Instructions for use of the **Python-Drive** measuring device for P30, P60, P80, P110 and P140 CV drive shafts with lengths of 145, 165, 180 or 195 mm.

This device is designed to ensure that both the shaft lengths and the CV joint angles are set within their correct limits and should be used in conjunction with the assembly manual, which is issued free of charge with each **Python-Drive** unit.



- This parcel contains:
- 4 pcs. M8 inserts
- 4 pcs. M10 inserts
- 4 pcs. M12 inserts
- 2 sets bolt/nut with plastic knobs
- 2 pcs. 'Triangular' measuring plates
- 1 pc. Distance piece
- This manual



First attach the distance piece to one of

the triangular shaped plates in the hole which gives the length of your CV drive shaft.





Locate the measuring device on the insert screws

Then partly screw in two insert screws opposite to each other, both on the gearbox adaptor flange and the thrust bearing unit (use the holes which are meant to mount the CV drive shaft).





Locate the second triangular plate on the insert screws on the other side of the installation. Then mount it to the distance piece. The slotted holes on one side provide the necessary

movement for the +/- 2 mm. tolerance in the building length of the CV drive shaft.

As the assembled unit is offered up into the position the CV drive shaft would normally locate, it should be evident as to whether or not the mounting distance for the shaft is

correct. I.e.: if there is a gap at one end then the distance is too great for the shaft to fit correctly. Conversely, if the distance piece is trying to bend in order to fit, then the length is too short.

Once in position, using both hands, rotate the prop shaft and the gearbox output flange one half a turn. Watch the angle indicators of the measuring device carefully during this rotation; The largest angle shown during this half turn rotation is the angle of each CV joint. It is recommended at this point that the assembly manual be consulted for the correct working angles (also make sure that the minimum angle per side is at least 1.5° to 2°).

NOTE: shaft speed is critical to the performance of the CV joints and should therefore be calculated carefully, particularly when being set close to their maximum working angles.

TIP If the length of your CV drive shaft differs from the above mentioned measurable sizes, you can make your own distance piece, using a straight piece of steel, aluminium or even wood and drill Ø 4 mm. holes at each end:

Make this:		www.pythondrive.com	
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		Length of your CV drive shaft minus 40 mm.	
Do not forget to dr	aw a thin li	he between the holes, so that the angles can be measured	

WWW.**PythonDrive**.COM