

Introduction

This literature applies to Model A, B and C standard gear drives with ratings, speeds, ratios, and dimensions as catalogued in current Falk™ selection guides. Refer to Rexnord for all specials and modifications.

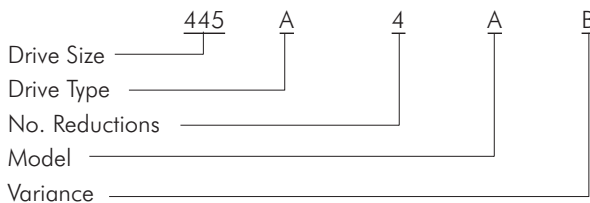
- IDENTIFY DRIVE** — Give complete data shown on drive nameplate. Also, give reference numbers, Falk™ part numbers, and name of parts required. Drawings and reference numbers are representative of all sizes and the actual parts may not agree in exact detail for each drive size. Complete nameplate data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

The numerical designation stamped on the nameplate completely identifies all parts used in the drive. All drives with exactly the same nameplate markings have interchangeable rotating elements.

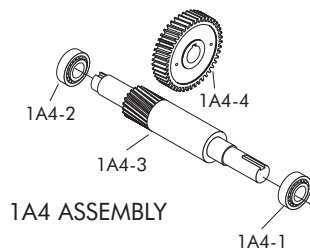
Sample Nameplate

FALK®		ENCLOSED GEAR DRIVE	
MODEL	445A4		
M.O.	8-867521	RATIO	113.4
INPUT RPM	1750	SERVICE RATING HP	100
OUTPUT RPM	15.4	SERVICE FACTOR	1.39
CLASS	DATE 8/89	APPROX. U.S. GALS.	28
<small>www.rexnord.com</small>		<small>1220915</small>	

Drive Identification



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



Ref. No.	Part Description
1A4-1	Bearing
1A4-2	Bearing
1A4-3	Pinion & Shaft
1A4-4	Gear

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. New Shim-gaskets are recommended to prevent oil leakage and in some cases necessary to adjust internal running clearances. Shim-gaskets are available only in kits; see Ref. No. 100.

PINION-SHAFT-BEARING ASSEMBLIES — With today's production procedures, Rexnord can normally furnish a total rotating assembly more economically than if a customer purchases individual parts, disassembles the old parts, and reassembles using some new and some old parts. Falk™ replacement assemblies also reduce down time and always consist of all new parts.

FASTENERS — Fasteners are sold in sets for a specific item, i.e. four for an end cover, eight for a low speed seal cage, etc. Fasteners describe cap screws, bolts, studs, nuts, and lock washers as required.

RATIO CHANGE — Refer complete information to Factory.

SHAFT COUPLINGS — Refer to coupling parts guide and price list.

- HOW TO USE THIS GUIDE** — Use the Part Ref. No. (Step 2) and the drive Model No. (Step 1) to determine the part description and use this information to order the required parts.

- ORDER REPLACEMENT** — Place your order with your local Rexnord Account Executive 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, Pages 3 and 4, to determine the Manufacturer and Manufacturer's part number.

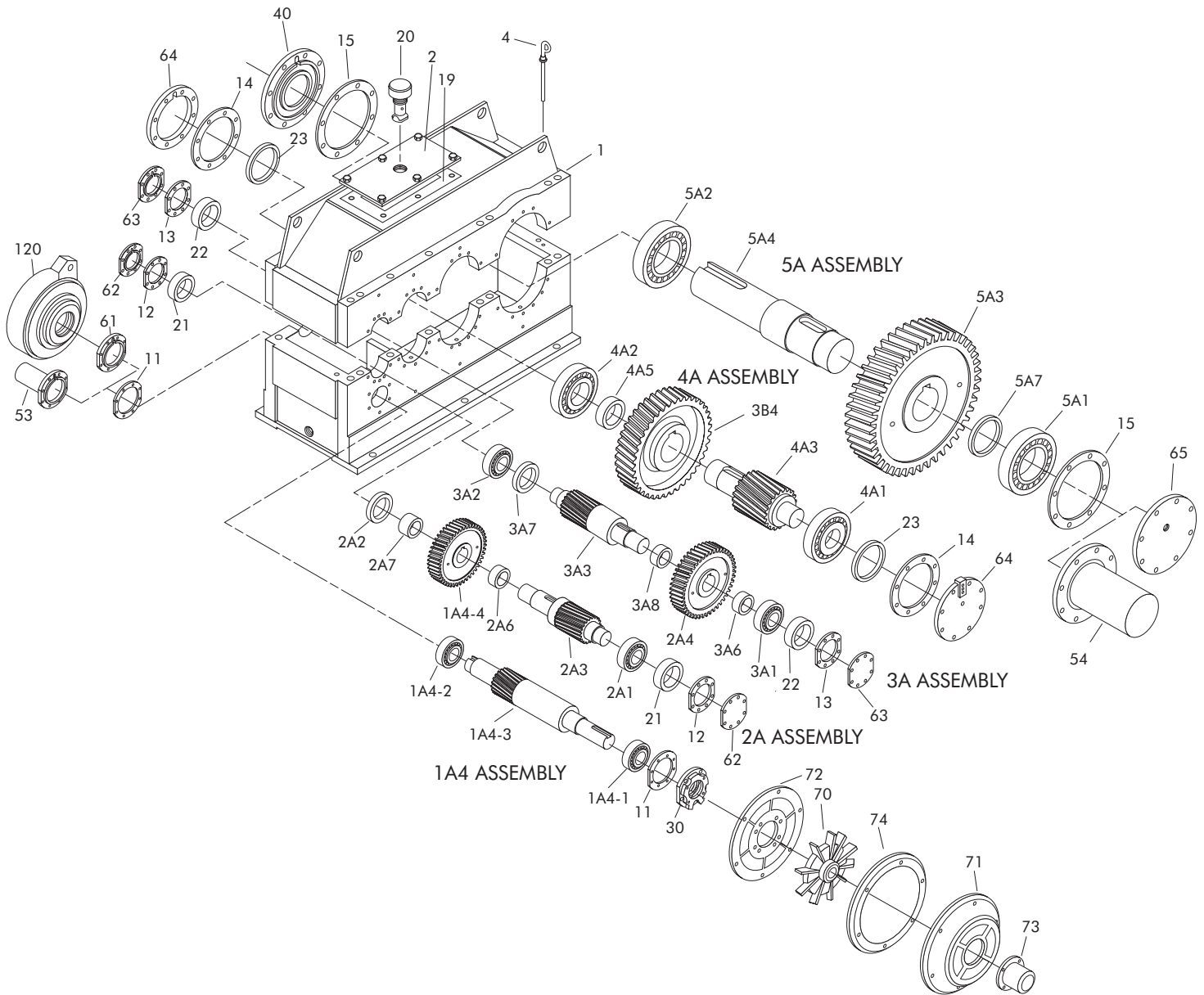
Corrosion Protection & Storage

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.

Parts Diagram



NOTE: Figures 1-3 are not used for this size range or reduction.

Figure 4

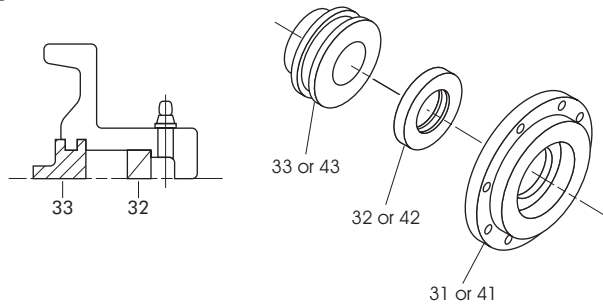


Figure 5

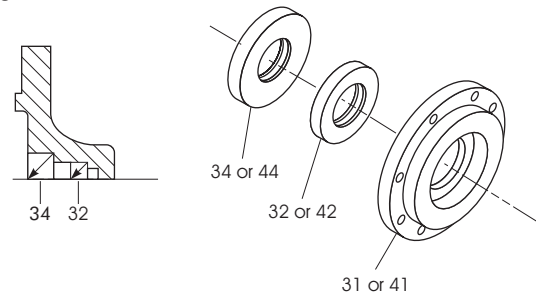


TABLE 1 — Parts List

Ref. No.	Part Description
1	Housing (Consisting of Base & Cover & all Hardware)
2	Inspection Cover
4	Dipstick
11	Shim Gasket, High Speed Shaft
12	Shim Gasket, 1st Intermediate Shaft
13	Shim Gasket, 2nd Intermediate Shaft
14	Shim Gasket, Low Speed Pinion Shaft
15	Shim Gasket, Low Speed Shaft
19	Shim-Gasket, Inspection Cover
20	Air Vent
21	Spacer, Bearing 1st Intermediate
22	Spacer, Bearing 2nd Intermediate
23	Spacer, Bearing, Low Speed Pinion
30	High Speed Seal Cage Assembly — See Figures 4 & 5
31	Cage, Seal, High Speed
32	Seal, Exclusion, High Speed
33	Seal, Bush., High Speed
34	Seal, Oil, High Speed
40	Low Speed Seal Cage Assembly — See Figures 4 & 5
41	Cage, Seal, Low Speed
42	Seal, Exclusion, Low Speed
43	Seal, Bush., Low Speed
44	Seal, Oil, Low Speed
53	Guard, High Speed Shaft
54	Guard, Low Speed Shaft
61	Cover, End, High Speed
62	Cover, End, 1st Intermediate
63	Cover, End, 2nd Intermediate
64	Cover, End, Low Speed Pinion Shaft
65	Cover, End, Low Speed
70	Fan
71	Fan Guard
72	Grill/Backplate
73	Guard, High Speed Shaft
74	Deflector Ring
100	Shim Gasket Kit, Inc. Ref. Nos.:11, 12, 13, 14, 15 & 19
120	Backstop
1A4-1	Bearing, High Speed Shaft
1A4-2	Bearing, High Speed Shaft
1A4-3	Pinion & Shaft, High Speed
1A4-4	Gear, High Speed
2A1	Bearing, 1st Intermediate Shaft
2A2	Bearing, 1st Intermediate Shaft
2A3	Pinion & Shaft, 1st Intermediate Shaft
2A4	Gear, 1st Intermediate
2A6	Spacer, High Speed Gear
2A7	Spacer, 1st Intermediate Bearing
3A1	Bearing, 2nd Intermediate
3A2	Bearing, 2nd Intermediate
3A3	Pinion & Shaft, 2nd Intermediate
3A4	Gear, 2nd Intermediate
3A6	Spacer, 2nd Intermediate
3A7	Spacer, 2nd Intermediate
3A8	Spacer, 1st Intermediate Gear

TABLE 1 — Parts List (Cont'd)

Ref. No.	Part Description
4A1	Bearing, Low Speed Pinion Shaft
4A2	Bearing, Low Speed Pinion Shaft
4A3	Pinion & Shaft, Low Speed
4A5	Spacer, Low Speed Pinion Bearing
5A1	Bearing, Low Speed Shaft
5A2	Bearing, Low Speed Shaft
5A3	Gear, Low Speed
5A4	Shaft, Low Speed
5A7	Spacer, Bearing/Gear

TABLE 2 — Bearings/Falk™ Part Numbers

DRIVE SIZE	Reference No.									
	1A4-1	1A4-2	2A1	2A2	3A1	3A2	4A1	4A2	5A1	5A2
385	921896	921896	921892	921892	921856	921856	921893	921893	921414	921414
405	921896	921896	921629 ¹	921629	921809	921809	921899	921899	921674	921674
425	921892	921892	921878	921878	921895 ²	921895 ²	921899	921899	921881	921881
445	921629	921629	921301 ³	921301	921678	921899 ⁴	921443	921443	921439	921439
465	921878	921878	921855 ⁵	921855	921443	921551 ⁶	921541	921541	920570	920570
485	921301	921301	921895 ⁷	921895	921541	921459 ⁸	921470	921470	2915524	2915524
505	921895	921895	921678 ⁹	921678	921541	921541 ¹⁰	921481	921481	919284	919284
525	921895	921895	921552	921552	921470	921470	921901	921901	919096	919096

1 Use 921888 for ratios 396.0 thru 431.1.
 2 Use 921494 for ratios 229.8 & 340.9.
 3 Use 921319 for ratios 401.5 thru 465.4.
 4 Use 921678 for ratios 105.0 thru 123.0.
 5 Use 921856 for ratios 365.8 thru 428.6.
 6 Use 921443 for ratios 105.0 thru 129.4.
 7 Use 921734 for ratios 391.7 thru 426.3.
 8 Use 921541 for ratios 106.5 thru 135.5.
 9 Use 921899 for ratio 407.2.
 10 Use 921459 for ratios 113.4, 145.0, 216.1, 251.1, & 313.9 thru 431.5.

TABLE 3 — Oil Seals/Falk™ Part Numbers

DRIVE SIZE	Reference No.			
	32	34	42	44
385	913010	913011	913014	913015
405	913010	913011	913000	913001
425	913018	912946	913016	913017
445	912948	912949	913004	913005
465	912948	912949	913023	913024
485	912991	912992	912827	912554
505	913012	913013	913025	912769
525	913012	913013	912901	912626

TABLE 4 — Seal Manufacturers' Part Numbers

Falk™ Part No.	Manufacturers' No.
912554	CRWH85015
912626	CRWH107551
912769	CRWHA92536
912827	CRWH85009
912901	HSD1-1075230
912946	CRW17558(M)
912948	CRW19823(M)
912949	CRWH20002(M)
912991	CRW22363(M)
912992	CRWH22449(M)
913000	CRWH52447(M)
913001	CRWH52489(M)
913004	CRWH64998(M)
913005	JM/8950LUP-H5/L16(M)
913010	CRW14861(M)
913011	CRW14940(M)
913012	JM/5961LUP-H5/L16(M)
913013	CRWH29958(M)
913014	CRWH44973(M)
913015	JM/11709LUP-H5/L16(M)
913016	CRWH57552(M)
913017	CRWH57523(M)
913018	CRW17379(M)
913023	JM/12094LUP
913024	JM/8951LUP
913025	NATIONAL416257

TABLE 5 — Bearing Manufacturers' Part Numbers

Falk™ Part No.	Manufacturers' No.
919096	SKF23156-W33/C3
919284	SKF23148-W33/C3
920570	SKF23138-W33/C3
921301	TIM623/612
921319	TIM619/612
921414	TIM938/932
921439	TIMHM237535/HM237510
921443	TIMHH221449/HH221410
921459	TIMHH224335/HH224310
921470	TIMHH228349/HH228310
921481	TIMHH234048/HH234010
921494	TIMH715336/H715311
921541	TIMHH224346/HH224310
921551	TIMHH221430/HH221410
921552	TIMHH421246C/HH421210
921629	TIM3780/3720
921674	TIM95528/95925
921678	TIM850/832
921734	TIMH715341/H715311
921809	TIM5583/5535
921855	TIM5584/5535
921856	TIM5578/5535
921878	TIM529X/522
921881	TIM99575/99100
921888	TIM3782/3720
921892	TIM3586/3520
921893	TIM6386/6320
921895	TIMH715346/H715311
921896	TIMM802048/M802011
921899	TIM843/832
921901	TIMHH437549/HH437510
2915524	SKF23144-W33/C3