 EP
Rexnord Industries, LLC www.rexnord.com			
			D003012

**NOTE:** It is recommended that the shaft seals be replaced whenever it becomes necessary to disturb a seal in the process of disassembling a drive. It is also recommended that the Repair Kit, Ref. No. "RK", consisting of a full set of seals, bearings and bore plugs be considered when disassembling a drive for servicing.

**PINIONS, GEARS & SHAFTS** — Replacement of a pinion, gear or shaft may also require the replacement of the respective connected parts. It is recommended that Rexnord be contacted to help make that determination.

**FASTENERS** — DRIVE ONE fasteners are generally re-usable. If replacement fasteners are required, consult the drive service manual for sizing and grade information for local availability. The Factory will of course furnish fastener kits if required. Simply identify the part for which they are required.

**SHAFT COUPLINGS & OTHER DRIVE ACCESSORIES** — Refer to coupling parts guide or appropriate accessory product literature for servicing or replacement information.

- ORDER PLACEMENT** — Place your order with your local Rexnord Representative or Distributor. If you need assistance call the number below.

## Bearing & Seal Identification

Refer to the exploded views on Page 2 to identify the bearings and oil seals by the parts list Reference Number. Then refer to Tables 2 thru 5, Page 4, to determine the Manufacturer and Manufacturer's part number.

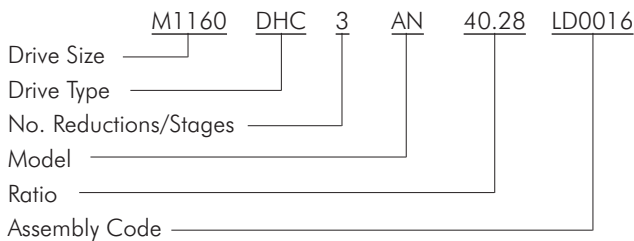
## Corrosion Protection & Storage

**CAUTION:** Follow guidelines below to avoid damage to parts.

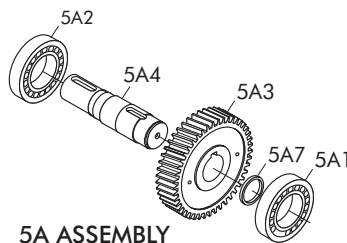
- For domestic or indoor storage, Factory provides standard 24 month protection as boxed or optional 24 month protection for individual parts.
- For export or outdoor storage, Factory provides optional 18 month protection.

**CAUTION:** This protection does not cover exposure to elements such as standing water, etc.

## Drive Identification

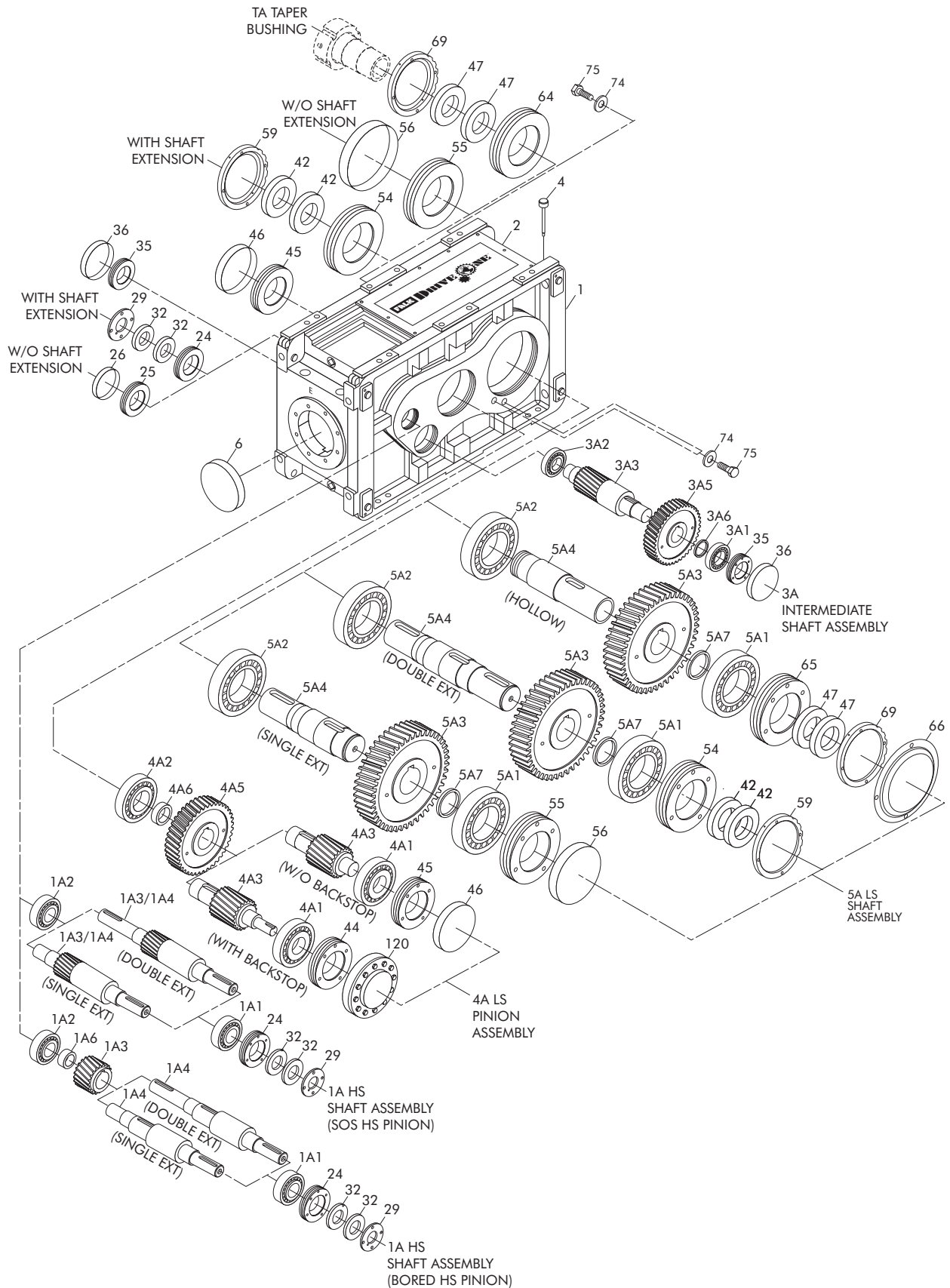


- IDENTIFY INDIVIDUAL PARTS** — Use exploded view on Page 2 to determine Ref. No. of required parts.



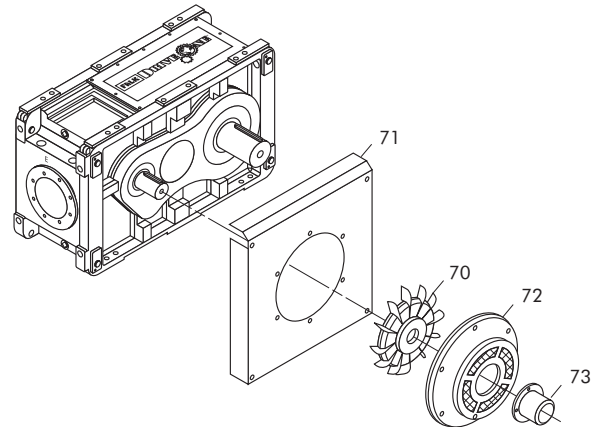
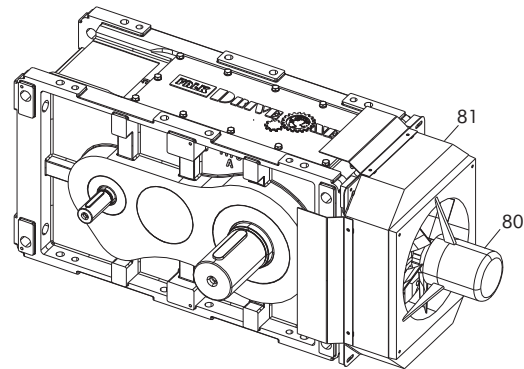
Ref. No.	Part Description
5A1	Bearing
5A2	Bearing
5A3	Gear
5A4	Shaft
5A7	Spacer

Parts Diagram



**TABLE 1 — Parts List**

Ref. No.	Part Description
1	Housing (Consists of Housing, Bore Plug, Inspection Cover & all Hardware)
2	Inspection Cover
4	Dipstick
6	Housing Bore Plug
20	High Speed Retaining Nut Assembly (Incl. Ref. 24, 29, 32 & Hardware)
21	High Speed Retaining Nut Assembly (Incl. Ref. 25, 26 & Hardware)
24	Bearing Adjustment Nut
25	Bearing Adjustment Nut
26	Bore Plug
29	Grease Purge Cover
30	Intermediate Retaining Nut Assembly (Incl. Ref. 35, 36 & Hardware)
32	High Speed Oil Seal
35	Bearing Adjustment Nut
36	Bore Plug
40	Low Speed Pinion Retaining Nut Assembly (Incl. Ref. 45, 46 & Hardware)
41	Low Speed Pinion Retaining Nut Assembly (Incl. Ref. 44 & Hardware)
42	Low Speed Oil Seal
44	Bearing Adjustment Nut
45	Bearing Adjustment Nut
46	Bore Plug
47	Low Speed Oil Seal
50	Low Speed Shaft Retaining Nut Assembly (Incl. Ref. 42, 54, 59 & Hardware)
51	Low Speed Shaft Retaining Nut Assembly (Incl. Ref. 55, 56 & Hardware)
54	Bearing Adjustment Nut
55	Bearing Adjustment Nut
56	Bore Plug
59	Grease Purge Cover
60	Hollow Low Speed Shaft Retaining Nut Assembly (Incl. Ref. 47, 65, 66 & Hardware)
61	Hollow Low Speed Shaft Retaining Nut Assembly (Incl. Ref. 47, 64, 69 & Hardware)
64	Bearing Adjustment Nut
65	Bearing Adjustment Nut
66	Shaft Cover
69	Grease Purge Cover
70	Fan
71	Drive Shroud
72	Fan Shroud (Guard)
73	Shaft Cover
74	Fender Washer
75	Bolt
80	Electric Fan/Motor
81	Drive Shroud
120	Backstop Assembly
RK	Repair Kit
1A	<b>HIGH SPEED SHAFT ASSEMBLY</b> (Incl. Ref. 1A1 thru 1A4 & 1A6)
1A1	Bearing
1A2	Bearing
1A3	Pinion
1A4	Shaft
1A3/1A4	Pinion & Shaft
1A6	Spacer
3A	<b>INTERMEDIATE SHAFT ASSEMBLY</b> (Incl. Ref. 3A1 thru 3A3, 3A5, 3A6)
3A1	Bearing
3A2	Bearing
3A3	Pinion & Shaft
3A5	Gear
3A6	Spacer
4A	<b>LOW SPEED PINION ASSEMBLY</b> (Incl. Ref. 4A1 thru 4A6)
4A1	Bearing
4A2	Bearing
4A3	Pinion & Shaft
4A5	Gear
4A6	Spacer
5A	<b>LOW SPEED SHAFT ASSEMBLY</b> (Incl. Ref. 5A1 thru 5A7)
5A1	Bearing
5A2	Bearing
5A3	Gear
5A4	Shaft
5A7	Spacer

**SHAFT FAN PARTS**

**ELECTRIC FAN PARTS**




**TABLE 2 — Oil Seals/Falk Part Numbers**

DRIVE SIZE	Ratio	H.S. Shaft	L.S. Shaft	
			Solid (DHC)	Hollow (DHT)
			Reference No.	
		32	42	47
M1130	31.5-90.0:1 100.0-140:1	D005657	D005652	
M1140	31.5-90.0:1 100.0-140:1	D004601	D005879	
M1150	31.5-90.0:1 100.0-140:1	D004699 D004601	D004282	
M1160	31.5-90.0:1 100.0-140:1	D003348 D003349	D003435	
M1170	31.5-90.0:1 100.0-140:1	D003347	D003719	D003723
M1180	31.5-90.0:1 100.0-140:1	D004280	D004282	D004283
M1190	31.5-90.0:1 100.0-140:1	D003346 D003347	D003435	D003199
M1200	25.0-112.0	D003720	D004283	D011787
M1210	28.0-125.0	D003720	D004283	D011787

**TABLE 3 — Seal Manufacturer's Part Numbers**

Falk Part No.	Manufacturer's Part No.		
	Chicago Rawhide	Transcom	Simrit
D003199	...	240x270x15TC	...
D003346	...	T60X75X8VTC	...
D003347	CR11753	45x62x7VTC	S418708B
D003348	CR15856	40x62x10VTC	S410185B
D003349	CR13963	...	...
D003435	...	180x210x15TC	...
D003719	...	140x170x14TC	...
D003723	...	200x230x15TC	...
D004280	CR19606	...	...
D004282	...	170x200x15TC	...
D004283	...	220x250x15TC	...
D004601	...	T30X47X7VTC	...
D004699	...	35x47x7VTF	...
D005652	...	130x150x10TC	...
D005657	CR9706	...	...
D005879	...	150x180x15TC	...
D003720	...	70x100x10VTF	...
D011787	CR110245	...	...

**TABLE 4 — Bearings/Falk Part Numbers**

DRIVE SIZE	Ratio	H.S. Shaft	1st Int. Shaft	2nd Int. Shaft	L.S. Shaft	
					Solid (DHC)	Hollow (DHT)
					Reference No.	
		1A1/1A2	3A1/3A2	4A1/4A2	5A1/5A2	5A1/5A2
M1130	31.5-90.0:1 100.0-140:1	D004873	D004285	D003886	D004862	D004862
M1140	31.5-90.0:1 100.0-140:1	D004285	D005591	D005590	D005589	D005589
M1150	31.5-90.0:1 100.0-140:1	D004284 D004285	D004419	D004418	D004236	D004236
M1160	31.5-90.0:1 100.0-140:1	D002421 D003317	D003500	D003384	D003265	D003265
M1170	31.5-90.0:1 100.0-140:1	D002316	D002006	D002008	D002009	D002848
M1180	31.5-90.0:1 100.0-140:1	D003886	D003036	D002889	D004127	D003971
M1190	31.5-90.0:1 100.0-140:1	D003307 D003500	D002885	D002915	D002882	D003073
M1200	25.0-112.0	D002007	D002008	D007949	D003971	D007950
M1210	28.0-125.0	D002007	D002008	D007949	D003971	D007950

**TABLE 5 — Bearing Manufacturer's Part Numbers**

Falk Part No.	Manufacturer's Part No.
D002006	32311 J2
D002007	32314 J2Q
D002008	32317 J2
D002009	30228 J2
D002316	33109
D002421	32208 J2/Q
D002848	32940
D002882	32036X
D002885	32315
D002889	32320 J2
D002915	32321 J2
D003036	32313 J2/Q
D003073	32048X
D003265	32936
D003307	32312 J2/Q
D003317	31307 J2/Q
D003384	33217 Q
D003500	32309 J2/Q
D003886	33210 Q
D003971	32044X
D004127	32034X
D004236	32934
D004284	32207 J2/Q
D004285	32306 J2/Q
D004418	33215 Q
D004419	32308 J2/Q
D004862	32926
D004873	33205 Q
D005589	32030X
D005590	33212 Q
D005591	32307 J2/Q
D007949	32230 J2
D007950	32956 C02