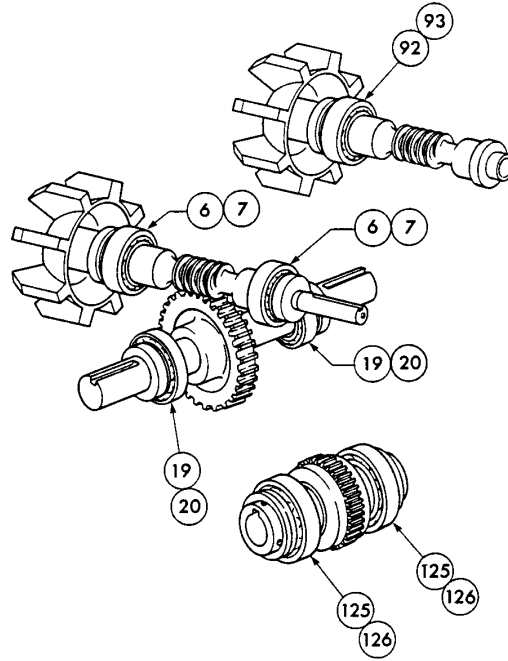


Ordering Instructions - When ordering bearings, give the reference numbers from the drawings, bearing

manufacturer's part number from the tables and complete nameplate data: drive size, model, serial no., ratio and date.

SINGLE REDUCTION SIZES 100 THRU 1000



DRIVE SIZE	Bearing Reference and Manufacturer's No.			
	6/7	19/20	92/93	125/126
100	NDH 3201	NDH 3203	NDH 3201	...
133	NDH 3204	Timken LM11910 LM11949	NDH 3204	Timken L44610 L44643
154	NDH 3204	Timken LM11910 LM11949	NDH 3204	Timken L44610 L44643
175	NDH 3204	Timken L44610 L44643	NDH 3204	Timken JL69310 JL69349
206	NDH 3204	Timken L44610 L44643	NDH 3204	Timken JLM104910 JLM104948
238	NDH 3304	Timken 15245 15123	NDH 3304	Timken JLM104910 JLM104948
262	Timken L44610 L44643	Timken LM48510 LM48548	Timken L44610 L44643	Timken JLM104910 JLM104948
300	Timken L68111 L68149	Timken 15245 15123	Timken L68111 L68149	Timken 394A 395A

DRIVE SIZE	Bearing Reference and Manufacturer's No.			
	6/7	19/20	92/93	125/126
325	Timken L68111 L68149	Timken LM501310 LM501349	Timken L68111 L68149	Timken 394A 395A
326	Timken L68111 L68149	Timken LM501310 LM501349 [■]	Timken L68111 L68149	...
425	Timken LM48510 LM48548	Timken 3720 3781	Timken LM48510 LM48548	Timken 29620 29685
525	Timken LM603011 LM603049	Timken 39520 39581	Timken LM603011 LM603049	Timken JM822010 JM822049
600	Timken HM903249 HM903210	Timken 3984 3920	Timken HM903249 HM903210	Timken JM822010 JM822049
700	Timken 72487 72187	Timken H414210 H414249 [■]	...	Timken 48220 48290
800	★	‡, ■	...	Timken 48620 48685
1000	†	● ■	...	Timken 67720 67786

★ Extension End: NTN 22211B; Fan End: Timken HM911210/HM911245. Two Timken bearings are required.

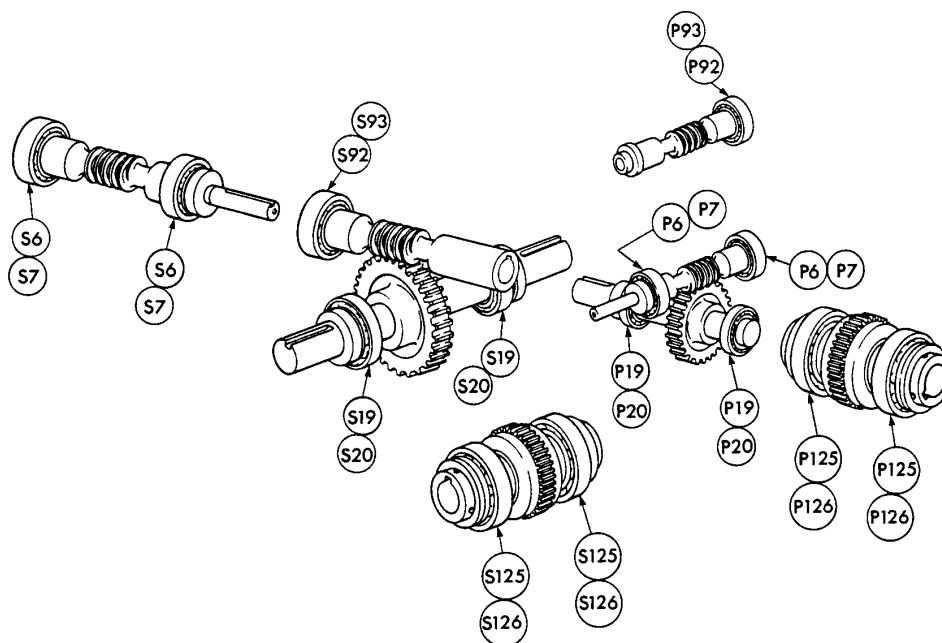
† Extension End: NTN22213B; Fan End: Timken H913810/H913849. Two Timken bearings are required.

‡ Extension End: Timken 752/757; Inboard End: Timken 752/755

● Extension End: Timken 854/866; Inboard End: Timken 854/864

■ L.S. Extension end bearings for WR units: Size 326 = Timken LM603011/LM603049; Size 700 = Timken H715311/H715348; Size 800 = Timken 752/759; Size 1000 = Timken 854/861

DOUBLE REDUCTION WORM/WORM SIZES 133 THRU 1000



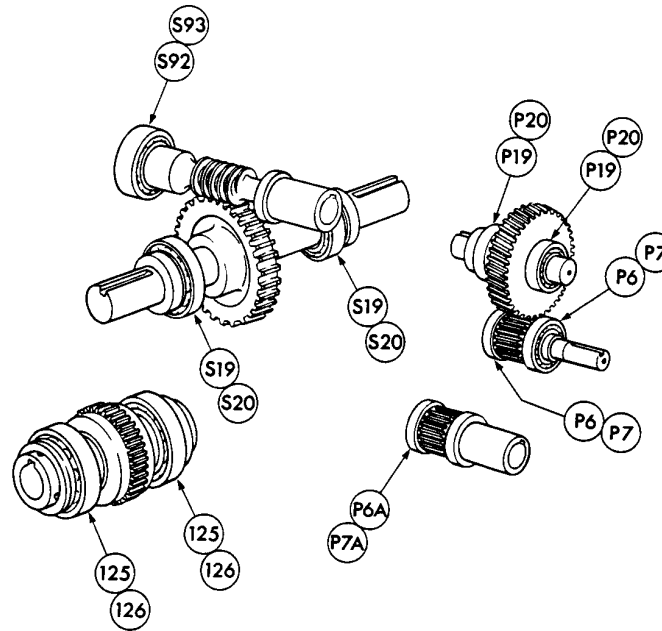
DRIVE SIZE	Bearing Reference and Manufacturer's No.					
	P6/P7	P19/P20	S19/S20	P92/P93	S92/S93	S125/S126
133	NDH 3201	NDH 3203	Timken LM11910 LM11949	NDH 3201	NDH 3204	Timken L44610 L44643
154	NDH 3201	NDH 3203	Timken LM11910 LM11949	NDH 3201	NDH 3204	Timken L44610 L44643
175	NDH 3201	NDH 3203	Timken L44610 L44643	NDH 3201	NDH 3204	Timken JL69310 JL69349
206	NDH 3201	NDH 3203	Timken L44610 L44643	NDH 3201	NDH 3204	Timken JLM104910 JLM104948
238	NDH 3204	Timken LM11910 LM11949	Timken 15245 15123	NDH 3204	NDH 3304	Timken JLM104910 JLM104948
262	NDH 3204	Timken LM11910 LM11949	Timken LM48510 LM48548	NDH 3204	Timken L44610 L44643	Timken JLM104910 JLM104948

DRIVE SIZE	Bearing Reference and Manufacturer's No.					
	P6/P7	P19/P20	S19/S20	P92/P93	S92/S93	S125/S126
300	NDH 3204	Timken LM11910 LM11949	Timken 15245 15123	NDH 3204	Timken L68111 L68149	Timken 394A 395A
325	NDH 3204	Timken L44610 L44643	Timken LM501310 LM501349	NDH 3204	Timken L68111 L68149	Timken 394A 395A
326	NDH 3204	Timken L44610 L44643	Timken LM501310 LM501349 [■]	NDH 3204	Timken L68111 L68149	...
425	NDH 3204	Timken L44610 L44643	Timken 3720 3781	NDH 3204	Timken LM48510 LM48548	Timken 29620 29685
525	Timken L44610 L44643	Timken LM48510 LM48548	Timken 39520 39581	Timken L44610 L44643	Timken LM603011 LM603049	Timken JM822010 JM822049
600	Timken L68111 L68149	Timken LM501310 LM501349	Timken 3984 3920	Timken L68111 L68149	Timken HM903249 HM903210	Timken JM822010 JM822049

DRIVE SIZE	Bearing Reference and Manufacturer's No.					
	P6/P7	P125/P126	P92/P93	S6/S7	S19/S20	S125/S126
700	Timken L68111 L68149	Timken 394A 395A	Timken L68111 L68149	Timken 72487 72187	Timken H414210 H414249 [■]	Timken 48220 48290
800	Timken LM48510 LM48548	Timken 29620 29685	Timken LM48510 LM48548	★	‡, ■	Timken 48620 48685
1000	Timken LM603011 LM603049	Timken JM822010 JM822049	Timken LM603011 LM603049		●, ■	Timken 67720 67786

- ★ Extension End: NTN 22211B; Fan End: Timken HM911210/HM911245. Two Timken bearings are required.
- † Extension End: NTN22213B; Fan End: Timken H913810/H913849. Two Timken bearings are required.
- ‡ Extension End: Timken 752/757; Inboard End: Timken 752/755
- Extension End: Timken 854/866; Inboard End: Timken 854/864
- L.S. Extension end bearings for WRW units: Size 326 = Timken LM603011/LM603049; Size 700 = Timken H715311/H715348; Size 800 = Timken 752/759; Size 1000 = Timken 854/861

DOUBLE REDUCTION HELICAL/WORM SIZES 133 THRU 600



DRIVE SIZE	Bearing Reference & Manufacturer's No.					
	P6/P7	P6A/P7A	P19/P20	S19/S20	S92/S93	125/126
133	★	NDH 3L02	†	Timken LM11910 LM11949	NDH 3204	Timken L44610 L44643
154	★	NDH 3L02	†	Timken LM11910 LM11949	NDH 3204	Timken L44610 L44643
175	★	NDH 3L02	†	Timken L44610 L44643	NDH 3204	Timken JL69310 JL69349
206	★	NDH 3L02	†	Timken L44610 L44643	NDH 3204	Timken JLM104910 JLM104948
238	NDH 3204	NDH 3204	NDH 3205	Timken 15245 15123	NDH 3304	Timken JLM104910 JLM104948
262	NDH 3204	NDH 3204	NDH 3205	Timken LM48510 LM48548	Timken L44610 L44643	Timken JLM104910 JLM104948

DRIVE SIZE	Bearing Reference & Manufacturer's No.					
	P6/P7	P6A/P7A	P19/P20	S19/S20	S92/S93	125/126
300	NDH 3204	NDH 3204	NDH 3205	Timken 15245 15123	Timken L68111 L68149	Timken 394A 395A
325	NDH 3204	NDH 3204	NDH 3205	Timken LM501310 LM501349	Timken L68111 L68149	Timken 394A 395A
326	NDH 3204	NDH 3204	NDH 3205	Timken LM501310 LM501349 ⁵	Timken L68111 L68149	...
425		NDH 3204		Timken 3720 3781	Timken LM48510 LM48548	Timken 29620 29685
525		NDH 3204		Timken 39520 39581	Timken LM603011 LM603049	Timken JM822010 JM822049
600		NDH 3204		Timken 3984 3920	Timken HM903249 HM903210	Timken JM822010 JM822049

- ★ Extension End: NDH 3204; Inboard End: NDH 3L02
- † Extension End: NDH 3302; Inboard End: NDH 3201
- ‡ Extension End: NDH 3205; Inboard End: NDH 3204
- Extension End: NDH 3206; Inboard End: NDH 3205
- L.S. extension end bearings for WRH units: Size 326 = Timken LM603011/LM603049



Bearing Data For Sizes 700-1000 Helical/Worm

Helical/Worm Drive Sizes 700-1000 utilize Series 2000J Units for helical primary heads.

For primary head bearing replacement, refer to Parts Guide 373-914 for Model A and the Quadrive® Owners Manual 2109325 for Model B. The specific J-Unit primary size and ratio may be determined from the tables below and at the right. For secondary bearings, use the standard single reduction bearings listed on [Page 1](#).

Primary & Secondary Drive Size Combinations

Type W Secondary	700	800	1000
Type J Primary: Model A	2115	2203	2207
Type J Primary: Model B	4115	4203	4207

Standard Helical/Worm Drive Ratio Combinations

Total Reductions	Helical/Worm Nominal Ratio	J-Unit Nominal Ratio
Double	25, 37.5, 50, 75, 100, 125, 150, 200, 300:1	5:1
Triple	138, 185:1	9:1
Triple	210, 280, 350, 420, 560, 700, 840:1	14:1
Triple	250, 375, 500, 625, 750, 1000, 1250, 1500, 1750:1	25:1