

**CHANGE IN THE PINION BEARING IN FRMP-13/16 AND FSMP-14
AXLES WITH MP-330 DRIVE GEARS**

Change:

In MP-330 Drive Gears the pinion axle shaft diameter has increased from 68 mm to 76 mm. This causes changes in part numbers of the ring & pinion gear sets, pinion bevel gears, pinion bearings, spacer rings, adjusting shims and in the pinion bearing housings. The change is to increase the service life of the gearing.

Identify & Date of Change:

The reinforced pinion bearing have been taken/will be taken in production gradually depending of the ratio.

The axle product codes have been changed also. See separate list.

Interchangeability:

The drive gears are interchangeable as complete units.

Part numbers of the earlier drive gears are type 144/544-201/203-XXXX)

Part numbers of the drive gears with the reinforced pinion bearing are type 544-301-XXXX).

In repairs the earlier type drive gear can be modified to be comparable with new drive gear with the reinforced pinion bearing by changing the parts according to the list in the next page.

Changing Parts in Drive Gears:

Resulting Gear Changes					
Old Gear Sets			New Gear Sets		
Ring & Pinion Gear Set	Pinion Bevel Gear	Req'd / Axle	Ring & Pinion Gear Set	Pinion Bevel Gear	Overall Ratio
143-240-3311	144-261-1910	1	543-240-6111	544-261-3100	4,09
143-240-3311	144-261-2010	1	543-240-6111	544-261-3000	4,30
143-240-3311	144-261-1900	1	543-240-6111	544-261-3010	4,68
143-240-3321	144-261-1900	1	543-240-6121	544-261-3010	5,56
543-240-3359	144-261-1900	1	543-240-6159	544-261-3010	5,25
143-240-3329	144-261-1900	1	543-240-6129	544-261-3010	6,36
143-240-3319	144-261-1900	1	543-240-6119	544-261-3010	7,01
143-240-3351	144-261-1900	1	543-240-6151	544-261-3010	8,79
143-240-3381	144-261-1900	1	543-240-6181	544-261-3010	10,55

Resulting Associated Parts Changes					
Old			New		
Part No.	Description	Req'd / Axle	Part No.	Description	Req'd / Axle
144-211-1300	Housing w/o pump	1	544-211-1900	Housing w/o pump	1
144-211-1310	Housing w/pump	1	544-211-1910	Housing w/pump	1
91744-00681	Bearing	1	591744-00760	Bearing	1
090-110-6740	Bearing Cone	1	591744-10754	Bearing Cone *)	1
090-121-3700	Bearing Cup	1	591744-21451	Bearing Cup *)	1
143-261-0700	Spacer Ring 94.20 mm	As Req'd	543-261-1300	Spacer Ring 89.00 mm	As Req'd
143-261-0701	Spacer Ring 94.15 mm	As Req'd	543-261-1301	Spacer Ring 89.02 mm	As Req'd
143-261-0702	Spacer Ring 94.18 mm	As Req'd	543-261-1302	Spacer Ring 89.05 mm	As Req'd
143-261-0703	Spacer Ring 94.12 mm	As Req'd	543-261-1303	Spacer Ring 89.08 mm	As Req'd
099-516-7000	Shim 0.10 mm	As Req'd	590731-07510	Shim 0.10 mm	As Req'd
099-516-7001	Shim 0.30 mm	As Req'd	590731-07530	Shim 0.30 mm	As Req'd
099-516-7002	Shim 0.50 mm	As Req'd	590731-07550	Shim 0.50 mm	As Req'd
099-516-7003	Shim 0.25 mm	As Req'd	590732-07510	Shim 1.00 mm	As Req'd

*) Part No. for the complete Taper Roller Bearing is 591744-00754.

Customer: Fabco

APPENDIX FOR SERVICE BULLETIN S11004 (CHANGE IN THE PINION BEARING IN FRMP-13/16 AND FSMP-14AXLES WITH MP-330 DRIVE GEARS)**The Dates of the Reinforcement per Axle Total Ratio:**

Total Ratio:	First Serial No.:	Date:
4.68	01581	5/2000
5.56	00144	1/2001
6.36	10259	1/2001
7.01	11473	4/2001
8.79	130377	2/2003
10.55	22983	11/2002