

What is the difference?

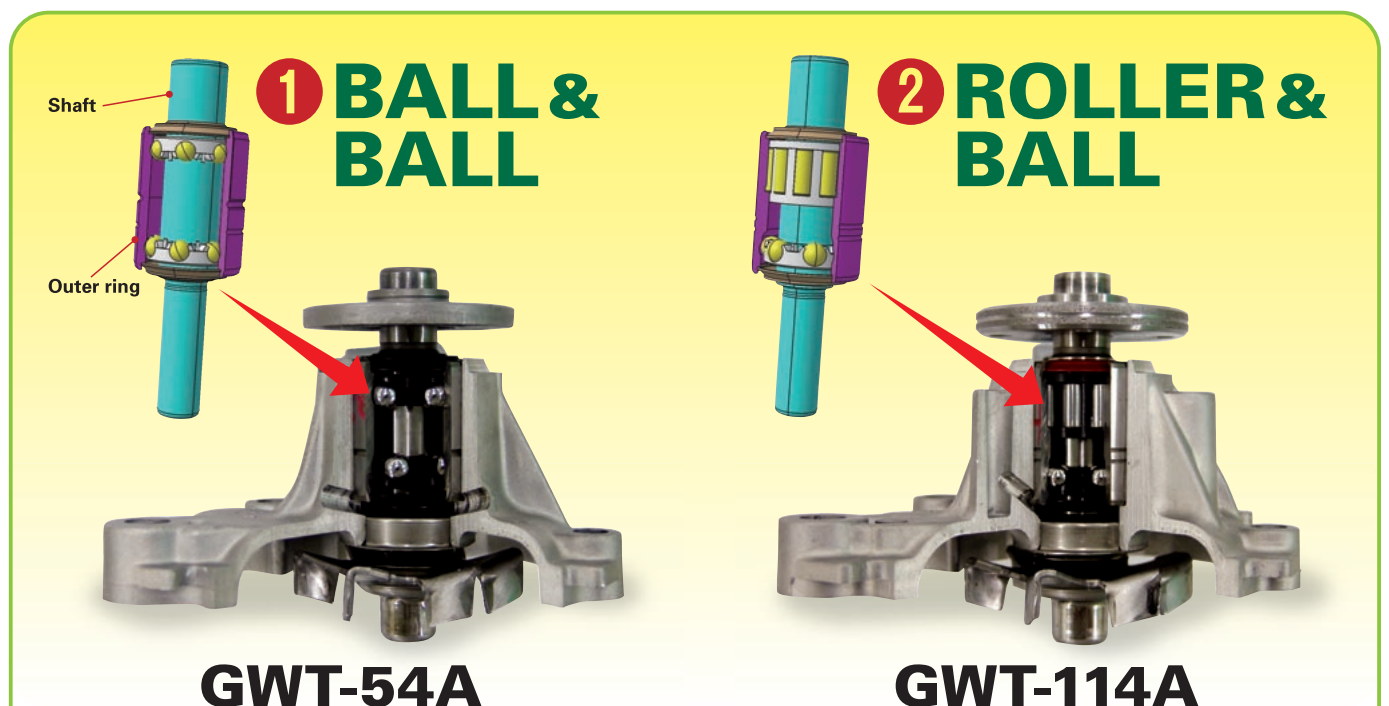
In this issue, we would like to introduce GMB shaft bearings, one of the most important component parts of water pumps.

Water pump bearings can be divided into two types generally:

- 1 Ball & Ball type, both bearing elements consist of Balls
- 2 Roller & Ball type, one line consists of Rollers and the other consists of Balls


As the ball touches raceway of shaft and outer ring at a point, Ball & Ball bearings have an advantage for silent motion. On the other hand, Roller & Ball bearings have an advantage of heavy radial capacity since roller touches raceway of shaft and outer ring at a line.

With above reasons, Ball & Roller types are suitable for the cars with heavy working conditions under hood. As a following example (GWT-54A and GWT-114A), which has two different bearings with similar car applications, please recommend correct water pumps with the application guide shown in our catalog.








New Item

GENERAL MOTORS

PART NO.	APPLICATION GUIDE			
GWG-93A 12566029	04- 04-	BUICK CADILLAC	LACROSSE CXS RENDEZVOUS CXL/ULTRA CTS , SRX , STS (V6 3.6L) (217cid GAS FI N ENGINE)	 NOW ON SALE

MAZDA

NEW PART NO.	APPLICATION GUIDE			
GWMZ-59A * (1A01-15-010A 1A02-15-010A W/HOUSING NO.) <u>(GWMZ-59A=GWS-27A)</u>	K6A	660	AZ OFFROAD HB22S (98.10-99.10) AZ WAGON HP21S (99.03-01.03) CAROL JM23W (98.10-02.01) LAPUTA MD21S (98.10-00.11)	 NOW ON SALE
GWMZ-60A * (1A61-15-010B 1A05-15-010A W/HOUSING NO.) <u>(GWMZ-60A=GWS-28A)</u>	K6A	660	AZ WAGON CY51S (97.04-98.09) CAROL CZ51S (97.04-98.09) LAPUTA HB22S (98.10-00.12) HP21S (00.10-01.03) MD21S 99.10-00.11	 NOW ON SALE
GWMZ-61A * (1A12-15-010B 1A12-15-010C W/HOUSING NO.) <u>(GWMZ-61A=GWS-32A)</u>	K6A	660	AZ WAGON HB22S/23S (00.12-02.04) CAROL HF21S (02.02-04.04) LAPUTA HP22S (01.04-05.03) SPIANO MD22S (00.12-05.03)	 NOW ON SALE
GWMZ-62A * (1A13-15-010B 1A13-15-010C W/HOUSING NO.) <u>(GWMZ-62A=GWS-35A)</u>	K6A	660	AZ WAGON MD22S (01.11-05.03) LAPUTA HP22S (01.11-) SPIANO HF21S (02.10-04.10)	 NOW ON SALE
GWMZ-63A * (1A09-15-010D W/HOUSING NO.) <u>(GWMZ-63A=GWS-37A)</u>	K6A	660	SCRUM DG62T (01.09-02.05) DG62V/62W (01.09-05.09) DG63T (02.05-)	 NOW ON SALE

*--available wp only