

Product information

GAUGES

NEW

NEW GAUGE SERIES

Custom made gauges are available on request.

Class H7

To determine the fit of a shaft in a hole the gauge has Go/No-Go sides for testing minimum allowable dimensions.

LIMIT PLUG GAUGES H7 (for manufacturing)

LP Series $\phi 3\sim 40\text{mm}$

Additional larger sizes are available.



MATERIAL

- Gauge part : Alloy tool steel
- Handle part : Aluminum

SPECIFICATIONS

- Hardness HV660 ~ 780

CARBIDE LIMIT PLUG GAUGES H7 (for manufacturing)

TLP Series $\phi 10\sim 30\text{mm}$

Carbide gauge type for high durability and thermal-expansion resistance.



MATERIAL

- Gauge part : Carbide
- Handle part : Aluminum

FEATURES

- Excellent wear resistance for 20-30 times longer service life than steel.

CERAMIC LIMIT PLUG GAUGES H7 (for manufacturing)

CLP Series $\phi 10\sim 30\text{mm}$

Easy to use, economical!



MATERIAL

- Gauge part : Ceramics
- Handle part : Aluminum

FEATURES

- Material has coefficient of thermal expansion similar to steel.

Go/No-Go gauge for testing the fit of shaft in hole based on maximum and minimum allowable dimensions.

LIMIT STEP PLUG GAUGE Carbide / Ceramic $\phi 10\sim 30\text{mm}$

New design! Two gauges (Go/No-Go) at one side. No need to flip over.



FEATURES

- Go/No-Go gauge at one side. No need to flip over, work efficiency goes up.

LIMIT STEEL RING GAUGES h7 (with protective cover)

HKLR Series $\phi 5\sim 20\text{mm}$

Go/No-Go gauges paired by a protective cover. No risk of losing one, Easy to use.



MATERIAL

- Gauge part : Alloy tool steel
- Protective cover : Aluminum

STEEL PIN GAUGE SET AA series

SUB-ZERO Treatment (Cryogenic hardened)

JCSS Calibration available



FEATURES

- The most popular type. Long life use / Sub zero treatment
- Individual Pin Gauges are also available
- Custom made Pin Gauges are available on request
- Aluminum Pin Vise is included with AA-0A to AA-9B
- Pin Vise is included with AA-0E to AA-6F
- For above 1.000mm, the nominal size is marked on gauge

SPECIFICATIONS

Nominal Size (mm)	Length (mm)	Tolerance (μm)	Out of Roundness/Cylindricity (μm)	Hardness (HV)
0.05 ... 0.09	5~10	± 0.5	0.5	More than 650
0.10 ... 0.19				
0.200 ... 0.999				
1.000 ... 10.000	40	± 0.8	0.5	
10.01 ... 20.00				
20.01 ... 30.00				
30.01 ... 41.00				

STEEL RING GAUGE

SUB-ZERO Treatment (Cryogenic hardened) for improved durability

LAPPED FINISH

Use Ring Gauge as master gauge for "0" adjustment of measuring tools such as bore gauge, inside micrometer, dial caliper, etc.

SPECIFICATIONS

Size (mm)	Out of Roundness (μm)	Out of Cylindricity (μm)	Tolerance (μm)	Hardness (HV)
1 to less than 30	0.5	0.5	± 1.0	653
30 to less than 50	0.8	0.8	± 1.5	
50 to less than 60	1.0	1.0	± 2.0	772
60 to less than 80				
80 to less than 100				
100 to less than 200	2.0	2.0	± 5.0	



CARBIDE RING GAUGE

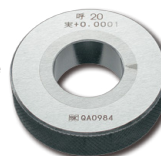
LAPPED FINISH

FEATURES

- Durable and long life
- Less likely to be damaged due to high hardness

SPECIFICATIONS

Size (mm)	Out of Roundness/Cylindricity (μm)	Tolerance (μm)
1 to less than 30	0.5	± 1
30 to less than 50	0.8	± 1.5



CERAMIC RING GAUGE

LAPPED FINISH

FEATURES

- Free from rust and corrosion, and easy maintenance
- Non-magnetic body

SPECIFICATIONS

Size (mm)	Step (mm)	Out of Roundness/Cylindricity (μm)	Tolerance (μm)
1 to less than 30	0.5 step	0.5	± 1
30 to less than 50		0.8	± 1.5



