

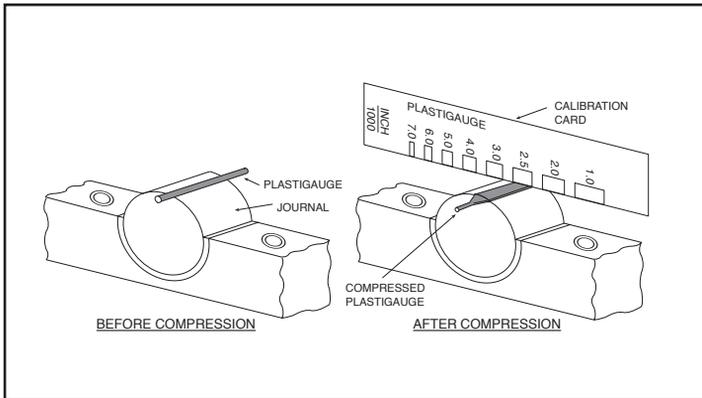


Instruction Leaflet

Plastigauge, Plastic Precision Clearance Gauge

RS stock no. 222-4444, 222-4450 and 222-4472

Plastigauge provides a simple but effective method for the measurement of clearance between fitted surfaces. It is particularly useful for measurement of clearance in split bearings or in situations where feeler gauges cannot be inserted.



Instruction for use

1. Remove bolts and separate big-end or main bearing cap
2. Wipe off oil from surface of shell and journal
3. Coat journal with a smear of grease and apply silicone oil to surface of shell.
4. Position plastigauge on journal, positioning 'radially' will show running clearance, 'circumferentially' can show lobing and irregular wear.
5. Re-assemble bearing and tighten to manufacturers specifications

Note: Where stretch bolts are used, do not tighten into yield. This is approximately 80% of full tightening figure. **(DO NOT ROTATE JOURNAL).**

6. Dismantle bearing once again to reveal the plastigauge which has been deformed into the clearance space normally occupied by the lubricant.
7. Offer up the calibration card, read off the clearance in millimeters or inches.
8. Remove plastigauge using an oiled cloth. Should plastigauge be inadvertently left behind, it is oil soluble and will disperse naturally without adverse affect.

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Plastigauge can also be used to measure high spots in cylinder heads, pipe flanges and metal forming/injection mould die clearance.

Note: It is important to select the correct 'type' of plastigauge to suit the expected measurement range.

RS stock no.	Type	Clearance measurements range	
		Inches	Millimetres
222-4444	A	0.001"-0.007"	0.025-0.175
222-4450	B	0.004"-0.010"	0.10-0.250
222-4472	C	0.007"-0.020"	0.175-0.50

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