

## Introduction

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

- IDENTIFY DRIVE** — Give complete data shown on drive nameplate. Also, give reference numbers, 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	M1170DBL2AN-7.994-LD0046		
M.O. S/N	06-066141-01	RATIO	7.994
RPM n1/n2	580/72.6	APPLIED POWER	50 HP
CATALOG POWER	84.6 HP	SERVICE FACTOR	1.69
DATE	04-06	APPROX. OIL	7 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 the Factory be contacted to help make that determination.

**BEVEL GEARING** — Bevel gearing is only sold in matched sets, Bevel Set Ref. No. 1AB70.

**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 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.

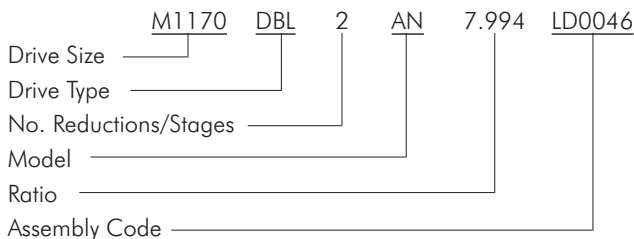
## Corrosion Protection & Storage

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

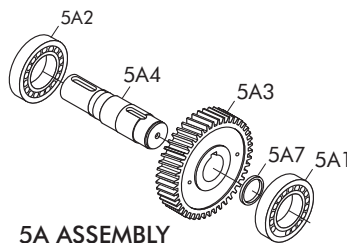
- For domestic or indoor storage, Factory provides standard 24 month protection as boxed or optional 24 month protection for individual parts.
- For export or outdoor storage, Factory provides optional 18 month protection.

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

### Drive Identification



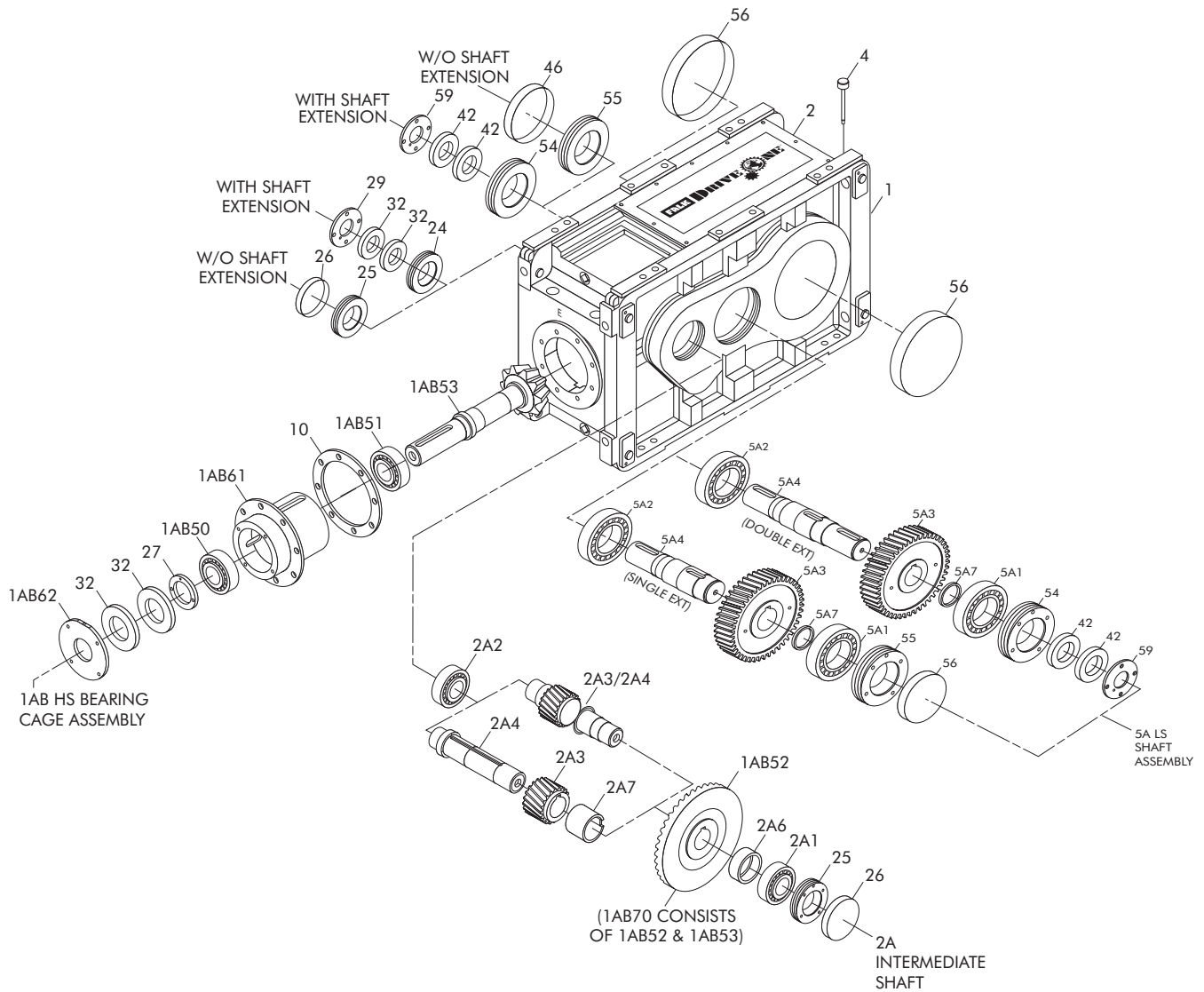
- IDENTIFY INDIVIDUAL PARTS** — Use exploded view on Page 2 to determine Ref. No. of required parts.



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

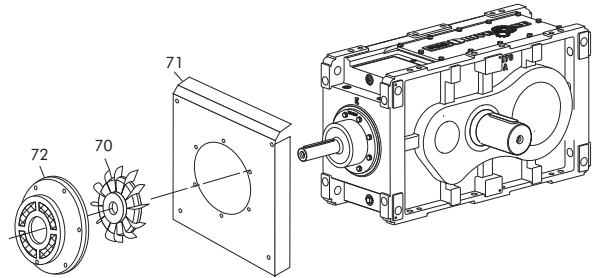
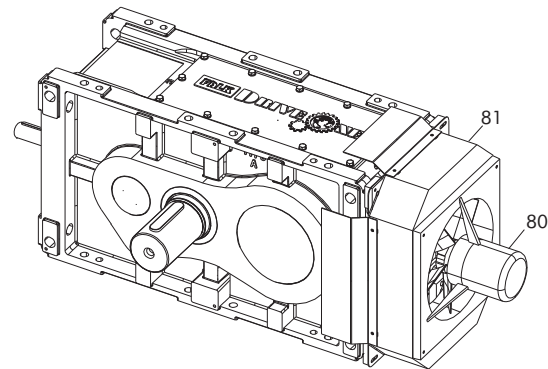
5A ASSEMBLY

Parts Diagram



**TABLE 1 — Parts List**

Ref. No.	Part Description
1	Housing (Consists of Housing, Inspection Cover & all Hardware)
2	Inspection Cover
4	Dipstick
10	Shim-Gasket, H.S. Bearing Cage Carrier
23	Intermediate Retaining Nut Assembly (Incl. Ref. 25, 26 & Hardware)
25	Bearing Adjustment Nut
26	Bore Plug
27	Bearing Retention Nut
32	High Speed Oil Seal
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
46	Bore Plug
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)
70	Fan
71	Drive Shroud
72	Fan Shroud (Guard)
80	Electric Fan/Motor
81	Drive Shroud
RK	Repair Kit
<b>1AB</b>	<b>HIGH SPEED BEVEL HEAD ASSEMBLY</b> (Incl. Ref. 1AB50 thru 1AB70 & 27)
<b>1AB50</b>	Bearing
<b>1AB51</b>	Bearing
<b>1AB52</b>	Bevel Gear
<b>1AB53</b>	Bevel Pinion
<b>1AB61</b>	Cage, H.S. Bearing Carrier
<b>1AB62</b>	Cage, Seal
<b>1AB70</b>	Bevel Set
<b>2A</b>	<b>SHAFT ASSEMBLY</b> (Incl. Ref. 2A1 thru 2A7, Except 1AB52)
<b>2A1</b>	Bearing
<b>2A2</b>	Bearing
<b>2A3</b>	Pinion
<b>2A4</b>	Shaft
<b>2A3/2A4</b>	Pinion & Shaft
<b>2A6</b>	Spacer
<b>2A7</b>	Spacer
<b>5A</b>	<b>LOW SPEED SHAFT ASSEMBLY</b> (Incl. Ref. 5A1 thru 5A7)
<b>5A1</b>	Bearing
<b>5A2</b>	Bearing
<b>5A3</b>	Gear
<b>5A4</b>	Shaft
<b>5A7</b>	Spacer

**SHAFT FAN PARTS**

**ELECTRIC FAN PARTS**


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

DRIVE SIZE	Ratio	H.S. Shaft	L.S. Shaft
		Reference No.	
		32	42
M1130	2.80-16.0 18.0-25.0	D003544	D003347
		D004902	
M1140	2.80-16.0 18.0-25.0	D005880	D003346
		D005881	
M1150	2.80-16.0 18.0-25.0	D003722	D003434
		D004481	
M1160	2.80-16.0 18.0-25.0	D003345	D003198
		D003544	
M1170	2.80-16.0 18.0-25.0	D003346	D003198
		D003722	
M1180	2.80-16.0 18.0-25.0	D003434	D005735
		D003345	
M1190	2.80-16.0 18.0-25.0	D003198	D005622
		D003200	
M1200	2.80-16.0 18.0-25.0	D007908	2927492
		D007907	

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

Falk Part No.	Manufacturer's Part No.	
	Chicago Rawhide	Transcom
	D003198	CR33412
D003200	...	T68X90X10VTF
D003345	...	T56X70X8VTF
D003346	...	T60X75X8VTC
D003347	CR11753	...
D003434	CR29526	...
D003544	CR16517	...
D003722	CR20435	...
D004481	...	T36X52X7VTF
D004902	CR10927	...
D005622	...	T105X130X12VTF
D005735	...	T100X125X13VTF
D005880	...	T48X62X8VTC
D005881	CR12781	...
D007907	...	80X100X10VTF
D007908	CR45222	...
2927492	CR59061	...

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

DRIVE SIZE	Ratio	H.S. Shaft	1st Int. Shaft	L.S. Shaft
		Reference No.		
		1A B50/1A B51	2A1/2A2	5A1/5A2
M1130	2.80-16.0 18.0-25.0	D004870	D004870	D003886
		D004285	D004285	
M1140	2.80-16.0 18.0-25.0	D005592	D004870	D005590
		D005591	D005591	
M1150	2.80-16.0 18.0-25.0	D002006	D002006	D004418
		D004419	D004419	
M1160	2.80-16.0 18.0-25.0	D003307	D003307	D003384
		D003500	D003500	
M1170	2.80-16.0 18.0-25.0	D003036	D002007	D005873
		D002006	D002006	
M1180	2.80-16.0 18.0-25.0	D004029	D002885	D002889
		D003307	D003036	
M1190	2.80-16.0 18.0-25.0	D002898	D003384	D002915
		D002007	D002885	
M1200	2.80-16.0 18.0-25.0	D005872	D002898	D007949
		D002008	D002008	

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

Falk Part No.	Manufacturer's Part No.
D002006	32311 J2
D002007	32314 J2/Q
D002008	32317 J2
D002885	32315
D002889	32320 J2
D002898	32318 J2
D002915	32321 J2
D003036	32313 J2/Q
D003307	32312 J2/Q
D003384	33217 Q
D003500	32309 J2/Q
D003886	33210 Q
D004029	32316 J2
D004285	32306 J2/Q
D004418	33215 Q
D004419	32308 J2/Q
D004870	33209 Q
D005590	33212 Q
D005591	32307 J2/Q
D005592	32310 J2/Q
D005872	32224
D005873	32317 BJ2
D007949	32230 J2