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SPECIAL BORE MEASUREMENT

Although Bowers produce the most comprehensive series of bore gauges and internal measuring equipment available, not all applications can be covered by our standard instrument range. In line with our customer care ethos, Bowers have earned a reputation for manufacturing special heads for measuring non-standard applications. The following information illustrates some of the many difficult measuring problems easily solved by these special heads.

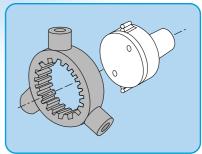






2-POINT SPLINE





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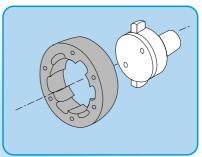
SPECIAL BORE MEASUREMENT

The following diagrams illustrate some of the many applications covered by Bowers specials. Customer quotations for gauges suitable for the measurement of other features can be supplied against a component drawing.





2 point available from 3-150mm. 3 point from 6-300mm diameter.

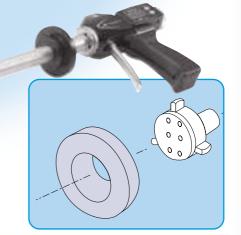




DEEP HOLE

Up to 2.5 metres deep with standard extensions. Pneumatic system available from 50mm diameter for depths of up to 15 metres.





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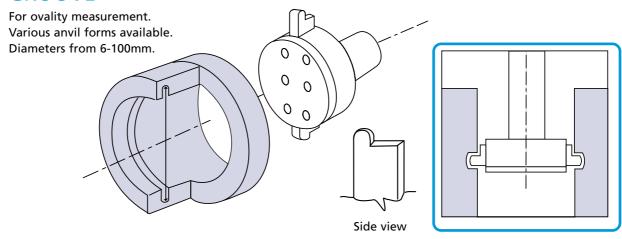
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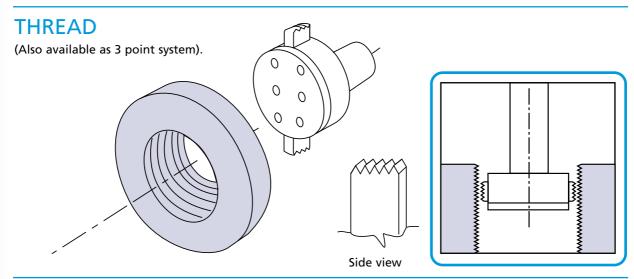


SPECIAL BORE MEASUREMENT

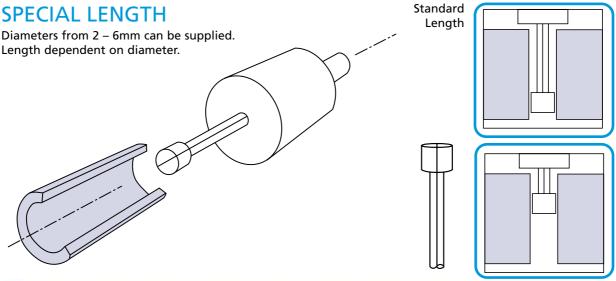
2 AND 3 POINT

GROOVE





SPECIAL LENGTH

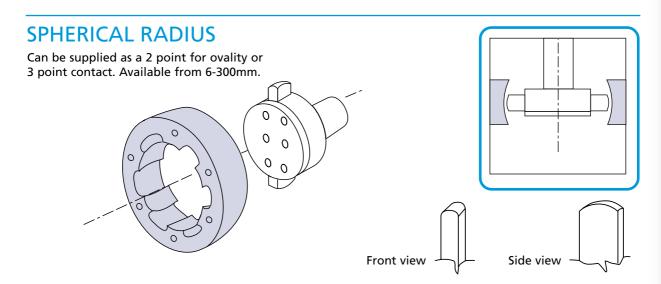


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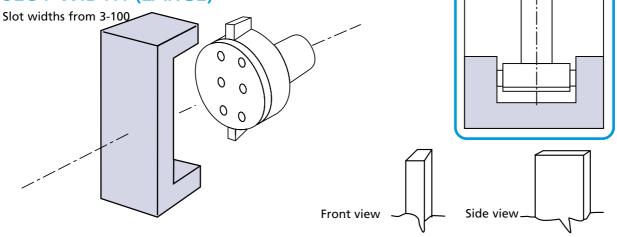


SPECIAL BORE MEASUREMENT

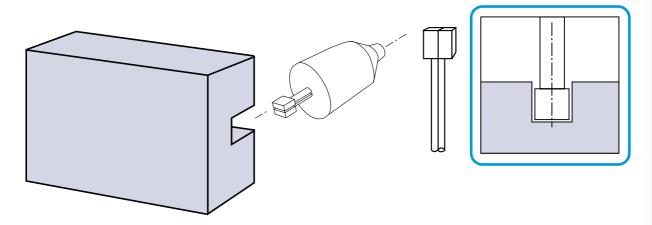
2 AND 3 POINT



SLOT WIDTH (LARGE)



SLOT WIDTH (SMALL)

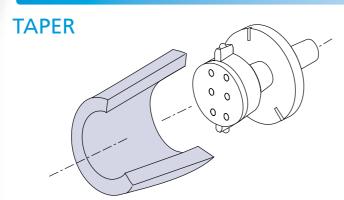


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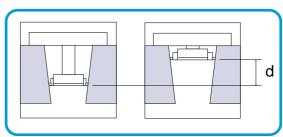
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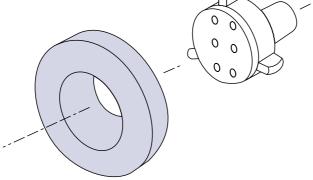
SPECIAL BORE MEASUREMENT



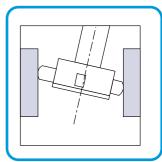
Set using distance 'd' between two heads. Point contact on bore using carbide balls. 3 point also available.



3 POINT SPHERICAL

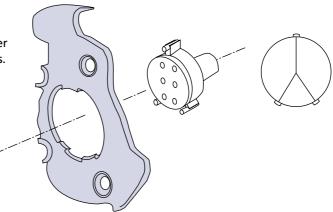


Gives good repeatability even when out of line with bore centre. Available from 3-300mm diameter on digital systems.

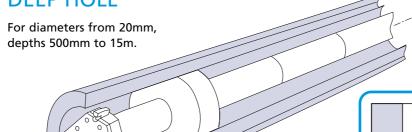


IRREGULAR SPACING

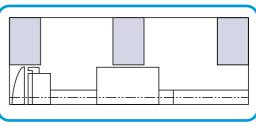
Available between 16-300mm diameter to measure between odd spaced lobes.



DEEP HOLE



Can be fitted with spacer to allow segments to be measured.



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