

Mystery Part Measurement Sheet

You are holding a part. Nobody knows what it is called. This sheet records everything a supplier needs in order to find it for you.

One sheet per part. If you send a seller a photograph of this filled in, you have given them more to work with than most professional enquiries.

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.

WHERE IT CAME FROM

MACHINE MAKE AND MODEL

ENGINE SIZE

 CC

YEAR

WHERE ON THE MACHINE IT FITS

WHAT YOU THINK IT DOES

DATE MEASURED

THE EIGHT MEASUREMENTS

OVERALL LENGTH

 mm

OVERALL WIDTH

 mm

OVERALL THICKNESS

 mm

OUTSIDE DIAMETER

 mm

INSIDE DIAMETER

 mm

BOLT HOLE DIAMETER

 mm

BOLT HOLE SPACING

 mm

WEIGHT IF IT MATTERS

 g

MEASURING WITHOUT A CALIPER

For an outside diameter, lay the part on the grid below and read across its widest point. For an inside diameter, measure the outside and subtract twice the wall thickness. For a bolt circle on an even number of holes, measure centre to centre across opposite holes. For an odd number, trace it and measure the drawing.

TRACE THE PART HERE — 5MM GRID



Draw round the outline. Mark every hole centre with a cross and number them.

NUMBER OF MOUNTING HOLES

THREAD SIZE IF THREADED

e.g. M6

SPANNER SIZE THAT FITS

NUMBER OF SPLINES OR TEETH

SHAFT DIAMETER IT FITS ON

mm

mm

KEYWAY OR FLAT PRESENT

NUMBER OF PINS

CONNECTOR SHAPE

Rectangular, round, bullet

CONNECTOR COLOUR

MALE OR FEMALE

WIRE COLOURS

MYSTERY PART MEASUREMENT SHEET

SKETCH THE CONNECTOR FACE

Draw it as you look into it, and label each pin with its wire colour

EVERY MARKING ON THE PART

Copy them character for character, including ones that look meaningless. Cast and stamped numbers on Chinese components are frequently the manufacturer's own part number, and searching one of those finds the part when no description ever will.

MARKINGS — EXACT CHARACTERS, INCLUDING SPACES AND DASHES

NOTES FOR THE SELLER

MEASURE, DO NOT ASSUME

Two machines that look identical, carry the same badge and were sold in the same year can still take different parts. These vehicles are assembled from several component suppliers, and suppliers change — sometimes inside a single model year. Nothing on this sheet is a statement that a part will fit. It is a record of what you actually have, so that you can compare it against what you are about to buy.

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