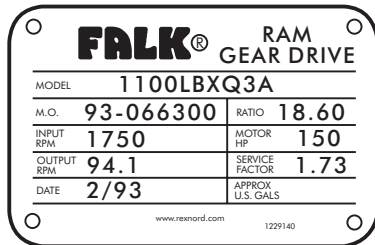


Introduction

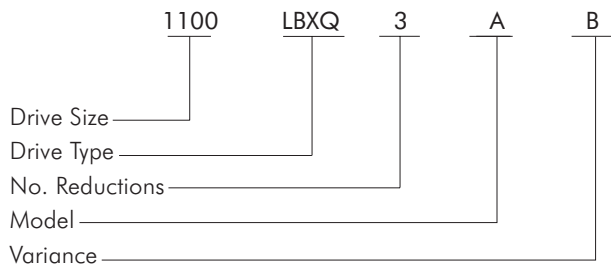
This parts guide is designed to assist in ordering replacements parts for standard Type "LBXQ" right angle triple reduction gear drives with a vertical high speed shaft and a vertical hollow low speed shaft. Refer to Factory for special or modified drives.

- IDENTIFY DRIVE** — Record Drive Model, Ratio, and M.O. Number from nameplate.

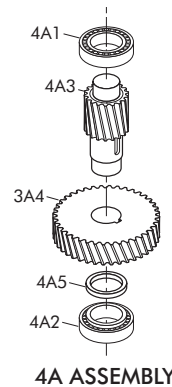
Sample Nameplate



Gear Drive Identification



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



Ref No.	Part Description
4A1	Bearing
4A2	Bearing
4A3	Pinion & Shaft
4A5	Spacer

NOTE: Replace seals, shims, and gaskets whenever reassembling a reducer. Shim-gaskets are available only in kits; see reference number 100.

- 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 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, Pages 3 & 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, the Factory provides standard 24 month protection as boxed or optional 24 month protection for individual parts.
- For export or outdoor storage, the Factory provides optional 18 month protection.

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

Parts Diagram

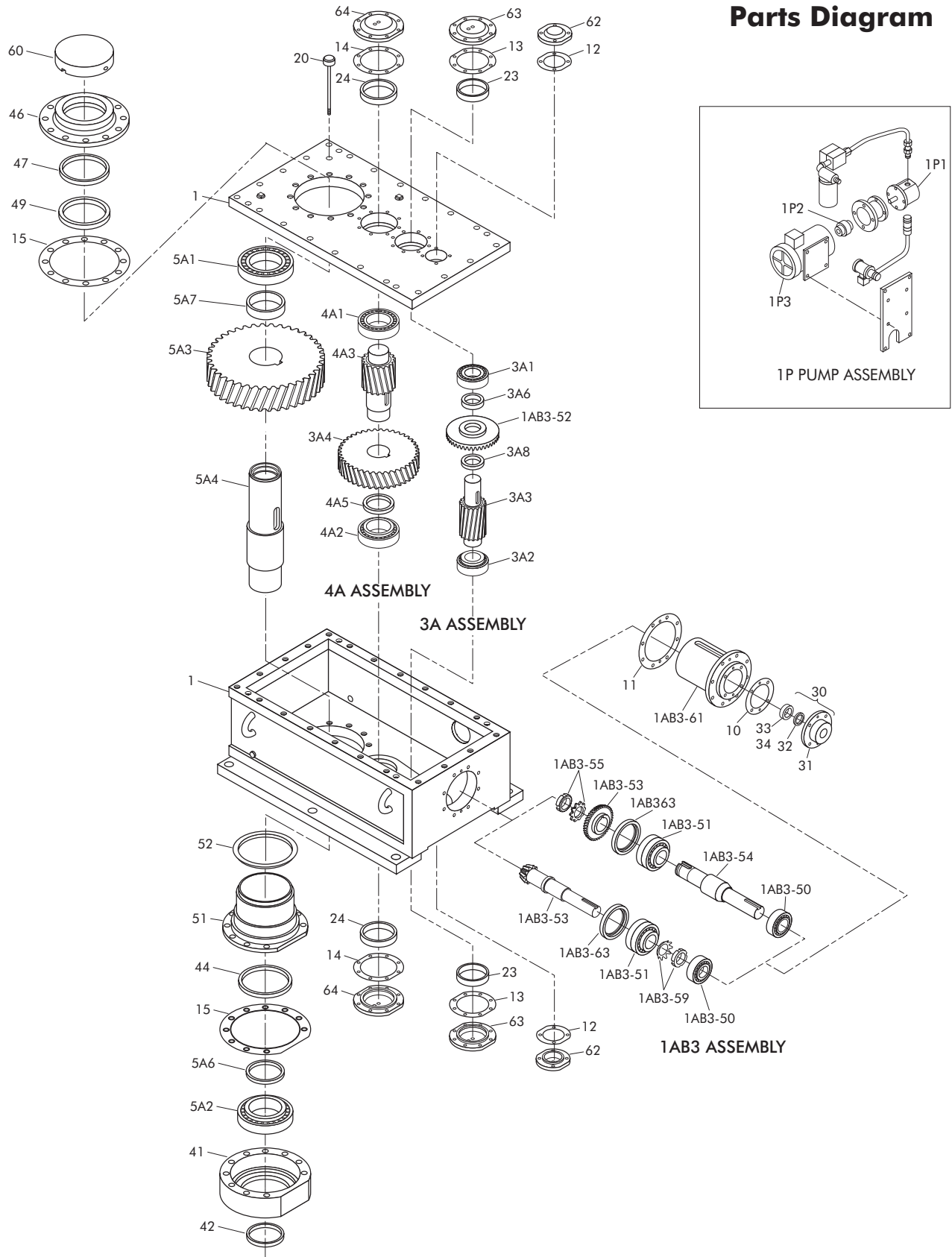


TABLE 1 — Parts List

Ref No	Part Description
1	Housing - Cover & Base
10	Shim-Gasket
11	Shim-Gasket
12	Shim-Gasket
13	Shim-Gasket
14	Shim-Gasket
15	Shim-Gasket
20	Dipstick
23	Spacer
24	Spacer
30	Seal Cage Assembly (Includes Ref Nos 31 thru 33)
31	Seal Cage
32	Seal
33	Bush Seal (Size 1100 thru 1500)
34	Seal (Size 1500 Only)
41	Bearing/Seal Cage
42	Seal
44	Seal
46	Seal Cage
47	Seal
49	Seal
51	Oil Dam
52	Seal
60	Shaft Cover
62	Shaft Cover (Size 1100 thru 1400)
63	Shaft Cover
64	Shaft Cover
100	Shim-Gasket Kit (Includes Ref Nos 10, 11, 12, 13, 14 & 15)
H.S. SHAFT ASSEMBLY — WITH INTEGRAL PINION	
1AB3	Shaft Assembly (Includes Ref Nos 1AB3-50 thru 1AB3-63 & Ref No 30)
1AB3-50	Bearing
1AB3-51	Bearing
1AB3-52	Bevel Gear (Matched set with 1AB3-53)
1AB3-53	Bevel Pinion & Shaft (Matched set with 1AB3-52)
1AB3-59	Locknut & Washer
1AB3-61	Bearing Cage
1AB3-63	Threaded Ring
H.S. SHAFT ASSEMBLY — WITH BORED PINION	
1AB3	Shaft Assembly (Includes Ref Nos 1AB3-50 thru 1AB3-63 & Ref No 30)
1AB3-50	Bearing
1AB3-51	Bearing
1AB3-52	Bevel Gear (Matched set with 1AB3-53)
1AB3-53	Bevel Pinion (Matched set with 1AB3-52)
1AB3-54	Shaft
1AB3-55	Locknut & Washer
1AB3-61	Bearing Cage
1AB3-63	Threaded Ring
EXTERNAL LUBRICATION PUMP	
1P	Pump Assembly
1P1	Pump
1P2	Coupling
1P3	Motor
INTERMEDIATE SHAFT ASSEMBLY	
3A	Shaft Assembly (Includes Ref Nos 3A1 thru 3A8 & 1AB3-52)
3A1	Bearing
3A2	Bearing
3A3	Pinion & Shaft
3A4	Gear (Included with Ref No 4A)
3A6	Spacer
3A8	Spacer (Sizes 1100, 1400 & 1500)
L.S. PINION ASSEMBLY	
4A	Shaft Assembly (Includes Ref Nos 4A1 thru 4A5 & 3A4)
4A1	Bearing
4A2	Bearing
4A3	Pinion & Shaft
4A5	Spacer
L.S. SHAFT ASSEMBLY	
5A	Shaft Assembly (Includes Ref Nos 5A1 thru 5A7)
5A1	Bearing
5A2	Bearing
5A3	Gear
5A4	Hollow Shaft
5A6	Spacer (Size 1100 only)
5A7	Spacer

TABLE 2 — Bearings/Falk Part Numbers

DRIVE SIZE	1AB3-50	1AB3-51	3A1	3A2	4A1/4A2	5A1/5A2
1100	920615	921820	921809	921809	921899	921331
1200	919242	921815	921895	921895	921552	921759
1300	919242	921817	921678	★	921443	2912892
1400	920698	2920380	921443	†	921541	2912802
1500	919065	921819	921541	‡	921470	2913166

★ Ratios 14.41 thru 21.48 = 921678; Ratios 22.83 thru 71.22 = 921899.

† Ratios 13.82 thru 20.99 & 34.54 = 921443; Ratios 22.74 thru 32.24 & 38.06 thru 71.04 = 921551.

‡ Ratios 14.16 thru 22.55 = 921541; Ratios 23.11 thru 70.29 = 921459.

TABLE 3 — Bearing Manufacturer's Part Numbers •

Falk Part No.	Manufacturer's No.
SPHERICAL ROLLER BEARINGS	
919065	22218-W33/C3
919242	22313-W33/C3
920698	22314-W33/C3
TAPERED ROLLER BEARINGS ■	
921331	HM237545/HM237510
921443	HH221449/HH221410
921459	HH224335/HH224310
921470	HH228349/HH228310
921541	HH224346/HH224310
921551	HH221430/HH221410
921552	HH421246/HH421210
921678	850/832
921759	JHM840449/JHM840410
921809	5583/5535
921895	H715346/H715311
921899	843/832
2912802	EE275100/275155
2912892	EE130902/131400
2913166	EE722115/722185
CYLINDRICAL ROLLER BEARINGS (ND-HYATT) ■	
920615	U-5309TS
DOUBLE ROW (TDO) TAPERED ROLLER BEARINGS (TIMKEN) ♦	
921815	9285-90022
921817	9380-90015
921819	H924045-90027
921820	72225C-907A1
2920380	HM921343/HM921310D

• Rexnord suppliers of bearings are:

 Tapered Roller Bearings — Timken, Bower and Tyson
 Spherical Roller Bearings — Torrington, SKF, FAG & PTC (Link Belt)

■ Other Rexnord suppliers of bearings that are considered equal to those listed are: Tapered Roller Bearings — Bower and Tyson

Cylindrical Roller Bearings — Bower, SKF, Rollway, FAG & FMC (Link Belt)

♦ Double row (TDO) tapered roller bearings must be purchased per the manufacturer's assembly part number or Falk part number to obtain correct bearing end play.

TABLE 4 — Oil Seals/Falk Part Numbers

DRIVE SIZE	Reference Number							
	32	33	34	42	44	47	49	52
1100	913018	3200208	...	912816	912767	912816	912833	2912858
1200	912993	3200211	...	912767	912827	2913531	912767	2913534
1300	912993	3200211	...	912578	912580	912672	912578	2912448
1400	913030	3200336	...	912580	912550	912580	912940	2912803
1500	912995	...	912996	912550	912808	912550	2913168	2913172

TABLE 5 — Seal Manufacturer's Part Numbers ★

Part No	Chicago Rawhide	Johns-Manville	National
912550	CRWH1-115021	9019LUP	...
912578	HDS5-91135	16554LUP	455476
912580	...	9830LPD	455270
912672	CRP 90006	11552LPD	...
912767	CRWH 77540	...	...
912808	HDS1-1300570	...	...
912816	CRWH 70016	10063LPD	455517
912827	CRWH 85009	10371LUP	455489
912833	CRWH 70052	11577LPD	455084
912940	...	17846LDS	417020
912993	CRWH 24914 (V)	9790LUP H5/L16 (V)	450519V
912995	CRWH 34892 (V)	11197LUP H5/L16 (V)	...
912996	...	8821LPD H5/L16 (V)	...
913018	CRW 17379 (V)	14849LPD H5/L16 (V)	...
913030	...	14042LPD H5/L16 (V)	...
2912448	402750	...	...
2912803	403250	...	...
2912858	402002	...	...
2913168	CRWH 115041	...	...
2913172	403500	...	...
2913531	CRSH 77530	...	...
2913534	402500	...	...

★ Subject to substitution of equivalent seals without notice. Manufacturer's part numbers ending in V or (V) denote high temperature seals.