

Bearing Identification AFBMA Bearing Numbers

The Anti Friction Bearing Manufacturers Association have a code system which identifies bearings by type, size and construction. Any bearing supply house or bearing manufacturer can identify their bearings from such code numbers. The following tabulation shows those codes which most commonly apply to bearings in U.S. MOTORS® products.

AFBMA Code System For Bearings

<u>000</u>	<u>AAA</u>	<u>OO</u>	<u>AAAA</u>	<u>Q</u>
Bore	Type	Width & O.D.	Cage, Shields or Seals & Modifications	Internal Fit Up
Code	Space No.	Common Symbols	Description	
Bore	1, 2, 3	17 or 105	Inside diameter of bearing in mm. refer to bearing catalog	
		BC	Ball bearing, single row, radial, non-filling slot	
		BL	Ball bearing, single row, radial, filling slot	
Type	1, 2, 3	BD	Ball bearing, double row, radial, non-filling slot	
		BF	Ball bearing, double row, radial, filling slot	
Width & O.D.	1, 2	00	6000 series bearing	
		02	6200 series bearing	
		03	6300 series bearing	
		04	6400 series bearing	
			Manufacturer a standard bearing cage	
		X	Metal shield permanently fastened	
Cage shields or seals modification	1, 2, 3	P		
		S		
		G	Contact seal permanently fastened	
			Snap ring groove on O.D. with snap ring	
Internal Fit Up	1	3	Internal clearance greater than standard	

Examples:

50BC02 - Single row, radial, non-filling slot ball bearing with 50 mm bore and a 6200 series O.D. and width. The bearing number would be 6210.

75BC03XP - Single row, radial, non-filling slot ball bearing with 75 mm bore, a 6300 series O.D. and width, manufacturer's standard bearing cage and one shield. The bearing number would be 63152.

35BC02XSS3 - Single row, radial, non-filling slot ball bearing with 35 mm bore, a 6200 series O.D. and width, manufacturer's standard bearing cage, 2 seals and an internal clearance greater than standard. The bearing number would be 62072RS/C3