

MAXIM-X

1985/86 Yamaha XJ700X & XJ750X

WHEEL BEARING REFERENCE

Wheel bearing identification is based on a 7-digit designation with countless prefixes & suffixes but for the purpose of the Maxim-X, only the final 4 digits are of significance. Below you'll find a reference chart which details the characteristics of the 5 wheel bearings required for the front and rear of the Maxim-X.

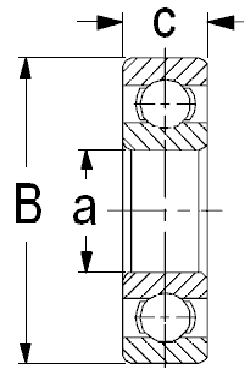
Prefix	4 Digits	Suffix	Description
A	-	-	Ball bearing, single-row, angular contact type with one relieved outer ring shoulder and an outer ring guided retainer.
B	-	-	Ball bearing, single-row, angular contact type with one relieved outer ring shoulder and an inner ring guided retainer.
-	0 (First)	-	Ball radial single-row
-	1 (First)	-	Ball radial spherical double-row
-	2 (First)	-	Roller radial with short cylindrical rollers
-	3 (First)	-	Roller radial spherical double-row
-	4 (First)	-	Roller needle or with long cylindrical rollers
-	5 (First)	-	Roller radial with spiral rollers
-	6 (First)	-	Ball radial-thrust single-row
-	7 (First)	-	Roller tapered
-	8 (First)	-	Ball thrust, ball thrust-radial
-	9 (First)	-	Roller thrust or thrust-radial
-	2 (2nd)	-	Related to outside diameter
-	3 (2nd)	-	Related to outside diameter
-	00 (Last)	-	Fits over 10mm axle
-	01 (Last)	-	Fits over 12mm axle
-	02 (Last)	-	Fits over 15mm axle
-	03 (Last)	-	Fits over 17mm axle
-		Z	Non-contact metal dust shield on one side
-		ZZ	Non-contact metal dust shield on both sides
-		RS	Contact rubber seal on one side
-		2RS	Contact rubber seal on both sides
-		LU	Double lip rubber seal on one side only

FRONT WHEEL

6302-2RS 6302-ZZ Radial Ball Bearing 15X42X13



Bearing Number	Boundary dimensions(mm)		
	a	B	C
6302	15	42	13



Qty	Type	Location	Bore	O.D.	Thickness
(1)	B6302-LU	- speedo drive side	15 mm	42 mm	13 mm
(1)	B6302-ZZ	- right side	15 mm	42 mm	13 mm

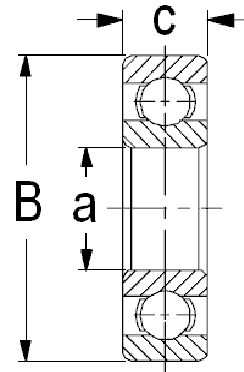
Note: When replacing Maxim-X front wheel bearings, both replacement bearings can be 6302-2RS types but be very careful to not mistakenly purchase 6203-2RS types. The digits are identical & easy to transpose both visually and mentally.

REAR WHEEL - Outer Two (2)

6303-2RS 6303-ZZ Radial Ball Bearing 17X47X14



Bearing Number	Boundary dimensions(mm)		
TBBS	a	B	C
6303	17	47	14



Qty	Type	Location	Bore	O.D.	Thickness
(1)	B6303	- drum side	17 mm	47 mm	14 mm
(1)	B6303-RS	- shaft side (outer)	17 mm	47 mm	14 mm

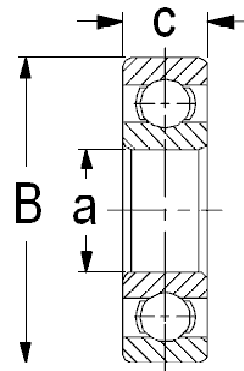
Note: When replacing Maxim-X rear wheel bearings, remember that there are two different sizes. The outer two (2) wheel bearings can both be replaced by 6303-2RS types.

REAR WHEEL - Inner One (1)

6203-2RS 6203-ZZ Radial Ball Bearing 17X40X12



Bearing Number	Boundary dimensions(mm)*		
TBBS	a	B	C
6203	17	40	12



Qty	Type	Location	Bore	O.D.	Thickness
(1)	B6203	- shaft side (inner)	17 mm	40 mm	12 mm

Note: When replacing Maxim-X rear wheel bearings, remember that there are two different sizes. The inner one (1) wheel bearing can be replaced by a 6203-2RS type.

HELPFUL TIPS

- 1) To remove the front wheel bearings, approach from the left side in order to remove the right side bearing first. Between the bearings is a spacer with a flange on the speedo drive side. Since the flange is held in place under the bearing on the right side, it is easier to try to catch the edge of the right side bearing first where the spacer has freer lateral motion.
- 2) To remove the front wheel bearings, use a drift punch or, if you don't have a punch, a sufficiently long & narrow steel rod and a hammer to tap against the inner race of the opposing bearing through the axle shaft. Tap only a little at a time in a triangular pattern to keep the bearing from binding on its way out.
- 3) To replace bearings, use an appropriately large socket which fits over the outer race only and doesn't contact the inner race. Use a hammer to tap against the socket while constantly correcting to keep the bearing travelling straight into its bore.