

Heads available in all XT Styles and Ultima System

2 Point Special Measuring Heads

Groove Measuring Heads

- · Available as 2 point head.
- · Various anvil forms available.
- Diameters from 1/4-12"/6-300mm.
- XT extended range for tight entry size vs. groove size.

Application View

Bore Gages

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Application View

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· Available as 2 or 3 point head.

Thread Measuring Heads

- · Any thread form can be made: Ansi, ISO,
- Whitworth, ACME, JIS, Buttress and Pipe. · Various anvil forms available.
- Diameters from M4-300mm and 8 UN-12" diameter.

Special Length - Small Diameter





- · Not available in 3 point.
- Depth dependent on diameter.
- Split cylinder or split ball form.
- Spherical contacts available.
- Excellent for small deep bore applications.

Contact the Fowler Technical Department for special head applications.

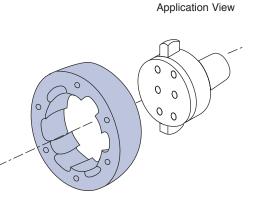
Specifications subject to change without notice.



2 and 3 Point Special Measuring Heads

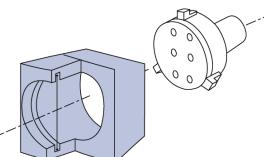
Spherical Radius

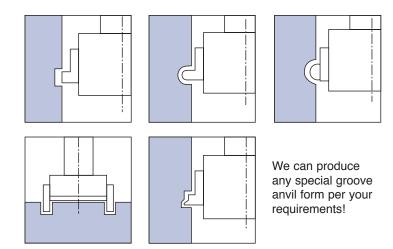
- Can be supplied as a 2 point for ovality or 3 point contact.
- Available from 1/4-12"/6-300mm.
- Spherical anvil radius provides repetitive measurements in deep bore and large bore measuring.
- No need to rock the anvils for TDC size or measuring within 12 degrees off center.



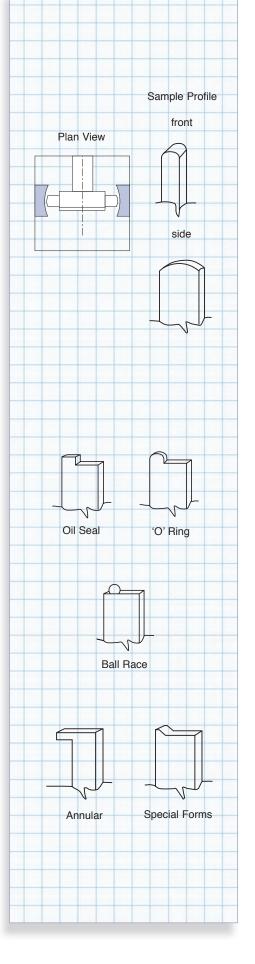
Groove measuring heads

- Available as 2 or 3 point head.
- Various anvil forms available.Nearly any shape or size can be
- accommodated • Diameters from .080-12"/2-300mm.
- XT extended range for tight entry
- size vs groove size.





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Splines (odd and even number of teeth)

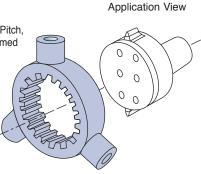
2 and 3 point Internal Spline heads

2 and 3 point heads machined to suit particular spline. Pitch, Major and Minor diameter heads fitted with 1 piece formed anvils.

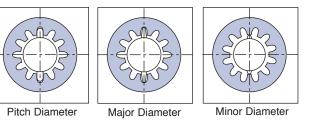
Sizes available from 5/16-12"/8-300mm diameter.

Particularly suited for measuring all types of internal splines. We can supply odd or even tooth, raked, offset, angled and vertical splines. We can supply heads in 2 and 3 point configuration, with ball style or pin style anvils. Specialty tapered spline heads, used in the automotive and aircraft industries can also be supplied.

API gaging and other oil industry specific gages can also be supplied upon request.







Application View

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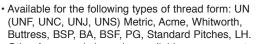
Screw Thread Measuring Heads

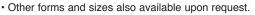
Internal Thread

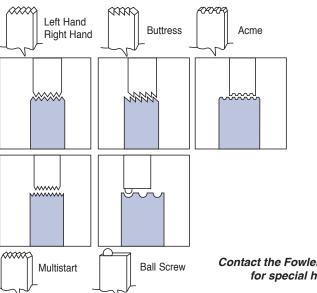
3 Point anvil position

2 Point anvil position

• To measure effective (functional) diameter, pitch diameter, major diameter, between M4-300mm and 8 UN-12" diameter.







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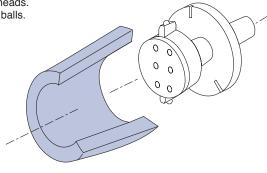
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Taper

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

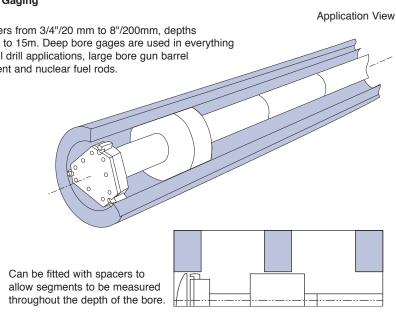


3 Point Spherical

- · Gives good repeatability even when out of line with bore center. Available from .250-12"/6-300mm diameter on
- digital systems. • The spherical anvil gives the gage operator chance to be off axial center by up to 15 degrees, and still have a correct reading on the display
- · Normally used with a stop collar or depth stop device, the spherical anvils also allow minimum contact between the gage and workpiece.

Deep Hole Gaging

For diameters from 3/4"/20 mm to 8"/200mm, depths 20"/500mm to 15m. Deep bore gages are used in everything from oil well drill applications, large bore gun barrel measurement and nuclear fuel rods.



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