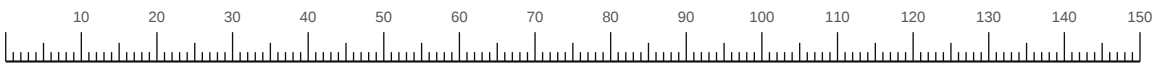


Bearing Size Chart And Reverse Lookup

Measure bore, outside diameter and width, read the bearing number off the table. Works without knowing what the machine is.

Unlike almost everything else on one of these machines, a bearing can be identified with complete confidence from three measurements and nothing else. No model, no year, no brand.

PRINT CALIBRATION — CHECK BEFORE MEASURING



Lay a steel rule along this scale. The 150mm mark must fall at exactly 150mm. If it does not, reprint at 100% / "Actual size" with page scaling off — every measurement you take from a scaled sheet will be wrong.

READING A BEARING NUMBER

Reading a deep-groove ball bearing number, using 6203-2RS as the example

PART OF THE NUMBER	IN 6203-2RS	MEANS
First digit	6	Type — 6 is a single-row deep groove ball bearing
Second digit	2	Dimension series — how heavy-duty it is for a given bore
Last two digits	03	Bore code. From 04 upward, multiply by 5 for the bore in mm; 00, 01, 02 and 03 mean 10, 12, 15 and 17mm
Suffix	2RS	Seals and shields — ZZ or 2Z are metal shields, RS or 2RS are rubber seals, open has neither

THE REVERSE LOOKUP

ISO 15 boundary dimensions for the three series used on small powersports wheels and shafts. Measure your old bearing and read the row.

NUMBER	BORE	OUTSIDE DIA	WIDTH
6000	10 mm	26 mm	8 mm
6001	12 mm	28 mm	8 mm
6002	15 mm	32 mm	9 mm
6003	17 mm	35 mm	10 mm
6004	20 mm	42 mm	12 mm
6005	25 mm	47 mm	12 mm
6200	10 mm	30 mm	9 mm
6201	12 mm	32 mm	10 mm
6202	15 mm	35 mm	11 mm
6203	17 mm	40 mm	12 mm
6204	20 mm	47 mm	14 mm
6205	25 mm	52 mm	15 mm
6300	10 mm	35 mm	11 mm
6301	12 mm	37 mm	12 mm
6302	15 mm	42 mm	13 mm
6303	17 mm	47 mm	14 mm
6304	20 mm	52 mm	15 mm

BEARING SIZE CHART AND REVERSE LOOKUP

NUMBER	BORE	OUTSIDE DIA	WIDTH
6305	25 mm	62 mm	17 mm

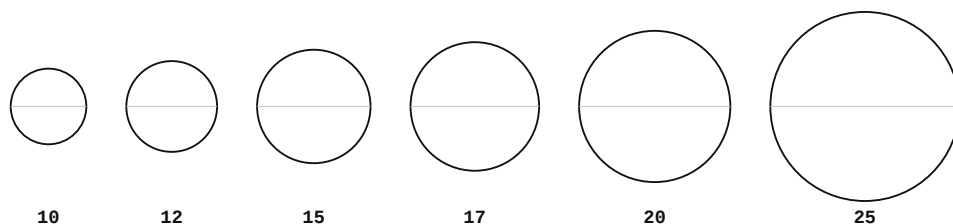
WHERE THESE DIMENSIONS COME FROM

Bore, outside diameter and width for these series are fixed by ISO 15, which is why a 6203 from any maker measures 17 × 40 × 12mm. That is what makes the reverse lookup on this sheet work: you do not need to know what the machine is, only what the old bearing measures. Seal type, internal clearance and load rating are NOT fixed by the number alone — match the suffix as well as the digits.

TRUE-SIZE BORE CIRCLES

Stand the bearing on the circles and find the one its bore matches. This gives you the last two digits of the number without calipers.

BORE DIAMETERS



SEALS AND SHIELDS ARE PART OF THE SPECIFICATION

An open bearing, a 2Z shielded one and a 2RS sealed one all measure the same and are all called 6203. They do not last the same length of time in a wheel that sees rain. Match the suffix on the old bearing, and if you cannot read it, a fully sealed 2RS is the conservative choice for a wheel.

EVERY BEARING ON THE MACHINE

WHERE IT FITS	BORE	OD	WIDTH	NUMBER	SUFFIX	REPLACED ON

- ☐ Bearing turns roughly or notchily by hand
- ☐ Play felt when rocking the wheel at twelve and six o'clock
- ☐ Rumble or growl that changes with road speed, not engine speed
- ☐ Seal split, missing or pushed out

☐ Discoloured — blue or brown — which means it has been hot

Need to work out what you actually own?

The Scooter Parts Registry is a free public record of the Chinese factories behind US-market scooters, ATVs and go-karts — brand, engine family, VIN prefix, factory and related machines. No account, no email.

thescooterparts.com/identify