

DRIVESHAFT MEASURING GUIDE

INNER TRIPOD CUPS

For tripod-type inner joints. Lobro-type inners use a separate guide.

A

YOU ONLY NEED TO SUPPLY A

Follow this guide carefully. Satchell Engineering will carry out all subsequent calculations to determine the required overall driveshaft length.

01 TAKE THE MEASUREMENT

Measure from the **start of the spline on the inner face of the outer CV joint** to the **inner face of the inner tripod (spider) joint**.

Before measuring, push the spider joint fully into the cup.



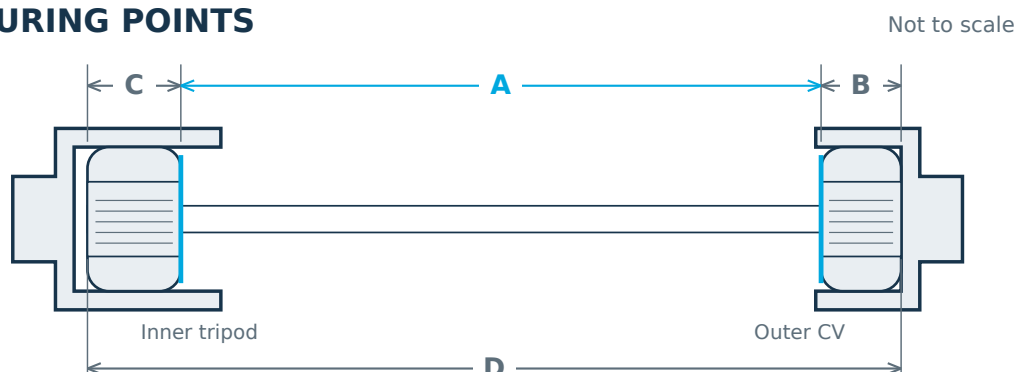
OUTER CV / SPLINE START



INNER TRIPOD / INNER FACE

Use these photographs to identify the measuring faces.

02 MEASURING POINTS



A: Measure between the blue inward-facing joint faces. The spider must be fully bottomed in the cup. Satchell Engineering completes B, C and D.

INNER TRIPOD CUPS

Take measurement **A at all three positions** below, for each side of the vehicle. Record every value in **millimetres**.

1
FULL DROOP

Vehicle on stands, with the wheels hanging at full droop.

2
NORMAL RIDE HEIGHT

Wheels positioned at normal ride height.

3
FULL COMPRESSION

Remove the springs, fully compress the struts, and move the wheels as far into the wheel arches as possible.

COMPLETE THE A ROWS ONLY

Leave the grey B, C and D rows for Satchell Engineering.

SIDE / MEASUREMENT	Full droop	Ride height	Full compression
NEAR SIDE / UK passenger side			
A Customer measurement (mm)			
B Measurement			
C Measurement			
D Required total length			
OFFSIDE / UK driver side			
A Customer measurement (mm)			
B Measurement			
C Measurement			
D Required total length			

For Satchell Engineering: Review the supplied A measurements and complete B, C and D, including the average starting point, spline lengths, plunge allowance and required total length.

SUPPLY YOUR CV JOINTS

Please supply the CV joints so we can check the splines. If available, also provide a sample or mock-up shaft.

IMPORTANT INFORMATION

This guide is for guidance only. You are responsible for ensuring measurement A is accurate. If unsure, ask someone suitably experienced to help. Satchell Engineering accepts no responsibility for driveshafts manufactured to incorrect customer-supplied measurements, or for any mechanical damage resulting from failure.