

# YORKSHIRE PRECISION GAUGES



Yorkshire Precision Gauges Limited  
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# Company Background

- **50 Years experience in the Design & Manufacture of High Quality Precision Gauges.**
- **Quest for Consistent Manufacturing Accuracy**
- **Pride in Quality and Service:**
  - **Provide Total Customer Service consistently**
- **Our Product Offering:**
  - **Range of Standard and Made to Order Gauges.**
  - **New Innovative Ranges**
    - Bore Gauges
    - Customised Gauges
    - Special Digital Gauges
    - Special Automotive Gauges

# YPG

## BSI Registered Firm Since 1990



Certificate No Q 10496

# YPG

We are members of the following Associations



**Gauge & Toolmakers Association**



**American Measuring Tools Manufacturers Association**



**The Machine Tools Technologies Association**

# Reversible Wire Type Plug Gauge:

## Go & NoGO

**YPG offers a range of Plug Gauges:**

- **Material :**
  - Steel : Ceramic : Tungsten Carbide
- **Range :**
  - 0.008” - 0.765”
  - 0.20mm - 19.45mm
- **Standards :**
  - BS969:1982
- **EXPRESS DELIVERY**



# Split-Mate Concept:

- **Style:**
  - Reversible
  - Trilock
- **Single Ended Gauges**
  - Rapid Assembly
  - Accuracy,
  - Reduce Overall Wear
- **Mahogany Storage Case**
- **EXPRESS DELIVERY**



# Trilock Reversible Plug Gauge:

Go & NoGO

- **Material :**
  - Steel : Ceramic : Tungsten Carbide
- **Range :**
  - 2.510”- 6.51
  - 63.75mm- 165.00mm
- **Standards :**
  - BS969:1982
- **EXPRESS DELIVERY**





# Taperlock Plug Gauges:



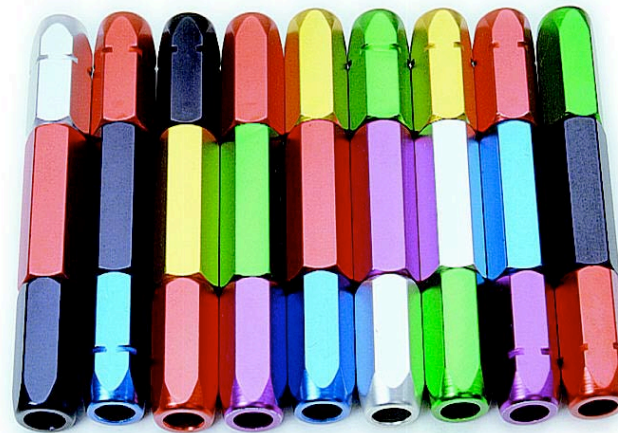
- **Produced Between Centers**
- **Tapered Shank**
- **Range:**
  - 0.105” - 2.510”
  - 2.70mm - 63.75mm
- **Special Needs**
  - Progressive / Concentricity Counter Bore
  - Non-Cylindrical Forms
- **EXPRESS DELIVERY**



# Plug Gauge - Non-Standard Requirements:

**YPG offers the following non-standard requirements for Plug Gauges:**

- Gauge Length
- Coloured Handles
- Extra Length Handles
- Laser Engraving
- Chromium Plating
- Depth Steps
- Air Release
- Pilot Entry
- Fine Tolerance Additions
- Quantity Discounts



# Tungsten Carbide and Ceramic

YPG offers the following carbide & ceramic plug gauges:

- **Range:**

- **TC : Wire Type**

- 0.040" - 0.765"
    - 1.00mm - 19.45mm

- **TC : Taperlock**

- 0.510" - 2.510"
    - 12.90mm - 63.75mm

- **Ceramic: Wire Type**

- 0.040" - 0.765"
    - 1.00mm - 19.45mm



# Flat Plug and Spherical Plate Gauges

- **F.T.P:**
  - **Reduced Weight Gauge**
  - **Large Diameters**
    - 1.5" - 6.5"
    - 38mm - 165mm
  - **Detects :**
    - Out of Round + Bore Straightness
  - **Large Gauge Surface Wear**
  - **Manufacturing Tolerance Range:**
    - 0.003mm - 0.006mm



# Spherical Plate Gauges:

- **To Check Diameter :**
  - 6.3mm - 305mm
- **Weight Advantage**
- **Indicates :**
  - Taper / Barreling / Out of Round Conditions
- **Easy Incerstion into Bore**



# Master Setting Discs

**YPG offers the following  
specifications for MSD's:**

- **Style 1 + 3**
  - **ANSI B47-1-1988**
- **Classes X XX XXX**
- **Insulating Handles**
- **UKAS Calibration**
- **Wooden Cabinets Available**



# Thread Measuring Cylinders



- **Mean Diameter:**
  - Within 0.001mm of nominal size
- **Eyelets for ULMs**
- **Calibration Certificate**
- **“P” Value**
- **Designation + Nominal Diameters to BS5590:1978**

# Spline Gauges

- **A Wide Range is available:**
  - Plug
  - Ring
  - Master Spline Gauges





# Adjustable Snap Gauges



- **American Standard**
  - ANSI B47- 1 - 1988
- **“Set” or “Open” Condition**
- **Option:**
  - Universal Snap Gauge Holder
  - C of C
  - UKAS
  - TC and Ceramic
  - **EXPRESS DELIVERY**

# Plate Gap Gauges

- **Alternative to ASG**
- **Simple + Foolproof**
- **Closer Tolerances**
- **Work Piece**  
**Tolerance:**

– 0.032mm or above



# Ring Gauges

**Plain Ring Gauges:**

**Material:**

**Steel : Tungsten Carbide : Ceramic**

**Range:**

**1.00mm – 305.05mm**

**0.040” – 12.010”**

**Either Go or NoGo**

**NoGo being identified by a  
circumferential groove.**



# Screw Gauges



- **Plug : Ring : Taper**
  - ISO metric BS3643
- **Class:**
  - Plug - 6H
  - Ring - 6g
  - Calipers - 6g
- **Combination:**
  - Go/Nogo
- **Chromium Plating Option**

# Gauge Sets:

- **Wire Type Plug Gauge:**

- Library of Gauge Sizes
- Manufacturing Tolerance
  - 0.00125mm (0.00005")
  - Lapped Finish 0.03um

- **Precision Pin Sets:**

- Manufacturing Tolerance
  - 0.003mm (0.0001")
  - Incremental Steps: 0.01+0.025mm
  - STOCK ITEM



# Gauge Sets

- **MIC Check Sets:**
  - BS870 Recommended
  - Chromium Plated
  - **UKAS** Calibration Certificate
  - Large Surface Area
    - Extended Useful Life
- **Calibrated Steel Roller**
  - Reference Diameters
  - External Tapers/ V Sections/ Grooves
  - **UKAS** Calibration Certificate



# Gauge Sets:

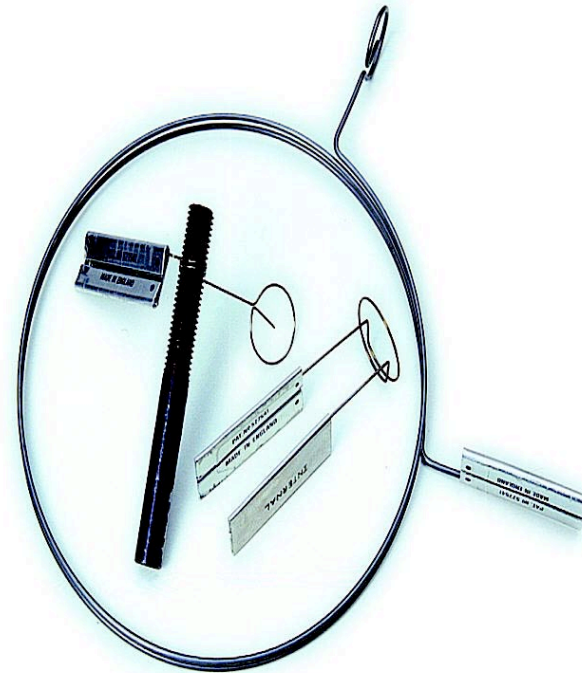
- **Precision Chrome Steel Balls:**
  - Internal Tapers
  - Internal Grooves
- **Sphericity Tolerance**
  - 0.0006mm
- **Diameter Tolerance**
  - $\pm 0.0025\text{mm}$
- **Diameter Variation**
  - 0.0025mm
- **Individual Balls are available**
- **YPG Calibration Certificate**





# Specialised Screw Gauges:

- **Helicoil Screw Plug Gauge:**
  - Check pre-insertion  
Tapered Holes
- **Thread Measuring Springs:**
  - Fast + Economical
  - In conjunction with  
micrometer
  - High/Low Limits Marked
- **IDEAL - Fast Check of  
THREAD BOLTS, STUDS -  
ETC**



# Setting Rings:



**Setting Rings are manufactured to:**

- BS4064 (metric)
- BS4065 (inch)

**& supplied with a UKAS Certificate of Calibration.**

- Marked with actual calibrated size.

**• Used for:**

- Reference Gauges

- Bore Measurement
- Comparative Measuring Instruments

- Available in Steel : Tungsten Carbide : Ceramic.

# Depth Gauges - Flush Pin:

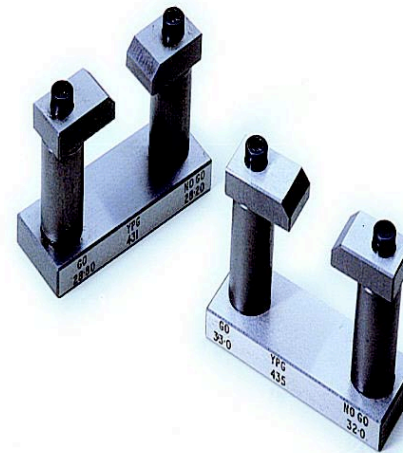
- **YPG offers a selection of depth gauges:**
  - Cone Depth Gauge
  - Bar Type Depth Gauge
  - Barrel Type Depth Gauge (plain)
  - Barrel Screw Depth Gauge



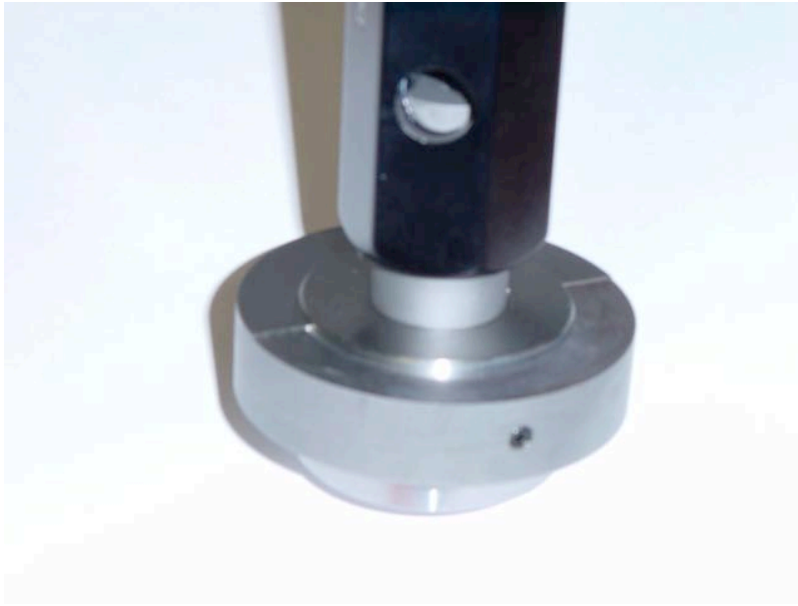
# Feeler, Height, Special Gauges:

## Manufactures BS969 Standard

- **Feeler Gauge:**
  - Simple Limit Check
  - Slot Widths etc
  - Production Environment
- **Platform Height Gauge:**
  - “Check” Overall Length of Small Turned Parts



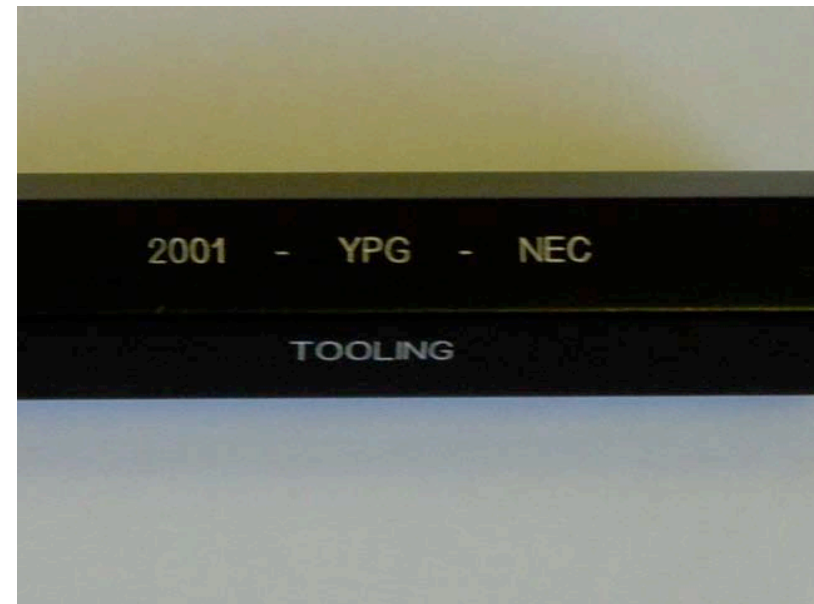
# Sub-Contact Services:



- **YPG'S Flexible General Purpose Machine Shop, enables production of the following:**
  - Small Batch Production
  - Final Grinding or Lapping
  - Laser Marking Facilities

# Laser Engraving:

- Handle Marking
- Gauge Identification
- Customized Identification



# Gauge Blocks:



**YPG** offers steel, tungsten carbide & ceramic gauge blocks, in the following grades

- **Grade:**

- K
- O
- 1
- 2



# Calibration Services:

YPG is fully certified to UKAS  
Calibration Standards.

## **Offering:**

- Full UKAS Certificate
- Size Only UKAS Certificate

## **YPG Certificate of Conformity:**

- State that the gauge is within the tolerance of the required standard.



0068

# Dial Indicators:

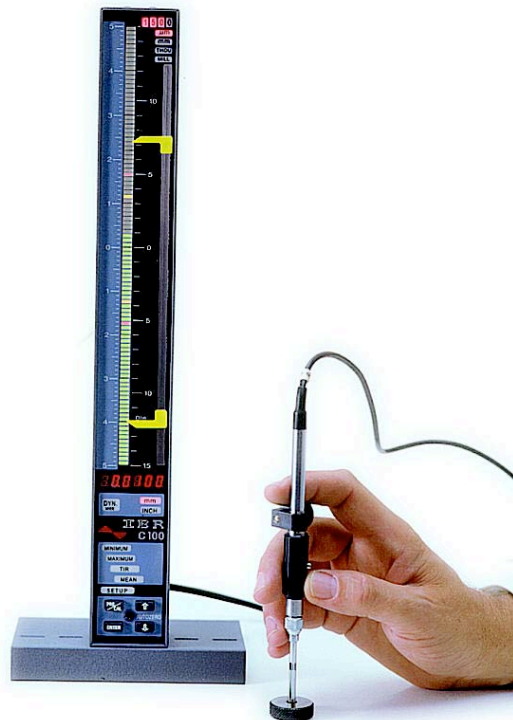
- **YPG's Comprehensive Range of Rambold Dial Indicators:**
  - Plunger Type Gauges
  - Lever Type Dial Test Indicators
  - Digital Indicators
  - Shore A Hardness Tester



# Bore Gauges : 1 to 1000mm

## Oskar Schwenk

- OSIMESS
- Split Bore Gauge:
  - 1 to 20mm diameter
  - Individual Probes



# Cylinder Bore Gauge

## Oskar Schwenk

- **SUBITO**
- **Standard Range:**
  - 200, 500, 750, 1000mm
- **Special Applications:**
  - Extra Deep Access Holes:  
12 m
  - Right Angle Measurement
  - Internal Gears or Spline
  - Spherical Diameters



# Series OD, Indicating Plug Gauge: Oskar Schwenk

- **Range:**
  - 2.5mm to 1000mm
- **Variants:**
  - Depth Steps
  - Deep Bore Extensions
  - Blind Bore
  - Chrome plated



# EXPRESS SERVICE

Any orders for the gauges listed below  
can be made through YPG's Unique  
***EXPRESS SERVICE.*** Orders need to  
be placed before 12 noon.

## Delivery Capability:

- **Same Day :**
  - Plug Gauge
    - Reversible
- **48 Hour :**
  - Plug Gauge:
    - Trilock
    - Taperlock
  - A.S.G
- **7 Days :**
  - TC and Ceramic

**Free Phone Number**  
**0800 590575**