



PICCADILLY PRECISION ENGINEERING

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PLUG GAUGES

Threaded (Screw) & Plain Variants



Piccadilly Precision Engineering specialises in thread grinding and is able to offer a wide range of internationally recognised standards to meet your gauging requirements. PPE is also able to manufacture custom threads to customer specifications. We manufacture the following Thread Gauges as standard (Other forms are available on application):

- METRIC SERIES
- UNIFIED SERIES
- WHITWORTH (BSW/BSF)
- G SERIES (BSPF/BSP)

- BRITISH ASSOCIATION (BA)
- HELICOIL/WIRE INSERT
- R / Rc SERIES (BSPT)
- NPT/NPTF

- NGT
- H28
- Rp
- PG

Piccadilly Precision Manufacture and Supply Thread Gauges in Reversible, Taperlock and Tri-Lock styles in both Single & Double Ended configurations and are supplied in the standard format for each size unless otherwise specified at time of quotation and ordering. For further information, feel free to contact us using the links provided. Piccadilly Precision Engineering also manufacture Plain Diameter Plug Gauges in Reversible, Taperlock and Tri-Lock styled in both Single & Double Ended configurations to suit your requirements. Furthermore our gauge makers are able to incorporate additional gauge features, such as Depth Steps, Air Groves and Dirt Grooves to suit each application.

Our Plain Plugs Gauges cover the following size range:

Metric: 0.20mm to 300mm

Imperial: 0.006" to 12"

RING GAUGES

Threaded (Screw) & Plain Variants



Piccadilly Precision Engineering specialises in thread grinding and is able to offer a wide range of internationally recognised standards to meet your gauging requirements.

PPE is able to supply custom threaded ring gauges to customer specifications.

We are able to supply the following Threaded Ring Gauges as standard (Other forms are available on application):

- METRIC SERIES
- UNIFIED SERIES
- WHITWORTH (BSW/BSF)
- G SERIES (BSPF/BSP)

- BRITISH ASSOCIATION (BA)
- HELICOIL/WIRE INSERT
- R / Rc SERIES (BSPT)
- NPT/NPTF

- NGT
- H28
- Rp
- PG

Piccadilly Precision Supply Threaded Ring Gauges in their the standard format for each size unless otherwise specified at time of quotation and ordering. For further information, feel free to contact us using the links provided.

Piccadilly Precision Engineering also manufacture Plain Diameter & Taper Plain Ring Gauges to suit your exact requirements

Our Plain Ring Gauges cover the following size range:

Metric: 3mm to 300mm

Imperial: 0.12" to 12"

CALIPER GAUGES

Threaded (Screw) & Plain Variants



Piccadilly Precision Engineering has a long standing reputation of manufacturing Threaded Caliper Gauges, commonly referred to as Knife Edge Calipers, due to the nature of their design. Piccadilly Precision Engineering also stands as the only UK manufacturer of Roller Caliper Gauges, an advanced variant of the Knife Edge Caliper which incorporates free-moving threaded rollers to reduce wear on manufactured components and increased gauge life span.

Piccadilly Precision Engineering can manufacture a wide variety of Caliper Gauges to suit most recognised thread forms. Due to the nature of these products we advise you to speak to a member of our sales team to determine your specific requirements prior to quotation. However a general enquiry/request for quote can be raised via our 'request a quote' page.

Further to our Thread Inspection Caliper Gauges, Piccadilly Precision are also able to manufacture Plain Snap Gauge Calipers to suit customer requirements. These are typically supplied as adjustable 'c' type gauges featuring a cast iron frame with adjustable ground anvils in tool steel, however these can also be manufactured as solid non-adjustable variants.

TRI-ROLL THREAD COMPARATORS

High Accuracy External Thread Inspection



Piccadilly Precision Engineering prides itself on its Tri-Roll Thread Comparators. As the UK's only manufacturer of this High Accuracy Gauge, Piccadilly Precision Engineering is on hand to advise on their application and use.

Specifically aimed at Quality Critical component inspection and Mass Produced Externally Threaded components, Tri-Roll Thread Comparators provide the user with total gauging control.

Our Tri-Roll Thread Comparators enable the operator to accurately and repeatedly check the following features of external threads using standard Full Form Rollers:

- Effective (Pitch) Diameter
- Pitch
- Angle

PPE's Tri-Roll Comparators can also be used with Effective Form Rollers, Major Diameter Rollers & Minor Diameter Rollers. Each of which only inspect a single feature for greater control of measured values during inspection.

Tri-Roll Comparators can be used with Digital or Analogue Dial Indicators or Transducers for Statistical Process Control (SPC). As Standard, PPE will provide quotation for a standard analogue dial indicator unless an alternative is requested at time of enquiry.

To ensure the accurate set-up and use of our Tri-Roll Comparators it is essential that they are used in conjunction with a Setting Plug Master.

To help determine the correct Tri-Roll Machine Size and Ancillaries it is advised you contact a member of our sales team to discuss your needs. Please head to our contact page and send us an email or call our office to start your enquiry. If required, a member of our sales team may be able to arrange a site visit where they can review your needs at your facility and provide a demonstration of the system.

ADDITIONAL GAUGE SOLUTIONS

ROK-IT Gauges, Depth Gauges Etc.



Alongside our core products Piccadilly Precision Engineering is also able to offer additional standardised gauge solutions.

Common examples have been listed below, however we always welcome customer enquiries. So if you can't find what you're looking for please don't hesitate to give us a call or send us an email today.

Additional Gauge Types:

- Plate Gauges
- Slot/Width Gauges
- Depth Gauges (Barrel Flush Pin Types)
- ROK-IT Gauges (Spherical Gauges)
- Master Setting Discs & Rings
- Position Gauges
- Precision Machining/Location Mandrels

BESPOKE GAUGE SOLUTIONS

Custom Solutions to Order



Due to the complex nature of engineering, there are often many times when a standard method of gauging cannot be applied. In these instances manufacturers are often required to design and source custom/bespoke gauging solutions, often with varied results.

The expertise of our engineers at Piccadilly Precision Engineering ensures that from initial design concept through to final manufacture, our bespoke gauges will measure up to and exceed every expectation.

Due to the nature of our bespoke gauges, we ask that you contact us directly via email or phone with your initial enquiry and, if required, we will arrange follow up meetings to capture your requirements.

At the initial enquiry stage we ask that you supply us with all of the relevant information pertaining to the manufacture of a bespoke gauge solution including; Component Drawings, Current Concepts, Specifications & Technical Files.

SUB-CONTRACT THREAD GRINDING

Precision Sub-Con Thread Grinding



There are often occasions when a specialist product requires accurate threaded features, in these instances in-house manufacturing can often lead to undesirable results and costly rejected parts.

Piccadilly Precision Engineering is available to support our customers with our Sub-Contract Thread Grinding Services.

Offering quick turn-around and accuracy for precision ground threads, ask our sales team today for more information on our Sub-Contract Services.