



THREADING OUR WAY
TO EXCELLENCE

**PRODUCT
CATALOGUE**
2026

TRUTHREAB EUROPE



was established in 1982 and built world-class manufacturing and calibration facilities. Serving thousands of customers across more than thirty countries.



1 000+
clients



30+
countries



1982
since



TruThread® is a leading manufacturer of high-quality precision instruments, serving clients worldwide for over four decades. Our company is renowned for its exceptional quality and reliability, with a positive reputation and a commitment to providing tailored measurement solutions that meet the unique needs of each customer.

EUROPE LOCATION WAREHOUSE

In 2022, the subsidiary TruThread® Europe was established to reduce delivery times to Europe and promptly meet the needs of all European customers. The TruThread® Europe warehouse is located in Poland, in the city of Trzebnica, near Wrocław. The warehouse holds approximately 10,000 items in stock, ready for same-day shipping.



OUR COMMITMENT TO QUALITY IS SHOWN THROUGH OUR RIGOROUS ADHERENCE TO INTERNATIONAL STANDARDS

We are accredited for ISO 17025:2017, and our calibration certificates are globally recognized under the ILAC – Mutual Recognition Agreement (MRA). Additionally, our Quality Management System is ISO 9001:2015 certified by TÜV-SÜD.



ISO 17025:2017



ISO 9001:2015



ilac-MRA



TÜV-SÜD

Each of our TruThread® gauges has a FREE certificate that commits its quality. Scan the QR code and view our latest certificates.



MANUFACTURING PLANT

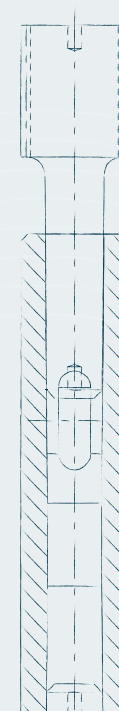
Our state-of-the-art manufacturing plant features advanced machine tools sourced from world leaders. Key sections include a climate-controlled thread grinding area, CNC technology for precise manufacturing, and dedicated sections for grinding and design.

At TruThread®, we are committed to sustainable practices. Our facilities use environmentally friendly heat treatment processes and solar energy, generating 108 KW of electricity through rooftop solar panels. We also practice rainwater harvesting to recharge underground water, contributing to reducing our carbon footprint.

All gauges undergo stress relieving, hardening, and double tempering to achieve 60-63 HRC hardness, ensuring their reliability and accuracy.

OUR PRODUCT RANGE COVERS ALMOST ALL TYPES OF THREAD PROFILES

- ISO Metric, Unified, BSW/BSF/Whis, BA, BS Cycle, BS Conduit
- Pipe Threads like G, Rp, Pg
- Acme, Stub Acme, Trapezoidal, Buttress, Saw Tooth
- Taper Threads like NPT, NPTF/PTF, PSPT, R/RC
- Gauges for Gas Cylinders & Valves used for storage and transportation of gas.
- Gauges as per various specifications of American Petroleum Institute (API)



PRODUCTS FOR THREAD GAUGING

At TruThread®, we offer a comprehensive range of thread gauging products designed to meet the highest standards of precision and reliability.

OUR PRODUCT PORTFOLIO INCLUDES:

THREAD PLUG GAUGES

USED FOR CHECKING INTERNAL THREADS.

Available in various sizes and configurations, including GO and NOGO ends for accurate measurement.

THREAD RING GAUGES

IDEAL FOR CHECKING EXTERNAL THREADS.

Manufactured as solid gauges for durability and accuracy.

CHECK PLUG GAUGES

FOR VERIFYING THE PRECISION OF NEW THREAD RING GAUGES.

GO and NOGO ends ensure compliance with specified tolerances.

WEAR CHECK PLUG GAUGES

USED FOR ASSESSING THE WEAR OF USED THREAD RINGS.

Designed to indicate when gauges exceed allowable wear limits.

CHECK RING GAUGES

EMPLOYED FOR CHECKING NEW THREAD PLUG GAUGES.

Ensure plug gauges are within tolerance by using GO and NOGO ends.

WEAR CHECK RING GAUGES

ASSESS THE WEAR OF USED THREAD PLUG GAUGES.

Designed to signal when gauges are undersized beyond the allowable limit.

DOUBLE LENGTH SETTING PLUGS

UTILIZED FOR SETTING ADJUSTABLE RINGS.

SETTING PLUGS

ESSENTIAL FOR CALIBRATING CALIPER GAUGES.

PLAIN PLUG GAUGES

USED TO CHECK THE MINOR DIAMETER OF INTERNAL THREADS.

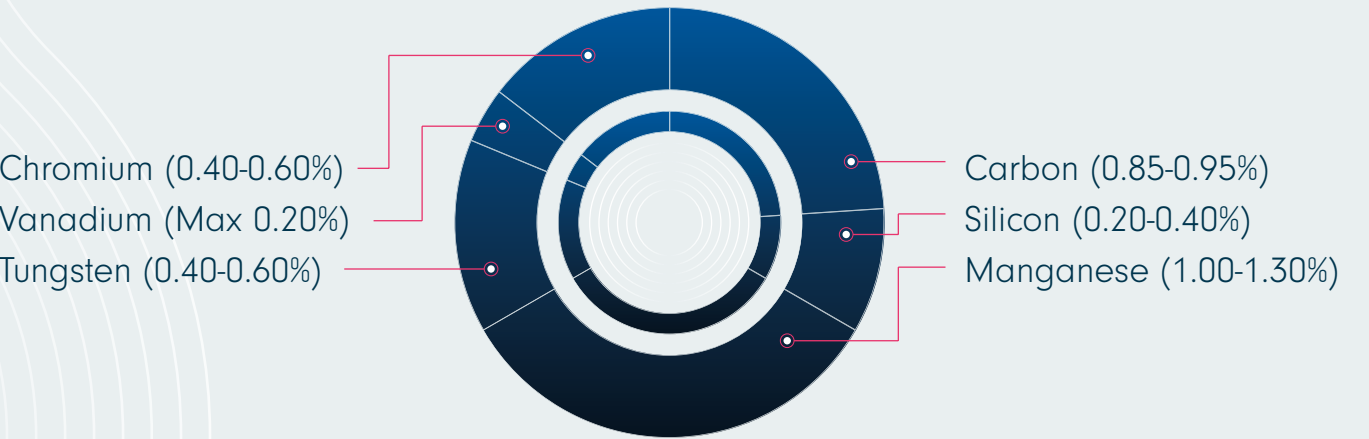
PLAIN RING GAUGES

USED TO VERIFY THE MAJOR DIAMETER OF EXTERNAL THREADS.

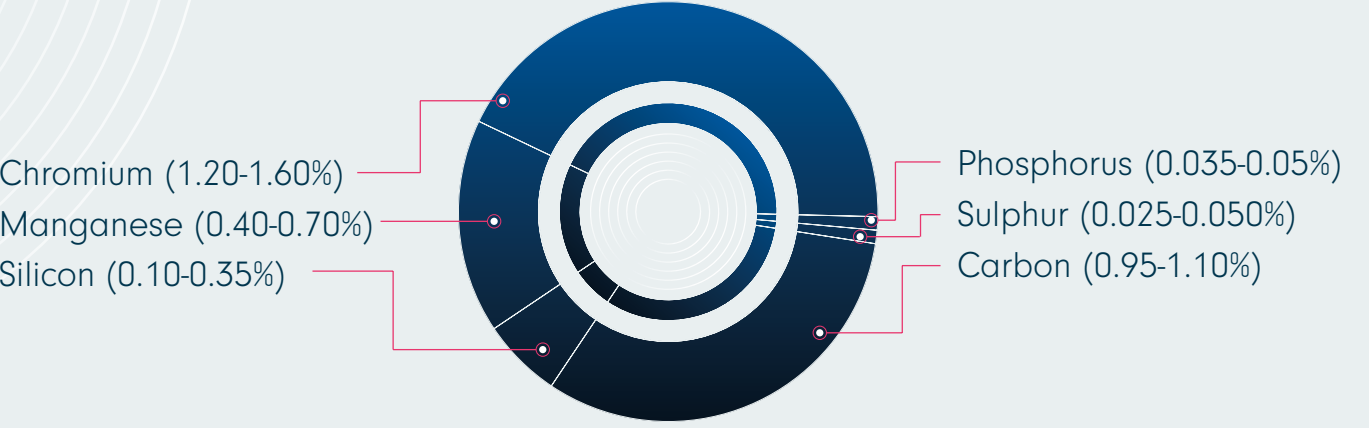
GAUGE MATERIALS

Our gauges are manufactured using high-quality materials and advanced heat treatment processes to ensure durability and precision.

AISI O-1 / 100 MNCR W4 / DIN 1.2510 TOOL STEEL



EN 31 / SAE 5210 / 100 CR6 / DIN 1.3505 TOOL STEEL



HEAT TREATMENT

PROCESS

Our in-house heat treatment facility employs environmentally friendly methods using controlled atmosphere electrical furnaces. The treatment includes stress relieving, pre-heating, soaking, austenitizing, oil quenching, and double tempering.

HARDNESS

All gauges are treated to achieve a hardness of 60-63 HRC.

MICROSTRUCTURE

Features uniformly distributed carbides in a matrix of tempered martensite, ensuring no banding of carbides and fine-sized carbides uniformly distributed throughout the structure.

UNDERSTANDING & BUILDING PRODUCT CODES

To assist our customers in accurately identifying and ordering products, we have standardized our product coding system.



By following this system, you can accurately identify and order the gauges you need. For any additional assistance, visit the product page or contact support.

HOW TO READ AND BUILD OUR PRODUCT CODES

PRODUCT PREFIX [A]

The code begins with a letter indicating the type of gauge.
P - Plug Gauges / R - Ring Gauges

TYPE OF GAUGE [BB]

Type of thread or gauge.
MI - Metric / PI - Plain / or other

Specific markings for each type can be found on the product page.

SIZE [CCCCC]

Diameter of the gauge.
M20 - 00020 / 1/4 in NPT - 00104 / or other

PITCH OR TPI [DDD]

Thread pitch or threads per inch.
1.5 pitch - 150 / 10 TPI - 010 / or other

If the gauge does not have a pitch or TPI, use 000.

TOLERANCE [EE]

Specifies the tolerance class.
Metrical - 6G / or other

Use 00 if tolerance is not specified by standards.

GAUGE FEATURE [F¹F²]

Specific features of the gauge.
First1 D - Double / B - Basic / or other
Second2 R - Right / L - Left

Second [F2] can be zero "0".
Every type of gauges has its ends.

CONTENTS

9 Set of gauges	110 Whitworth R-pipe
12 Metric M, MF	114 NGT
36 Metric MJ	120 Valve Fittings
42 Unified	124 Trapezoidal
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76 G-pipe	142 Setting rings
82 Pg-pipe	146 Snap
86 R-pipe	150 Measuring pins
92 NPT	158 Key Way Width
98 NPTF	162 Master (Check Gauges)
104 Whitworth	164 Special



SET OF GAUGES

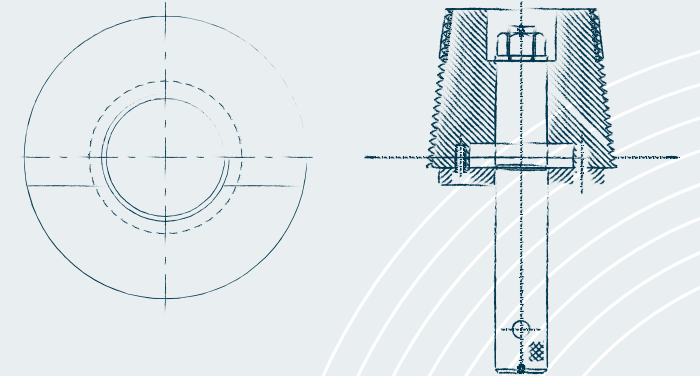


CHECK OUT

WE OFFER READY-TO-USE SETS OF

- Thread Ring gauges
- Thread Plug gauges
- Plain Plug gauges
- Plain Ring gauges

In the most popular sizes and types.



Each set is carefully packaged in a durable wooden box with soft padding and individual compartments, ensuring stable positioning and secure storage of every gauge.

ALL GAUGES COME WITH
A MANUFACTURER'S CERTIFICATE OF QUALITY



The content of these sets can be customized
for every type of thread from this catalog

METRIC GAUGES M, MF



APPLICATIONS

General purpose fastening in the metric system of units. Ensuring compatibility of threaded components in various industries, including automotive, aerospace, and machinery. Most commonly used threads.

Metric gauges are indispensable tools for measuring and controlling the dimensions of metric thread parts. ISO Metric Thread Gauges are precision instruments used to measure the pitch diameter, major diameter, and minor diameter of threads. They are the most popular and commonly used gauges.

M Gauge (Metric)

A standard metric thread gauge where "M" denotes "metric". For example, M6 corresponds to a thread with a 6 mm diameter. Commonly used in engineering and industrial applications.

MF Gauge (Metric Fine)

Similar to the M gauge but features a finer thread pitch for stronger connections under high loads.

SPECIFICATIONS

- ISO 965 Part 1, 2, 3 - 2013; ISO 1502 - 1996
- IS 14962 Part 1 - 2018, Part 2&3 - 2001
- IS 2334 - 2001
- DIN 13 - 1999
- JIS B 0205 & JIS B 0209; JIS B 0251 - 1998
- ANSI/ASME B 1.13M; ANSI/ASME B 1.16 M - 1984
- BS 3643 Part I & II - 2007
- BS 919 Part III - 2007

RANGE

Right-Hand (RH) and Left-Hand (LH) gauges for external and internal threads.

THREAD PLUG GAUGES

- Diameter range: 1.6 mm to 350 mm
- Pitches in mm: 0.35, 0.4, 0.45, 0.5, 0.6, 0.7, 0.75, 0.8, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6
- Custom pitches above 6 mm up to 12 mm can be supplied upon request

THREAD PLUG GAUGES

- Diameter range: 2 mm to 300 mm
- Pitches in mm: 0.4, 0.45, 0.5, 0.6, 0.7, 0.75, 0.8, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6
- Custom pitches above 6 mm up to 12 mm can be supplied upon request

PLAIN PLUGS TO CHECK MINOR DIAMETER OF INTERNAL THREADS

- Diameter range: 1.6 mm to 100 mm

PLAIN RINGS TO CHECK MAJOR DIAMETER OF EXTERNAL THREADS

- Diameter range: 2 mm to 100 mm

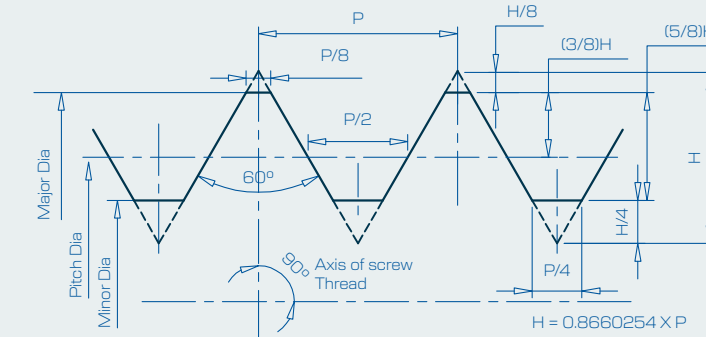
TOLERANCE

Include 6AZ/6AX for thread plugs and 6az for thread rings

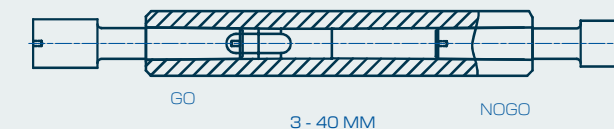
RECOMMENDED TOLERANCE CLASS:

6g for ring gauges and 6H for plug gauges.

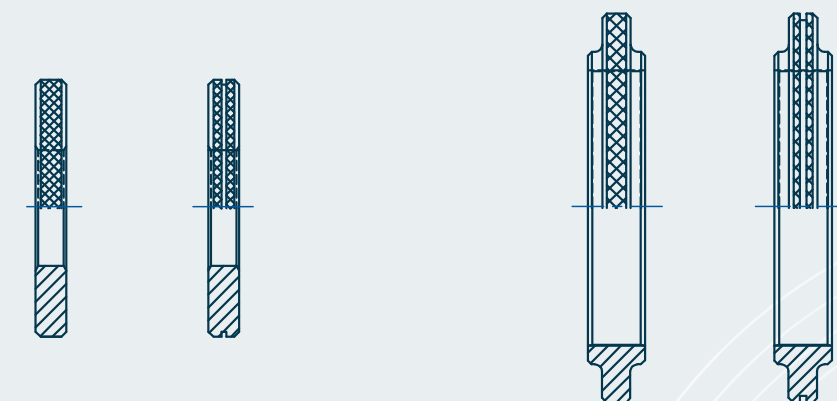
ISO METRIC THREAD PROFILE



THREAD PLUG GAUGES



THREAD RING GAUGES

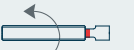


We can manufacture gauges with any tolerance according to ISO standards or upon customer request.

METRIC M PLUG GAUGES

Diameter	Pitch	Catalogue Code						
			GO & NOGO Plug 6H RH 6H DR	GO & NOGO Plug 6H LH 6H DL	GO & NOGO Plain Plug to check Minor Dia. 6H 6H DO	GO & NOGO Plug 6G RH 6G DR	GO & NOGO Plug 6G LH 6G DL	GO & NOGO Plain Plug to check Minor Dia. 6G 6G DO
M1,6	0,35	P MI 00016 035	✓	✓	✓	✓	✓	⚙
M1,8	0,35	P MI 00018 035	✓	✓	✓	✓	✓	⚙
M2	0,4	P MI 00002 040	✓	✓	✓	✓	✓	⚙
M2,2	0,45	P MI 00022 045	✓	✓	✓	✓	✓	⚙
M2,5	0,45	P MI 00025 045	✓	✓	✓	✓	✓	⚙
M3	0,5	P MI 00003 050	✓	✓	✓	✓	✓	⚙
M3,5	0,6	P MI 00035 060	✓	✓	✓	✓	✓	⚙
M4	0,7	P MI 00004 070	✓	✓	✓	✓	✓	⚙
M4,5	0,75	P MI 00045 075	✓	✓	✓	✓	✓	⚙
M5	0,8	P MI 00005 080	✓	✓	✓	✓	✓	⚙
M6	1,0	P MI 00006 100	✓	✓	✓	✓	✓	⚙
M7	1,0	P MI 00007 100	✓	✓	✓	✓	✓	⚙
M8	1,25	P MI 00008 125	✓	✓	✓	✓	✓	⚙
M9	1,25	P MI 00009 125	✓	✓	✓	✓	✓	⚙
M10	1,5	P MI 00010 150	✓	✓	✓	✓	✓	✓
M11	1,5	P MI 00011 150	✓	✓	✓	✓	✓	✓
M12	1,75	P MI 00012 175	✓	✓	✓	✓	✓	✓
M14	2,0	P MI 00014 200	✓	✓	✓	✓	✓	✓
M16	2,0	P MI 00016 200	✓	✓	✓	✓	✓	✓
M18	2,5	P MI 00018 250	✓	✓	✓	✓	✓	✓
M20	2,5	P MI 00020 250	✓	✓	✓	✓	✓	✓
M22	2,5	P MI 00022 250	✓	✓	✓	✓	✓	✓
M24	3,0	P MI 00024 300	✓	✓	✓	✓	✓	✓
M27	3,0	P MI 00027 300	✓	✓	✓	✓	✓	✓
M30	3,5	P MI 00030 350	✓	✓	✓	✓	✓	⚙
M33	3,5	P MI 00033 350	✓	✓	⚙	✓	✓	⚙
M36	4,0	P MI 00036 400	✓	✓	⚙	✓	✓	⚙
M39	4,0	P MI 00039 400	✓	✓	⚙	✓	✓	⚙
M42	4,5	P MI 00042 450	✓	✓	⚙	⚙	⚙	⚙
M45	4,5	P MI 00045 450	✓	✓	⚙	⚙	⚙	⚙
M48	5,0	P MI 00048 500	✓	✓	⚙	⚙	⚙	⚙

METRIC M PLUG GAUGES

Diameter	Pitch	Catalogue Code				
			GO Plug 6H RH 6H GR	NOGO Plug 6H RH 6H NR	GO Plug 6H LH 6H GL	NOGO Plug 6H LH 6H NL
M45	4,5	P MI 00045 450	✓	✓	✓	✓
M48	5,0	P MI 00048 500	✓	✓	✓	✓
M52	5,0	P MI 00052 500	✓	✓	✓	✓
M56	5,5	P MI 00056 550	✓	✓	✓	✓
M60	5,5	P MI 00060 550	✓	✓	✓	✓
M64	6,0	P MI 00064 600	✓	✓	✓	✓
M68	6,0	P MI 00068 600	✓	✓	✓	✓
M72	6,0	P MI 00072 600	✓	✓	✓	✓
M80	6,0	P MI 00080 600	✓	✓	✓	✓
M90	6,0	P MI 00090 600	✓	✓	✓	✓
M100	6,0	P MI 00100 600	✓	✓	✓	✓



✓ Available in stock ⚙ Manufactured against order ✗ Not applicable

All the sizes & tolerances specified in DIN/ISO are covered in our manufacturing program.

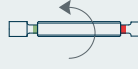
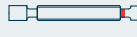
✓ Available in stock ⚙ Manufactured against order ✗ Not applicable

All the sizes & tolerances specified in DIN/ISO are covered in our manufacturing program.

METRIC MF PLUG GAUGES

Diameter	Pitch	Catalogue Code					
			GO & NOGO Plug 6H RH 6H DR	GO & NOGO Plug 6H LH 6H DL	GO & NOGO Plain Plug to check Minor Dia. 6H 6H DO	GO & NOGO Plug 6G RH 6G DR	GO & NOGO Plug 6G LH 6G DL
M2,5	0,35	P MI 00025 035	✓	✓	⚙	⚙	⚙
M3	0,35	P MI 00003 035	✓	✓	⚙	⚙	⚙
M3,5	0,35	P MI 00035 035	✓	⚙	⚙	⚙	⚙
M4	0,75	P MI 00004 075	✓	⚙	⚙	⚙	⚙
M4	0,5	P MI 00004 050	✓	✓	⚙	✓	⚙
M4,5	0,5	P MI 00045 050	✓	⚙	⚙	✓	⚙
M5	0,75	P MI 00005 075	✓	✓	⚙	✓	⚙
	0,5	P MI 00005 050	✓	✓	⚙	✓	⚙
M5,5	0,5	P MI 00055 050	✓	⚙	⚙	⚙	⚙
M6	0,75	P MI 00006 075	✓	✓	✓	✓	⚙
	0,5	P MI 00006 050	✓	⚙	⚙	⚙	⚙
M7	0,75	P MI 00007 075	✓	✓	⚙	✓	⚙
	0,5	P MI 00007 050	✓	✓	⚙	✓	⚙
M8	1,0	P MI 00008 100	✓	✓	✓	✓	✓
	0,75	P MI 00008 075	✓	✓	⚙	✓	⚙
	0,5	P MI 00008 050	✓	⚙	⚙	⚙	⚙
M9	1,0	P MI 00009 100	✓	✓	⚙	✓	⚙
	0,75	P MI 00009 075	✓	⚙	⚙	⚙	⚙
	0,5	P MI 00009 050	✓	✓	⚙	✓	⚙
M10	1,25	P MI 00010 125	✓	✓	✓	✓	✓
	1,0	P MI 00010 100	✓	✓	✓	✓	✓
	0,75	P MI 00010 075	✓	⚙	⚙	⚙	⚙
	0,5	P MI 00010 050	✓	⚙	⚙	⚙	⚙
M11	1,0	P MI 00011 100	✓	✓	⚙	✓	⚙
	0,75	P MI 00011 075	✓	⚙	⚙	⚙	⚙
M12	1,5	P MI 00012 150	✓	✓	✓	✓	✓
	1,25	P MI 00012 125	✓	✓	✓	✓	✓
	1,0	P MI 00012 100	✓	✓	⚙	✓	✓
	0,75	P MI 00012 075	✓	⚙	✓	⚙	⚙
	0,5	P MI 00012 050	✓	⚙	⚙	⚙	⚙
M14	1,5	P MI 00014 150	✓	✓	✓	✓	✓
	1,25	P MI 00014 125	✓	✓	✓	✓	✓
	1,0	P MI 00014 100	✓	✓	⚙	✓	✓
	0,75	P MI 00014 075	✓	⚙	⚙	⚙	⚙
M15	1,5	P MI 00015 150	✓	⚙	⚙	⚙	⚙
	1,0	P MI 00015 100	✓	✓	⚙	✓	⚙
M16	1,5	P MI 00016 150	✓	✓	✓	✓	✓
	1,25	P MI 00016 125	✓	✓	⚙	✓	✓

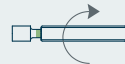
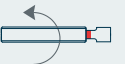
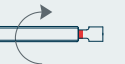
METRIC MF PLUG GAUGES

Diameter	Pitch	Catalogue Code				
			GO & NOGO Plug 6H RH 6H DR	GO & NOGO Plug 6H LH 6H DL	GO & NOGO Plain Plug to check Minor Dia. 6H 6H DO	GO & NOGO Plug 6G RH 6G DR
M16	1,0	P MI 00016 100	✓	✓	⚙	✓
	0,75	P MI 00016 075	✓	✓	⚙	✓
M17	1,5	P MI 00017 150	✓	⚙	⚙	⚙
	1,0	P MI 00017 100	✓	⚙	⚙	✓
M18	2,0	P MI 00018 200	✓	✓	⚙	✓
	1,5	P MI 00018 150	✓	✓	⚙	✓
	1,0	P MI 00018 100	✓	✓	⚙	✓
	0,75	P MI 00018 075	✓	⚙	⚙	⚙
M20	2,0	P MI 00020 200	✓	✓	✓	✓
	1,5	P MI 00020 150	✓	✓	✓	✓
	1,0	P MI 00020 100	✓	✓	✓	✓
	0,75	P MI 00020 075	✓	⚙	⚙	⚙
M22	2,0	P MI 00022 200	✓	✓	✓	✓
	1,5	P MI 00022 150	✓	✓	✓	✓
	1,0	P MI 00022 100	✓	✓	✓	✓
	0,75	P MI 00022 075	✓	⚙	⚙	⚙
M24	2,0	P MI 00024 200	✓	✓	✓	✓
	1,5	P MI 00024 150	✓	✓	✓	✓
	1,0	P MI 00024 100	✓	✓	⚙	✓
M25	2,0	P MI 00025 200	✓	⚙	⚙	⚙
	1,5	P MI 00025 150	✓	✓	⚙	✓
	1,0	P MI 00025 100	✓	✓	⚙	✓
M26	1,5	P MI 00026 150	✓	✓	⚙	⚙
	1,0	P MI 00026 100	✓	✓	⚙	✓
	0,75	P MI 00026 075	✓	⚙	⚙	⚙
M27	2,0	P MI 00027 200	✓	✓	⚙	✓
	1,5	P MI 00027 150	✓	✓	⚙	✓
	1,0	P MI 00027 100	✓	✓	⚙	✓
M28	2,0	P MI 00028 200	✓	✓	⚙	⚙
	1,5	P MI 00028 150	✓	✓	⚙	✓
	1,0	P MI 00028 100	✓	✓	⚙	✓
	0,75	P MI 00028 075	✓	⚙	⚙	⚙
M30	3,0	P MI 00030 300	✓	✓	⚙	✓
	2,0	P MI 00030 200	✓	✓	⚙	✓
	1,5	P MI 00030 150	✓	✓	⚙	✓
	1,0	P MI 00030 100	✓	✓	⚙	✓
M32	2,0	P MI 00032 200	✓	⚙	⚙	⚙
	1,5	P MI 00032 150	✓	✓	⚙	✓

METRIC MF PLUG GAUGES

Diameter	Pitch	Catalogue Code				
			GO & NOGO Plug 6H RH 6H DR	GO & NOGO Plug 6H LH 6H DL	GO & NOGO Plain Plug to check Minor Dia. 6H DO	GO & NOGO Plug 6G RH 6G DR
M32	1,0	P MI 00032 100	✓	✓	⚙	✓
M33	3,0	P MI 00033 300	✓	✓	⚙	✓
	2,0	P MI 00033 200	✓	✓	⚙	✓
	1,5	P MI 00033 150	✓	✓	⚙	✓
	1,0	P MI 00033 100	✓	✓	⚙	✓
M34	1,5	P MI 00034 150	✓	⚙	⚙	⚙
	1,0	P MI 00034 100	✓	⚙	⚙	⚙
M35	1,5	P MI 00035 150	✓	⚙	⚙	✓
	1,0	P MI 00035 100	✓	✓	⚙	✓
M36	3,0	P MI 00036 300	✓	✓	⚙	✓
	2,0	P MI 00036 200	✓	✓	⚙	✓
	1,5	P MI 00036 150	✓	✓	⚙	✓
	1,0	P MI 00036 100	✓	✓	⚙	✓
M38	1,5	P MI 00038 150	✓	✓	⚙	⚙
	1,0	P MI 00038 100	✓	✓	⚙	✓
M39	3,0	P MI 00039 300	✓	✓	⚙	✓
	2,0	P MI 00039 200	✓	✓	⚙	✓
	1,5	P MI 00039 150	✓	✓	⚙	✓
	1,0	P MI 00039 100	✓	⚙	⚙	⚙
M40	3,0	P MI 00040 300	⚙	⚙	⚙	⚙
	2,0	P MI 00040 200	✓	✓	⚙	✓
	1,5	P MI 00040 150	✓	✓	⚙	✓
	1,0	P MI 00040 100	✓	✓	⚙	✓
M42	4,0	P MI 00042 400	✓	⚙	⚙	✓
	3,0	P MI 00042 300	✓	⚙	⚙	✓
	2,0	P MI 00042 200	✓	⚙	⚙	✓
	1,5	P MI 00042 150	✓	✓	⚙	✓
	1,0	P MI 00042 100	✓	⚙	⚙	✓
M45	4,0	P MI 00045 400	✓	✓	⚙	✓
	3,0	P MI 00045 300	✓	✓	⚙	✓
	2,0	P MI 00045 200	✓	⚙	⚙	✓
	1,5	P MI 00045 150	✓	✓	⚙	✓
	1,0	P MI 00045 100	✓	⚙	⚙	✓
M48	4,0	P MI 00048 400	✓	⚙	⚙	✓
	3,0	P MI 00048 300	✓	⚙	⚙	✓
	2,0	P MI 00048 200	✓	⚙	⚙	✓
	1,5	P MI 00048 150	✓	✓	⚙	✓
	1,0	P MI 00048 100	✓	⚙	⚙	✓

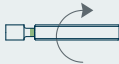
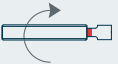
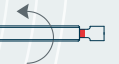
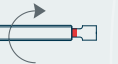
METRIC MF PLUG GAUGES

Diameter	Pitch	Catalogue Code						
			GO Plug 6H RH 6H GR	NOGO Plug 6H RH 6H NR	GO Plug 6H LH 6H GL	NOGO Plug 6H LH 6H NL	GO Plug 6G RH 6G GR	NOGO Plug 6G RH 6G NR
M48	4,0	P MI 00048 400	✓	✓	✓	✓	⚙	⚙
	3,0	P MI 00048 300	✓	✓	✓	✓	⚙	⚙
	2,0	P MI 00048 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	P MI 00048 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	P MI 00048 100	✓	✓	⚙	⚙	⚙	⚙
M50	3,0	P MI 00050 300	✓	✓	✓	✓	⚙	⚙
	2,0	P MI 00050 200	✓	✓	✓	✓	⚙	⚙
	1,5	P MI 00050 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	P MI 00050 100	✓	✓	⚙	⚙	⚙	⚙
M52	4,0	P MI 00052 400	✓	✓	✓	✓	⚙	⚙
	3,0	P MI 00052 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	P MI 00052 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	P MI 00052 150	✓	✓	⚙	⚙	⚙	⚙
M55	4,0	P MI 00055 400	✓	✓	✓	✓	⚙	⚙
	3,0	P MI 00055 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	P MI 00055 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	P MI 00055 150	✓	✓	⚙	⚙	⚙	⚙
M56	4,0	P MI 00056 400	✓	✓	⚙	⚙	⚙	⚙
	3,0	P MI 00056 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	P MI 00056 200	⚙	⚙	⚙	⚙	⚙	⚙
	1,5	P MI 00056 150	✓	✓	⚙	⚙	⚙	⚙
M58	4,0	P MI 00058 400	✓	✓	⚙	⚙	⚙	⚙
	3,0	P MI 00058 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	P MI 00058 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	P MI 00058 150	✓	✓	⚙	⚙	⚙	⚙
M60	4,0	P MI 00060 400	✓	✓	⚙	⚙	⚙	⚙
	3,0	P MI 00060 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	P MI 00060 200	✓	✓	✓	✓	⚙	⚙
	1,5	P MI 00060 150	✓	✓	⚙	⚙	⚙	⚙
M62	4,0	P MI 00062 400	✓	✓	✓	✓	⚙	⚙
	3,0	P MI 00062 300	✓	✓	✓	✓	⚙	⚙
	2,0	P MI 00062 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	P MI 00062 150	✓	✓	⚙	⚙	⚙	⚙

✓ Available in stock ⚙ Manufactured against order ✕ Not applicable

All the sizes & tolerances specified in DIN/ISO are covered in our manufacturing program.

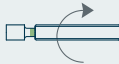
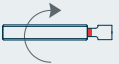
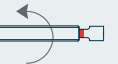
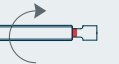
METRIC MF PLUG GAUGES

Diameter	Pitch	Catalogue Code						
			GO Plug 6H RH 6H GR	NOGO Plug 6H RH 6H NR	GO Plug 6H LH 6H GL	NOGO Plug 6H LH 6H NL	GO Plug 6G RH 6G GR	NOGO Plug 6G RH 6G NR
M64	4,0	P MI 00064 400	✓	✓	⊗	⊗	⊗	⊗
	3,0	P MI 00064 300	✓	✓	✓	✓	⊗	⊗
	2,0	P MI 00064 200	✓	✓	✓	✓	⊗	⊗
	1,5	P MI 00064 150	✓	✓	⊗	⊗	⊗	⊗
M65	4,0	P MI 00065 400	⊗	⊗	⊗	⊗	⊗	⊗
	3,0	P MI 00065 300	✓	✓	✓	✓	⊗	⊗
	2,0	P MI 00065 200	✓	✓	⊗	⊗	⊗	⊗
	1,5	P MI 00065 150	✓	✓	⊗	⊗	⊗	⊗
M68	4,0	P MI 00068 400	✓	✓	⊗	⊗	⊗	⊗
	3,0	P MI 00068 300	✓	✓	✓	✓	⊗	⊗
	2,0	P MI 00068 200	✓	✓	⊗	⊗	⊗	⊗
	1,5	P MI 00068 150	✓	✓	⊗	⊗	⊗	⊗
M70	4,0	P MI 00070 600	✓	✓	⊗	⊗	⊗	⊗
	3,0	P MI 00070 400	✓	✓	⊗	⊗	⊗	⊗
	2,0	P MI 00070 300	✓	✓	⊗	⊗	⊗	⊗
	1,5	P MI 00070 200	✓	✓	⊗	⊗	⊗	⊗
M72	4,0	P MI 00070 150	✓	✓	⊗	⊗	⊗	⊗
	3,0	P MI 00072 600	✓	✓	⊗	⊗	⊗	⊗
	2,0	P MI 00072 400	✓	✓	⊗	⊗	⊗	⊗
	1,5	P MI 00072 300	✓	✓	⊗	⊗	⊗	⊗
M75	6,0	P MI 00072 200	✓	✓	⊗	⊗	⊗	⊗
	4,0	P MI 00072 150	✓	✓	⊗	⊗	⊗	⊗
	3,0	P MI 00075 400	✓	✓	⊗	⊗	⊗	⊗
	2,0	P MI 00075 300	✓	✓	✓	✓	⊗	⊗
M76	1,5	P MI 00075 200	✓	✓	⊗	⊗	⊗	⊗
	6,0	P MI 00075 150	✓	✓	⊗	⊗	⊗	⊗
	4,0	P MI 00076 600	✓	✓	⊗	⊗	⊗	⊗
	3,0	P MI 00076 400	✓	✓	⊗	⊗	⊗	⊗
M78	2,0	P MI 00076 300	✓	✓	⊗	⊗	⊗	⊗
	1,5	P MI 00076 200	✓	✓	⊗	⊗	⊗	⊗
	4,0	P MI 00076 150	✓	✓	⊗	⊗	⊗	⊗
	3,0	P MI 00078 300	✓	✓	⊗	⊗	⊗	⊗
	2,0	P MI 00078 200	✓	✓	⊗	⊗	⊗	⊗
	1,5	P MI 00078 150	✓	✓	⊗	⊗	⊗	⊗

✓ Available in stock ⊗ Manufactured against order ✗ Not applicable

All the sizes & tolerances specified in DIN/ISO are covered in our manufacturing program.

METRIC MF PLUG GAUGES

Diameter	Pitch	Catalogue Code						
			GO Plug 6H RH 6H GR	NOGO Plug 6H RH 6H NR	GO Plug 6H LH 6H GL	NOGO Plug 6H LH 6H NL	GO Plug 6G RH 6G GR	NOGO Plug 6G RH 6G NR
M80	6	P MI 00080 600	✓	✓	✓	✓	⊗	⊗
	4	P MI 00080 400	✓	✓	✓	✓	⊗	⊗
	3	P MI 00080 300	✓	✓	⊗	⊗	⊗	⊗
	2	P MI 00080 200	✓	✓	⊗	⊗	⊗	⊗
M82	1,5	P MI 00080 150	✓	✓	⊗	⊗	⊗	⊗
	4	P MI 00082 400	✓	✓	✓	✓	⊗	⊗
	3	P MI 00082 300	✓	✓	✓	✓	⊗	⊗
	2	P MI 00082 200	✓	✓	⊗	⊗	⊗	⊗
M85	1,5	P MI 00082 150	⊗	⊗	⊗	⊗	⊗	⊗
	6	P MI 00085 600	✓	✓	✓	✓	⊗	⊗
	4	P MI 00085 400	✓	✓	⊗	⊗	⊗	⊗
	3	P MI 00085 300	✓	✓	⊗	⊗	⊗	⊗
M88	2	P MI 00085 200	✓	✓	⊗	⊗	⊗	⊗
	1	P MI 00085 100	✓	✓	✓	✓	⊗	⊗
	1,5	P MI 00085 150	✓	✓	⊗	⊗	⊗	⊗
	1,5	P MI 00088 150	✓	✓	⊗	⊗	⊗	⊗
M90	1	P MI 00088 100	✓	✓	⊗	⊗	⊗	⊗
	6	P MI 00090 600	✓	✓	⊗	⊗	⊗	⊗
	4	P MI 00090 400	✓	✓	⊗	⊗	⊗	⊗
	3	P MI 00090 300	✓	✓	⊗	⊗	⊗	⊗
M95	2	P MI 00090 200	✓	✓	⊗	⊗	⊗	⊗
	1,5	P MI 00090 150	✓	✓	⊗	⊗	⊗	⊗
	6	P MI 00095 600	✓	✓	⊗	⊗	⊗	⊗
	4	P MI 00095 400	✓	✓	⊗	⊗	⊗	⊗
M100	3	P MI 00095 300	✓	✓	⊗	⊗	⊗	⊗
	2	P MI 00095 200	✓	✓	⊗	⊗	⊗	⊗
	1,5	P MI 00095 150	✓	✓	⊗	⊗	⊗	⊗
	6	P MI 00100 600	✓	✓	✓	✓	⊗	⊗
	4	P MI 00100 400	✓	✓	⊗	⊗	⊗	⊗
	3	P MI 00100 300	✓	✓	⊗	⊗	⊗	⊗
	2	P MI 00100 200	✓	✓	⊗	⊗	⊗	⊗
	1,5	P MI 00100 150	✓	✓	⊗	⊗	⊗	⊗

✓ Available in stock ⊗ Manufactured against order ✗ Not applicable

All the sizes & tolerances specified in DIN/ISO are covered in our manufacturing program.

METRIC M RING
GAUGES - RIGHT

Diameter	Pitch	Catalogue Code						
			GO Ring 6g RH 6G GR	NOGO Ring 6g RH 6G NR	GO Ring 6e RH 6E GR	NOGO Ring 6e RH 6E NR	GO Ring 6h RH 6H GR	NOGO Ring 6h RH 6H NR
M1,6	0,35	R MI 00016 035	✓	✓	⚙	⚙	⚙	⚙
M1,8	0,35	R MI 00018 035	✓	✓	⚙	⚙	⚙	⚙
M2	0,4	R MI 00002 040	✓	✓	⚙	⚙	⚙	⚙
M2,2	0,45	R MI 00022 045	✓	✓	⚙	⚙	⚙	⚙
M2,5	0,45	R MI 00025 045	✓	✓	⚙	⚙	⚙	⚙
M2,6	0,45	R MI 00026 045	⚙	⚙	⚙	⚙	⚙	⚙
M3	0,5	R MI 00003 050	✓	✓	✓	✓	✓	✓
M3,5	0,6	R MI 00035 060	✓	✓	✓	✓	✓	✓
M4	0,7	R MI 00004 070	✓	✓	✓	✓	✓	✓
M4,5	0,75	R MI 00045 075	✓	✓	✓	✓	✓	✓
M5	0,8	R MI 00005 080	✓	✓	✓	✓	✓	✓
M6	1,0	R MI 00006 100	✓	✓	✓	✓	✓	✓
M7	1,0	R MI 00007 100	✓	✓	✓	✓	✓	✓
M8	1,25	R MI 00008 125	✓	✓	✓	✓	✓	✓
M9	1,25	R MI 00009 125	✓	✓	✓	✓	✓	✓
M10	1,5	R MI 00010 150	✓	✓	✓	✓	✓	✓
M11	1,5	R MI 00011 150	✓	✓	✓	✓	✓	✓
M12	1,75	R MI 00012 175	✓	✓	✓	✓	✓	✓
M14	2,0	R MI 00014 200	✓	✓	✓	✓	✓	✓
M16	2,0	R MI 00016 200	✓	✓	✓	✓	✓	✓
M18	2,5	R MI 00018 250	✓	✓	✓	✓	✓	✓
M20	2,5	R MI 00020 250	✓	✓	✓	✓	✓	✓
M22	2,5	R MI 00022 250	✓	✓	✓	✓	✓	✓
M24	3,0	R MI 00024 300	✓	✓	✓	✓	✓	✓
M27	3,0	R MI 00027 300	✓	✓	✓	✓	✓	✓
M30	3,5	R MI 00030 350	✓	✓	⚙	⚙	⚙	⚙
M33	3,5	R MI 00033 350	✓	✓	⚙	⚙	⚙	⚙
M36	4,0	R MI 00036 400	✓	✓	⚙	⚙	⚙	⚙
M39	4,0	R MI 00039 400	✓	✓	⚙	⚙	⚙	⚙
M42	4,5	R MI 00042 450	✓	✓	⚙	⚙	⚙	⚙
M45	4,5	R MI 00045 450	✓	✓	⚙	⚙	⚙	⚙
M48	5,0	R MI 00048 500	✓	✓	⚙	⚙	⚙	⚙
M52	5,0	R MI 00052 500	✓	✓	⚙	⚙	⚙	⚙
M56	5,5	R MI 00056 550	✓	✓	⚙	⚙	⚙	⚙
M60	5,5	R MI 00060 550	✓	✓	⚙	⚙	⚙	⚙
M64	6,0	R MI 00064 600	✓	✓	⚙	⚙	⚙	⚙
M68	6,0	R MI 00068 600	✓	✓	⚙	⚙	⚙	⚙

METRIC M RING
GAUGES - LEFT

Diameter	Pitch	Catalogue Code				
			GO Ring 6g LH 6G GL	NOGO Ring 6g LH 6G NL	GO Ring 6h LH 6H GL	NOGO Ring 6h LH 6H NL
M1,6	0,35	R MI 00016 035	✓	✓	⚙	⚙
M1,8	0,35	R MI 00018 035	✓	✓	⚙	⚙
M2	0,4	R MI 00002 040	✓	✓	⚙	⚙
M2,2	0,45	R MI 00022 045	✓	✓	⚙	⚙
M2,5	0,45	R MI 00025 045	✓	✓	⚙	⚙
M2,6	0,45	R MI 00026 045	⚙	⚙	⚙	⚙
M3	0,5	R MI 00003 050	✓	✓	✓	✓
M3,5	0,6	R MI 00035 060	✓	✓	⚙	⚙
M4	0,7	R MI 00004 070	✓	✓	✓	✓
M4,5	0,75	R MI 00045 075	✓	✓	⚙	⚙
M5	0,8	R MI 00005 080	✓	✓	✓	✓
M6	1,0	R MI 00006 100	✓	✓	✓	✓
M7	1,0	R MI 00007 100	✓	✓	⚙	⚙
M8	1,25	R MI 00008 125	✓	✓	✓	✓
M9	1,25	R MI 00009 125	✓	✓	✓	✓
M10	1,5	R MI 00010 150	✓	✓	⚙	⚙
M11	1,5	R MI 00011 150	✓	✓	⚙	⚙
M12	1,75	R MI 00012 175	✓	✓	✓	✓
M14	2,0	R MI 00014 200	✓	✓	✓	✓
M16	2,0	R MI 00016 200	✓	✓	✓	✓
M18	2,5	R MI 00018 250	✓	✓	✓	✓
M20	2,5	R MI 00020 250	✓	✓	⚙	⚙
M22	2,5	R MI 00022 250	✓	✓	⚙	⚙
M24	3,0	R MI 00024 300	✓	✓	⚙	⚙
M27	3,0	R MI 00027 300	✓	✓	⚙	⚙
M30	3,5	R MI 00030 350	✓	✓	⚙	⚙
M33	3,5	R MI 00033 350	✓	✓	⚙	⚙
M36	4,0	R MI 00036 400	✓	✓	⚙	⚙
M39	4,0	R MI 00039 400	✓	✓	⚙	⚙
M42	4,5	R MI 00042 450	✓	✓	⚙	⚙
M45	4,5	R MI 00045 450	✓	✓	⚙	⚙
M48	5,0	R MI 00048 500	✓	✓	⚙	⚙
M52	5,0	R MI 00052 500	✓	✓	⚙	⚙
M56	5,5	R MI 00056 550	✓	✓	⚙	⚙
M60	5,5	R MI 00060 550	✓	✓	⚙	⚙
M64	6,0	R MI 00064 600	✓	✓	⚙	⚙
M68	6,0	R MI 00068 600	✓	✓	⚙	⚙

METRIC MF RING
GAUGES - RIGHT

Diameter	Pitch	Catalogue Code						
			GO Ring 6g RH 6G GR	NOGO Ring 6g RH 6G NR	GO Ring 6e RH 6E GR	NOGO Ring 6e RH 6E NR	GO Ring 6h RH 6H GR	NOGO Ring 6h RH 6H NR
M3	0,35	R MI 00003 035	✓	✓	⚙	⚙	⚙	⚙
M3,5	0,35	R MI 00035 035	⚙	⚙	⚙	⚙	⚙	⚙
	0,5	R MI 00035 050	✓	✓	⚙	⚙	⚙	⚙
M4	0,5	R MI 00004 050	✓	✓	✓	✓	✓	✓
M4,5	0,5	R MI 00045 050	✓	✓	⚙	⚙	⚙	⚙
M5	0,75	R MI 00005 075	✓	✓	⚙	⚙	⚙	⚙
	0,5	R MI 00005 050	✓	✓	⚙	⚙	⚙	⚙
M5,5	0,75	R MI 00005 075	✓	✓	⚙	⚙	⚙	⚙
M6	0,75	R MI 00006 075	✓	✓	⚙	⚙	⚙	⚙
	0,5	R MI 00006 050	✓	✓	⚙	⚙	⚙	⚙
M7	0,75	R MI 00007 075	✓	✓	⚙	⚙	⚙	⚙
	0,5	R MI 00007 050	✓	✓	⚙	⚙	⚙	⚙
M8	1,0	R MI 00008 100	✓	✓	✓	✓	✓	✓
	0,75	R MI 00008 075	✓	✓	⚙	⚙	⚙	⚙
	0,5	R MI 00008 050	✓	✓	⚙	⚙	⚙	⚙
M9	1,0	R MI 00009 100	✓	✓	⚙	⚙	⚙	⚙
	0,75	R MI 00009 075	✓	✓	⚙	⚙	⚙	⚙
	0,5	R MI 00009 050	✓	✓	⚙	⚙	⚙	⚙
M10	1,25	R MI 00010 125	✓	✓	✓	✓	✓	✓
	1,0	R MI 00010 100	✓	✓	✓	✓	✓	✓
	0,75	R MI 00010 075	✓	✓	⚙	⚙	⚙	⚙
	0,5	R MI 00010 050	✓	✓	⚙	⚙	⚙	⚙
M11	1,0	R MI 00011 100	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00011 150	✓	✓	⚙	⚙	⚙	⚙
	0,75	R MI 00011 075	✓	✓	⚙	⚙	⚙	⚙
M12	1,5	R MI 00012 150	✓	✓	✓	✓	✓	✓
	1,25	R MI 00012 125	✓	✓	✓	✓	✓	✓
	1,0	R MI 00012 100	✓	✓	✓	✓	✓	✓
	0,75	R MI 00012 075	✓	✓	⚙	⚙	⚙	⚙
	0,5	R MI 00012 050	✓	✓	⚙	⚙	⚙	⚙
M14	1,5	R MI 00014 150	✓	✓	✓	✓	✓	✓
	1,25	R MI 00014 125	✓	✓	✓	✓	✓	✓
	1,0	R MI 00014 100	✓	✓	✓	✓	✓	✓
	0,75	R MI 00014 075	✓	✓	⚙	⚙	⚙	⚙
M15	1,5	R MI 00015 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00015 100	✓	✓	⚙	⚙	⚙	⚙
M16	1,5	R MI 00016 150	✓	✓	✓	✓	✓	✓
	1,25	R MI 00016 125	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00016 100	✓	✓	⚙	⚙	⚙	⚙
	0,75	R MI 00016 075	✓	✓	⚙	⚙	⚙	⚙

METRIC MF RING
GAUGES - LEFT

Diameter	Pitch	Catalogue Code						
			GO Ring 6g LH 6G GL	NOGO Ring 6g LH 6G NL	GO Ring 6e LH 6E GL	NOGO Ring 6e LH 6E NL	GO Ring 6h LH 6H GL	NOGO Ring 6h LH 6H NL
M3	0,35	R MI 00003 035	✓	✓	⚙	⚙	⚙	⚙
M3,5	0,75	R MI 00035 075	⚙	⚙	⚙	⚙	⚙	⚙
	0,35	R MI 00004 035	✓	✓	⚙	⚙	⚙	⚙
M4	0,5	R MI 00004 050	✓	✓	⚙	⚙	⚙	⚙
M4,5	0,5	R MI 00045 050	⚙	⚙	⚙	⚙	⚙	⚙
M5	0,75	R MI 00005 075	✓	✓	⚙	⚙	⚙	⚙
	0,5	R MI 00005 050	⚙	⚙	⚙	⚙	⚙	⚙
M5,5	0,5	R MI 00055 050	✓	✓	⚙	⚙	⚙	⚙
M6	0,75	R MI 00006 075	✓	✓	⚙	⚙	⚙	⚙
	0,5	R MI 00006 050	✓	✓	⚙	⚙	⚙	⚙
M7	0,75	R MI 00007 075	✓	✓	⚙	⚙	⚙	⚙
	0,5	R MI 00007 050	⚙	⚙	⚙	⚙	⚙	⚙
M8	1,0	R MI 00008 100	✓	✓	✓	✓	✓	✓
	0,75	R MI 00008 075	✓	✓	⚙	⚙	⚙	⚙
	0,5	R MI 00008 050	✓	✓	⚙	⚙	⚙	⚙
M9	1,0	R MI 00009 100	✓	✓	⚙	⚙	⚙	⚙
	0,75	R MI 00009 075	✓	✓	✓	✓	✓	✓
	0,5	R MI 00009 050	✓	✓	⚙	⚙	⚙	⚙
M10	1,25	R MI 00010 125	✓	✓	✓	✓	✓	✓
	1,0	R MI 00010 100	✓	✓	✓	✓	⚙	⚙
	0,75	R MI 00010 075	✓	✓	⚙	⚙	⚙	⚙
	0,5	R MI 00010 050	✓	✓	⚙	⚙	⚙	⚙
M11	1,0	R MI 00011 100	✓	✓	⚙	⚙	⚙	⚙
	0,75	R MI 00011 075	⚙	⚙	⚙	⚙	⚙	⚙
M12	1,5	R MI 00012 150	✓	✓	✓	✓	✓	✓
	1,25	R MI 00012 125	✓	✓	✓	✓	✓	✓
	1,0	R MI 00012 100	✓	✓	⚙	⚙	⚙	⚙
	0,75	R MI 00012 075	⚙	⚙	⚙	⚙	⚙	⚙
	0,5	R MI 00012 050	⚙	⚙	⚙	⚙	⚙	⚙
M14	1,5	R MI 00014 150	✓	✓	✓	✓	✓	✓
	1,25	R MI 00014 125	✓	✓	✓	✓	✓	✓
	1,0	R MI 00014 100	✓	✓	⚙	⚙	⚙	⚙
	0,75	R MI 00014 075	✓	✓	⚙	⚙	⚙	⚙
M15	1,5	R MI 00015 150	⚙	⚙	⚙	⚙	⚙	⚙
	1,0	R MI 00015 100	✓	✓	⚙	⚙	⚙	⚙
M16	1,5	R MI 00016 150	✓	✓	⚙	⚙	⚙	⚙
	1,25	R MI 00016 125	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00016 100	✓	✓	⚙	⚙	⚙	⚙
	0,75	R MI 00016 075	⚙	⚙	⚙	⚙	⚙	⚙

METRIC MF RING
GAUGES - RIGHT

Diameter	Pitch	Catalogue Code						
			GO Ring 6g RH 6G GR	NOGO Ring 6g RH 6G NR	GO Ring 6e RH 6E GR	NOGO Ring 6e RH 6E NR	GO Ring 6h RH 6H GR	NOGO Ring 6h RH 6H NR
M16	0,75	R MI 00016 075	✓	✓	⚙	⚙	✓	✓
M17	1,5	R MI 00017 150	✓	✓	⚙	⚙	✓	✓
	1,0	R MI 00017 100	✓	✓	⚙	⚙	⚙	⚙
M18	2,0	R MI 00018 200	✓	✓	✓	✓	✓	✓
	1,5	R MI 00018 150	✓	✓	✓	✓	✓	✓
	1,0	R MI 00018 100	✓	✓	✓	✓	✓	✓
	0,75	R MI 00018 075	✓	✓	⚙	⚙	⚙	⚙
M20	2,0	R MI 00020 200	✓	✓	✓	✓	✓	✓
	1,5	R MI 00020 150	✓	✓	✓	✓	✓	✓
	1,0	R MI 00020 100	✓	✓	✓	✓	✓	✓
	0,75	R MI 00020 075	✓	✓	⚙	⚙	⚙	⚙
M22	2,0	R MI 00022 200	✓	✓	✓	✓	✓	✓
	1,5	R MI 00022 150	✓	✓	✓	✓	✓	✓
	1,0	R MI 00022 100	✓	✓	✓	✓	✓	✓
	0,75	R MI 00022 075	✓	✓	⚙	⚙	⚙	⚙
M24	2,0	R MI 00024 200	✓	✓	✓	✓	✓	✓
	1,5	R MI 00024 150	✓	✓	✓	✓	✓	✓
	1,0	R MI 00024 100	✓	✓	✓	✓	✓	✓
M25	2,0	R MI 00025 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00025 150	✓	✓	✓	✓	✓	✓
	1,0	R MI 00025 100	✓	✓	✓	✓	✓	✓
M26	1,5	R MI 00026 150	✓	✓	⚙	⚙	✓	✓
	1,0	R MI 00026 100	✓	✓	✓	✓	⚙	⚙
	0,75	R MI 00026 075	✓	✓	⚙	⚙	⚙	⚙
M27	2,0	R MI 00027 200	✓	✓	⚙	⚙	✓	✓
	1,5	R MI 00027 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00027 100	✓	✓	⚙	⚙	⚙	⚙
M28	2,0	R MI 00028 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00028 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00028 100	✓	✓	⚙	⚙	⚙	⚙
	0,75	R MI 00028 075	✓	✓	⚙	⚙	⚙	⚙
M30	3,0	R MI 00030 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	R MI 00030 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00030 150	✓	✓	✓	✓	⚙	⚙
	1,0	R MI 00030 100	✓	✓	⚙	⚙	⚙	⚙
M32	2,0	R MI 00032 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00032 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00032 100	✓	✓	⚙	⚙	⚙	⚙

METRIC MF RING
GAUGES - LEFT

Diameter	Pitch	Catalogue Code						
			GO Ring 6g LH 6G GL	NOGO Ring 6g LH 6G NL	GO Ring 6e LH 6E GL	NOGO Ring 6e LH 6E NL	GO Ring 6h LH 6H GL	NOGO Ring 6h LH 6H NL
M16	0,75	R MI 00016 075	✓	✓	⚙	⚙	⚙	⚙
M17	1,5	R MI 00017 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00017 100	✓	✓	⚙	⚙	⚙	⚙
M18	2,0	R MI 00018 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00018 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00018 100	✓	✓	⚙	⚙	⚙	⚙
	0,75	R MI 00018 075	✓	✓	⚙	⚙	⚙	⚙
M20	2,0	R MI 00020 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00020 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00020 100	✓	✓	⚙	⚙	⚙	⚙
	0,75	R MI 00020 075	✓	✓	⚙	⚙	⚙	⚙
M22	2,0	R MI 00022 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00022 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00022 100	✓	✓	⚙	⚙	⚙	⚙
	0,75	R MI 00022 075	✓	✓	⚙	⚙	⚙	⚙
M24	2,0	R MI 00024 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00024 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00024 100	✓	✓	⚙	⚙	⚙	⚙
M25	2,0	R MI 00025 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00025 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00025 100	✓	✓	⚙	⚙	⚙	⚙
M26	1,5	R MI 00026 150	⚙	⚙	⚙	⚙	⚙	⚙
	1,0	R MI 00026 100	✓	✓	⚙	⚙	⚙	⚙
	0,75	R MI 00026 075	⚙	⚙	⚙	⚙	⚙	⚙
M27	2,0	R MI 00027 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00027 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00027 100	✓	✓	⚙	⚙	⚙	⚙
M28	2,0	R MI 00028 200	⚙	⚙	⚙	⚙	⚙	⚙
	1,5	R MI 00028 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00028 100	✓	✓	⚙	⚙	⚙	⚙
	0,75	R MI 00028 075	⚙	⚙	⚙	⚙	⚙	⚙
M30	3,0	R MI 00030 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	R MI 00030 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00030 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00030 100	✓	✓	⚙	⚙	⚙	⚙
M32	2,0	R MI 00032 200	⚙	⚙	⚙	⚙	⚙	⚙
	1,5	R MI 00032 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00032 100	✓	✓	⚙	⚙	⚙	⚙

METRIC MF RING
GAUGES - RIGHT

Diameter	Pitch	Catalogue Code						
			GO Ring 6g RH 6G GR	NOGO Ring 6g RH 6G NR	GO Ring 6e RH 6E GR	NOGO Ring 6e RH 6E NR	GO Ring 6h RH 6H GR	NOGO Ring 6h RH 6H NR
M33	3,0	R MI 00033 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	R MI 00033 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00033 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00033 100	✓	✓	⚙	⚙	⚙	⚙
M34	1,5	R MI 00034 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00034 100	✓	✓	⚙	⚙	⚙	⚙
M35	1,5	R MI 00035 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00035 100	✓	✓	⚙	⚙	⚙	⚙
M36	3,0	R MI 00036 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	R MI 00036 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00036 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00036 100	✓	✓	⚙	⚙	⚙	⚙
M38	1,5	R MI 00038 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00038 100	✓	✓	⚙	⚙	⚙	⚙
M39	3,0	R MI 00039 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	R MI 00039 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00039 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00039 100	✓	✓	⚙	⚙	⚙	⚙
M40	3,0	R MI 00040 300	⚙	⚙	⚙	⚙	⚙	⚙
	2,0	R MI 00040 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00040 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00040 100	✓	✓	⚙	⚙	⚙	⚙

✓ Available in stock ⚙ Manufactured against order ✕ Not applicable

All the sizes & tolerances specified in DIN/ISO are covered in our manufacturing program.

METRIC MF RING
GAUGES - LEFT

Diameter	Pitch	Catalogue Code						
			GO Ring 6g LH 6G GL	NOGO Ring 6g LH 6G NL	GO Ring 6e LH 6E GL	NOGO Ring 6e LH 6E NL	GO Ring 6h LH 6H GL	NOGO Ring 6h LH 6H NL
M33	3,0	R MI 00033 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	R MI 00033 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00033 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00033 100	⚙	⚙	⚙	⚙	⚙	⚙
M34	1,5	R MI 00034 150	⚙	⚙	⚙	⚙	⚙	⚙
	1,0	R MI 00034 100	⚙	⚙	⚙	⚙	⚙	⚙
M35	1,5	R MI 00035 150	⚙	⚙	⚙	⚙	⚙	⚙
	1,0	R MI 00035 100	✓	✓	⚙	⚙	⚙	⚙
M36	3,0	R MI 00036 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	R MI 00036 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00036 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00036 100	✓	✓	⚙	⚙	⚙	⚙
M38	1,5	R MI 00038 150	⚙	⚙	⚙	⚙	⚙	⚙
	1,0	R MI 00038 100	✓	✓	⚙	⚙	⚙	⚙
M39	3,0	R MI 00039 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	R MI 00039 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00039 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00039 100	✓	✓	⚙	⚙	⚙	⚙
M40	3,0	R MI 00040 300	⚙	⚙	⚙	⚙	⚙	⚙
	2,0	R MI 00040 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00040 150	✓	✓	⚙	⚙	⚙	⚙
	1,0	R MI 00040 100	✓	✓	⚙	⚙	⚙	⚙

✓ Available in stock ⚙ Manufactured against order ✕ Not applicable

All the sizes & tolerances specified in DIN/ISO are covered in our manufacturing program.

METRIC MF RING
GAUGES

Diameter	Pitch	Catalogue Code						
			GO Ring 6g RH 6G GR	NOGO Ring 6g RH 6G NR	GO Ring 6h RH 6H GR	NOGO Ring 6h RH 6H NR	GO Ring 6g LH 6G GL	NOGO Ring 6g LH 6G NL
M42	4,0	R MI 00042 400	✓	✓	⚙	⚙	⚙	⚙
	3,0	R MI 00042 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	R MI 00042 200	✓	✓	⚙	⚙	✓	✓
	1,5	R MI 00042 150	✓	✓	⚙	⚙	✓	✓
M45	4,0	R MI 00045 400	✓	✓	⚙	⚙	⚙	⚙
	3,0	R MI 00045 300	✓	✓	⚙	⚙	✓	✓
	2,0	R MI 00045 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R M I00045 150	✓	✓	⚙	⚙	✓	✓
M48	4,0	R MI 00048 400	✓	✓	⚙	⚙	✓	✓
	3,0	R MI 00048 300	✓	✓	⚙	⚙	✓	✓
	2,0	R MI 00048 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00048 150	✓	✓	⚙	⚙	⚙	⚙
M50	4,0	R MI 00050 400	✓	✓	⚙	⚙	⚙	⚙
	3,0	R MI 00050 300	✓	✓	⚙	⚙	✓	✓
	2,0	R MI 00050 200	✓	✓	⚙	⚙	✓	✓
	1,5	R MI 00050 150	✓	✓	⚙	⚙	✓	✓
M52	4,0	R MI 00052 400	✓	✓	⚙	⚙	⚙	⚙
	3,0	R MI 00052 300	✓	✓	⚙	⚙	✓	✓
	2,0	R MI 00052 200	✓	✓	⚙	⚙	✓	✓
	1,5	R MI 00052 150	✓	✓	⚙	⚙	⚙	⚙
M55	4,0	R MI 00055 400	✓	✓	⚙	⚙	⚙	⚙
	3,0	R MI 00055 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	R MI 00055 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00055 150	✓	✓	⚙	⚙	⚙	⚙
M56	4,0	R MI 00056 400	✓	✓	⚙	⚙	⚙	⚙
	3,0	R MI 00056 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	R MI 00056 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00056 150	✓	✓	⚙	⚙	⚙	⚙
M58	4,0	R MI 00058 400	⚙	⚙	⚙	⚙	⚙	⚙
	3,0	R MI 00058 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	R MI 00058 200	✓	✓	⚙	⚙	⚙	⚙
	1,5	R MI 00058 150	✓	✓	⚙	⚙	⚙	⚙
M60	4,0	R MI 00060 400	✓	✓	⚙	⚙	⚙	⚙
	3,0	R MI 00060 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	R MI 00060 200	✓	✓	✓	✓	✓	✓

METRIC MF RING
GAUGES

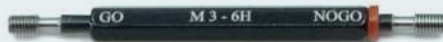
Diameter	Pitch	Catalogue Code						
			GO Ring 6g RH 6G GR	NOGO Ring 6g RH 6G NR	GO Ring 6h RH 6H GR	NOGO Ring 6h RH 6H NR	GO Ring 6g LH 6G GL	NOGO Ring 6g LH 6G NL
M60	1,5	R MI 00060 150	✓	✓	⚙	⚙	⚙	⚙
M62	4,0	R MI 00062 400	✓	✓	⚙	⚙	⚙	⚙
	3,0	R MI 00062 300	✓	✓	⚙	⚙	✓	✓
	2,0	R MI 00062 200	✓	✓	⚙	⚙	✓	✓
M64	4,0	R MI 00064 400	✓	✓	⚙	⚙	⚙	⚙
	3,0	R MI 00064 300	✓	✓	⚙	⚙	✓	✓
	2,0	R MI 00064 200	✓	✓	⚙	⚙	⚙	⚙
M65	4,0	R MI 00065 400	✓	✓	✓	✓	✓	✓
	3,0	R MI 00065 300	✓	✓	⚙	⚙	✓	✓
	2,0	R MI 00065 200	✓	✓	⚙	⚙	✓	✓
M68	4,0	R MI 00068 400	✓	✓	⚙	⚙	⚙	⚙
	3,0	R MI 00068 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	R MI 00068 200	✓	✓	⚙	⚙	⚙	⚙
M70	6,0	R MI 00070 600	✓	✓	⚙	⚙	✓	✓
	4,0	R MI 00070 400	✓	✓	⚙	⚙	⚙	⚙
	3,0	R MI 00070 300	✓	✓	⚙	⚙	⚙	⚙
M72	6,0	R MI 00072 600	✓	✓	⚙	⚙	⚙	⚙
	4,0	R MI 00072 400	✓	✓	⚙	⚙	⚙	⚙
	3,0	R MI 00072 300	✓	✓	⚙	⚙	⚙	⚙
M75	4,0	R MI 00075 400	✓	✓	⚙	⚙	⚙	⚙
	3,0	R MI 00075 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	R MI 00075 200	✓	✓	⚙	⚙	⚙	⚙
M76	6,0	R MI 00076 600	✓	✓	⚙	⚙	⚙	⚙
	4,0	R MI 00076 400	✓	✓	⚙	⚙	⚙	⚙
	3,0	R MI 00076 300	✓	✓	⚙	⚙	⚙	⚙
M78	3,0	R MI 00078 300	✓	✓	⚙	⚙	⚙	⚙
	2,0	R MI 00078 200	✓	✓	✓	✓	✓	✓

METRIC MF RING
GAUGES

Diameter	Pitch	Catalogue Code				
			GO Ring 6g RH 6G GR	NOGO Ring 6g RH 6G NR	GO Ring 6g LH 6G GL	NOGO Ring 6g LH 6G NL
M78	1,5	R MI 00078 100	✓	✓	✖	✖
	1	R MI 00078 150	✓	✓	✖	✖
M80	6	R MI 00080 600	✓	✓	✖	✖
	4	R MI 00080 400	✓	✓	✓	✓
	3	R MI 00080 300	✓	✓	✓	✓
	2	R MI 00080 200	✓	✓	✖	✖
M82	1,5	R MI 00080 150	✓	✓	✖	✖
	3	R MI 00082 300	✓	✓	✓	✓
	2	R MI 00082 200	✓	✓	✖	✖
M85	1,5	R MI 00082 150	✓	✓	✓	✓
	6	R MI 00085 600	✓	✓	✓	✓
	4	R MI 00085 400	✓	✓	✓	✓
	3	R MI 00085 300	✓	✓	✓	✓
M90	2	R MI 00085 200	✓	✓	✖	✖
	1,5	R MI 00085 150	✓	✓	✖	✖
	6	R MI 00090 600	✓	✓	✖	✖
	4	R MI 00090 400	✓	✓	✖	✖
M95	3	R MI 00090 300	✓	✓	✓	✓
	2	R MI 00090 200	✓	✓	✓	✓
	1,5	R MI 00090 150	✓	✓	✖	✖
	6	R MI 00095 600	✓	✓	✖	✖
M100	4	R MI 00095 400	✓	✓	✓	✓
	3	R MI 00095 300	✓	✓	✓	✓
	2	R MI 00095 200	✓	✓	✖	✖
	1,5	R MI 00095 150	✓	✓	✖	✖
M100	6	R MI 00100 600	✓	✓	✖	✖
	4	R MI 00100 400	✓	✓	✖	✖
	3	R MI 00100 300	✓	✓	✖	✖
	2	R MI 00100 200	✓	✓	✖	✖
M100	1,5	R MI 00100 150	✓	✓	✖	✖

✓ Available in stock ✖ Manufactured against order ✖ Not applicable

All the sizes & tolerances specified in DIN/ISO are covered in our manufacturing program.



METRIC GAUGES MJ



APPLICATIONS

Used in the aerospace industry where high-precision metric threads are essential for safety and performance. For manufacturing and maintenance of aeronautical equipment to ensure thread conformity and reliability.

MJ Threads are specially designed for use in the aeronautical industry within the metric system. These threads feature specific profiles for both internal and external threads, ensuring high precision and reliability in aerospace applications.

MJ Gauge (Metric Precision)

Designed with a rounded root on the external thread ("J") for enhanced accuracy. Ideal for high-precision applications and critical connections.

SPECIFICATIONS

- ISO 5855 - Part I, II, III - 1999
- ISO 10959 - 2016
- ANSI B 1.21M - 1997
- ANSI B 1.22M - 1985

RANGE

- Right-Hand (RH) and Left-Hand (LH) gauges for external and internal threads
- Plain Plugs to check minor diameter of internal threads as per the above diameter range
- Plain Rings to check major diameter of external threads as per the above diameter range
- Check Plug gauges
- Wear Check Plug gauges
- Check Ring gauges

SIZE

- Thread Plug gauges: 1.6 mm to 90 mm
- Thread Ring gauges: 2 mm to 90 mm

TOLERANCE

PLUG GAUGES

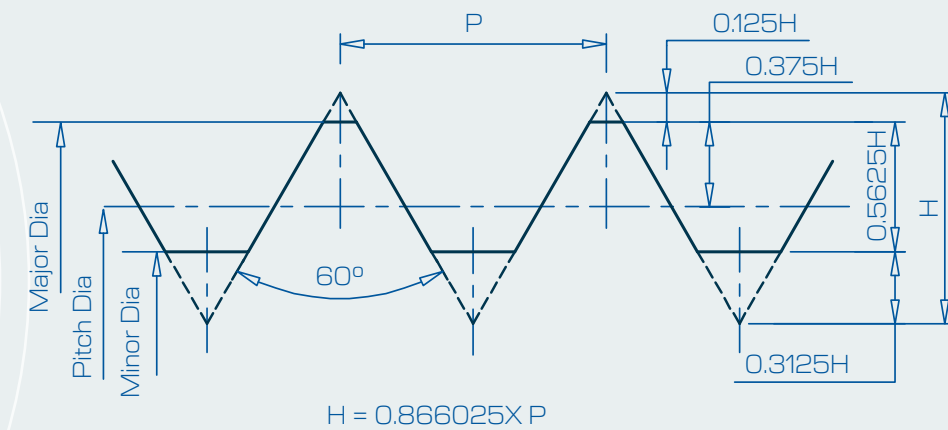
- 4g6g if pitch is 2 mm or smaller
- 4h6h if pitch is more than 2 mm

RING GAUGES

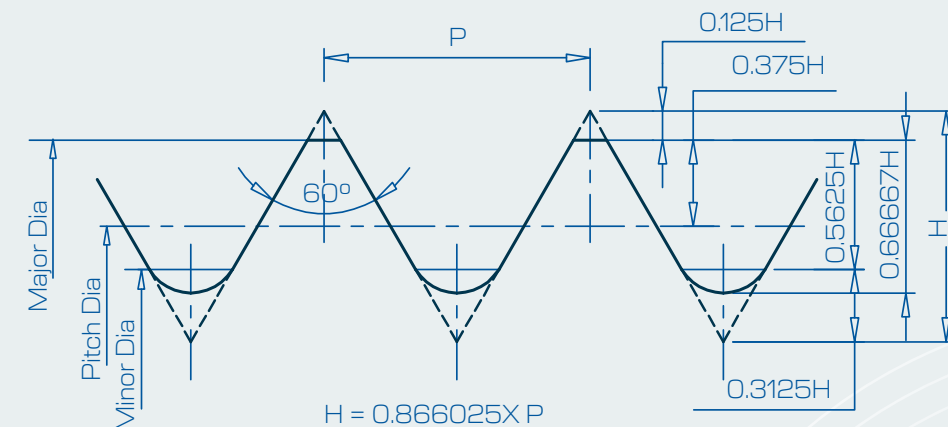
- 4G6G if pitch is 2 mm or smaller
- 4H6H if pitch is more than 2 mm

Custom designs and specifications are available upon request to meet specific customer needs.

MJ INTERNAL THREAD PROFILE



MJ EXTERNAL THREAD PROFILE



METRIC MJ PLUG GAUGES



GO & NOGO Thread Plug
4H6H RH 6H DR 4H5H RH 5H DR

Diameter	Pitch	Catalogue Code	4H6H RH 6H DR	4H5H RH 5H DR
MJ3	0,5	P MJ 00003 050	✓	⚙
MJ3,5	0,6	P MJ 00035 060	⚙	✗
MJ4	0,7	P MJ 00004 070	✓	✗
MJ4,5	0,75	P MJ 00045 075	⚙	✗
MJ5	0,8	P MJ 00005 080	✓	✗
MJ6	1	P MJ 00006 100	⚙	✓
	0,75	P MJ 00006 075	✗	✓
MJ7	1	P MJ 00007 100	✗	✓
MJ8	1,25	P MJ 00008 125	✗	✓
	1	P MJ 00008 100	✗	✓
MJ9	1,25	P MJ 00009 125	✗	✓
	1	P MJ 00009 100	✗	✓
MJ10	1,5	P MJ 00010 150	✗	✓
	1,25	P MJ 00010 125	✗	✓
	1	P MJ 00010 100	✗	✓
MJ12	1,75	P MJ 00012 175	✗	✓
MJ14	2	P MJ 00014 200	✗	✓
	1,5	P MJ 00014 150	✗	⚙
	1,25	P MJ 00014 125	✗	✓
	1	P MJ 00014 100	✗	✓
MJ16	2	P MJ 00016 200	✗	✓
	1,5	P MJ 00016 150	✗	✓
	1,25	P MJ 00016 125	✗	✓
	1	P MJ 00016 100	✗	✓
MJ18	2,5	P MJ 00018 250	✗	✓
	2	P MJ 00018 200	✗	✓
	1,5	P MJ 00018 150	✗	✓
MJ20	2,5	P MJ 00020 250	✗	✓
	2	P MJ 00020 200	✗	✓
	1,5	P MJ 00020 150	✗	✓
MJ22	2,5	P MJ 00022 250	✗	⚙
	2	P MJ 00022 200	✗	⚙
	1,5	P MJ 00022 150	✗	⚙
MJ24	3	P MJ 00024 300	✗	⚙
	2	P MJ 00024 200	✗	⚙
	1,5	P MJ 00024 150	✗	⚙

✓ Available in stock ⚙ Manufactured against order ✗ Not applicable
All the sizes & tolerances specified in DIN/ISO are covered in our manufacturing program.

METRIC MJ RING GAUGES



GO Ring
4h6h RH 6H GR



NOGO Ring
4h6h RH 6H NR

Diameter	Pitch	Catalogue Code	4h6h RH 6H GR	4h6h RH 6H NR
MJ3	0,5	R MJ 00003 050	✓	✓
MJ3,5	0,6	R MJ 00035 060	⚙	⚙
MJ4	0,7	R MJ 00004 070	✓	✓
MJ4,5	0,75	R MJ 00045 075	⚙	⚙
MJ5	0,8	R MJ 00005 080	✓	✓
MJ6	1	R MJ 00006 100	✓	✓
	0,75	R MJ 00006 075	✓	✓
MJ7	1	R MJ 00007 100	✓	✓
MJ8	1,25	R MJ 00008 125	✓	✓
	1	R MJ 00008 100	✓	✓
MJ9	1,25	R MJ 00009 125	✓	✓
	1	R MJ 00009 100	✓	✓
MJ10	1,5	R MJ 00010 150	✓	✓
	1,25	R MJ 00010 125	✓	✓
	1	R MJ 00010 100	✓	✓
MJ12	1,75	R MJ 00012 175	✓	✓
MJ14	2	R MJ 00014 200	✓	✓
	1,5	R MJ 00014 150	✓	✓
	1,25	R MJ 00014 125	✓	✓
	1	R MJ 00014 100	✓	✓
MJ16	2	R MJ 00016 200	✓	✓
	1,5	R MJ 00016 150	✓	✓
	1,25	R MJ 00016 125	✓	✓
	1	R MJ 00016 100	✓	✓
MJ18	2,5	R MJ 00018 250	✓	✓
	2	R MJ 00018 200	✓	✓
	1,5	R MJ 00018 150	✓	✓
MJ20	2,5	R MJ 00020 250	✓	✓
	2	R MJ 00020 200	✓	✓
	1,5	R MJ 00020 150	✓	✓
MJ22	2,5	R MJ 00022 250	✓	✓
	2	R MJ 00022 200	⚙	⚙
	1,5	R MJ 00022 150	⚙	⚙
MJ24	3	R MJ 00024 300	⚙	⚙
	2	R MJ 00024 200	⚙	⚙
	1,5	R MJ 00024 150	⚙	⚙
MJ25	3	R MJ 00025 300	⚙	⚙
	1,5	R MJ 00025 150	⚙	⚙

✓ Available in stock ⚙ Manufactured against order ✗ Not applicable
All the sizes & tolerances specified in DIN/ISO are covered in our manufacturing program.

UNIFIED GAUGES UN, UNC, UNF, UNEF, UNS



APPLICATIONS

Used for checking internal and external threads in general-purpose fastening systems applications for the imperial system of units. They are suitable for quick assembly, medium fit, and precision applications requiring closer tolerances.

Unified gauges are essential tools designed for precision thread measurement in imperial systems. These gauges ensure accurate gauging of threads for a wide range of fastening applications.

UN (Unified Constant Pitch)

Threads with consistent TPI (Threads Per Inch) across various diameters, including common series like 8, 12, and 16 TPI. Often used for specialized applications.

UNC (Unified National Coarse)

Designed for general-purpose applications with coarse thread pitches, providing strong and durable threads that are easier to assemble and less prone to stripping.

UNF (Unified National Fine)

Features finer thread pitches, offering greater tensile strength and precision, ideal for applications requiring tighter fits and resistance to loosening due to vibration.

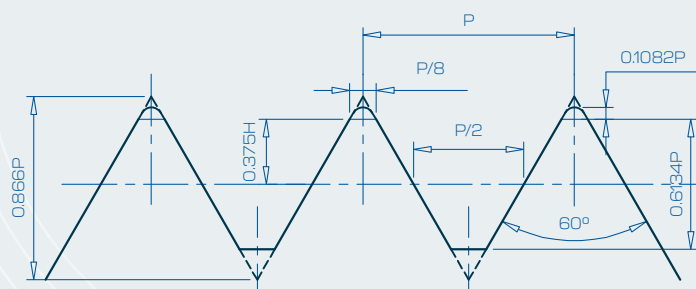
UNEF (Unified National Extra Fine)

Utilized for extremely fine threads in applications demanding high precision and limited thread engagement, such as thin-walled materials.

UNS (Unified National Special)

Custom threads that deviate from standard UNC, UNF, or UNEF configurations, tailored for specific applications not covered by general thread series. Often applied for diameters above 6 inches or unique combinations of diameter and TPI.

UNIFIED THREAD PROFILE



Used for checking internal and external threads in general-purpose fastening systems applications for the imperial system of units. They are suitable for quick assembly, medium fit, and precision applications requiring closer tolerances.

SPECIFICATIONS

- ANSI/ASME B 1.2 - 1983

RANGE

- Thread Right-Hand (RH) and Left-Hand (LH) gauges for external and internal threads
- Plain Plugs to check minor diameter of internal threads as per the above diameter range
- Plain Rings to check major diameter of external threads as per the above diameter range
- D.L. Setting Plugs to set adjustable rings
- Check Plug gauges
- Wear Check Plug gauges
- Check Ring gauges
- Wear Check Ring gauges

SIZE

- Plug Gauges: from No.0 (0.06 inch) to 14 inches
- Ring Gauges: from No.4 (0.112 inch) to 12 inches

TOLERANCE

THREAD PLUG GAUGES

- 1B: Suitable for quick assembly, even when threads are dirty or damaged. Ideal for wide tolerances
- 2B: Corresponds to medium fit and used for general applications requiring free assembly
- 3B: Required for closer fit applications

THREAD RING GAUGES

- 1A: Suitable for quick assembly, even when threads are dirty or damaged. Ideal for wide tolerances
- 2A: Corresponds to medium fit and used for general applications requiring free assembly
- 3A: Required for closer fit applications

IN ADDITION TO THE ABOVE, WE MANUFACTURE:

- AG Class Thread Ring Gauges: For lubricant and high-temperature applications as recommended in BS 1580, Part I & II - 2007 specification
- Class 5 Interference Fit Threads: As per ASME / ANSI B 1.12 - 1987 specification

The recommended tolerance classes for external threads are NC-5 HF, NC-5 CSF & NC-5 ONF
For internal threads, the tolerance classes are NC-5 IF, NC-5 INF

DIAMETER - TPI COMBINATION

Diameter	in Inches	UNC	UNF	UNEF	UN
No.0	0.06	-	80	-	-
No.1	0.073	64	72	-	-
No.2	0.086	56	64	-	-
No.3	0.099	48	56	-	-
No.4	0.112	40	48	-	-
No.5	0.125	40	44	-	-
No.6	0.138	32	40	-	-
No.8	0.164	32	36	-	-
No.10	0.190	24	32	-	-
No.12	0.216	24	28	32	-
1/4	0.25	20	28	32	-
5/16	0.3125	18	24	32	20, 28
3/8	0.375	16	24	32	20, 28
7/16	0.4375	14	20	28	16, 32
1/2	0.5	13	20	28	16, 32
9/16	0.5625	12	18	24	16, 20, 28, 32
5/8	0.625	11	18	24	12, 16, 20, 28, 32
11/16*	0.6875	-	-	24	12, 16, 20, 28, 32
3/4	0.75	10	16	20	12, 28, 32
13/16*	0.8125	-	-	20	12, 16, 28, 32
7/8	0.875	9	14	20	12, 16, 28, 32
15/16*	0.9375	-	-	20	12, 16, 28, 32
1	1.00	8	12	20	16, 28, 32
1.1/16*	1.0625	-	-	18	8, 12, 16, 20, 28
1.1/8	1.125	7	12	18	8, 16, 20, 28
1.3/16*	1.1875	-	-	18	8, 12, 16, 20, 28
1.1/4	1.25	7	12	18	8, 16, 20, 28
1.5/16*	1.3125	-	-	18	8, 12, 16, 20, 28
1.3/8	1.375	6	12	18	8, 16, 20, 28
1.7/16*	1.4375	-	-	18	6, 8, 12, 16, 20, 28
1.1/2	1.5	6	12	18	8, 16, 20, 28
1.9/16*	1.5625	-	-	18	6, 8, 12, 16, 20
1.5/8	1.625	-	-	18	6, 8, 12, 16, 20
1.11/16*	1.6875	-	-	18	6, 8, 12, 16, 20
1.3/4	1.75	5	-	-	6, 8, 12, 16, 20
1.13/16*	1.8125	-	-	-	6, 8, 12, 16, 20
1.7/8	1.875	-	-	-	6, 8, 12, 16, 20

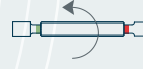
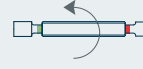
DIAMETER - TPI COMBINATION

Diameter	in Inches	UNC	UNF	UNEF	UN
1.15/16*	1.9375	-	-	-	6, 8, 12, 16, 20
2	2.0	4.5	-	-	6, 8, 12, 16, 20
2.1/8*	2.125	-	-	-	6, 8, 12, 16, 20
2.1/4	2.25	4.5	-	-	6, 8, 12, 16, 20
2.3/8*	2.375	-	-	-	6, 8, 12, 16, 20
2.1/2	2.5	4	-	-	6, 8, 12, 16, 20
2.5/8*	2.625	-	-	-	4, 6, 8, 12, 16, 20
2.3/4	2.75	4	-	-	6, 8, 12, 16, 20
2.7/8*	2.875	-	-	-	4, 6, 8, 12, 16, 20
3	3.0	4	-	-	6, 8, 12, 16, 20
3.1/8*	3.125	-	-	-	4, 6, 8, 12, 16
3.1/4	3.25	4	-	-	6, 8, 12, 16
3.3/8*	3.375	-	-	-	4, 6, 8, 12, 16
3.1/2	3.5	4	-	-	6, 8, 12, 16
3.5/8*	3.625	-	-	-	4, 6, 8, 12, 16
3.3/4	3.75	4	-	-	6, 8, 12, 16
3.7/8*	3.875	-	-	-	4, 6, 8, 12, 16
4	4.0	4	-	-	6, 8, 12, 16
4.1/8*	4.125	-	-	-	4, 6, 8, 12, 16
4.1/4	4.25	-	-	-	4, 6, 8, 12, 16
4.3/8*	4.375	-	-	-	4, 6, 8, 12, 16
4.1/2	4.5	-	-	-	4, 6, 8, 12, 16
4.5/8*	4.625	-	-	-	4, 6, 8, 12, 16
4.3/4	4.75	-	-	-	4, 6, 8, 12, 16
4.7/8*	4.875	-	-	-	4, 6, 8, 12, 16
5	5.0	-	-	-	4, 6, 8, 12, 16
5.1/8*	5.125	-	-	-	4, 6, 8, 12, 16
5.1/4	5.25	-	-	-	4, 6, 8, 12, 16
5.3/8*	5.375	-	-	-	4, 6, 8, 12, 16
5.1/2	5.50	-	-	-	4, 6, 8, 12, 16
5.5/8*	5.625	-	-	-	4, 6, 8, 12, 16
5.3/4	5.75	-	-	-	4, 6, 8, 12, 16
5.7/8*	5.875	-	-	-	4, 6, 8, 12, 16
6	6.0	-	-	-	4, 6, 8, 12, 16

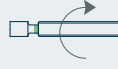
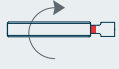
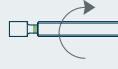
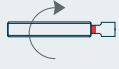
* - 2nd choice of Diameter

Diameter - TPI combination not covered in this table, use «UNS»
For all diameters above 6", use «UNS» series irrespective of TPI

UN PLUG

Diameter	TPI	Catalogue Code				
			GO & NOGO Plug 2B RH 2B DR	GO & NOGO Plug 3B RH 3B DR	GO & NOGO Plug 2B LH 2B DL	GO & NOGO Plug 3B LH 3B DL
5/8	20	P UN 00508 020	✓	✓	✓	✓
3/4	12	P UN 00304 012	✓	✓	✓	✓
7/8	16	P UN 00708 016	✓	✓	✓	✓
	12	P UN 00708 012	✓	✓	✓	✓
1	32	P UN 00100 032	✓	✓	✓	✓
	28	P UN 00100 028	✓	✓	✓	✓
	16	P UN 00100 016	✓	✓	✓	✓
1.1/16	12	P UN 10116 012	✓	✓	✓	✓
1.1/8	20	P UN 00118 020	✓	✓	⊗	⊗
	16	P UN 00118 016	✓	✓	⊗	⊗
1/8	8	P UN 00118 008	✓	✓	✓	✓
	20	P UN 00114 020	✓	✓	⊗	⊗
	16	P UN 00114 016	✓	✓	⊗	⊗
1.3/8	8	P UN 00114 008	✓	✓	✓	✓
	20	P UN 00138 020	✓	✓	⊗	⊗
	16	P UN 00138 016	✓	✓	⊗	⊗
1.1/2	8	P UN 00138 008	✓	✓	⊗	⊗
	20	P UN 00112 020	✓	✓	⊗	⊗
	16	P UN 00112 016	✓	✓	⊗	⊗
1.5/8	8	P UN 00112 008	✓	✓	✓	✓
	12	P UN 00158 012	✓	✓	⊗	⊗
	8	P UN 00158 008	✓	✓	⊗	⊗
1.3/4	20	P UN 00134 020	⊗	⊗	⊗	⊗
	12	P UN 00134 012	✓	✓	⊗	⊗
	8	P UN 00134 008	✓	✓	⊗	⊗
1.7/8	12	P UN 00178 012	✓	✓	⊗	⊗
	8	P UN 00178 008	✓	✓	⊗	⊗
2	12	P UN 00200 012	✓	✓	⊗	⊗
	8	P UN 00200 008	✓	✓	⊗	⊗
2.1/8	12	P UN 00218 012	✓	✓	⊗	⊗
	8	P UN 00218 008	✓	✓	⊗	⊗
	6	P UN 00218 006	⊗	⊗	⊗	⊗
2.1/4	12	P UN 00214 012	✓	✓	⊗	⊗
	8	P UN 00214 008	✓	✓	⊗	⊗
2.3/8	12	P UN 00238 012	✓	✓	⊗	⊗
	8	P UN 00238 008	✓	✓	⊗	⊗
2.1/2	12	P UN 00212 012	✓	✓	⊗	⊗
	8	P UN 00212 008	✓	✓	⊗	⊗

UN PLUG

Diameter	TPI	Catalogue Code				
			GO Plug 2B RH 2B GR	NOGO Plug 2B RH 2B NR	GO Plug 3B RH 3B GR	NOGO Plug 3B RH 3B NR
2	12	P UN 00200 012	⊗	⊗	⊗	⊗
	8	P UN 00200 008	⊗	⊗	⊗	⊗
2.1/8	12	P UN 00218 012	⊗	⊗	⊗	⊗
	8	P UN 00218 008	⊗	⊗	⊗	⊗
	6	P UN 00218 006	⊗	⊗	⊗	⊗
2.1/4	12	P UN 00214 012	✓	✓	⊗	⊗
	8	P UN 00214 008	⊗	⊗	⊗	⊗
2.3/8	12	P UN 00238 012	⊗	⊗	⊗	⊗
	8	P UN 00238 008	⊗	⊗	⊗	⊗
2.1/2	12	P UN 00212 012	⊗	⊗	⊗	⊗
	8	P UN 00212 008	⊗	⊗	⊗	⊗
2.5/8	16	P UN 00258 016	⊗	⊗	⊗	⊗
	12	P UN 00258 012	✓	✓	✓	✓
	8	P UN 00258 008	⊗	⊗	⊗	⊗
2.3/4	16	P UN 00234 016	⊗	⊗	⊗	⊗
	12	P UN 00234 012	✓	✓	⊗	⊗
	8	P UN 00234 008	✓	✓	⊗	⊗
2.7/8	16	P UN 00278 016	⊗	⊗	⊗	⊗
	12	P UN 00278 012	⊗	⊗	⊗	⊗
	8	P UN 00278 008	⊗	⊗	⊗	⊗
3	16	P UN 00300 016	⊗	⊗	⊗	⊗
	12	P UN 00300 012	✓	✓	⊗	⊗
	8	P UN 00300 008	✓	✓	⊗	⊗
3.1/8	16	P UN 00318 016	⊗	⊗	⊗	⊗
	12	P UN 00318 012	⊗	⊗	⊗	⊗
	8	P UN 00318 008	✓	✓	⊗	⊗
3.1/4	16	P UN 00314 016	⊗	⊗	⊗	⊗
	12	P UN 00314 012	⊗	⊗	⊗	⊗
	8	P UN 00314 008	✓	✓	⊗	⊗
3.1/2	16	P UN 00312 016	⊗	⊗	⊗	⊗
	12	P UN 00312 012	✓	✓	⊗	⊗
	8	P UN 00312 008	✓	✓	✓	✓
3.3/4	16	P UN 00334 016	⊗	⊗	⊗	⊗
	12	P UN 00334 012	✓	✓	⊗	⊗
	8	P UN 00334 008	✓	✓	✓	✓
4	16	P UN 00400 016	⊗	⊗	⊗	⊗
	12	P UN 00400 012	⊗	⊗	⊗	⊗
	8	P UN 00400 008	✓	✓	⊗	⊗

UN RING								
Diameter	TPI	Catalogue Code	GO Ring 2A RH 2A GR	NOGO Ring 2A RH 2A NR	GO Ring 3A RH 3A GR	NOGO Ring 3A RH 3A NR	GO Ring 2A LH 2A GL	NOGO Ring 2A LH 2A NL
5/8	20	R UN 00508 020	✓	✓	⚙	⚙	⚙	⚙
3/4	12	R UN 00304 012	✓	✓	⚙	⚙	⚙	⚙
7/8	16	R UN 00708 016	✓	✓	✓	✓	⚙	⚙
	12	R UN 00708 012	✓	✓	✓	✓	⚙	⚙
1	32	R UN 00100 032	✓	✓	⚙	⚙	⚙	⚙
	28	R UN 00100 028	✓	✓	⚙	⚙	⚙	⚙
	16	R UN 00100 016	✓	✓	✓	✓	⚙	⚙
1 1/16	16	R UN 10116 016	✓	✓	⚙	⚙	⚙	⚙
	12	R UN 10116 012	✓	✓	⚙	⚙	⚙	⚙
1 1/8	20	R UN 00118 020	✓	✓	✓	✓	⚙	⚙
	16	R UN 00118 016	✓	✓	⚙	⚙	⚙	⚙
	8	R UN 00118 008	✓	✓	⚙	⚙	⚙	⚙
1 1/4	20	R UN 00114 020	⚙	⚙	⚙	⚙	⚙	⚙
	16	R UN 00114 016	✓	✓	⚙	⚙	⚙	⚙
	8	R UN 00114 008	✓	✓	⚙	⚙	⚙	⚙
1 3/8	20	R UN 00138 020	✓	✓	✓	✓	⚙	⚙
	16	R UN 00138 016	✓	✓	✓	⚙	⚙	⚙
	8	R UN 00138 008	✓	✓	✓	⚙	⚙	⚙
1 1/2	20	R UN 00112 020	✓	✓	⚙	⚙	⚙	⚙
	16	R UN 00112 016	✓	✓	⚙	⚙	⚙	⚙
	8	R UN 00112 008	✓	✓	⚙	⚙	⚙	⚙
1 5/8	12	R UN 00158 008	✓	✓	⚙	⚙	⚙	⚙
	8	R UN 00158 008	✓	✓	⚙	⚙	⚙	⚙
1 3/4	20	R UN 00134 020	✓	✓	⚙	⚙	⚙	⚙
	12	R UN 00134 012	✓	✓	⚙	⚙	⚙	⚙
	8	R UN 00134 008	✓	✓	⚙	⚙	⚙	⚙
1 7/8	12	R UN 00178 012	✓	✓	⚙	⚙	⚙	⚙
	8	R UN 00178 008	✓	✓	⚙	⚙	⚙	⚙
2	12	R UN 00200 012	✓	✓	⚙	⚙	⚙	⚙
	8	R UN 00200 008	✓	✓	⚙	⚙	⚙	⚙
2 1/8	16	R UN 00218 016	✓	✓	⚙	⚙	⚙	⚙
	12	R UN 00218 012	✓	✓	⚙	⚙	⚙	⚙
	8	R UN 00218 008	✓	✓	⚙	⚙	⚙	⚙
	6	R UN 00218 006	✓	✓	⚙	⚙	⚙	⚙
2 1/4	12	R UN 00214 012	✓	✓	⚙	⚙	⚙	⚙
	8	R UN 00214 008	✓	✓	⚙	⚙	⚙	⚙
2 3/8	12	R UN 00238 012	✓	✓	⚙	⚙	⚙	⚙
	08	R UN 00238 008	✓	✓	⚙	⚙	⚙	⚙

UN RING								
Diameter	TPI	Catalogue Code	GO Ring 2A RH 2A GR	NOGO Ring 2A RH 2A NR	GO Ring 3A RH 3A GR	NOGO Ring 3A RH 3A NR	GO Ring 2A LH 2A GL	NOGO Ring 2A LH 2A NL
2 1/2	12	R UN 00212 012	✓	✓	⚙	⚙	⚙	⚙
	8	R UN 00212 008	✓	✓	⚙	⚙	⚙	⚙
2 5/8	16	R UN 00258 016	⚙	⚙	⚙	⚙	⚙	⚙
	12	R UN 00258 012	✓	✓	⚙	⚙	⚙	⚙
	8	R UN 00258 008	⚙	⚙	⚙	⚙	⚙	⚙
2 3/4	16	R UN 00234 016	✓	✓	⚙	⚙	⚙	⚙
	12	R UN 00234 012	⚙	⚙	⚙	⚙	⚙	⚙
	8	R UN 00234 008	⚙	⚙	⚙	⚙	⚙	⚙
2 7/8	16	R UN 00278 016	⚙	⚙	⚙	⚙	⚙	⚙
	12	R UN 00278 012	⚙	⚙	⚙	⚙	⚙	⚙
	8	R UN 00278 008	⚙	⚙	⚙	⚙	⚙	⚙
3	16	R UN 00300 016	⚙	⚙	⚙	⚙	⚙	⚙
	12	R UN 00300 012	✓	✓	⚙	⚙	⚙	⚙
	8	R UN 00300 008	⚙	⚙	⚙	⚙	⚙	⚙
3 1/8	16	R UN 00318 016	⚙	⚙	⚙	⚙	⚙	⚙
	12	R UN 00318 012	⚙	⚙	⚙	⚙	⚙	⚙
	8	R UN 00318 008	⚙	⚙	⚙	⚙	⚙	⚙
3 1/4	16	R UN 00314 016	⚙	⚙	⚙	⚙	⚙	⚙
	12	R UN 00314 012	⚙	⚙	⚙	⚙	⚙	⚙
	8	R UN 00314 008	⚙	⚙	⚙	⚙	⚙	⚙
3 1/2	16	R UN 00312 016	⚙	⚙	⚙	⚙	⚙	⚙
	12	R UN 00312 012	✓	✓	⚙	⚙	⚙	⚙
	8	R UN 00312 008	⚙	⚙	⚙	⚙	⚙	⚙
3 3/4	16	R UN 00334 016	⚙	⚙	⚙	⚙	⚙	⚙
	12	R UN 00334 012	✓	✓	⚙	⚙	⚙	⚙
	8	R UN 00334 008	⚙	⚙	⚙	⚙	⚙	⚙
4	16	R UN 00400 016	⚙	⚙	⚙	⚙	⚙	⚙
	12	R UN 00400 012	✓	✓	⚙	⚙	⚙	⚙
	8	R UN 00400 008	⚙	⚙	⚙	⚙	⚙	⚙

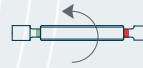
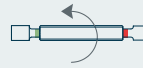
✓ Available in stock

⚙ Manufactured against order

✗ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

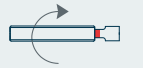
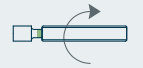
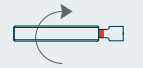
UNC PLUG

Diameter	TPI	Catalogue Code				
			GO & NOGO Plug 2B RH 2B DR	GO & NOGO Plug 3B RH 3B DR	GO & NOGO Plug 2B LH 2B DL	GO & NOGO Plug 3B LH 3B DL
No. 1	64	P NC N0001 064	✓	✓	⚙	⚙
1.3/4	5	P NC 00134 005	✓	✓	⚙	⚙
2	4.5	P NC 00200 045	⚙	⚙	⚙	⚙
2.1/4	4.5	P NC 00214 045	⚙	⚙	⚙	⚙
2.1/2	4	P NC 00212 004	⚙	⚙	⚙	⚙
No. 2	56	P NC N0002 056	✓	✓	⚙	⚙
No. 3	48	P NC N0003 048	✓	✓	⚙	⚙
No. 4	40	P NC N0004 040	✓	✓	✓	✓
No. 5	40	P NC N0005 040	✓	✓	✓	✓
No. 6	32	P NC N0006 032	✓	✓	✓	✓
No. 8	32	P NC N0008 032	✓	✓	✓	✓
No. 10	24	P NC N0010 024	✓	✓	✓	✓
No. 12	24	P NC N0012 024	✓	✓	✓	✓
1/4	20	P NC 00104 020	✓	✓	✓	✓
5/16	18	P NC 00516 018	✓	✓	✓	✓
3/8	16	P NC 00308 016	✓	✓	✓	✓
7/16	14	P NC 00716 014	✓	✓	✓	✓
1/2	13	P NC 00102 013	✓	✓	✓	✓
9/16	12	P NC 00916 012	✓	✓	✓	✓
5/8	11	P NC 00508 011	✓	✓	✓	✓
3/4	10	P NC 00304 010	✓	✓	✓	✓
7/8	9	P NC 00708 009	✓	✓	✓	✓
1	8	P NC 00100 008	✓	✓	✓	✓
1.1/8	7	P NC 00118 007	✓	✓	⚙	⚙
1.1/4	7	P NC 00114 007	✓	✓	⚙	⚙
1.3/8	6	P NC 00138 006	✓	✓	⚙	⚙
1.1/2	6	P NC 00112 006	✓	✓	⚙	⚙

✓ Available in stock ⚙ Manufactured against order ✕ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

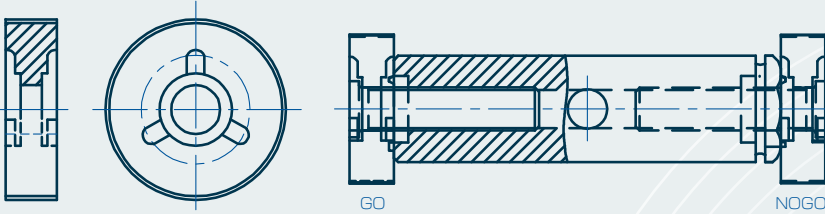
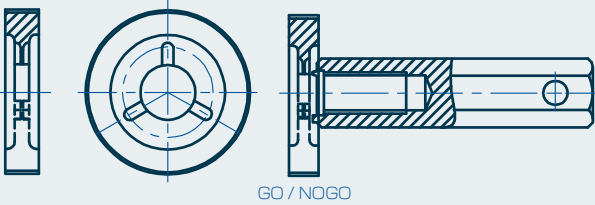
UNC PLUG

Diameter	TPI	Catalogue Code				
			GO Plug 2B RH 2B GR	NOGO Plug 2B RH 2B NR	GO Plug 3B RH 3B GR	NOGO Plug 3B RH 3B NR
2	4.5	P NC 00200 045	✓	✓	✓	✓
2.1/4	4.5	P NC 00214 045	✓	✓	⚙	⚙
2.1/2	4	P NC 00212 004	✓	✓	⚙	⚙
2.3/4	4	P NC 00234 004	⚙	⚙	⚙	⚙
3	4	P NC 00300 004	⚙	⚙	⚙	⚙
3.1/4	4	P NC 00314 004	⚙	⚙	⚙	⚙
3.1/2	4	P NC 00312 004	⚙	⚙	⚙	⚙
3.3/4	4	P NC 00334 004	⚙	⚙	⚙	⚙
4	4	P NC 00400 004	⚙	⚙	⚙	⚙

✓ Available in stock ⚙ Manufactured against order ✕ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

UNIFIED THREAD PROFILE



UNC RING

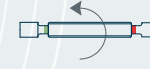
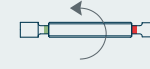
Diameter	TPI	Catalogue Code								
			GO Ring 2A RH 2A GR	NOGO Ring 2A RH 2A NR	GO Ring 3A RH 3A GR	NOGO Ring 3A RH 3A NR	GO Ring 2A LH 2A GL	NOGO Ring 2A LH 2A NL	GO Ring 3A LH 3A GL	NOGO Ring 3A LH 3A NL
No. 4	40	R NC N0004 040	✓	✓	✓	✓	✓	✓	✓	✓
No. 5	40	R NC N0005 040	✓	✓	✓	✓	✓	✓	✓	✓
No. 6	32	R NC N0006 032	✓	✓	✓	✓	✓	✓	✓	✓
No. 8	32	R NC N0008 032	✓	✓	✓	✓	✓	✓	✓	✓
No. 10	24	R NC N0010 024	✓	✓	✓	✓	✓	✓	✓	✓
No. 12	24	R NC N0012 024	✓	✓	✓	✓	✓	✓	✓	✓
1/4	20	R NC 00104 020	✓	✓	✓	✓	✓	✓	✓	✓
5/16	18	R NC 00516 018	✓	✓	✓	✓	✓	✓	✓	✓
3/8	16	R NC 00308 016	✓	✓	✓	✓	✓	✓	✓	✓
7/16	14	R NC 00716 014	✓	✓	✓	✓	✓	✓	✓	✓
1/2	13	R NC 00012 013	✓	✓	✓	✓	✓	✓	✓	✓
9/16	12	R NC 00916 012	✓	✓	✓	✓	✓	✓	✓	✓
5/8	11	R NC 00508 011	✓	✓	✓	✓	✓	✓	✓	✓
3/4	10	R NC 00304 010	✓	✓	✓	✓	✓	✓	✓	✓
7/8	9	R NC 00708 009	✓	✓	✓	✓	✓	✓	✓	✓
1	8	R NC 00100 008	✓	✓	✓	✓	✓	✓	✓	✓
1 1/8	7	R NC 00118 007	✓	✓	✓	✓	✖	✖	✖	✖
1 1/4	7	R NC 00114 007	✓	✓	✓	✓	✖	✖	✖	✖
1 3/8	6	R NC 00138 006	✓	✓	✓	✓	✖	✖	✖	✖
1 1/2	6	R NC 00112 006	✓	✓	✓	✓	✖	✖	✖	✖
1 3/4	5	R NC 00134 005	✓	✓	✓	✓	✖	✖	✖	✖
2	4.5	R NC 00200 045	✓	✓	✓	✓	✖	✖	✖	✖
2 1/4	4.5	R NC 00214 045	✖	✖	✖	✖	✖	✖	✖	✖
2 1/2	4	R NC 00212 004	✖	✖	✖	✖	✖	✖	✖	✖
2 3/4	4	R NC 00234 004	✖	✖	✖	✖	✖	✖	✖	✖
3	4	R NC 00300 004	✖	✖	✖	✖	✖	✖	✖	✖
3 1/4	4	R NC 00314 004	✖	✖	✖	✖	✖	✖	✖	✖
3 1/2	4	R NC 00312 004	✖	✖	✖	✖	✖	✖	✖	✖
3 3/4	4	R NC 00334 004	✖	✖	✖	✖	✖	✖	✖	✖
4	4	R NC 00400 004	✖	✖	✖	✖	✖	✖	✖	✖



✓ Available in stock ✖ Manufactured against order ✖ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

UNF PLUG

Diameter	TPI	Catalogue Code				
			GO & NOGO Plug 2B RH 2B DR	GO & NOGO Plug 3B RH 3B DR	GO & NOGO Plug 2B LH 2B DL	GO & NOGO Plug 3B LH 3B DL
No. 0	80	P NF NO000 080	✓	✓	⚙	⚙
No. 1	72	P NF NO001 072	✓	✓	⚙	⚙
No. 2	64	P NF NO002 064	✓	✓	⚙	⚙
No. 3	56	P NF NO003 056	✓	✓	⚙	⚙
No. 4	48	P NF NO004 048	✓	✓	✓	✓
No. 5	44	P NF NO005 044	✓	✓	✓	✓
No. 6	40	P NF NO006 040	✓	✓	✓	✓
No. 8	36	P NF NO008 036	✓	✓	✓	✓
No. 10	32	P NF NO010 032	✓	✓	✓	✓
No. 12	28	P NF NO012 028	✓	✓	✓	✓
1/4	28	P NF 00104 028	✓	✓	✓	✓
5/16	24	P NF 00516 024	✓	✓	✓	✓
3/8	24	P NF 00308 024	✓	✓	✓	✓
7/16	20	P NF 00716 020	✓	✓	✓	✓
1/2	20	P NF 00102 020	✓	✓	✓	✓
9/16	18	P NF 00916 018	✓	✓	✓	✓
5/8	18	P NF 00508 018	✓	✓	✓	✓
3/4	16	P NF 00304 016	✓	✓	✓	✓
7/8	14	P NF 00708 014	✓	✓	✓	✓
1	12	P NF 00100 012	✓	✓	✓	✓
1 1/8	12	P NF 00118 012	✓	✓	✓	✓
1 1/4	12	P NF 00114 012	✓	✓	✓	✓
1 3/8	12	P NF 00138 012	✓	✓	✓	✓
1 1/2	12	P NF 00112 012	✓	✓	✓	✓

UNF RING

Diameter	TPI	Catalogue Code				
			GO Ring 2A RH 2A GR	NOGO Ring 2A RH 2A NR	GO Ring 3A RH 3A GR	NOGO Ring 3A RH 3A NR
No. 4	48	R NF NO004 048	✓	✓	✓	✓
No. 5	44	R NF NO005 044	✓	✓	✓	✓
No. 6	40	R NF NO006 040	✓	✓	✓	✓
No. 8	36	R NF NO008 036	✓	✓	✓	✓
No. 10	32	R NF NO010 032	✓	✓	✓	✓
No. 12	28	R NF NO012 028	✓	✓	✓	✓
1/4	28	R NF 00104 028	✓	✓	✓	✓
5/16	24	R NF 00516 024	✓	✓	✓	✓
3/8	24	R NF 00308 024	✓	✓	✓	✓
7/16	20	R NF 00716 020	✓	✓	✓	✓
1/2	20	R NF 00102 020	✓	✓	✓	✓
9/16	18	R NF 00916 018	✓	✓	✓	✓
5/8	18	R NF 00508 018	✓	✓	✓	✓
3/4	16	R NF 00304 016	✓	✓	✓	✓
7/8	14	R NF 00708 014	✓	✓	✓	✓
1	12	R NF 00100 012	✓	✓	✓	✓
1 1/8	12	R UN 00118 012	✓	✓	✓	✓
1 1/4	12	R NF 00114 012	✓	✓	✓	✓
1 3/8	12	R NF 00138 012	✓	✓	✓	✓
1 1/2	12	R NF 00112 012	✓	✓	✓	✓



✓ Available in stock ⚙ Manufactured against order ✕ Not applicable

✓ Available in stock ⚙ Manufactured against order ✕ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

All the sizes & tolerances specified in Standards are covered in our manufacturing program

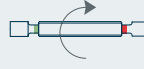
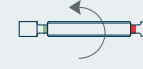
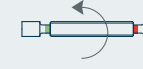
UNF RING

Diameter	TPI	Catalogue Code				
			GO Ring 2A LH 2A GL	NOGO Ring 2A LH 2A NL	GO Ring 3A LH 3A GL	NOGO Ring 3A LH 3A NL
No. 4	48	R NF N0004 048				
No. 5	44	R NF N0005 044	✓	✓		
No. 6	40	R NF N0006 040	✓	✓		
No. 8	36	R NF N0008 036	✓	✓		
No. 10	32	R NF N0010 032	✓	✓	✓	✓
No. 12	28	R NF N0012 028	✓	✓	✓	✓
1/4	28	R NF 00104 028	✓	✓	✓	✓
5/16	24	R NF 00516 024	✓	✓	✓	✓
3/8	24	R NF 00308 024	✓	✓	✓	✓
7/16	20	R NF 00716 020	✓	✓	✓	✓
1/2	20	R NF 00102 020	✓	✓	✓	✓
9/16	18	R NF 00916 018	✓	✓	✓	✓
5/8	18	R NF 00508 018	✓	✓	✓	✓
3/4	16	R NF 00304 016	✓	✓	✓	✓
7/8	14	R NF 00708 014	✓	✓	✓	✓
1	12	R NF 00100 012	✓	✓	✓	✓
1.1/8	12	R UN 00118 012	✓	✓		
1.1/4	12	R NF 00114 012				
1.3/8	12	R NF 00138 012				
1.1/2	12	R NF 00112 012				

✓ Available in stock  Manufactured against order ✕ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

UNEF PLUG

Diameter	TPI	Catalogue Code				
			GO & NOGO Plug 2B RH 2B DR	GO & NOGO Plug 3B RH 3B DR	GO & NOGO Plug 2B LH 2B DL	GO & NOGO Plug 3B LH 3B DL
No. 12	32	P NE N0012 032	✓	✓		
1/4	32	P NE 00104 032	✓	✓		
5/16	32	P NE 00516 032	✓	✓		
3/8	32	P NE 00308 032	✓	✓		
7/16	28	P NE 00716 028	✓	✓	✓	✓
1/2	28	P NE 00102 028	✓	✓	✓	✓
9/16	24	P NE 00916 024	✓	✓	✓	✓
5/8	24	P NE 00508 024	✓	✓	✓	✓
11/16	24	P NE 01116 024	✓	✓	✓	✓
3/4	20	P NE 00304 020	✓	✓	✓	✓
13/16	24	P NE 01316 024	✓	✓	✓	✓
7/8	20	P NE 00708 020	✓	✓	✓	✓
15/16	20	P NE 01516 020	✓	✓	✓	✓
1	20	P NE 00100 020	✓	✓	✓	✓
1.1/16	18	P NE 10116 018	✓	✓		
1.1/8	18	P NE 00118 018	✓	✓		
1.3/16	18	P NE 10316 018	✓	✓		
1.1/4	18	P NE 00114 018	✓	✓		
1.5/16	18	P NE 10516 018	✓	✓		
1.3/8	18	P NE 00138 018	✓	✓		
1.7/16	18	P NE 10716 018	✓	✓		
1.1/2	18	P NE 00112 018	✓	✓		
1.9/16	18	P NE 10916 018	✓	✓		
1.5/8	18	P NE 00158 018	✓	✓		
1.11/16	18	P NE 11116 018	✓	✓		

✓ Available in stock  Manufactured against order ✕ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

UNEF RING

Diameter	TPI	Catalogue Code				
			GO Ring 2A RH 2A GR	NOGO Ring 2A RH 2A NR	GO Ring 3A RH 3A GR	NOGO Ring 3A RH 3A NR
No. 12	32	R NE N0012 032	✓	✓	✓	✓
1/4	32	R NE 00104 032	✓	✓	✓	✓
5/16	32	R NE 00516 032	✓	✓	✓	✓
3/8	32	R NE 00308 032	✓	✓	✓	✓
7/16	28	R NE 00716 028	✓	✓	✓	✓
1/2	28	R NE 00102 028	✓	✓	✓	✓
9/16	24	R NE 00916 024	✓	✓	✓	✓
5/8	24	R NE 00508 024	✓	✓	✓	✓
11/16	24	R NE 01116 024	✓	✓	✓	✓
3/4	20	R NE 00304 020	✓	✓	✓	✓
13/16	24	R NE 01316 024	✓	✓	✓	✓
7/8	20	R NE 00708 020	✓	✓	✓	✓
15/16	20	R NE 01516 020	✓	✓	✓	✓
1	20	R NE 00100 020	✓	✓	✓	✓
1.1/16	18	R NE 10116 018	✓	✓	✓	✓
1.1/8	18	R NE 00118 018	✓	✓	✓	✓
1.3/16	18	R NE 10316 018	✓	✓	✓	✓
1.1/4	18	R NE 00114 018	✓	✓	✓	✓
1.5/16	18	R NE 10516 018	✓	✓	✓	✓
1.3/8	18	R NE 00138 018	✓	✓	✓	✓
1.7/16	18	R NE 10716 018	✓	✓	✓	✓
1.1/2	18	R NE 00112 018	✓	✓	✓	✓
1.9/16	18	R NE 10916 018	✓	✓	✓	✓
1.5/8	18	R NE 00158 018	✓	✓	✓	✓
1.11/16	18	R NE 11116 018	✓	✓	⚙	⚙

UNEF RING

Diameter	TPI	Catalogue Code				
			GO Ring 2A LH 2A GL	NOGO Ring 2A LH 2A NL	GO Ring 3A LH 3A GL	NOGO Ring 3A LH 3A NL
No. 12	32	R NE N0012 032	✓	✓	✓	✓
1/4	32	R NE 00104 032	✓	✓	✓	✓
5/16	32	R NE 00516 032	✓	✓	✓	✓
3/8	32	R NE 00308 032	✓	✓	✓	✓
7/16	28	R NE 00716 028	✓	✓	✓	✓
1/2	28	R NE 00102 028	✓	✓	✓	✓
9/16	24	R NE 00916 024	✓	✓	✓	✓
5/8	24	R NE 00508 024	✓	✓	✓	✓
11/16	24	R NE 01116 024	⚙	⚙	⚙	⚙
3/4	20	R NE 00304 020	✓	✓	✓	✓
13/16	24	R NE 01316 024	⚙	⚙	⚙	⚙
7/8	20	R NE 00708 020	✓	✓	✓	✓
15/16	20	R NE 01516 020	⚙	⚙	⚙	⚙
1	20	R NE 00100 020	✓	✓	✓	✓
1.1/16	18	R NE 10116 018	✓	✓	✓	✓
1.1/8	18	R NE 00118 018	✓	✓	✓	✓
1.3/16	18	R NE 10316 018	✓	✓	✓	✓
1.1/4	18	R NE 00114 018	✓	✓	✓	✓
1.5/16	18	R NE 10516 018	✓	✓	✓	✓
1.3/8	18	R NE 00138 018	✓	✓	✓	✓
1.7/16	18	R NE 10716 018	⚙	⚙	⚙	⚙
1.1/2	18	R NE 00112 018	✓	✓	✓	✓
1.9/16	18	R NE 10916 018	⚙	⚙	⚙	⚙
1.5/8	18	R NE 00158 018	⚙	⚙	⚙	⚙
1.11/16	18	R NE 11116 018	⚙	⚙	⚙	⚙

✓ Available in stock

⚙ Manufactured against order

✗ Not applicable

✓ Available in stock

⚙ Manufactured against order

✗ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

UNJ GAUGES

UNJ, UNJC, UNJF, UNJEF, UNJS



APPLICATIONS

Used in the aerospace industry, where high fatigue resistance and durability are critical. These gauges support precise measurement and control in assembling components that require superior strength and reliability.

UNJ gauges are designed for measuring threads with a modified profile that provides enhanced strength and fatigue resistance. Commonly used in aerospace and high-performance industries, these gauges ensure precise control and durability in critical applications.

UNJ (Unified Constant Pitch)

Uniform TPI across diameters for applications where constant thread pitch is crucial.

UNJC (Unified National Coarse)

Coarse pitch threads, similar to UNC, offering increased root strength.

UNJF (Unified National Fine)

Fine pitch threads, similar to UNF, used for precision fits and enhanced strength.

UNJEF (Unified National Extra Fine)

Threads with extremely fine pitches for applications requiring tight tolerances in thin materials.

UNJS (Unified National Special)

Special UNJ threads with modified parameters for high-stress or aerospace applications. Often used where standard UNJ configurations do not meet specialized requirements.

SPECIFICATIONS

- BS 4084 & Gauging Practice BS 919 (I) - 2007
- ASME B 1.15 - 1995 / SAE AS 8879
- ISO 3161 - 1999 & Gauging ISO 15872-2017

RANGE

- Right-Hand (RH) and Left-Hand (LH) gauges for external and internal threads
- Plain Plugs to check minor diameter of internal threads
- Plain Rings to check major diameter of external threads
- Check Plug gauges
- Wear Check Plug gauges
- Check Ring gauges
- Wear Check Ring gauges

SIZE

- Plug gauges: from No.0 (0.06 inch) to 6 inches
- Ring gauges: from No.4 (0.112 inch) to 6 inches

TOLERANCE

THREAD PLUG GAUGES

- Class 3B (internal thread inspection)

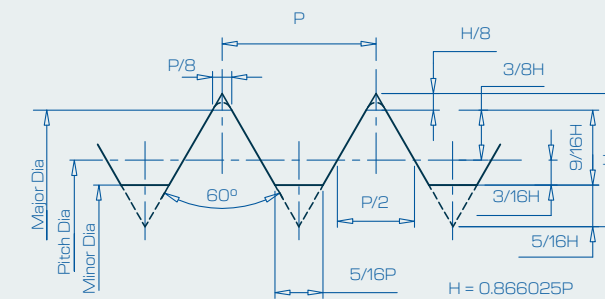
Designed for internal thread inspection. Ensures precise measurement and verification of threads, providing accurate control for applications requiring close fit.

THREAD RING GAUGES

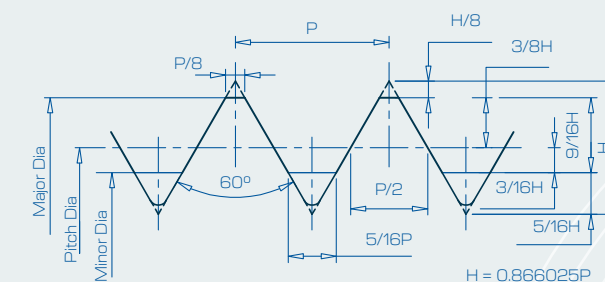
- Class 3A (external thread inspection)

Designed for external thread inspection. Provides reliable checking of external threads, ensuring high accuracy and consistency in production.

UNJ INTERNAL THREAD PROFILE



UNJ EXTERNAL THREAD PROFILE



UNJ PLUG



Diameter	TPI	Catalogue Code	GO & NOGO Plug 2B RH 2B DR	GO & NOGO Plug 3B RH 3B DR
9/16	20	P JN 00916 020	⚙️	✓
5/8	20	P JN 00508 020	⚙️	✓
3/4	12	P JN 00304 012	⚙️	✓
13/16	12	P JN 01316 012	⚙️	⚙️
13/16	16	P JN 01316 016	⚙️	✓
7/8	12	P JN 00708 012	⚙️	✓
7/8	16	P JN 00708 016	⚙️	✓
15/16	12	P JN 01516 012	⚙️	✓
15/16	16	P JN 01516 016	⚙️	⚙️
1	16	P JN 00100 016	⚙️	⚙️

UNJC PLUG



Diameter	TPI	Catalogue Code	GO & NOGO Plug 2B RH 2B DR	GO & NOGO Plug 3B RH 3B DR
No. 4	40	P JC N0004 040	⚙️	✓
No. 5	40	P JC N0005 040	⚙️	✓
No. 6	32	P JC N0006 032	⚙️	✓
No. 8	32	P JC N0008 032	⚙️	✓
No. 10	24	P JC N0010 024	⚙️	✓
No. 12	24	P JC N0012 024	⚙️	✓
1/4	20	P JC 00104 020	⚙️	✓
5/16	18	P JC 00516 018	⚙️	✓
3/8	16	P JC 00308 016	⚙️	✓
7/16	14	P JC 00716 014	✓	✓
1/2	13	P JC 00102 013	⚙️	✓
9/16	12	P JC 00916 012	⚙️	✓
5/8	11	P JC 00508 011	⚙️	✓
3/4	10	P JC 00304 010	⚙️	✓
7/8	9	P JC 00708 009	⚙️	✓
1	8	P JC 00100 008	⚙️	✓

UNJ RING



Diameter	TPI	Catalogue Code	GO Ring 2A RH 2A GR	NOGO Ring 2A RH 2A NR	GO Ring 3A RH 3A GR	NOGO Ring 3A RH 3A NR
9/16	20	R JN 00916 020	⚙️	⚙️	✓	✓
5/8	20	R JN 00508 020	⚙️	⚙️	✓	✓
3/4	12	R JN 00304 012	⚙️	⚙️	✓	✓
13/16	12	R JN 01316 012	⚙️	⚙️	⚙️	⚙️
13/16	16	R JN 01316 016	⚙️	⚙️	✓	✓
7/8	12	R JN 00708 012	⚙️	⚙️	✓	✓
7/8	16	R JN 00708 016	⚙️	⚙️	✓	✓
15/16	12	R JN 01516 012	⚙️	⚙️	✓	✓
15/16	16	R JN 01516 016	⚙️	⚙️	⚙️	⚙️
1	16	R JN 00100 016	⚙️	⚙️	⚙️	⚙️

UNJC RING



Diameter	TPI	Catalogue Code	GO Ring 3A RH 3A GR	NOGO Ring 3A RH 3A NR
No. 4	40	R JC N0004 040	✓	✓
No. 5	40	R JC N0005 040	✓	✓
No. 6	32	R JC N0006 032	✓	✓
No. 8	32	R JC N0008 032	✓	✓
No. 10	24	R JC N0010 024	✓	✓
No. 12	24	R JC N0012 024	✓	✓
1/4	20	R JC 00104 020	✓	✓
5/16	18	R JC 00516 018	✓	✓
3/8	16	R JC 00308 016	✓	✓
7/16	14	R JC 00716 014	✓	✓
1/2	13	R JC 00102 013	✓	✓
9/16	12	R JC 00916 012	✓	✓
5/8	11	R JC 00508 011	✓	✓
3/4	10	R JC 00304 010	✓	✓
7/8	9	R JC 00708 009	✓	✓
1	8	R JC 00100 008	✓	✓

✓ Available in stock ⚙️ Manufactured against order ✕ Not applicable

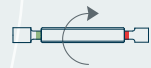
All the sizes & tolerances specified in Standards are covered in our manufacturing program

The UNJ thread profile's larger root radius reduces stress concentration, making it especially suitable for fatigue-critical environments. Standard and custom gauges can be supplied based on customer specifications.

UNJF PLUG



GO & NOGO
Plug
2B RH
2B DR



GO & NOGO
Plug
3B RH
3B DR

Diameter	TPI	Catalogue Code		
No. 4	48	P JF N0004 048		✓
No. 5	44	P JF N0005 044		✓
No. 6	40	P JF N0006 040		✓
No. 8	36	P JF N0008 036		✓
No. 10	32	P JF N0010 032	✓	✓
No. 12	28	P JF N0012 028		✓
1/4	28	P JF 00104 028		✓
5/16	24	P JF 00516 024		✓
3/8	24	P JF 00308 024	✓	✓
7/16	20	P JF 00716 020	✓	✓
1/2	20	P JF 00102 020		✓
9/16	18	P JF 00916 018	✓	✓
5/8	18	P JF 00508 018	✓	✓
3/4	16	P JF 00304 016		✓
7/8	14	P JF 00708 014		✓
1	12	P JF 00100 012		✓

UNJF RING



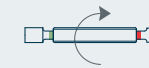
GO Ring
3A RH
3A GR



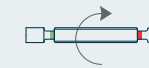
NOGO Ring
3A RH
3A NR

Diameter	TPI	Catalogue Code		
No. 4	48	R JF N0004 048	✓	✓
No. 5	44	R JF N0005 044	✓	✓
No. 6	40	R JF N0006 040	✓	✓
No. 8	36	R JF N0008 036	✓	✓
No. 10	32	R JF N0010 032	✓	✓
No. 12	28	R JF N0012 028	✓	✓
1/4	28	R JF 00104 028	✓	✓
5/16	24	R JF 00516 024	✓	✓
3/8	24	R JF 00308 024	✓	✓
7/16	20	R JF 00716 020	✓	✓
1/2	20	R JF 00102 020	✓	✓
9/16	18	R JF 00916 018	✓	✓
5/8	18	R JF 00508 018	✓	✓
3/4	16	R JF 00304 016	✓	✓
7/8	14	R JF 00708 014	✓	✓
1	12	R JF 00100 012	✓	✓

UNJEF PLUG



GO & NOGO
Plug
2B RH
2B DR



GO & NOGO
Plug
3B RH
3B DR

Diameter	TPI	Catalogue Code		
No. 12	32	P JE N0012 032		✓
1/4	32	P JE 00104 032	✓	✓
5/16	32	P JE 00516 032		✓
3/8	32	P JE 00308 032		✓
7/16	28	P JE 00716 028		✓
1/2	28	P JE 00102 028		✓
9/16	24	P JE 00916 024		✓
5/8	24	P JE 00508 024		✓
11/16	24	P JE 01116 024		✓
3/4	20	P JE 00304 020		✓
7/8	20	P JE 00708 020		✓
15/16	20	P JE 01516 020		✓
1	20	P JE 00100 020		✓

UNJEF RING



GO Ring
3A RH
3A GR



NOGO Ring
3A RH
3A NR

Diameter	TPI	Catalogue Code		
No. 12	32	R JE N0012 032	✓	✓
1/4	32	R JE 00104 032	✓	✓
	28	R JE 00104 028		
5/16	32	R JE 00516 032	✓	✓
3/8	32	R JE 00308 032	✓	✓
7/16	28	R JE 00716 028	✓	✓
1/2	28	R JE 00102 028	✓	✓
9/16	24	R JE 00916 024	✓	✓
5/8	24	R JE 00508 024		
11/16	24	R JE 01116 024		
13/16	20	R JE 01316 020		
3/4	20	R JE 00304 020	✓	✓
7/8	20	R JE 00708 020	✓	✓
15/16	20	R JE 01516 020		
1	20	R JE 00100 020		

✓ Available in stock Manufactured against order ✗ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

STI/EG GAUGES



APPLICATIONS

STI/EG for Metric Threads: Used in applications requiring metric screw thread inserts, commonly in international standards and industries.

STI/EG for Unified Threads: Designed for imperial thread inserts, widely used in aerospace applications.



STI (Screw Thread Insert) gauges are specialized tools used to inspect threads designed for screw thread inserts, ensuring precision and proper fit. These gauges are essential in industries where thread inserts are employed to strengthen threads in softer materials, such as aluminum and composites.

STI Gauges are used to check tapped holes to receive wire thread inserts. Widely used in aerospace, automotive, and manufacturing industries, where thread inserts are necessary to reinforce or repair threads in materials prone to wear or damage.

These gauges are used for checking oversize tapping which is done for fitting wire thread inserts. Wire thread inserts have external threads which are oversize compared to standard dimensions. When tapped, internal threads become oversize so a standard screw cannot be fitted and wire threads inserts are used. Oversize tapping is done using thread taps and wire thread inserts are fitted inside.

SPECIFICATIONS

· BS 4377 - 1991 / DIN 8140

RANGE

Right-Hand (RH) and Left-Hand (LH) gauges

METRIC STI GAUGES

· Diameter range: 1.6 mm to 100 mm

UNIFIED STI GAUGES

· Diameter range: No.0 (0.06 inch) to 14 inches

UNJ STI GAUGES

· Diameter range: No.0 (0.06 inch) to 6 inches

TOLERANCE

STI FOR METRIC THREADS

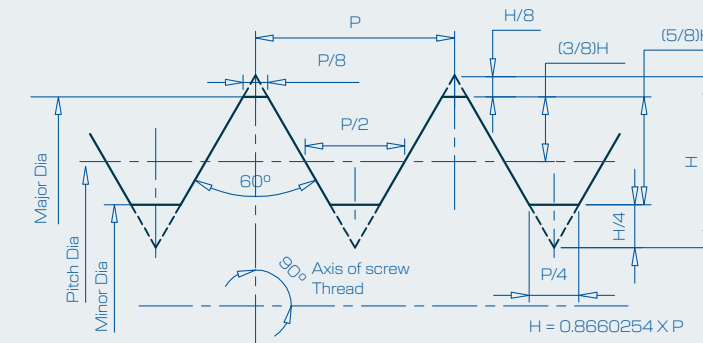
· 5H and 6H classes are recommended

STI FOR UNIFIED THREADS

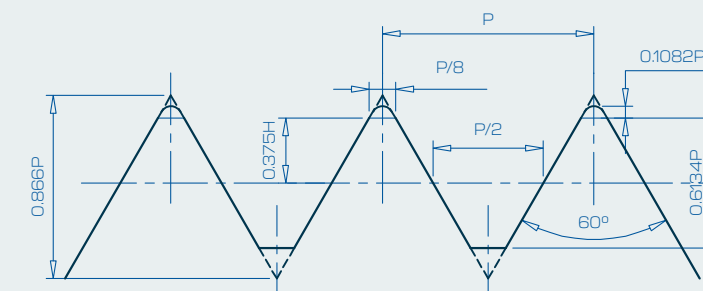
· 2B and 3B classes are recommended

STI gauges are also known as Heli-Coil thread inserts.

METRIC STI THREAD PROFILE



UNIFIED STI THREAD PROFILE



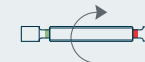
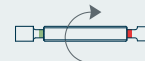
METRIC STI/EG PLUG

Diameter	Pitch	Catalogue Code		
			GO & NOGO Plug 5H RH 5H DR	GO & NOGO Plug 6H RH 6H DR
2	0.40	P MS 00002 040	✓	✓
2.5	0.45	P MS 00025 045	✓	✓
3	0.5	P MS 00003 050	✓	✓
3.5	0.6	P MS 00035 060	✓	✓
4	0.7	P MS 00004 070	✓	✓
4.5	0.75	P MS 00045 075	✓	✓
5	0.8	P MS 00008 080	✓	✓
6	1	P MS 00006 100	✓	✓
7	1	P MS 00007 100	✓	✓
8	1.25	P MS 00008 125	✓	✓
9	1.25	P MS 00009 125	✓	✓
10	1.5	P MS 00010 150	✓	✓
	1.25	P MS 00010 125	✓	✓
	1	P MS 00010 100	✓	✓
	1.75	P MS 00012 175	✓	✓
12	1.5	P MS 00012 150	✓	✓
	1.25	P MS 00012 125	✓	✓
	2	P MS 00014 200	✓	✓
	1.5	P MS 00014 150	✓	✓
	1.25	P MS 00014 125	✓	✓
	2	P MS 00016 200	✓	✓
	1.5	P MS 00016 150	✓	✓
18	2.5	P MS 00018 250	✓	✓
	2	P MS 00018 200	✓	✓
	1.5	P MS 00018 150	✓	✓
20	2.5	P MS 00020 250	✓	✓
	2	P MS 00020 200	✓	✓
	1.5	P MS 00020 150	✓	✓
22	2.5	P MS 00022 250	✓	✓
	2	P MS 00022 200	✓	✓
	1.5	P MS 00022 150	✓	✓
24	3	P MS 00024 300	✓	✓
	2	P MS 00024 200	✓	✓
	3	P MS 00027 300	✓	✓
30	3.5	P MS 00030 350	✓	✓

✓ Available in stock ⚙ Manufactured against order ✕ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

UNIFIED STI/EG PLUG

Diameter	TPI	Catalogue Code		
			GO & NOGO Plug 2B RH 2B DR	GO & NOGO Plug 3B RH 3B DR
No. 4	40 UNC	P CS N0004 040	✓	✓
No. 5	40 UNC	P CS N0005 040	✓	✓
No. 6	32 UNC	P CS N0006 032	✓	✓
No. 8	32 UNC	P CS N0008 032	✓	✓
No. 10	24 UNC	P CS N0010 024	✓	✓
No. 12	24 UNC	P CS N0012 024	✓	✓
1/4	20 UNC	P CS 00104 020	✓	✓
5/16	18 UNC	P CS 00516 018	✓	✓
3/8	16 UNC	P CS 00308 016	✓	✓
7/16	14 UNC	P CS 00716 014	✓	✓
1/2	13 UNC	P CS 00102 013	✓	✓
9/16	12 UNC	P CS 00916 012	✓	✓
5/8	11 UNC	P CS 00508 011	✓	✓
3/4	10 UNC	P CS 00304 010	✓	✓
7/8	9 UNC	P CS 00708 009	✓	✓
1	8 UNC	P CS 00100 008	✓	✓
				
			GO & NOGO Plug 2B RH 2B DR	GO & NOGO Plug 3B RH 3B DR
No. 4	48 UNF	P FS N0004 048	✓	✓
No. 5	44 UNF	P FS N0005 044	✓	✓
No. 6	40 UNF	P FS N0006 040	✓	✓
No. 8	36 UNF	P FS N0008 036	✓	✓
No. 10	32 UNF	P FS N0010 032	✓	✓
No. 12	28 UNF	P FS N0012 028	✓	✓
1/4	28 UNF	P FS 00104 028	✓	✓
5/16	24 UNF	P FS 00516 024	✓	✓
3/8	24 UNF	P FS 00308 024	✓	✓
7/16	20 UNF	P FS 00716 020	✓	✓
1/2	20 UNF	P FS 00102 020	✓	✓
9/16	18 UNF	P FS 00916 018	✓	✓
5/8	18 UNF	P FS 00508 018	✓	✓
3/4	16 UNF	P FS 00304 016	✓	✓
7/8	14 UNF	P FS 00708 014	✓	✓
1	12 UNF	P FS 00100 012	✓	✓

G-PIPE GAUGES



APPLICATIONS

General purpose pipe threads where pressure-tight joints are not required on threads.
Plumbing systems for water, gas, and oil. Hydraulic and pneumatic connection.
Precision threading in manufacturing and maintenance operations.

G-Pipe gauges are specialized tools for inspecting pipe threads, ensuring compliance with international standards. These gauges are essential for industries where pipe threads are critical for leak-proof and precise connections in fluid or gas systems.

These gauges are designed for high accuracy and reliability in BSPP (British Standard Pipe Parallel threads) applications.

SPECIFICATIONS

- ISO 228 (1) - 2000 (E)
- ISO 228 (2) - 1987 (E)
- IS 2643 - 2005
- IS 10216 - 1988
- B 0202 - 1999

RANGE

- Right-Hand (RH) and Left-Hand (LH) gauges for external and internal threads
- Sizes: from 1/16" to 6"
- TPI Series: 28, 19, 14, 11
- STI for pipe G threads - to check threads of tapped holes to receive wire thread inserts
- Plain Plugs to check minor diameter of internal threads
- Plain Rings to check major diameter of external threads

TOLERANCE

PLUG GAUGES

- Only general class

Designed for general internal thread inspection. Provides reliable control and ensures that threads meet standard tolerances for most applications.

RING GAUGES

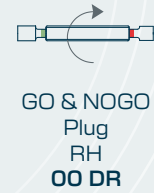
Class A: Suitable for external thread inspection requiring high accuracy. Ensures precise fit and consistent performance.

Class B: Used for external thread inspection with standard tolerances. Provides reliable checking for general applications.

Tolerance for class A rings are closer/tighter than class B. In case of pitch diameter tolerance class A tolerance is exactly half the class B tolerance.

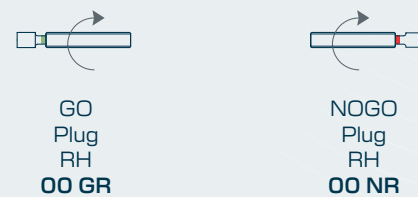


G-PIPE PLUG



Diameter	TPI	Catalogue Code	GO & NOGO Plug RH 00 DR
G1/8	28	P GG 00108 028	✓
G1/4	19	P GG 00104 019	✓
G3/8	19	P GG 00308 019	✓
G1/2	14	P GG 00102 014	✓
G5/8	14	P GG 00508 014	✓
G3/4	14	P GG 00304 014	✓
G7/8	14	P GG 00708 014	✓
G1	11	P GG 00100 011	✓
G1 1/8	11	P GG 00118 011	✓
G1 1/4	11	P GG 00114 011	✓
G1 3/8	11	P GG 00138 011	✓
G1 1/2	11	P GG 00112 011	✓
G1 3/4	11	P GG 00134 011	✓
G2	11	P GG 00200 011	✓

G-PIPE PLUG



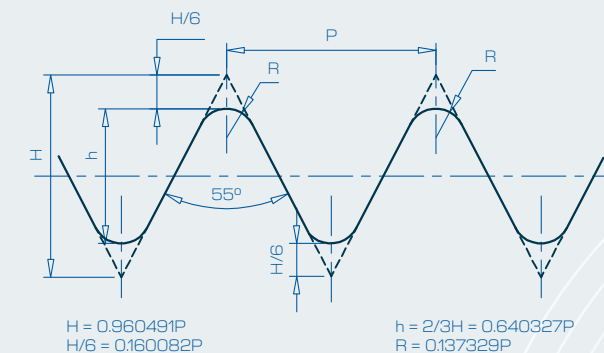
Diameter	TPI	Catalogue Code	GO Plug RH 00 GR	NOGO Plug RH 00 NR
G2 1/4	11	P GG 00214 011	✓	✓
G2 1/2	11	P GG 00212 011	✓	✓
G2 3/4	11	P GG 00234 011	✓	✓
G3	11	P GG 00300 011	✓	✓
G3 1/2	11	P GG 00312 011	✓	✓
G4	11	P GG 00400 011	✓	✓
G5	11	P GG 00500 011	✓	✓
G6	11	P GG 00600 011	✓	✓

G-PIPE RING



Diameter	TPI	Catalogue Code	GO Ring Class-A RH AO GR	NOGO Ring Class-A RH AO NR	GO Ring Class-A RH BO GR	NOGO Ring Class-A RH BO NR	GO Ring Class-A LH AO GL	NOGO Ring Class-A LH AO NL
G1/8	28	R GG 00108 028	✓	✓	✓	✓	✓	✓
G1/4	19	R GG 00104 019	✓	✓	✓	✓	✓	✓
G3/8	19	R GG 00308 019	✓	✓	✓	✓	✓	✓
G1/2	14	R GG 00102 014	✓	✓	✓	✓	✓	✓
G5/8	14	R GG 00508 014	✓	✓	✓	✓	✓	✓
G3/4	14	R GG 00304 014	✓	✓	✓	✓	✓	✓
G7/8	14	R GG 00708 014	✓	✓	✓	✓	✖	✖
G1	11	R GG 00100 011	✓	✓	✓	✓	✓	✓
G1 1/8	11	R GG 00118 011	✓	✓	✓	✓	✖	✖
G1 1/4	11	R GG 00114 011	✓	✓	✓	✓	✓	✓
G1 3/8	11	R GG 00138 011	✓	✓	✓	✓	✖	✖
G1 1/2	11	R GG 00112 011	✓	✓	✓	✓	✓	✓
G1 3/4	11	R GG 00134 011	✓	✓	✓	✓	✓	✓
G2	11	R GG 00200 011	✓	✓	✓	✓	✓	✓
G2 1/4	11	R GG 00214 011	✓	✓	✓	✓	✓	✓
G2 1/2	11	R GG 00212 011	✓	✓	✓	✓	✓	✓
G2 3/4	11	R GG 00234 011	✓	✓	✓	✓	✓	✓
G3	11	R GG 00300 011	✓	✓	✓	✓	✓	✓
G3 1/2	11	R GG 00312 011	✓	✓	✓	✓	✖	✖
G4	11	R GG 00400 011	✓	✓	✓	✓	✖	✖
G5	11	R GG 00500 011	✓	✓	✖	✖	✖	✖
G6	11	R GG 00600 011	✖	✖	✖	✖	✖	✖

G-PIPE THREAD PROFILE



✓ Available in stock ✖ Manufactured against order ✖ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

✓ Available in stock ✖ Manufactured against order ✖ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

Pg-PIPE GAUGES



APPLICATIONS

Commonly used in electrical wiring systems to verify the accuracy of threads on conduit pipes. They are essential for ensuring safe and secure connections in industrial, commercial, and residential electrical installations.

Pg-Pipe gauges are precision tools used to inspect threads of electrical conduit pipes to ensure accurate connections in wiring systems.

THREAD PROFILE

Straight thread design featuring an 80° included angle, optimized for secure engagement and efficient load distribution in high-pressure applications.

SPECIFICATIONS

- DIN 40430 (1971)
- DIN 40431 (1)-1970 & DIN 40431 (2)-1972

Specification recommends Thread GO & Plain NOGO gauges.

RANGE

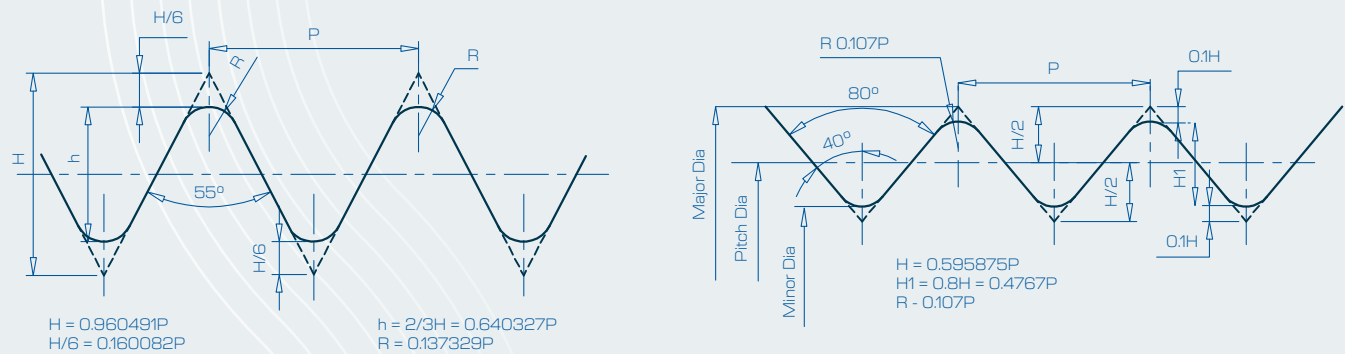
- Thread and Plain gauges for external and internal threads
- Check Plug gauges to check NEW rings
- Wear Check Plug gauges to check/calibrate USED rings

SIZES

Pg 7, Pg 9, Pg 11, Pg 13.5, Pg 16, Pg 21, Pg 29, Pg 36, Pg 42, Pg 48

Manufacturing range offers both thread and plain NOGO gauges as per customer request.

Pg
THREAD PROFILE



Custom designs and specifications are available upon request to meet specific customer needs.

Pg PLUG



Diameter	TPI	Catalogue Code	GO Thread Nogo Plain Plug RH 00 DR	GO & NOGO Thread Plug RH 01 DR
Pg7	20	P PG 00007 020	✓	✓
Pg9	18	P PG 00009 018	✓	⚙
Pg11	18	P PG 00011 018	✓	⚙
Pg13.5	18	P PG 01305 018	✓	⚙
Pg16	18	P PG 00016 018	✓	⚙
Pg21	16	P PG 00021 016	✓	⚙
Pg29	16	P PG 00029 016	✓	⚙
Pg36	16	P PG 00036 016	✓	⚙
Pg42	16	P PG 00042 016	✓	⚙
Pg48	16	P PG 00048 016	✓	⚙

Pg RING



Diameter	TPI	Catalogue Code	GO Ring RH 00 GR	NOGO Ring Plain / Cylindrical 00 NO
Pg7	20	R PG 00007 020	✓	✓
Pg9	18	R PG 00009 018	✓	✓
Pg11	18	R PG 00011 018	✓	✓
Pg13.5	18	R PG 01305 018	✓	✓
Pg16	18	R PG 00016 018	✓	✓
Pg21	16	R PG 00021 016	✓	✓
Pg29	16	R PG 00029 016	✓	✓
Pg36	16	R PG 00036 016	✓	✓
Pg42	16	R PG 00042 016	✓	✓
Pg48	16	R PG 00048 016	✓	✓

✓ Available in stock ⚙ Manufactured against order ✕ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

R-PIPE GAUGES

R, RC, RP



APPLICATIONS

Used for verifying tapered pipe threads that ensure pressure-tight joints in piping systems. They are widely used in: plumbing and fluid transport systems, hydraulic and pneumatic applications, industrial piping for high-pressure environments.

R-Pipe gauges are essential tools designed to ensure precision and reliability in pipe connections. They are related to BSPT gauges, as they are designed to measure British Standard Pipe Taper threads.

THREAD PROFILE

Tapered threads conforming to the R-thread standard, with an angle of 55° and a taper of 1:16.

SPECIFICATIONS

- ISO 7/1 (1994)
- ISO 7/2 (2000)
- IS 554 (1999)
- IS 8999 (2003)
- BS EN 10226-3 (2005)

RANGE

Diameters (Inch): From 1/16 to 6

R-PIPE

External tapered threads.

RC-PIPE

Internal tapered threads for pressure-tight sealing.

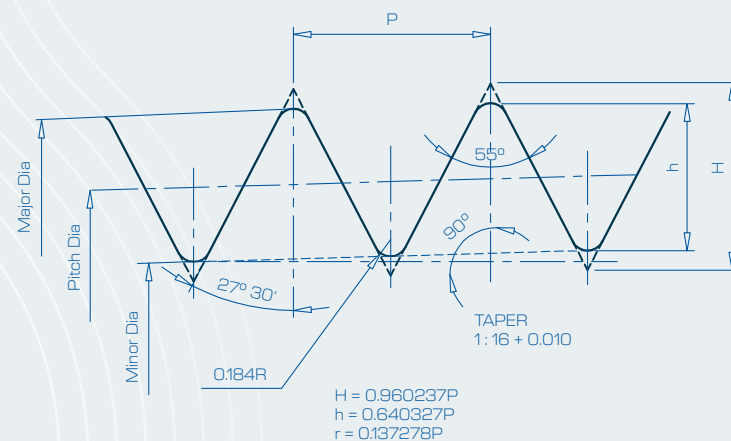
RP-PIPE

Internal parallel threads for specific applications.

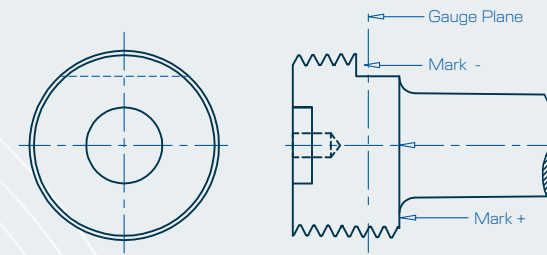
TYPES OF GAUGES

- Gauge Plug No.1 (Taper Full Form Thread Plug gauge)
- Gauge Plug No.2 (Taper Full Form Thread Plug gauge with relief)
- Gauge Ring No.3 (Parallel Full Form Thread Ring gauge)
- Gauge Ring No.4 (Taper Plain Ring gauge)
- Gauge Plug No.5 (Taper Modified Thread Form Check Plug gauge)
- Gauge Ring No.6 (Parallel Modified Thread Form Check Ring gauge)

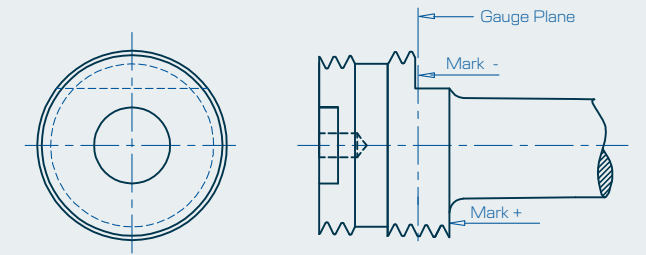
R-PIPE THREAD PROFILE



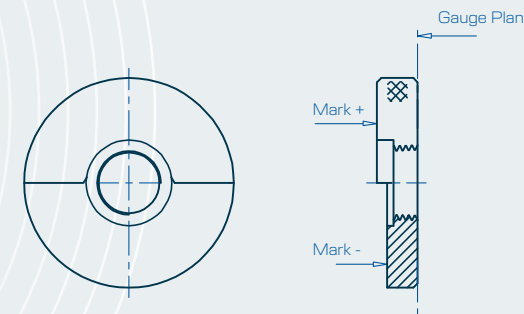
GAUGES TO CHECK WORKPIECE THREAD



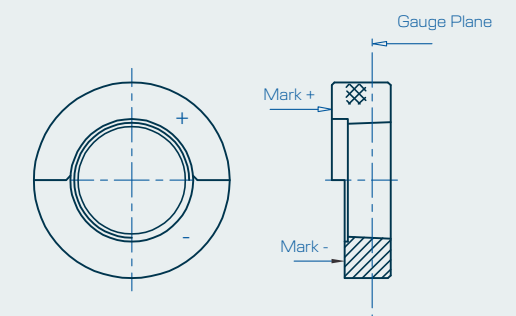
Taper Full Form Thread Plug.
Gauge No.1



Taper Full Form Thread Plug with relief.
Gauge No.2

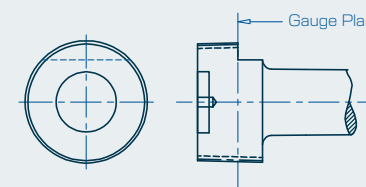
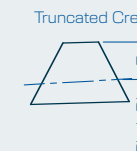
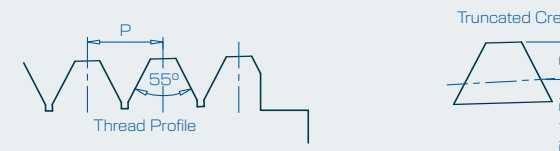


Parallel Full Form Thread Ring Gauge.
Gauge No.3

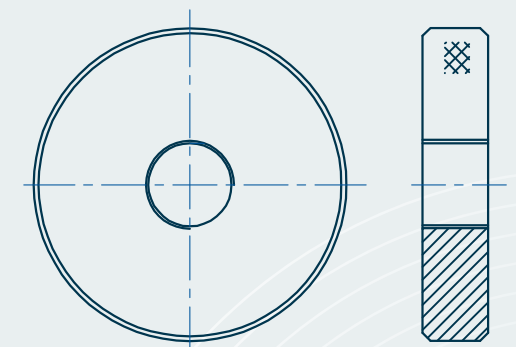


Taper Plain Ring Gauge (without threads).
Gauge No.4

MASTER GAUGES



Taper Modified Thread Form Check Plug Gauge.
Gauge No. 5



Parallel Modified Thread Form Check Ring Gauge.
Gauge No.6

R-PIPE THREAD PLUG

Diameter	TPI	Catalogue Code			
			Taper Full Form Thread Plug No.1 01 TR	Taper Full Form Thread Plug with relief No.2 RR	Taper Modified Form Check Plug for Ring No.5 05 CR
R1/8	28	P RC 00108 028	✓	✓	✓
R1/4	19	P RC 00104 019	✓	✓	✓
R3/8	19	P RC 00308 019	✓	✓	✓
R1/2	14	P RC 00102 014	✓	✓	✓
R3/4	14	P RC 00304 014	✓	✓	✓
R1	11	P RC 00100 011	✓	✓	✓
R1-1/4	11	P RC 00114 011	✓	✓	✓
R1-1/2	11	P RC 00112 011	✓	✓	✓
R2	11	P RC 00200 011	✓	✓	✓
R2-1/2	11	P RC 00212 011	✓	⚙	⚙
R3	11	P RC 00300 011	✓	⚙	⚙
R4	11	P RC 00400 011	✓	⚙	⚙

R-PIPE THREAD RING

Diameter	TPI	Catalogue Code			
			Parallel Full Form Thread Ring No.3 03 TR	Taper Plain Ring No.4 04 PO	Parallel Modified Form Thread Ring No.6 06 MR
R1/8	28	R RC 00108 028	✓	✓	✓
R1/3	19	R RC 00104 019	✓	✓	✓
R3/8	19	R RC 00308 019	✓	✓	✓
R1/2	14	R RC 00102 014	✓	✓	✓
R3/4	14	R RC 00304 014	✓	✓	✓
R1	11	R RC 00100 011	✓	✓	✓
R11/4	11	R RC 00114 011	✓	✓	✓
R11/2	11	R RC 00112 011	✓	✓	✓
R2	11	R RC 00200 011	✓	✓	✓
R21/2	11	R RC 00212 011	✓	✓	✓



✓ Available in stock ⚙ Manufactured against order ✕ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

NPT GAUGES



APPLICATIONS

Used in general-purpose pipe assembly where a pressure-tight joint is required. By applying a sealing compound and tightening the pipes, NPT connections provide a reliable and leak-proof seal. NPT Gauges are widely used in various industries, including plumbing and HVAC systems, oil and gas pipelines, industrial machinery and equipment requiring pressure-tight connections.

NPT gauges (National Pipe Taper) are essential tools for verifying tapered threads used in pipe systems. Used extensively in various industries, including plumbing, HVAC, and oil and gas, NPT gauges play a crucial role in maintaining the integrity and performance of threaded assemblies.

THREAD PROFILE

60° tapered threads with a standard taper of 1:16.

SPECIFICATIONS

- ANSI/ASME B 1.20.1 - 2013 for Basic type gauges
- American Handbook H-28 Part II - 1957 for Step Limit type gauges

RANGE

Diameters (Inch): From 1/16 to 12

TYPES OF GAUGES

BASIC GAUGES

These gauges have a single step corresponding to the basic size of the component. They are used to verify the overall dimensions of the thread.

STEP LIMIT GAUGES

These gauges feature three steps: minimum, basic, and maximum. They provide more comprehensive inspection by allowing for the verification of both the basic size and the allowable tolerances.

FOR INTERNAL THREADS

L1 BASIC

- L1 Basic Taper Thread Plug: Used to check basic size of internal tapered threads

L1 STEP LIMIT

- L1 Step Limit Taper Thread Plug: Used to check internal tapered threads with allowance for minimum and maximum tolerances

FOR EXTERNAL THREADS

L1 BASIC

- L1 Basic Taper Ring: Used to check basic size of external tapered threads

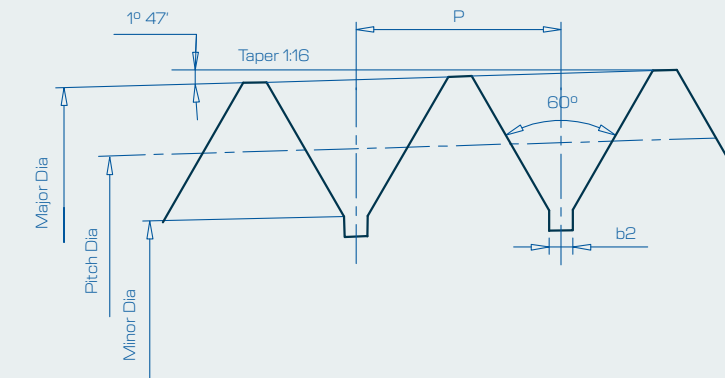
L1 STEP LIMIT

- L1 Step Limit Taper Ring: Used to check external tapered threads, accounting for both basic size and tolerances

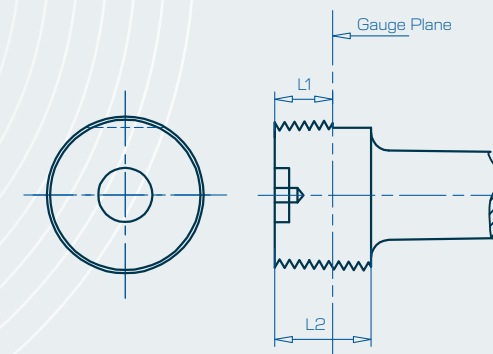
MASTER / CHECK / WEAR CHECK PLUG

- Master Plug / Check Plug / Wear Check Plug to check ring gauges

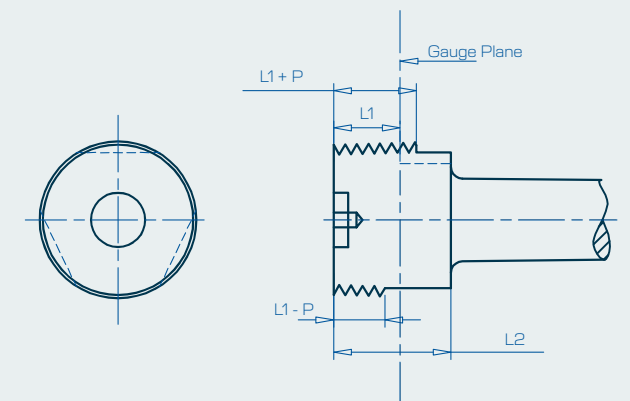
NPT THREAD PROFILE



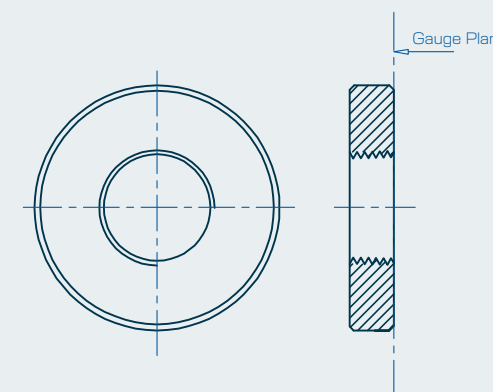
NPT L1 BASIC PLUG



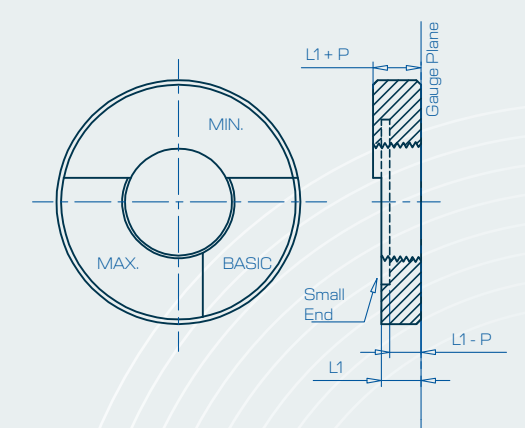
NPT L1 STEP LIMIT PLUG



NPT BASIC RING



NPT L1 STEP LIMIT RING



NPT PLUG



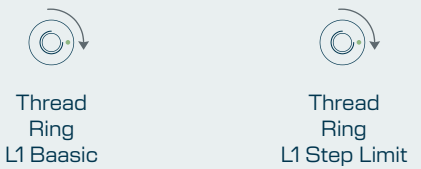
Diameter	TPI	Catalogue Code	L1 BR	L1 SR
1/16	27	P NT 00116 027	✓	✓
1/8	27	P NT 00108 027	✓	✓
1/4	18	P NT 00104 018	✓	✓
3/8	18	P NT 00308 018	✓	✓
1/2	14	P NT 00102 014	✓	✓
3/4	14	P NT 00304 014	✓	✓
1	11,5	P NT 00100 115	✓	✓
1.1/4	11,5	P NT 00114 115	✓	✓
1.1/2	11,5	P NT 00112 115	✓	✓
2	11,5	P NT 00200 115	✓	✓
2.1/2	8	P NT 00212 008	✓	✓
3	8	P NT 00300 008	✓	✓
3.1/2	8	P NT 00312 008	✓	✓
4	8	P NT 00400 008	✓	✓
4.1/2	8	P NT 00412 008	⚙	⚙
5	8	P NT 00500 008	⚙	⚙
6	8	P NT 00600 008	⚙	⚙
8	8	P NT 00800 008	⚙	⚙
10	8	P NT 01000 008	⚙	⚙
12	8	P NT 01200 008	⚙	⚙



✓ Available in stock ⚙ Manufactured against order ✕ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

NPT RING



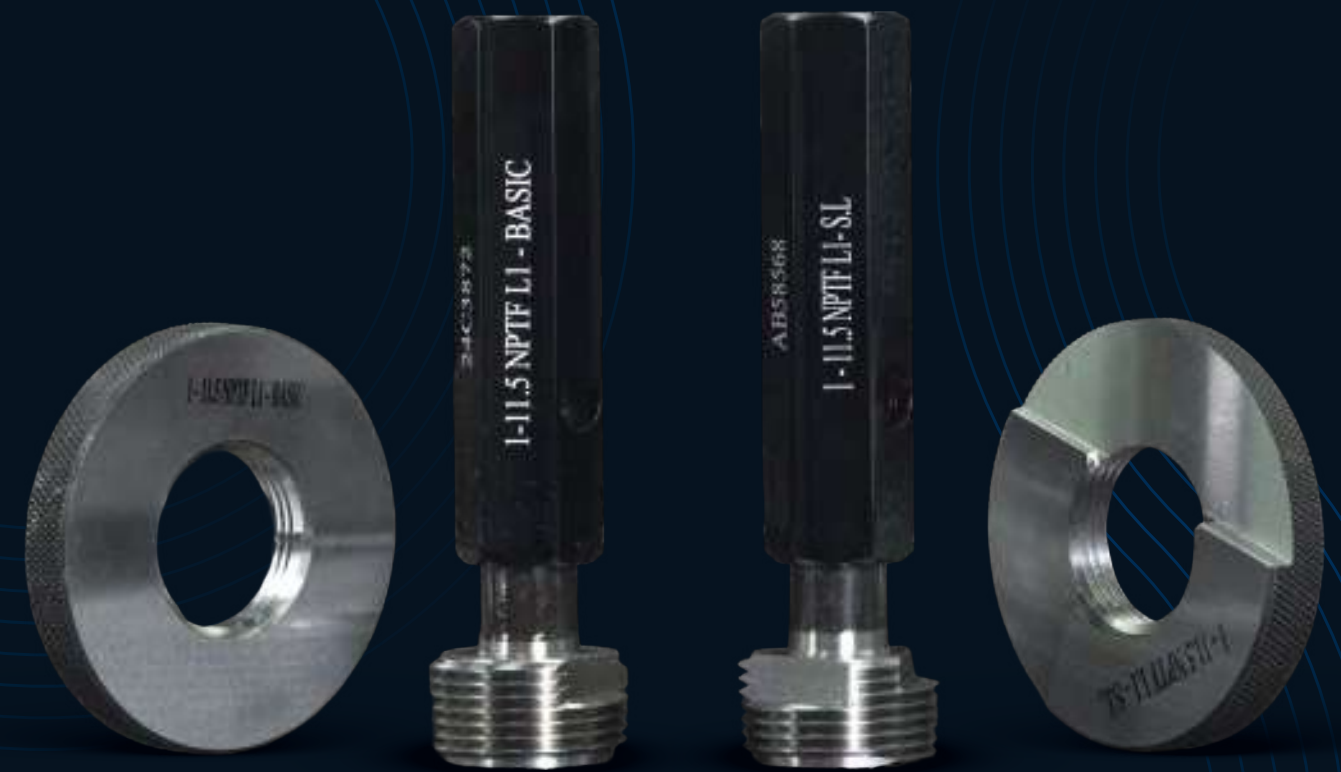
Diameter	TPI	Catalogue Code	L1 BR	L1 SR
1/16	27	R NT 00116 027	✓	✓
1/8	27	R NT 00108 027	✓	✓
1/4	18	R NT 00104 018	✓	✓
3/8	18	R NT 00308 018	✓	✓
1/2	14	R NT 00102 014	✓	✓
3/4	14	R NT 00304 014	✓	✓
1	11,5	R NT 00100 115	✓	✓
1.1/4	11,5	R NT 00114 115	✓	✓
1.1/2	11,5	R NT 00112 115	✓	✓
2	11,5	R NT 00200 115	✓	✓
2.1/2	8	R NT 00212 008	✓	✓
3	8	R NT 00300 008	✓	✓
3.1/2	8	R NT 00312 008	✓	✓
4	8	R NT 00400 008	✓	✓
4.1/2	8	R NT 00412 008	⚙	⚙
5	8	R NT 00500 008	⚙	⚙
6	8	R NT 00600 008	⚙	⚙
8	8	R NT 00800 008	⚙	⚙
10	8	R NT 01000 008	⚙	⚙



✓ Available in stock ⚙ Manufactured against order ✕ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

NPTF GAUGES



APPLICATIONS

Used in applications where a dry seal is required, such as in fuel systems, hydraulic lines, and other high-pressure applications. The unique tapered profile of NPTF threads allows for a self-sealing connection, eliminating the need for additional sealing compounds. Widely used in industries requiring leak-proof connections, such as automotive fuel and hydraulic systems, oil and gas transportation, high-pressure equipment and components.

NPTF Gauges (National Pipe Taper Fuel) are precision tools designed to inspect dry seal tapered threads. Unlike NPT threads, NPTF threads ensure a tight, leak-proof seal without the use of sealants, making them ideal for high-precision and critical applications.

THREAD PROFILE

60° taper with a standard taper of 1:16.

SPECIFICATIONS

- ANSI/ASME B 1.20.6 - 1984 · H-28 Part II 1957
- ANSI B 1.20.5 - 1991

RANGE

Diameters (Inch): From 1/16 to 3. Gauges for external and internal threads.

TYPES OF GAUGES

BASIC LIMIT GAUGES

Inspect threads to determine if they meet the minimum acceptable dimensional requirements.
Used for standard inspection.

STEP LIMIT GAUGES

Allow for more precise evaluation of threads, determining both acceptable and rejection limits.
Useful for high-precision manufacturing or when compliance with tighter standards is necessary.

FOR INTERNAL THREADS

L1 TAPER THREAD PLUG GAUGE

- To check effective diameter of thread to hand tightness at the gauge line - Large End dia.

L1 STEP LIMIT TAPER THREAD PLUG

- Used to check internal tapered threads with allowance for minimum and maximum tolerances

FOR EXTERNAL THREADS

L1 BASIC TAPER RING

- Used to check the basic size of external tapered threads

L1 STEP LIMIT TAPER RING

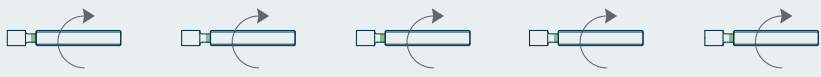
- Used to check external tapered threads, accounting for both basic size and tolerances

MASTER / CHECK / WEAR CHECK PLUG

- Master Plug / Check Plug / Wear Check Plug to check ring gauges

 Normally L2 rings and L3 plugs are used in addition to L1 gauges, where more stringent examination is required. The use of L2 and L3 gauges is only effective when the designed full thread length in the work piece is one thread longer than the nominal thread length.

NPTF PLUG

Diameter	Pitch	Catalogue Code					
			Thread Plug L1 Basic L1 BR	Thread Plug L1 Step L1 SR	Thread Plug L3 Basic L3 BR	Thread Plug L3 Step L3 SR	6 Step Crest Truncation Plug CT 06
1/16	27	P TF 00116 027	✓	✓	⚙	⚙	⚙
1/8	27	P TF 00108 027	✓	✓	⚙	⚙	⚙
1/4	18	P TF 00104 018	✓	✓	✓	⚙	⚙
3/8	18	P TF 00308 018	✓	✓	⚙	⚙	⚙
1/2	14	P TF 00102 014	✓	✓	⚙	⚙	⚙
3/4	14	P TF 00304 014	✓	✓	⚙	⚙	⚙
1	11,5	P TF 00100 115	✓	✓	⚙	⚙	⚙
1.1/4	11,5	P TF 00114 115	✓	✓	⚙	⚙	⚙
1.1/2	11,5	P TF 00112 115	✓	✓	⚙	⚙	⚙
2	11,5	P TF 00200 115	✓	✓	⚙	⚙	⚙
2.1/2	8	P TF 00212 008	✓	✓	⚙	⚙	⚙
3	8	P TF 00300 008	✓	✓	⚙	⚙	⚙

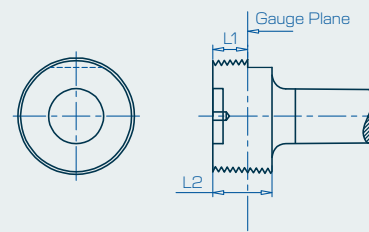
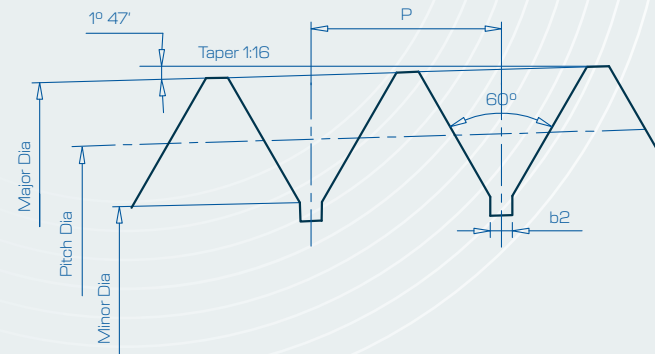
NPTF RING

Diameter	Pitch	Catalogue Code					
			Thread Ring L1 Basic L1 BR	Thread Ring L1 Step L1 SR	Thread Ring L2 Basic L2 BR	Thread Ring L2 Step L2 SR	6 Step Crest Truncation Ring CT 06
1/16	27	R TF 00116 027	✓	✓	⚙	⚙	⚙
1/8	27	R TF 00108 027	✓	✓	⚙	⚙	⚙
1/4	18	R TF 00104 018	✓	✓	⚙	⚙	⚙
3/8	18	R TF 00308 018	✓	✓	⚙	⚙	⚙
1/2	14	R TF 00102 014	✓	✓	⚙	⚙	⚙
3/4	14	R TF 00304 014	✓	✓	⚙	⚙	⚙
1	11,5	R TF 00100 115	✓	✓	⚙	⚙	⚙
1.1/4	11,5	R TF 00114 115	✓	✓	⚙	⚙	⚙
1.1/2	11,5	R TF 00112 115	✓	✓	⚙	⚙	⚙
2	11,5	R TF 00200 115	✓	✓	⚙	⚙	⚙
2.1/2	8	R TF 00212 008	✓	✓	⚙	⚙	⚙
3	8	R TF 00300 008	✓	✓	⚙	⚙	⚙

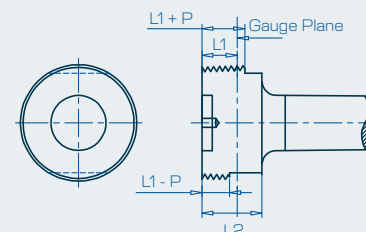
✓ Available in stock ⚙ Manufactured against order ✗ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

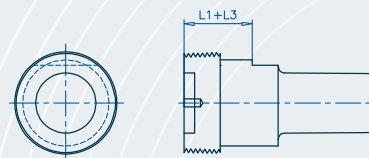
NPTF / PTF THREAD PROFILE



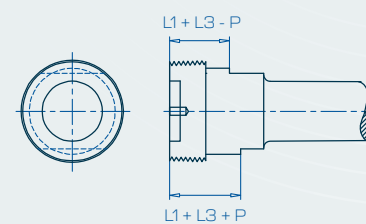
NPTF L1 Basic Plug



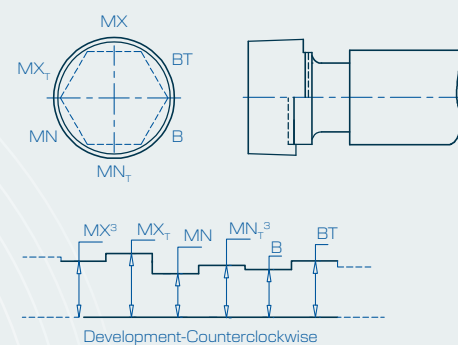
NPTF L1 Step Limit Plug
(3-step design)



NPTF L3 Basic Plug

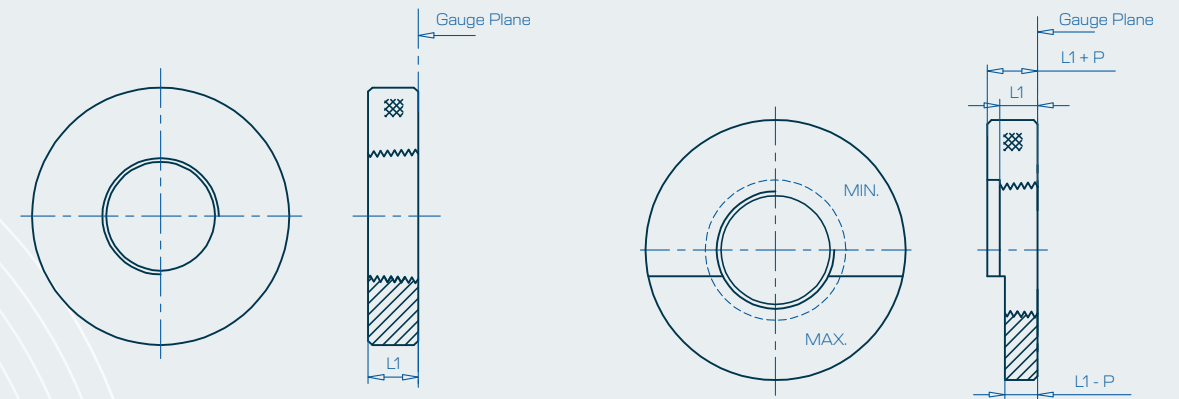


NPTF L3 Step Limit Plug
(2-step design)



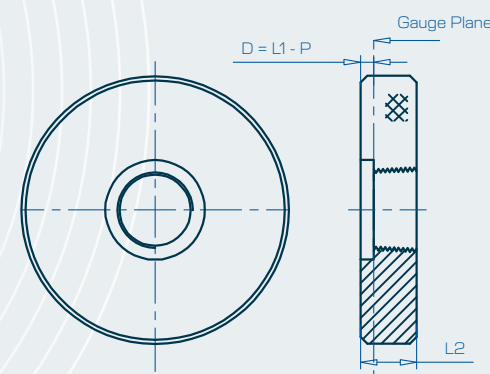
Taper Plain Plug to Check Crest of Threads
(6-step design)

NPTF / PTF THREAD PROFILE

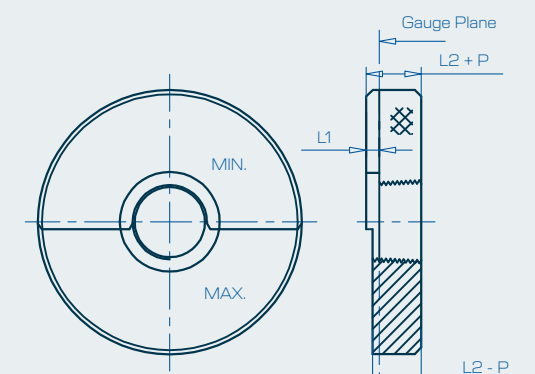


NPTF L1 Basic Ring

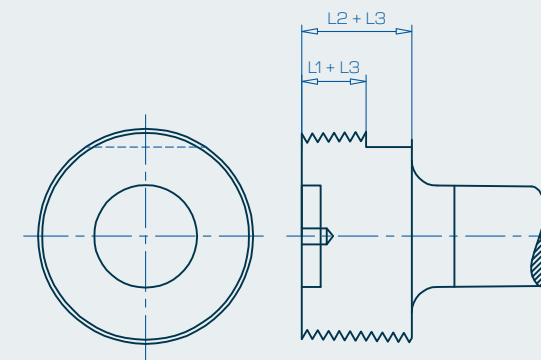
NPTF L1 Step Limit Ring



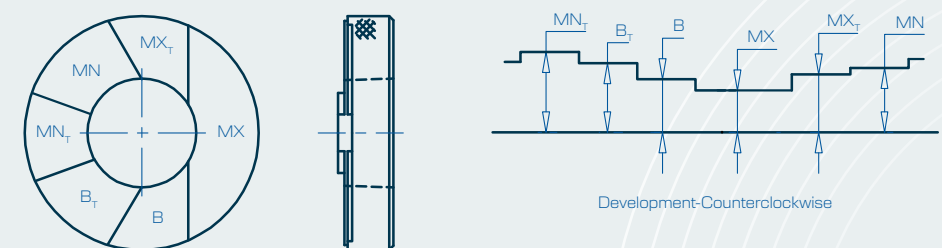
NPTF L2 Basic Ring



NPTF L2 Step Limit Ring



CP / Master Plug Gauge for Checking L1&L3 Rings



Crest Truncation Ring (6-step design)

WHITWORTH GAUGES



APPLICATIONS

Used in industries where threaded connections are used, including plumbing and heating systems, oil and gas pipelines, industrial machinery and equipment, fluid and gas transportation systems

Whitworth gauges are precision tools designed to measure and verify the thread dimension in the Inch system of Whitworth threads, where clearance between male and female threads is to be controlled. These gauges ensure compliance with British Standard Whitworth (BSW) thread profiles, widely used in engineering and plumbing for secure and reliable pipe connections.

THREAD PROFILE
55° Whitworth.

SPECIFICATIONS

- BS 84 - 2007
- BS 919 Part II - 2007

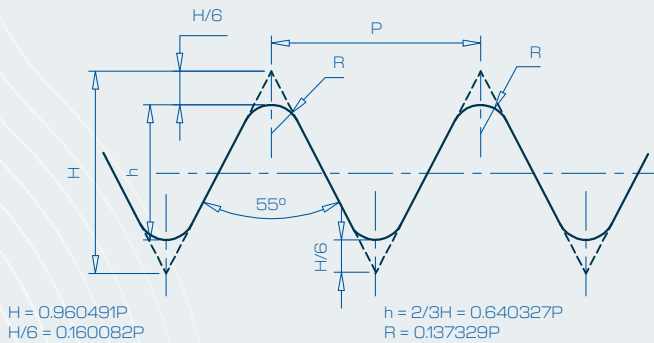
SIZE

Diameters (Inch): From 1/8 to 4.

TYPES OF GAUGES

- BSW - British Standard Whitworth:
used for general applications and is the main part of the Whitworth system.
- BSF- British Standard Fine:
has a higher degree of precision and is used where greater control over tolerance is required.
- BSB - British Standard Brass:
is intended for use in the manufacture of brass products and has its own characteristics.
- Whits - Special Diameter TPI combination not covered in the table given below.

BSW / BSF WHITWORTH THREAD PROFILE



Gauges with TPI in parentheses are supplied in truncated form.

MANUFACTURING RANGE

Diameter	BSW	BSF	BSB	Type of Thread Gauges Used				
1/8	40	-	26	Thread Plug Gauges	Plain plugs to check tapped holes/ minor diameter	Thread Ring Gauges	Check Plug Gauges to Check New Rings	Wear Check Plug Gauges to Check/ Calibrate Used Rings
5/32*	32	-	-					
3/16	24	32	26					
7/32*	24	28	*					
1/4	20	26	26					
9/32*	-	26	-					
5/16	18	22	26					
3/8	16	20	26					
7/16	14	18	26					
1/2	12	16	26					
9/16*	12	16	26					
5/8	11	14	26					
11/16*	-	14	*					
3/4	10	12	26					
13/16*	-	12	-					
7/8	9	11	26	Internal Threads (Plugs) Medium Class Normal Class Close Class				External Threads (Rings) Medium Class Free Class Close Class
1	8	10	26					
11/8	7	9	26					
11/4	7	9	26					
1.3/8*	-	8	26					
1.1/2	(6)	(8)	26					
1.5/8*	5	8	-					
1.3/4	(5)	(7)	26					
1.7/8*	4.5	-	-					
2	(4.5)	(7)	26					
2.1/4	(4)	(6)	*					
2.1/2	(4)	(6)	*					
2.3/4	(3.5)	(6)	*					
3	(3.5)	(5)	*					
3.1/4*	(3.25)	(5)	*					
3.1/2	(3.25)	(4.5)	*					
3.3/4*	(3)	(4.5)	*					
4	(3)	(4.5)	*					
5	(2.75)	-	*					
5.1/2	(2.625)	-	*					
6	(2.5)	-	*					

* - Marked sizes not recommended for use.

BRITISH STANDARD
WHITWORTH

Size	TPI	Thread Plug Gauges GO & NOGO		Thread Ring Gauge GO		Thread Ring Gauge NOGO	
		Catalogue Code		Catalogue Code		Catalogue Code	
1/8	40	P BS 00108 040 M DR		R BS 00108 040 M GR		R BS 00108 040 M NR	
3/16	24	P BS 00316 024 M DR		R BS 00316 024 M GR		R BS 00316 024 M NR	
1/4	20	P BS 00104 020 M DR		R BS 00104 020 M GR		R BS 00104 020 M NR	
5/16	18	P BS 00516 018 M DR		R BS 00516 018 M GR		R BS 00516 018 M NR	
3/8	16	P BS 00308 016 M DR		R BS 00308 016 M GR		R BS 00308 016 M NR	
7/16	14	P BS 00716 014 M DR		R BS 00716 014 M GR		R BS 00716 014 M NR	
1/2	12	P BS 00102 012 M DR		R BS 00102 012 M GR		R BS 00102 012 M NR	
9/16	12	P BS 00916 012 M DR		R BS 00916 012 M GR		R BS 00916 012 M NR	
5/8	11	P BS 00508 011 M DR		R BS 00508 011 M GR		R BS 00508 011 M NR	
3/4	10	P BS 00304 010 M DR		R BS 00304 010 M GR		R BS 00304 010 M NR	
7/8	9	P BS 00708 009 M DR		R BS 00708 009 M GR		R BS 00708 009 M NR	
1	8	P BS 00100 008 M DR		R BS 00100 008 M GR		R BS 00100 008 M NR	
1 1/8	7	P BS 00118 007 M DR		R BS 00118 007 M GR		R BS 00118 007 M NR	
1 1/4	7	P BS 00114 007 M DR		R BS 00114 007 M GR		R BS 00114 007 M NR	
1 3/8	6	P BS 00138 006 M DR		R BS 00138 006 M GR		R BS 00138 006 M NR	
1 1/2	6	P BS 00112 006 M DR		R BS 00112 006 M GR		R BS 00112 006 M NR	
1 3/4	5	P BS 00134 005 M DR		R BS 00134 005 M GR		R BS 00134 005 M NR	
2	4 1/2	P BS 00200 412 M DR		R BS 00200 412 M GR		R BS 00200 412 M NR	

 Available in stock  Manufactured against order  Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

BRITISH STANDARD
FINE

Size	TPI	Thread Plug Gauges GO & NOGO		Thread Ring Gauge GO		Thread Ring Gauge NOGO	
		Catalogue Code		Catalogue Code		Catalogue Code	
3/16	32	P BF 00316 032 M DR		R BF 00316 032 M GR		R BF 00316 032 M NR	
7/32	28	P BF 00732 028 M DR		R BF 00732 028 M GR		R BF 00732 028 M NR	
1/4	26	P BF 00104 026 M DR		R BF 00104 026 M GR		R BF 00104 026 M NR	
9/32	26	P BF 00932 026 M DR		R BF 00932 026 M GR		R BF 00932 026 M NR	
5/16	22	P BF 00516 022 M DR		R BF 00516 022 M GR		R BF 00516 022 M NR	
3/8	20	P BF 00308 020 M DR		R BF 00308 020 M GR		R BF 00308 020 M NR	
7/16	18	P BF 00716 018 M DR		R BF 00716 018 M GR		R BF 00716 018 M NR	
1/2	16	P BF 00102 016 M DR		R BF 00102 016 M GR		R BF 00102 016 M NR	
9/16	16	P BF 00916 016 M DR		R BF 00916 016 M GR		R BF 00916 016 M NR	
5/8	14	P BF 00508 014 M DR		R BF 00508 014 M GR		R BF 00508 014 M NR	
11/16	14	P BF 01116 014 M DR		R BF 01116 014 M GR		R BF 01116 014 M NR	
3/4	12	P BF 00304 012 M DR		R BF 00304 012 M GR		R BF 00304 012 M NR	
7/8	11	P BF 00708 011 M DR		R BF 00708 011 M GR		R BF 00708 011 M NR	
1	10	P BF 00100 010 M DR		R BF 00100 010 M GR		R BF 00100 010 M NR	

 Available in stock  Manufactured against order  Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

WHITWORTH R-PIPE GAUGES



APPLICATIONS

Used in plumbing, gas and hydraulic systems, and other piping installations where reliable, leak-proof connections are required. Gauge dimensions and tolerances are strictly defined by DIN 2999 to ensure compatibility and sealing performance.

Whitworth R-Pipe gauges are precision tools designed to check the accuracy of tapered external pipe threads manufactured according to the DIN 2999 standard. These threads are characterized by an external taper and are typically matched with internal parallel threads. They are commonly used in systems where pressure-tight joints are formed directly on the threads, without additional sealing elements.

THREAD PROFILE
55° Whitworth, 1:16 taper

SPECIFICATIONS

- DIN 2999

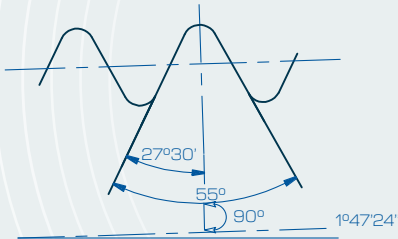
SIZE

Diameters (Inch): From 1/8 to 4.

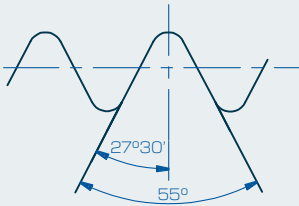
TYPES OF R-PIPE GAUGES

- Taper Plug Gauges
- Parallel Ring Gauges
- Check Plug Gauge to check rings

BRITISH STANDARD WHITWORTH



Taper Thread Plug



Parallel Thread Ring

WHITWORTH PLUG



Taper Thread Plug

Diameter	TPI	Catalogue Code	OO TR
1/8	28	P RD 00108 028	✓
1/4	19	P RD 00104 019	✓
3/8	19	P RD 00308 019	✓
1/2	14	P RD 00102 014	✓
3/4	14	P RD 00304 014	✓
1	11	P RD 00100 011	✓
1 1/4	11	P RD 00114 011	✓
1 1/2	11	P RD 00112 011	✓
2	11	P RD 00200 011	✓
2 1/2	11	P RD 00212 011	✓
3	11	P RD 00300 011	✓
4	11	P RD 00400 011	✓

WHITWORTH RING



Taper Thread Ring

Diameter	TPI	Catalogue Code	OO TR
1/8	28	R RD 00108 028	⚙
1/4	19	R RD 00104 019	✓
3/8	19	R RD 00308 019	✓
1/2	14	R RD 00102 014	✓
3/4	14	R RD 00304 014	✓
1	11	R RD 00100 011	✓
1 1/4	11	R RD 00114 011	✓
1 1/2	11	R RD 00112 011	✓
2	11	R RD 00200 011	✓
2 1/2	11	R RD 00212 011	✓
3	11	R RD 00300 011	✓
4	11	R RD 00400 011	⚙

✓ Available in stock ⚙ Manufactured against order ✕ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

NGT GAUGES



APPLICATIONS

NGT Gauges are essential for industries requiring high-pressure gas connections, such as: gas cylinder manufacturing, industrial gas supply systems, medical oxygen systems, propane and butane distribution. These gauges are used to inspect gas cylinder necks and valve stems for pitch diameter verification, minor and major diameter crest truncation, external and internal taper thread precision.

NGT (National Gas Taper) Gauges are specialized tools designed for precise measurement and verification of threads used in gas cylinder valves and other pressure-sensitive applications. They ensure the highest level of safety and accuracy for gas systems by adhering to strict industry standards.

THREAD PROFILE

Tapered thread with 1:16 taper.

SPECIFICATIONS

- IS 15894 - 2018
- Handbook H-28 Part II - 1957 / CGA V-1-2001
- IS 9121 - 1979

RANGE

From 1/8-27 NGT to 1.1/2-11.5 NGT.

TYPES OF GAUGES

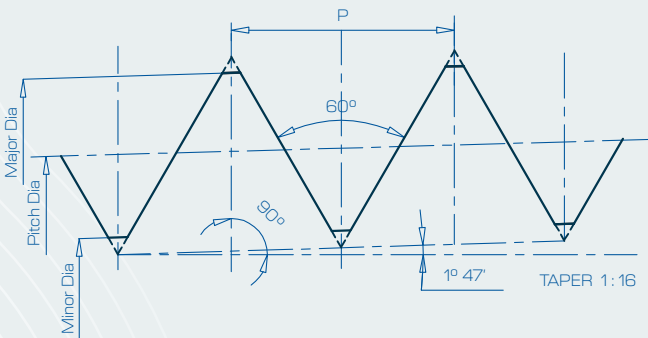
PLUG GAUGES

- L1 Taper Thread Plug gauge to check pitch diameter of cylinder neck
- L9 Full Form Taper Thread Plug gauge to check thread in cylinder neck
- C1 Maximum Truncation Plain Taper Plug
- C2 Minimum Truncation Plain Taper Plug
- Master Check Plug for Checking Thread Ring gauges L1 and L8

RING GAUGES

- Taper Thread Ring L1 to check pitch diameter of valve
- Taper Thread Ring L8 to check pitch diameter of valve
- Plain Taper 6 Step Ring to check crest truncation of major diameter of valve

NGT THREAD PROFILE



Custom designs and specifications are available upon request to meet specific customer needs. Custom sizes and oversize options are available for chlorine-specific threads (3/4-14 NGT).

NGT THREAD GAUGES

Diameter	Type of Gauges				
1/8-27 NGT	Taper Thread Plug Gauges to check Pitch Diameter of Cylinder Neck	Plain Taper Plugs to check Crest Truncation of Minor Diameter of Cylinder Neck	Taper Thread Ring Gauges to check Pitch Diameter of Valve	Plain Taper Ring to check Crest Truncation of Major Diameter of Valve (Six Step design)	Master Check Plug Gauge to check L1 & L8 Thread Rings
1/4-18 NGT					
3/8-18 NGT					
1/2-14 NGT					
3/4-14 NGT	Gauge L1 & Gauge L9	Gauge C1 & Gauge C2	Gauge L1 & Gauge L8		
1-11.5 NGT					
1 1/2-11.5 NGT					

FOR CHLORINE (CL)
BASED ON H-28 PART II - 1957

3/4-14 NGT CL-1 is equivalent to standard 3/4-14 NGT					
3/4-14 NGT CL-2 4 turn oversize	Standard 3/4-14 NGT L1 & L9 Plugs to be used	Standard 3/4-14 NGT C1 & C2 Plugs to be used	3/4-14 NGT CL-2 L1 & L8	3/4-14 NGT CL-2 Crest Truncation Ring	3/4-14 NGT CL-2/CP for L1 & L8 Rings
3/4-14 NGT CL-3 8.5 turn oversize			3/4-14 NGT CL-3 L1 & L8	3/4-14 NGT CL-3 Crest Truncation Ring	3/4-14 NGT CL-3/CP for L1 & L8 Rings
3/4-14 NGT CL-4 14 turn oversize			3/4-14 NGT CL-4 L1 & L8	3/4-14 NGT CL-4 Crest Truncation Ring	3/4-14 NGT CL-4/CP for L1 & L8 Rings
3/4-14 NGT CL-5* 28 turn oversize			3/4-14 NGT CL-5 L1 & L8	3/4-14 NGT CL-5 Crest Truncation Ring	3/4-14 NGT CL-5/CP for L1 & L8 Rings

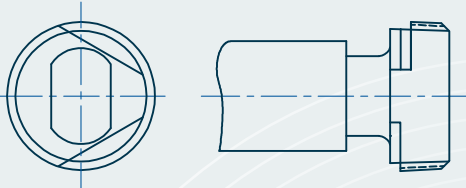
*Not recommended in H-28

Gauges for chlorine gas cylinder & oversize valves (CL-2, CL-3, CL-4, CL-5) are in our manufacturing program

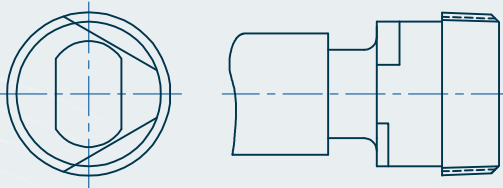
NGT PLUG

Diameter	TPI	Catalogue Code					
			L1 OR	L9 9R	CP OR	C1 00	C2 00
1/8	27	P NG 00108 027					
1/4	18	P NG 00104 018					
3/8	18	P NG 00308 018					
1/2	14	P NG 00102 014					
3/4	14	P NG 00304 014					
1	11,5	P NG 00100 115					
1 1/2	11,5	P NG 00112 115					

GAUGES FOR CHECKING
INTERNAL TAPER THREADS OF CYLINDER NECK

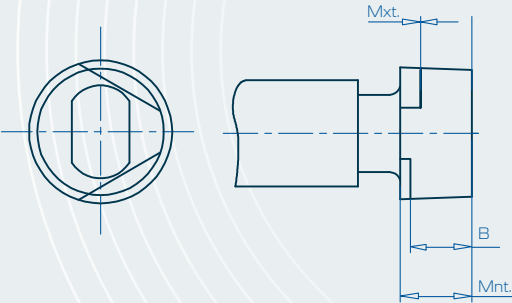


Thread Plug gauge for checking pitch diameter in cylinder neck L1 - gauge A

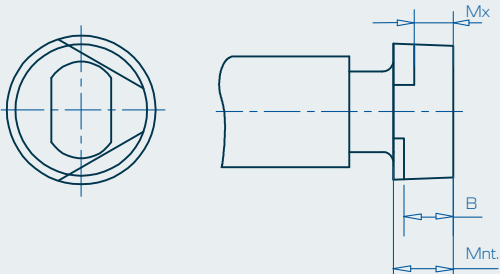


Full form taper Thread Plug gauge for checking thread in cylinder neck L9 - gauge B

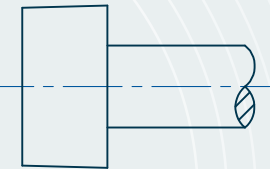
PLAIN TAPER GAUGE
TO CHECK CREST TRUNCATION IN CYLINDER NECK



Minimum truncation
Plain Taper plug - gauge C1



Minimum truncation
Plain Taper plug - gauge C2

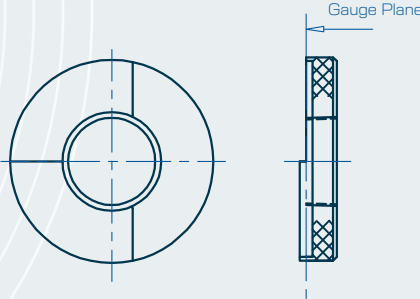


Plain Taper gauge to check crest truncation in cylinder neck - gauge C

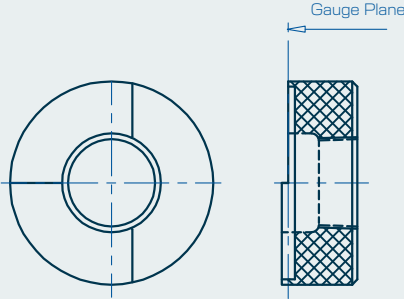
NGT RING

Diameter	TPI	Catalogue Code			
			L1 OR	L8 OR	CR 06
1/8	27	R NG 00108 027			
1/4	18	R NG 00104 018			
3/8	18	R NG 00308 018			
1/2	14	R NG 00102 014			
3/4	14	R NG 00304 014			
1	11,5	R NG 00100 115			
1 1/2	11,5	R NG 00112 115			

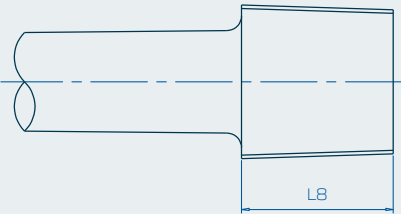
FOR CHECKING EXTERNAL TAPER THREADS OF VALVE STEM



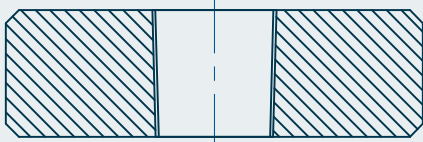
Taper Thread Ring gauge L1 - gauge D



Taper Thread Ring gauge L8 - gauge E

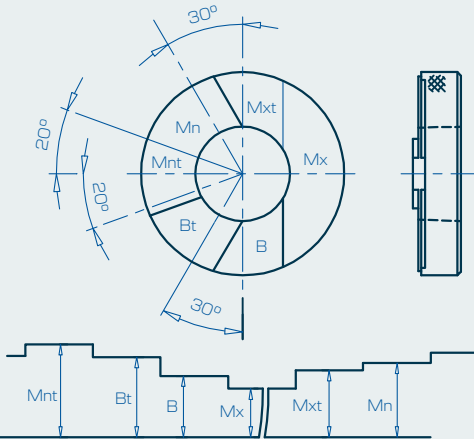


Master Check Plug to check rings L1&L8 (M-EXT)

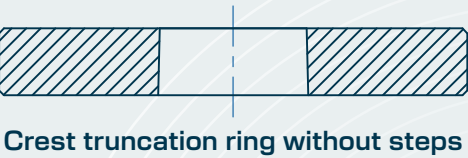


Master Taper Thread Ring Gauge (M-INT)

PLAIN TAPER RING TO CHECK CREST TRUNCATION



Plain Taper ring gauge for checking crest truncation of external threads (6-step design)



Crest truncation ring without steps

VALVE FITTINGS GAUGES



APPLICATIONS

Valves of containers used for transporting permanent, liquefiable, and dissolved gases up to 400 Bar working pressure. Valves for breathing apparatus. Fire extinguishers.

Valve fittings gauges (Non-LPG) are high-precision tools designed to inspect threads used in valve fittings, ensuring accuracy and reliability in critical applications. These gauges are essential for verifying thread dimensions, profiles, and tolerances in systems requiring leak-proof and durable connections.

THREAD PROFILE
60° tapered threads.

SPECIFICATIONS

- ISO 11363-2018
- BS EN ISO 11363-2018
- IS 9122-2008
- Additional sizes are covered in DIN 477 and BS 341-1991

RANGE

- 17E & 25E
- W19.8, W28.8, W31.1
- 16T, 18T, 19T, 32T, 25T, 26T

W19.8 - is equivalent to 17E as per BS EN ISO 11363
W28.8 - is equivalent to 25E as per BS EN ISO 11363

GAUGE TYPES USED FOR CHECKING

FOR INTERNAL THREADS

THREAD PLUG GAUGES (SET OF 3 GAUGES)

- Single part Thread Plug to check Pitch Dia. (I-2)
- Two-part Thread Plug to check Pitch Dia. at Small end (I-4)
- Two-part Thread Plug to check Pitch Dia. at Large end (I-6)

PLAIN PLUG GAUGES (SET OF 3 GAUGES)

- Single part Plain Plug to check Minor Dia. (I-1)
- Two-part Plain Plug to check Minor Dia. at Small end (I-3)
- Two-part Plain Plug to check Minor Dia. at Large end (I-5)

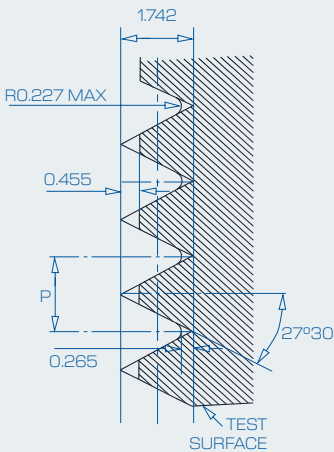
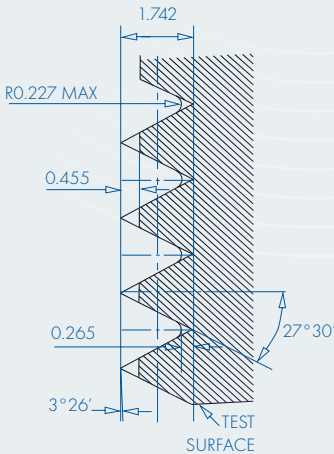
FOR EXTERNAL THREADS

THREAD RING GAUGES (SET OF 3 GAUGES)

- Single Part Thread Ring to check Pitch Dia. (I-8)
- Two-part Thread Ring to check Pitch Dia. at Small End (I-10)
- Two-part Thread Ring to check Pitch Dia. at Large End (I-12)

PLAIN RING GAUGES (SET OF 3 GAUGES)

- Single Part Plain Ring to check Major Dia. (I-7)
- Two-part Plain Ring to check Major Dia. at Small End (I-9)
- Two-part Plain Ring to check Major Dia. at Large End (I-11)

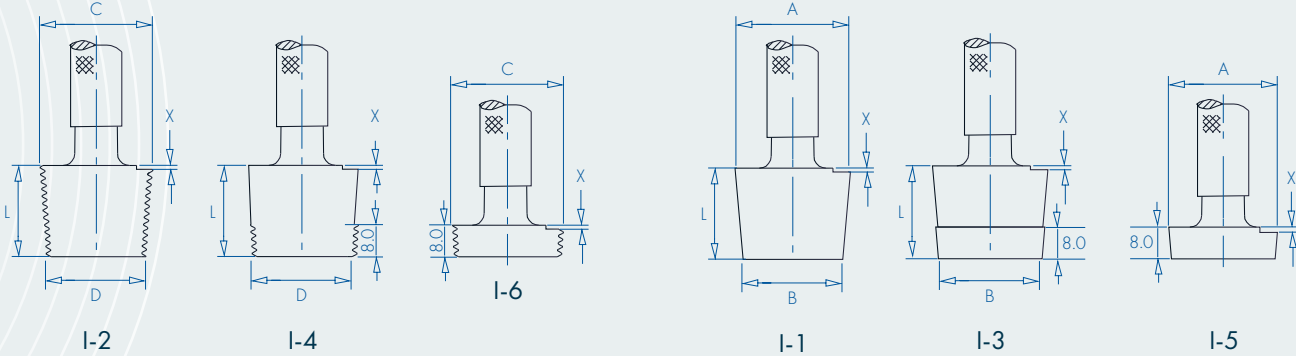


VALVE FITTINGS
THREAD PLUG



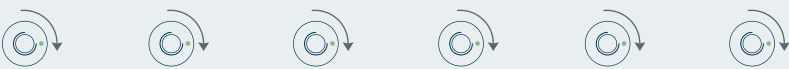
Diameter	TPI	Catalogue Code	Single Part Thread Plug Gauge I-2 I2 OR	2 Part Thread Plug to check Pitch Diameter at small end Gauge I-4 I4 OR	2 Part Thread Plug to check Pitch Diameter at large end Gauge I-6 I6 OR	Single Part Plain Plug Gauge I-1 I1 00	2 Part Plain Plug to check Pitch Diameter at small end Gauge I-3 I3 00	2 Part Plain Plug to check Pitch Diameter at large end Gauge I-5 I5 00
17E	14	P GS 00017 014	✓	✓	✓	✓	✓	✓
25E	14	P GS 00025 014	✓	✓	✓	✓	✓	✓

17E&25E



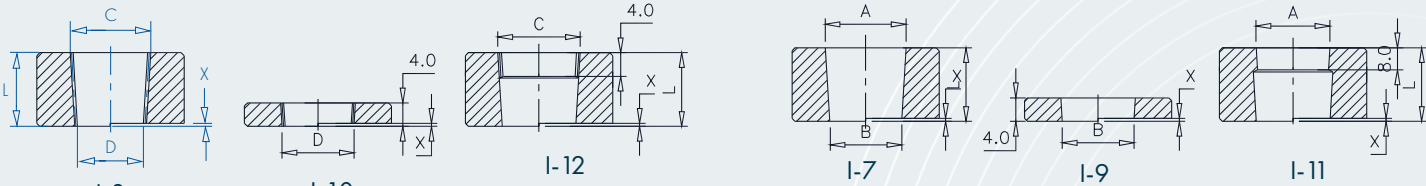
Thread Plug gauges to check internal threads. Set of three gauges I-2, I-4, I-6
Plain Taper Plug gauges to check minor diameter of internal threads. Set of three gauges I-1, I-3, I-5

VALVE FITTINGS
THREAD RING



Diameter	TPI	Catalogue Code	Single Part Thread Ring Gauge I-8 I8 OR	2 Part Thread Ring to check Pitch Diameter at small end Gauge I-10 I10 OR	2 Part Thread Ring to check Pitch Diameter at large end Gauge I-12 I12 R	Single Part Plain Ring Gauge I-7 I7 00	2 Part Plain Ring to check Pitch Diameter at small end Gauge I-9 I9 00	2 Part Plain Ring to check Pitch Diameter at large end Gauge I-11 I11 0
17E	14	R GS 00017 014	✓	✓	✓	✓	✓	✓
25E	14	R GS 00025 014	✓	✓	✓	✓	✓	✓

17E&25E



Thread Ring gauges to check external threads Set of three gauges I-8, I-10, I-12
Plain Taper Ring gauges to check major diameter of external threads - Set of three Gauges I-7, I-9, I-11

TRAPEZOIDAL GAUGES



APPLICATIONS

Trapezoidal threads are commonly used in lead screws in machinery and equipment, power transmission systems, actuators and linear motion systems, lifting mechanisms and jacks. Applications requiring high strength and smooth load distribution.



Trapezoidal thread gauges are precision tools designed to inspect threads with a trapezoidal profile. These threads are widely used in transmission systems where high load-carrying capacity and reliability are required, such as in power screws and machine tools.

THREAD PROFILE

30° flank angle with a flat crest and root, providing robust and efficient load transmission.

SPECIFICATIONS

- IS 7008 Part 1&4 - 1999, Part 2&3 - 1988
 - DIN 103 (9) 1985
- ISO 2903 - 2016
 - ISO 2904 - 1977

RANGE

- Right-Hand (RH) and Left-Hand (LH) gauges for external and internal threads
- Plain Plugs to check minor diameter of internal threads
- Plain Rings to check major diameter of external threads
- Check Plug gauges
- Wear Check Plug gauges

TYPES OF GAUGES

FOR INTERNAL THREADS

THREAD PLUG GAUGES

- Diameter range (mm): 8 - 350
- Pitches (mm): 1.5, 2, 3, 4, 5, 6, 7, 8, 10, 12

PLAIN PLUG GAUGES TO CHECK MINOR DIAMETER

- Diameter range (mm): 8 - 285

FOR EXTERNAL THREADS

THREAD RING GAUGES

- Diameter range (mm): 8 - 300
- Pitches (mm): 1.5, 2, 3, 4, 5, 6, 7, 8, 10, 12

PLAIN RING GAUGES TO CHECK MAJOR DIAMETER

- Diameter range (mm): 8 - 285

TOLERANCE

PLUG GAUGES

- 7H, 8H

RING GAUGES

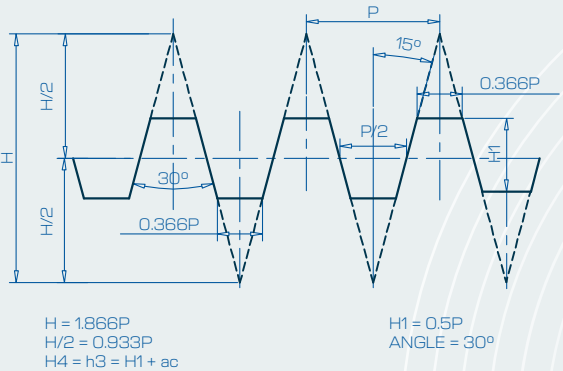
- 7e, 8e, 7c, 8c

Diameter	(mm) P	Catalogue Code	 GO & NOGO Plug 7H RH 7H DR		 GO Ring 7e RH 7E GR		 NOGO Ring 7E RH 7E NR	
			Catalogue Code		Catalogue Code		Catalogue Code	
8	1.5	P TR 00008 150 7H DR			R TR 00008 150 7E GR		R TR 00008 150 7E NR	
10	2	P TR 00010 200 7H DR			R TR 00010 200 7E GR		R TR 00010 200 7E NR	
11	2	P TR 00011 200 7H DR			R TR 00011 200 7E GR		R TR 00011 200 7E NR	
12	3	P TR 00012 300 7H DR			R TR 00012 300 7E GR		R TR 00012 300 7E NR	
14	3	P TR 00014 300 7H DR			R TR 00014 300 7E GR		R TR 00014 300 7E NR	
16	4	P TR 00016 400 7H DR			R TR 00016 400 7E GR		R TR 00016 400 7E NR	
18	4	P TR 00018 400 7H DR			R TR 00018 400 7E GR		R TR 00018 400 7E NR	
20	4	P TR 00020 400 7H DR			R TR 00020 400 7E GR		R TR 00020 400 7E NR	
22	5	P TR 00022 500 7H DR			R TR 00022 500 7E GR		R TR 00022 500 7E NR	
24	5	P TR 00024 500 7H DR			R TR 00024 500 7E GR		R TR 00024 500 7E NR	
26	5	P TR 00026 500 7H DR			R TR 00026 500 7E GR		R TR 00026 500 7E NR	
28	5	P TR 00028 500 7H DR			R TR 00028 500 7E GR		R TR 00028 500 7E NR	
30	6	P TR 00030 600 7H DR			R TR 00030 600 7E GR		R TR 00030 600 7E NR	
32	6	P TR 00032 600 7H DR			R TR 00032 600 7E GR		R TR 00032 600 7E NR	

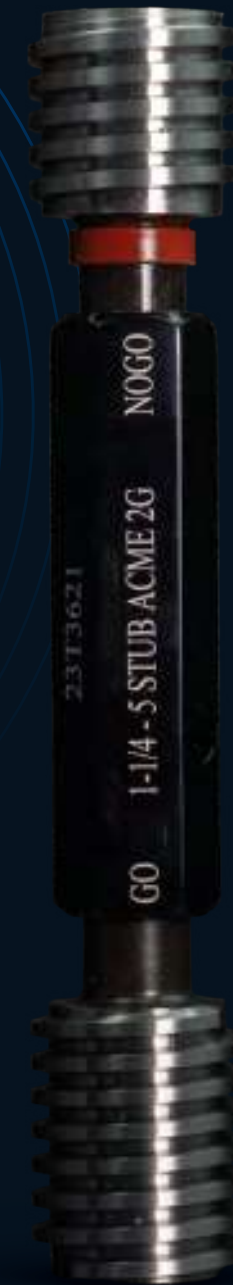
 Available in stock  Manufactured against order  Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

TRAPEZOIDAL THREAD PROFILE



ACME AND STUB ACME GAUGES



APPLICATIONS

ACME thread gauges are used in linear motion and heavy-load machinery.

Stub ACME thread gauges are ideal for space-limited systems and light-to-medium load applications.

ACME thread gauges are precision tools designed to inspect threads with the ACME profile. These threads are primarily used in power transmission systems and linear motion mechanisms, offering smooth operation and excellent load-carrying capacity.

They are similar to trapezoidal threads. Trapezoidal type follows the metric system, while ACME threads are based on the inch/imperial system.

Stub ACME Gauges are modified versions of standard ACME threads. The Stub ACME profile features a reduced thread height, making it ideal for applications where space is limited or weight reduction is critical while still maintaining the strength and functionality of ACME threads.

THREAD PROFILE
29° flank angle with a flat crest and root.

SPECIFICATIONS

FOR ACME GAUGES

- ASME B 1.5 - 1997
- BS 1104 - 1957

FOR STUBACME GAUGES

- ANSI/ASME B 1.8 - 1988

RANGE

- Plain Plugs to check minor diameter of internal threads
- Plain Rings to check major diameter of external threads
- Check Plug gauges
- Wear Check Plug gauges

SIZES
Plug gauges: 1/4 - 14 inch
Ring gauges: 1/4 - 12 inch

TOLERANCE

G
G is the most commonly used tolerance class

3G
3G class is used for general purpose assemblies while classes above 3 are progressively closer tolerance classes like 4G, 5G etc. Classes below 3 are have coarse tolerance and are suitable for loose fit. Example 2G class.

CENTRALIZING ACME AND STUBACME

Has limited clearance at the major diameter of screw & nut. The limited clearance enables a bearing at the diameter to maintain alignment of the thread axis, preventing the wedging on the flanks & part from sagging. Five classes are used 2C, 3C, 4C, 5C, 6C.

ACME THREAD PLUG



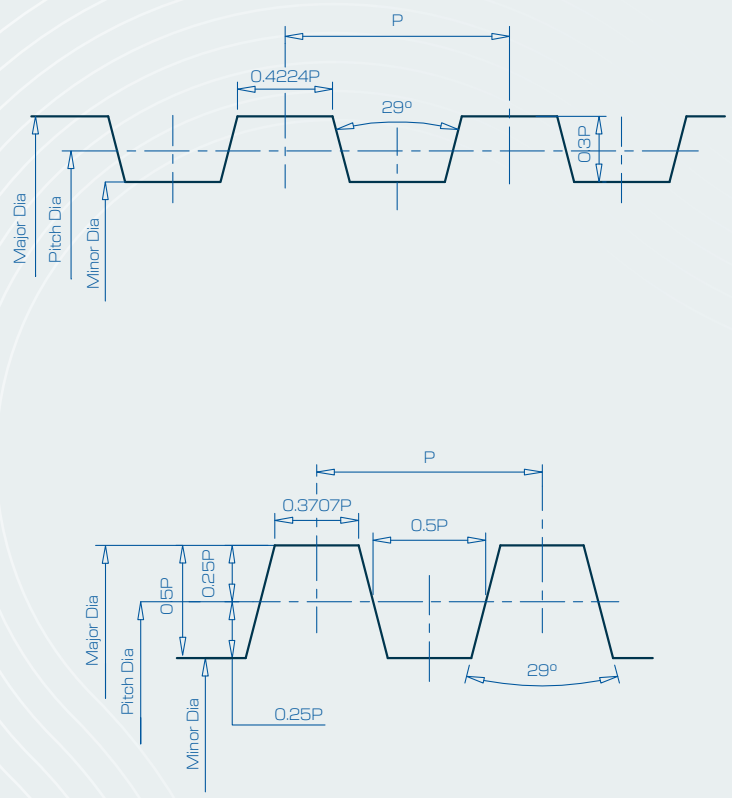
Size	TPI	Catalogue Code	Thread Plug Gauges GO & NOGO	
			2G	3G
1	8	P AC 00100 800	⚙	⚙
	6	P AC 00100 600	⚙	⚙
1 1/4	5	P AC 00100 500	⚙	⚙
	6	P AC 00114 600	⚙	⚙
1 1/2	5	P AC 00114 500	⚙	⚙
	5	P AC 00112 500	⚙	⚙
1 3/4	4	P AC 00112 400	⚙	⚙
	4	P AC 00134 400	⚙	⚙
2	6	P AC 00200 600	⚙	⚙
	5	P AC 00200 500	⚙	⚙
2 1/2	4	P AC 00200 400	⚙	⚙
	5	P AC 00212 500	⚙	⚙
3	4	P AC 00212 400	⚙	⚙
	3	P AC 00300 400	⚙	⚙
3 1/2	3	P AC 00300 300	⚙	⚙
	4	P AC 00312 400	⚙	⚙
4	3	P AC 00312 300	⚙	⚙
	4	P AC 00400 400	⚙	⚙
5	3	P AC 00400 300	⚙	⚙
	2	P AC 00500 300	⚙	⚙
6	2	P AC 00500 200	⚙	⚙
	3	P AC 00600 300	⚙	⚙
7	2	P AC 00600 200	⚙	⚙
	2	P AC 00700 200	⚙	⚙
8	2	P AC 00800 200	⚙	⚙
	2	P AC 01000 200	⚙	⚙
10	2	P AC 01200 200	⚙	⚙
	2	P AC 01200 112	⚙	⚙

✓ Available in stock ⚙ Manufactured against order ✕ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

Diameter	TPI	Tolerance	Long	Type	Usage
1	8	2G	45	Plug GO/NOGO	• Thin-walled components • Shallow threading • Precision joints • Precision screw • Short- stroke actuators • Small winchers • Short power transmissions • Precision mechanical engineering • Nuts • Thin- walled nuts • Lifting systems
1 1/4	8	2G	50		
1 1/2	6, 8	2G/3G	55		
1 3/4	6	2G	60	Plug GO	
2	5, 6	2G	65	Plug GO/NOGO	
2 1/2	5	2G	70	Plug GO	
3	4, 5	2G	75	Ring GO/NOGO	
3 1/2	4	2G	80		
4	4	2G	85		
5	3	2G	95	Ring GO	
6	3	2G	100		

STUB ACME THREAD PROFILE



PLAIN GAUGES



APPLICATIONS

Plain gauges are used for attribute inspection of both internal and external diameters, ensuring that parts conform to specified dimensional tolerances.

Typical applications include precision engineering, manufacturing quality control, inspection in automotive, aerospace, and machinery industries.

Plain gauges are precision instruments used for attribute inspection of internal and external diameters. These gauges ensure that parts meet specific dimensional tolerances, playing a critical role in quality control and manufacturing processes.

SPECIFICATIONS

- ISO 286 Part 1 & 2-2010
 - ISO 3670-1979
 - DIN 7164-2017
 - DIN 7163-2017
 - DIN 2250-2008
 - DIN 2254
- IS 919 Part 1 & 2-2014
 - IS 3455-1971
 - IS 7589-1975
 - IS 6137-1983
 - IS 5388-1983
 - IS 6244-1980

HANDLE DESIGN

ANSI B47.1 | BS 1044 Part 1 | ISO 3670-1979

TYPES OF GAUGES

INTERNAL DIAMETER GAUGING

PLAIN PLUG GAUGES

- Diameters 0.5 mm to 10 mm: Reversible pin type design
- Diameters 10 mm to 40 mm: Taperlock design
- Diameters 40 mm to 100 mm: Trilock design
- Diameters 100 mm to 300 mm: Plate type gauges in steel

EXTERNAL DIAMETER GAUGING

PLAIN RING GAUGES

- Diameters 1 mm to 300 mm: GO and NOGO Rings

TOLERANCE

Standard and most popular tolerances are H7 for plugs and h7 for rings.

 We can manufacture gauges with any tolerance according to ISO standards or upon customer request, such as +0.100 or other specific requirements.

PLAIN RING

Ø mm Diameter	Catalogue Code		
		GO Ring h7 H7 GO	NOGO Ring h7 H7 NO
3	R PI 00003 000	✓	✓
4	R PI 00004 000	✓	✓
5	R PI 00005 000	✓	✓
6	R PI 00006 000	✓	✓
7	R PI 00007 000	✓	✓
8	R PI 00008 000	✓	✓
9	R PI 00009 000	✓	✓
10	R PI 00010 000	✓	✓
12	R PI 00012 000	✓	✓
14	R PI 00014 000	✓	✓
16	R PI 00016 000	✓	✓
18	R PI 00018 000	✓	✓
20	R PI 00020 000	✓	✓
23	R PI 00023 000	✓	✓
26	R PI 00026 000	✓	✓
29	R PI 00029 000	✓	✓
32	R PI 00032 000	✓	✓
35	R PI 00035 000	✓	✓
40	R PI 00040 000	⚙	⚙
45	R PI 00045 000	⚙	⚙
50	R PI 00050 000	⚙	⚙
55	R PI 00055 000	⚙	⚙
60	R PI 00060 000	⚙	⚙
65	R PI 00065 000	⚙	⚙
70	R PI 00070 000	⚙	⚙
75	R PI 00075 000	⚙	⚙
80	R PI 00080 000	⚙	⚙
85	R PI 00085 000	⚙	⚙
90	R PI 00090 000	⚙	⚙
95	R PI 00095 000	⚙	⚙
100	R PI 00100 000	⚙	⚙

✓ Available in stock ⚙ Manufactured against order ✕ Not applicable

All the sizes & tolerances specified in DIN/ISO are covered in our manufacturing program.

 *Special tolerances specified by customers like Dia.25.000 +0.100 mm or Dia.12.000 +0.050/-0.025 mm.

PLAIN PLUG

Ø mm Diameter	Catalogue Code	Plug H7 GO & NOGO H7 DO	Diameter Ø mm	Catalogue Code	Plug H7 GO & NOGO H7 DO
1	P PI 00001 000	✓	32	P PI 00032 000	✓
2	P PI 00002 000	✓	33	P PI 00033 000	✓
3	P PI 00003 000	✓	34	P PI 00034 000	✓
4	P PI 00004 000	✓	35	P PI 00035 000	✓
5	P PI 00005 000	✓	36	P PI 00036 000	✓
6	P PI 00006 000	✓	37	P PI 00037 000	✓
7	P PI 00007 000	✓	38	P PI 00038 000	✓
8	P PI 00008 000	✓	39	P PI 00039 000	✓
9	P PI 00009 000	✓	40	P PI 00040 000	✓
10	P PI 00010 000	✓	41	P PI 00041 000	✓
11	P PI 00011 000	✓	42	P PI 00042 000	✓
12	P PI 00012 000	✓	43	P PI 00043 000	✓
13	P PI 00013 000	✓	44	P PI 00044 000	✓
14	P PI 00014 000	✓	45	P PI 00045 000	✓
15	P PI 00015 000	✓	46	P PI 00046 000	✓
16	P PI 00016 000	✓	47	P PI 00047 000	✓
17	P PI 00017 000	✓	48	P PI 00048 000	✓
18	P PI 00018 000	✓	48	P PI 00049 000	✓
19	P PI 00019 000	✓	50	P PI 00050 000	✓
20	P PI 00020 000	✓	51	P PI 00051 000	✓
21	P PI 00021 000	✓	52	P PI 00052 000	✓
22	P PI 00022 000	✓	53	P PI 00052 000	✓
23	P PI 00023 000	✓	54	P PI 00054 000	✓
24	P PI 00024 000	✓	55	P PI 00055 000	✓
25	P PI 00025 000	✓	56	P PI 00056 000	✓
26	P PI 00026 000	✓	57	P PI 00057 000	✓
27	P PI 00027 000	✓	58	P PI 00058 000	✓
28	P PI 00028 000	✓	59	P PI 00059 000	✓
29	P PI 00029 000	✓	60	P PI 00060 000	✓
30	P PI 00030 000	✓	61	P PI 00061 000	✓
31	P PI 00031 000	✓	62	P PI 00062 000	✓

*Special tolerances specified by customers like Dia.35.000 +0.150 mm or Dia.20.000 +0.1/-0.050 mm.

**In your order please specify Diameter * Tolerance in addition to the 11 characters order code like: P PI 00045 - Ø48 G8 and P PI 00012 000 Ø2 +0.1 mm.

For plain gauges catalogue code is of only 11 characters.

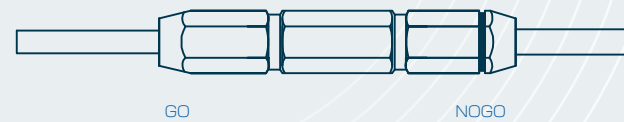
PLAIN PLUG

Ø mm Diameter	Catalogue Code	Plug H7 GO & NOGO H7 GO	Plug H7 GO H7 NO
60	P PI 00060 000	✓	✓
62	P PI 00062 000	✓	✓
65	P PI 00065 000	✓	✓
68	P PI 00068 000	✓	✓
70	P PI 00070 000	✓	✓
72	P PI 00072 000	✓	✓
75	P PI 00075 000	✓	✓
78	P PI 00078 000	✓	✓
80	P PI 00080 000	✓	✓
82	P PI 00082 000	✓	✓
85	P PI 00085 000	✓	✓
88	P PI 00088 000	✓	✓
90	P PI 00090 000	✓	✓
95	P PI 00095 000	✓	✓
100	P PI 00100 000	✓	✓
105	P PI 00105 000	✓	✓
110	P PI 00110 000	✓	✓
115	P PI 00115 000	✓	✓
120	P PI 00120 000	✓	✓
125	P PI 00125 000	✓	✓
130	P PI 00130 000	✓	✓
135	P PI 00135 000	✓	✓
140	P PI 00140 000	⚙	⚙
145	P PI 00145 000	⚙	⚙
150	P PI 00150 000	⚙	⚙
155	P PI 00155 000	⚙	⚙
160	P PI 00160 000	⚙	⚙
165	P PI 00165 000	⚙	⚙
170	P PI 00170 000	⚙	⚙
175	P PI 00175 000	⚙	⚙
180	P PI 00180 000	⚙	⚙
185	P PI 00185 000	⚙	⚙
190	P PI 00190 000	⚙	⚙
195	P PI 00195 000	⚙	⚙
200	P PI 00200 000	⚙	⚙

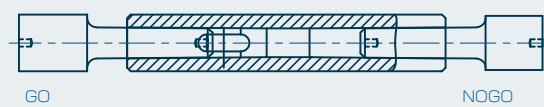
✓ Available in stock ⚙ Manufactured against order ✕ Not applicable

All the sizes & tolerances specified in DIN/ISO are covered in our manufacturing program.

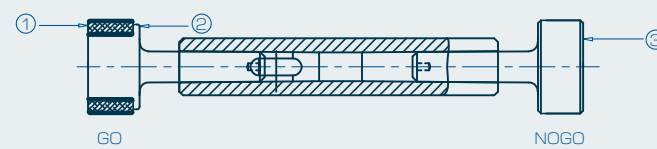
PRODUCTS FOR PLAIN PLUG GAUGES



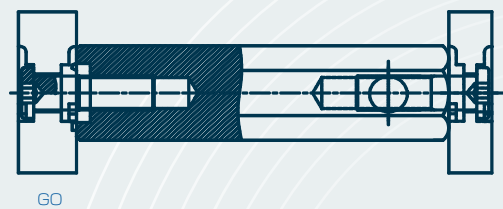
Reversible design
0.5 mm - 10 mm



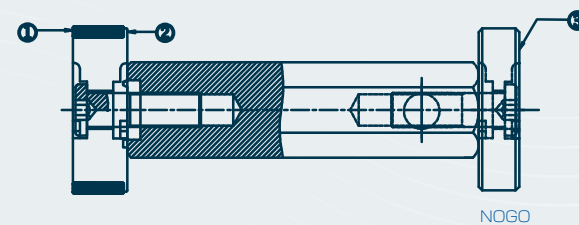
Taperlock design
10 mm - 40 mm



Tungstane
carbide



Trilock design
40 mm - 100 mm



Tungstane
carbide

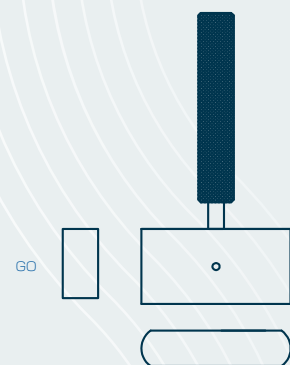
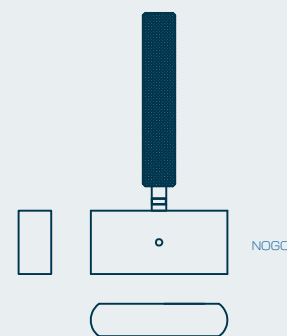
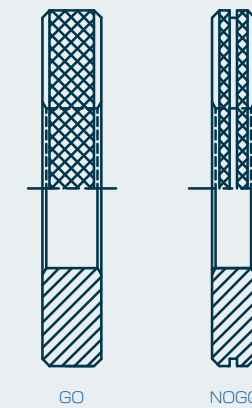


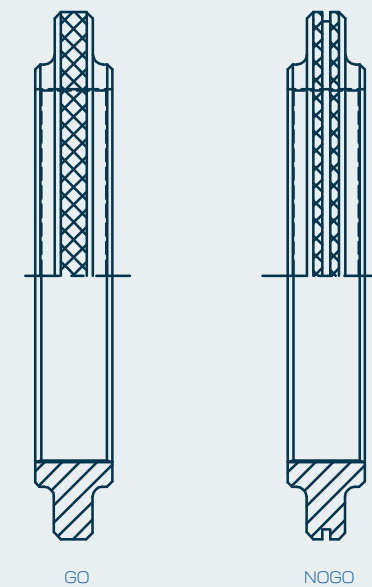
Plate type design
100 mm - 300 mm



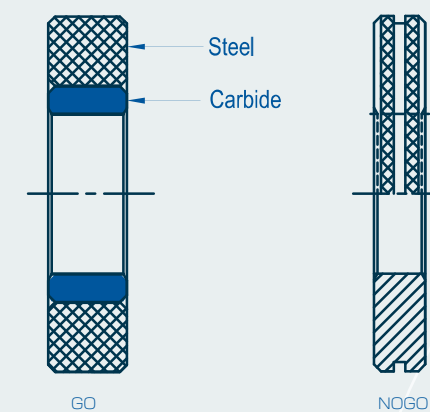
PRODUCTS FOR PLAIN RING GAUGES



1 mm - 100 mm



100 mm - 300 mm



Tungstane carbide
4 mm - 60 mm

SETTING RINGS



APPLICATIONS

Setting rings are utilized in the calibration of measuring instruments across various industries, including precision engineering, manufacturing quality control, calibration laboratories

Setting rings are precision tools used for the calibration and setting of measuring instruments. They ensure accurate performance of gauges and other measurement devices, which is crucial in maintaining quality control in manufacturing processes.

SPECIFICATIONS

· DIN 2250

RANGE

3 mm to 300 mm

TOLERANCE

MAXIMUM PERMISSIBLE DEVIATION

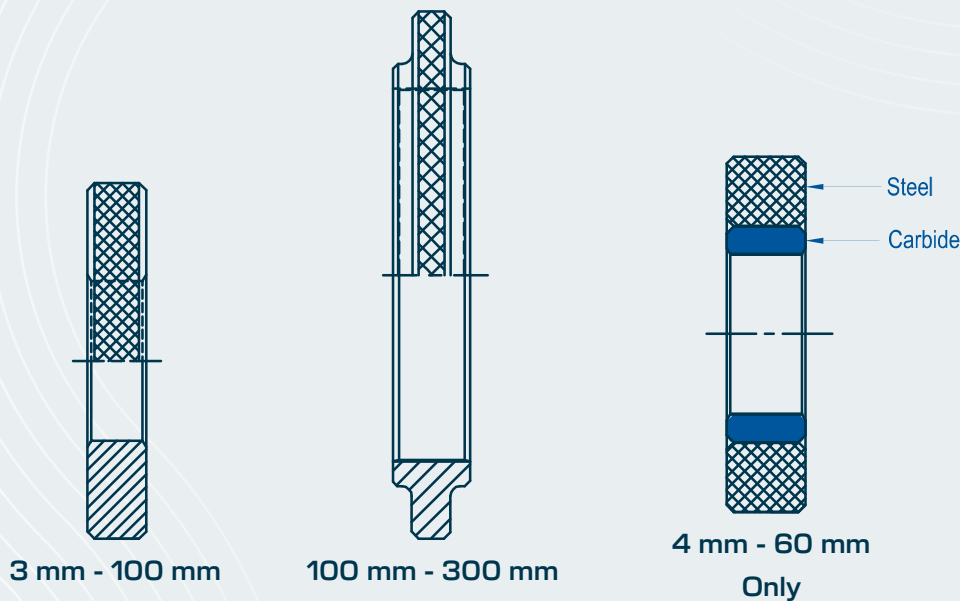
· $\pm 1.25\text{ }\mu\text{m}$ to $\pm 6\text{ }\mu\text{m}$ depending on the diameter

ROUNDNESS

· $1\text{ }\mu\text{m}$ to $2\text{ }\mu\text{m}$

 All setting rings in steel are sub-zero treated for dimensional stability.

SETTING RING GAUGES



 *Special tolerances specified by customers like Dia.25.000 +0.100 mm or Dia.12.000 +0.050/-0.025 mm.

Ø mm Diameter	Catalogue Code	
1	R PI 00001 000 00 SO	✓
2	R PI 00002 000 00 SO	✓
3	R PI 00003 000 00 SO	✓
4	R PI 00004 000 00 SO	✓
5	R PI 00005 000 00 SO	✓
6	R PI 00006 000 00 SO	✓
7	R PI 00007 000 00 SO	✓
8	R PI 00008 000 00 SO	✓
9	R PI 00009 000 00 SO	✓
10	R PI 00010 000 00 SO	✓
11	R PI 00011 000 00 SO	✓
12	R PI 00012 000 00 SO	✓
13	R PI 00013 000 00 SO	✓
14	R PI 00014 000 00 SO	✓
15	R PI 00015 000 00 SO	✓
16	R PI 00016 000 00 SO	✓
17	R PI 00017 000 00 SO	✓
18	R PI 00018 000 00 SO	✓
19	R PI 00019 000 00 SO	✓
20	R PI 00020 000 00 SO	✓
21	R PI 00021 000 00 SO	✓
22	R PI 00022 000 00 SO	✓
23	R PI 00023 000 00 SO	✓
24	R PI 00024 000 00 SO	✓
25	R PI 00025 000 00 SO	✓
26	R PI 00026 000 00 SO	✓
27	R PI 00027 000 00 SO	✓
28	R PI 00028 000 00 SO	✓
29	R PI 00029 000 00 SO	✓
30	R PI 00030 000 00 SO	✓
31	R PI 00031 000 00 SO	✓
32	R PI 00032 000 00 SO	✓
33	R PI 00033 000 00 SO	✓
34	R PI 00034 000 00 SO	✓
35	R PI 00035 000 00 SO	✓
36	R PI 00036 000 00 SO	✓
37	R PI 00037 000 00 SO	✓
38	R PI 00038 000 00 SO	✓
39	R PI 00039 000 00 SO	✓
40	R PI 00040 000 00 SO	✓
41	R PI 00041 000 00 SO	✓
42	R PI 00042 000 00 SO	✓
43	R PI 00043 000 00 SO	✓

Diameter	Catalogue Code	
44	R PI 00044 000 00 SO	✓
45	R PI 00045 000 00 SO	✓
46	R PI 00046 000 00 SO	✓
47	R PI 00047 000 00 SO	✓
48	R PI 00048 000 00 SO	✓
49	R PI 00049 000 00 SO	✓
50	R PI 00050 000 00 SO	✓
51	R PI 00051 000 00 SO	✓
52	R PI 00052 000 00 SO	✓
53	R PI 00053 000 00 SO	✓
54	R PI 00054 000 00 SO	✓
55	R PI 00055 000 00 SO	✓
56	R PI 00056 000 00 SO	✓
57	R PI 00057 000 00 SO	✓
58	R PI 00058 000 00 SO	✓
59	R PI 00059 000 00 SO	✓
60	R PI 00060 000 00 SO	✓
61	R PI 00061 000 00 SO	✓
62	R PI 00062 000 00 SO	✓
63	R PI 00063 000 00 SO	✓
64	R PI 00064 000 00 SO	✓
65	R PI 00065 000 00 SO	✓
66	R PI 00066 000 00 SO	✓
67	R PI 00067 000 00 SO	✓
68	R PI 00068 000 00 SO	✓
69	R PI 00069 000 00 SO	✓
70	R PI 00070 000 00 SO	✓
71	R PI 00071 000 00 SO	✓
72	R PI 00072 000 00 SO	✓
73	R PI 00073 000 00 SO	✓
74	R PI 00074 000 00 SO	✓
75	R PI 00075 000 00 SO	✓
76	R PI 00076 000 00 SO	✓
77	R PI 00077 000 00 SO	✓
78	R PI 00078 000 00 SO	✓
79	R PI 00079 000 00 SO	✓
80	R PI 00080 000 00 SO	✓
81	R PI 00081 000 00 SO	✓
82	R PI 00082 000 00 SO	✓
83	R PI 00083 000 00 SO	✓
84	R PI 00084 000 00 SO	✓
85	R PI 00085 000 00 SO	✓
86	R PI 00086 000 00 SO	✓

SNAP GAUGES



APPLICATIONS

To check external dimension/diameter, where ring gauge cannot be used. Snap gauges are used for the attribute inspection of external diameters across various industries, including precision engineering, manufacturing quality control, inspection in automotive, aerospace, and machinery industries.

Snap gauges are precision tools used for the attribute inspection of external diameters. These gauges help ensure that parts meet specific dimensional tolerances, playing a vital role in quality control and manufacturing processes.

SPECIFICATIONS

- ISO 286 Part 1 & 2-2010, IS 919 Part 1 & 2-1993
 - ISO 1938
 - DIN 7163-1966, IS 3455-1971, IS 7876-1975
 - IS 8023-1991
- BLANK DESIGN**

 - DIN 2235/ BS 1044 /IS 8023 - up to 160 mm
 - Company Standard: above 160 mm

MATERIAL

Hardened and stabilized steel - AISI 01 / EN-31 (SAE 52100), Hardness 60-62 HRc.

RANGE

SINGLE END (S/E) PROGRESSIVE TYPE SNAP GAUGE

- Diameter range: 1.5 mm to 500 mm

DOUBLE END SNAP GAUGE

- Diameter range: 1.5 mm to 500 mm

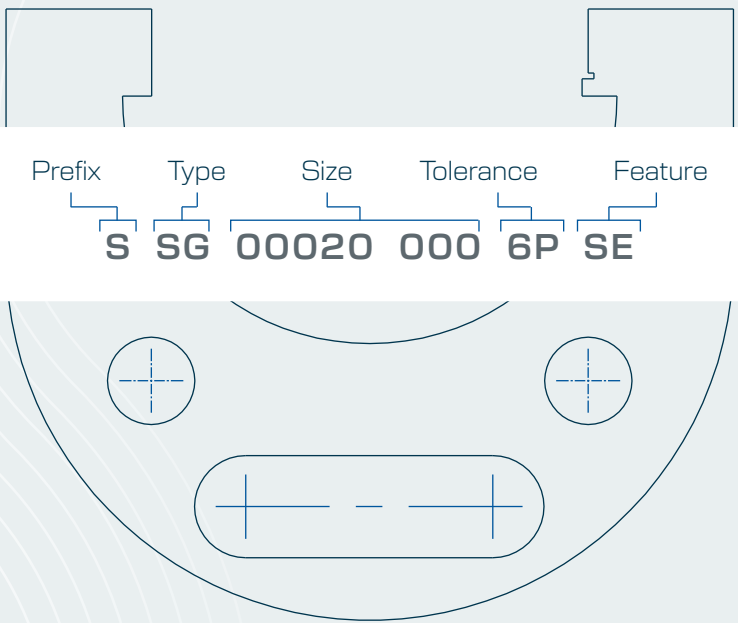
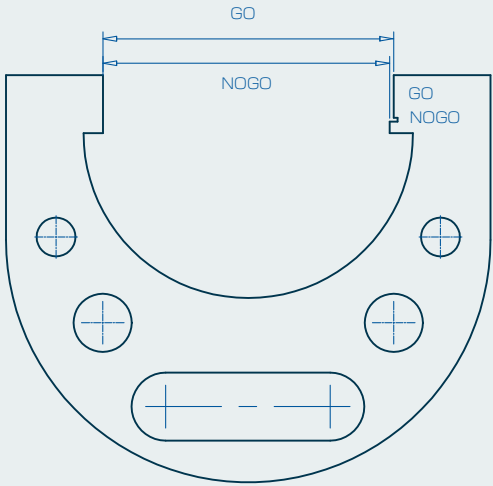
“I” TYPE DOUBLE END SNAP GAUGE

- Diameter range: over 100 mm

TOLERANCE

Standard tolerance grades IT1 TO IT18. We can manufacture snap gauges with any tolerance according to ISO standards or upon customer request, such as +0.100 or other specific requirements.

SNAP GAUGE PROFILE



Snap Gauge Diameter (20) Tolerance Single end

MEASURING PINS



APPLICATIONS

Used for checking hole diameters in precision engineering and manufacturing industries. They are essential in tool rooms, inspection departments, and quality control processes, where high accuracy and repeatability are required.

Measuring Pins are designed for precision measurement in various industrial applications. They provide accurate and reliable results, ensuring that your manufacturing processes meet the highest standards.

SPECIFICATIONS

ISO 286 Part 1&2 -2010 & Gauging practice ISO 1938-2005

MATERIAL & HARDNESS

EN31, 58-62 HRC

RANGE

DIAMETER RANGE

- 0.2 mm to 25 mm

LENGTH

- 50 mm for diameters above 1.5 mm

 Pins above 12 mm in diameter are individually packed in plastic containers to ensure protection and ease of use.

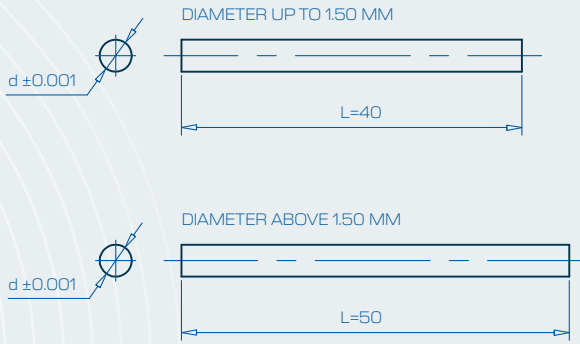
TOLERANCE

- Up to diameter 20 mm: Manufacturing tolerance ± 0.002 mm
- Over diameter 20 mm to and including 25 mm: Manufacturing tolerance ± 0.0025 mm
- Can be supplied loose or in sets with increments/steps of 0.100 mm, 0.050 mm, or 0.010 mm

FEATURES

- Available with or without a knob
- Customized packaging available in wooden boxes

MEASURING PINS PROFILE



Ø mm Diameter	Catalogue Code	Tolerance	
		+/-0.001	+/-0.002
1.00	P MP 00001 000	✓	✓
1.10	P MP 00001 100	✓	✓
1.20	P MP 00001 200	✓	✓
1.30	P MP 00001 300	✓	✓
1.40	P MP 00001 400	✓	✓
1.50	P MP 00001 500	✓	✓
1.60	P MP 00001 600	✓	✓
1.70	P MP 00001 700	✓	✓
1.80	P MP 00001 800	✓	✓
1.90	P MP 00001 900	✓	✓
2.00	P MP 00002 000	✓	✓
2.10	P MP 00002 100	✓	✓
2.20	P MP 00002 200	✓	✓
2.30	P MP 00002 300	✓	✓
2.40	P MP 00002 400	✓	✓
2.50	P MP 00002 500	✓	✓
2.60	P MP 00002 600	✓	✓
2.70	P MP 00002 700	✓	✓
2.80	P MP 00002 800	✓	✓
2.90	P MP 00002 900	✓	✓
3.00	P MP 00003 000	✓	✓
3.10	P MP 00003 100	✓	✓
3.20	P MP 00003 200	✓	✓
3.30	P MP 00003 300	✓	✓
3.40	P MP 00003 400	✓	✓
3.50	P MP 00003 500	✓	✓
3.60	P MP 00003 600	✓	✓
3.70	P MP 00003 700	✓	✓
3.80	P MP 00003 800	✓	✓
3.90	P MP 00003 900	✓	✓
4.00	P MP 00004 000	✓	✓
4.10	P MP 00004 100	✓	✓
4.20	P MP 00004 200	✓	✓
4.30	P MP 00004 300	✓	✓
4.40	P MP 00004 400	✓	✓
4.50	P MP 00004 500	✓	✓
4.60	P MP 00004 600	✓	✓
4.70	P MP 00004 700	✓	✓
4.80	P MP 00004 800	✓	✓
4.90	P MP 00004 900	✓	✓

✓ Available in stock ⚙ Manufactured against order ✗ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

Ø mm Diameter	Catalogue Code	Tolerance	
		+/-0.001	+/-0.002
5.00	P MP 00005 000	✓	✓
5.10	P MP 00005 100	✓	✓
5.20	P MP 00005 200	✓	✓
5.30	P MP 00005 300	✓	✓
5.40	P MP 00005 400	✓	✓
5.50	P MP 00005 500	✓	✓
5.60	P MP 00005 600	✓	✓
5.70	P MP 00005 700	✓	✓
5.80	P MP 00005 800	✓	✓
5.90	P MP 00005 900	✓	✓
6.00	P MP 00006 000	✓	✓
6.10	P MP 00006 100	✓	✓
6.20	P MP 00006 200	✓	✓
6.30	P MP 00006 300	✓	✓
6.40	P MP 00006 400	✓	✓
6.50	P MP 00006 500	✓	✓
6.60	P MP 00006 600	✓	✓
6.70	P MP 00006 700	✓	✓
6.80	P MP 00006 800	✓	✓
6.90	P MP 00006 900	✓	✓
7.00	P MP 00007 000	✓	✓
7.10	P MP 00007 100	✓	✓
7.20	P MP 00007 200	✓	✓
7.30	P MP 00007 300	✓	✓
7.40	P MP 00007 400	✓	✓
7.50	P MP 00007 500	✓	✓
7.60	P MP 00007 600	✓	✓
7.70	P MP 00007 700	✓	✓
7.80	P MP 00007 800	✓	✓
7.90	P MP 00007 900	✓	✓
8.00	P MP 00008 000	✓	✓
8.10	P MP 00008 100	✓	✓
8.20	P MP 00008 200	✓	✓
8.30	P MP 00008 300	✓	✓
8.40	P MP 00008 400	✓	✓
8.50	P MP 00008 500	✓	✓
8.60	P MP 00008 600	✓	✓
8.70	P MP 00008 700	✓	✓
8.80	P MP 00008 800	✓	✓
8.90	P MP 00008 900	✓	✓

Ø mm Diameter	Catalogue Code	Tolerance	
		+/-0.001	+/-0.002
9.00	P MP 00009 000	✓	✓
9.10	P MP 00009 100	✓	✓
9.20	P MP 00009 200	✓	✓
9.30	P MP 00009 300	✓	✓
9.40	P MP 00009 400	✓	✓
9.50	P MP 00009 500	✓	✓
9.60	P MP 00009 600	✓	✓
9.70	P MP 00009 700	✓	✓
9.80	P MP 00009 800	✓	✓
9.90	P MP 00009 900	✓	✓
10.00	P MP 00010 000	✓	✓
10.10	P MP 00010 100	✓	✓
10.20	P MP 00010 200	✓	✓
10.30	P MP 00010 300	✓	✓
10.40	P MP 00010 400	✓	✓
10.50	P MP 00010 500	✓	✓
10.60	P MP 00010 600	✓	✓
10.70	P MP 00010 700	✓	✓
10.80	P MP 00010 800	✓	✓
10.90	P MP 00010 900	✓	✓
11.00	P MP 00011 000	✓	✓
11.10	P MP 00011 100	✓	✓
11.20	P MP 00011 200	✓	✓
11.30	P MP 00011 300	✓	✓
11.40	P MP 00011 400	✓	✓
11.50	P MP 00011 500	✓	✓
11.60	P MP 00011 600	✓	✓
11.70	P MP 00011 700	✓	✓
11.80	P MP 00011 800	✓	✓
11.90	P MP 00011 900	✓	✓
12.00	P MP 00012 000	✓	✓
12.10	P MP 00012 100	✓	✓
12.20	P MP 00012 200	✓	✓
12.30	P MP 00012 300	✓	✓
12.40	P MP 00012 400	✓	✓
12.50	P MP 00012 500	✓	✓
12.60	P MP 00012 600	✓	✓
12.70	P MP 00012 700	✓	✓
12.80	P MP 00012 800	✓	✓
12.90	P MP 00012 900	✓	✓

✓ Available in stock ⚙ Manufactured against order ✗ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

Ø mm Diameter	Catalogue Code	Tolerance	
		+/-0.001	+/-0.002
13.00	P MP 00013 000	✓	✓
13.10	P MP 00013 100	✓	✓
13.20	P MP 00013 200	✓	✓
13.30	P MP 00013 300	✓	✓
13.40	P MP 00013 400	✓	✓
13.50	P MP 00013 500	✓	✓
13.60	P MP 00013 600	✓	✓
13.70	P MP 00013 700	✓	✓
13.80	P MP 00013 800	✓	✓
13.90	P MP 00013 900	✓	✓
14.00	P MP 00014 000	✓	✓
14.10	P MP 00014 100	✓	✓
14.20	P MP 00014 200	✓	✓
14.30	P MP 00014 300	✓	✓
14.40	P MP 00014 400	✓	✓
14.50	P MP 00014 500	✓	✓
14.60	P MP 00014 600	✓	✓
14.70	P MP 00014 700	✓	✓
14.80	P MP 00014 800	✓	✓
14.90	P MP 00014 900	✓	✓
15.00	P MP 00015 000	✓	✓
15.10	P MP 00015 100	✓	✓
15.20	P MP 00015 200	✓	✓
15.30	P MP 00015 300	✓	✓
15.40	P MP 00015 400	✓	✓
15.50	P MP 00015 500	✓	✓
15.60	P MP 00015 600	✓	✓
15.70	P MP 00015 700	✓	✓
15.80	P MP 00015 800	✓	✓
15.90	P MP 00015 900	✓	✓
16.00	P MP 00016 000	✓	✓
16.10	P MP 00016 100	✓	✓
16.20	P MP 00016 200	✓	✓
16.30	P MP 00016 300	✓	✓
16.40	P MP 00016 400	✓	✓
16.50	P MP 00016 500	✓	✓
16.60	P MP 00016 600	✓	✓
16.70	P MP 00016 700	✓	✓
16.80	P MP 00016 800	✓	✓
16.90	P MP 00016 900	✓	✓

Ø mm Diameter	Catalogue Code	Tolerance	
		+/-0.001	+/-0.002
17.00	P MP 00017 000	✓	✓
17.10	P MP 00017 100	✓	✓
17.20	P MP 00017 200	✓	✓
17.30	P MP 00017 300	✓	✓
17.40	P MP 00017 400	✓	✓
17.50	P MP 00017 500	✓	✓
17.60	P MP 00017 600	✓	✓
17.70	P MP 00017 700	✓	✓
17.80	P MP 00017 800	✓	✓
17.90	P MP 00017 900	✓	✓
18.00	P MP 00018 000	✓	✓
18.10	P MP 00018 100	✓	✓
18.20	P MP 00018 200	✓	✓
18.30	P MP 00018 300	✓	✓
18.40	P MP 00018 400	✓	✓
18.50	P MP 00018 500	✓	✓
18.60	P MP 00018 600	✓	✓
18.70	P MP 00018 700	✓	✓
18.80	P MP 00018 800	✓	✓
18.90	P MP 00018 900	✓	✓
19.00	P MP 00019 000	✓	✓
19.10	P MP 00019 100	✓	✓
19.20	P MP 00019 200	✓	✓
19.30	P MP 00019 300	✓	✓
19.40	P MP 00019 400	✓	✓
19.50	P MP 00019 500	✓	✓
19.60	P MP 00019 600	✓	✓
19.70	P MP 00019 700	✓	✓
19.80	P MP 00019 800	✓	✓
19.90	P MP 00019 900	✓	✓
20.00	P MP 00020 000	✓	✓

✓ Available in stock ⚙ Manufactured against order ✕ Not applicable

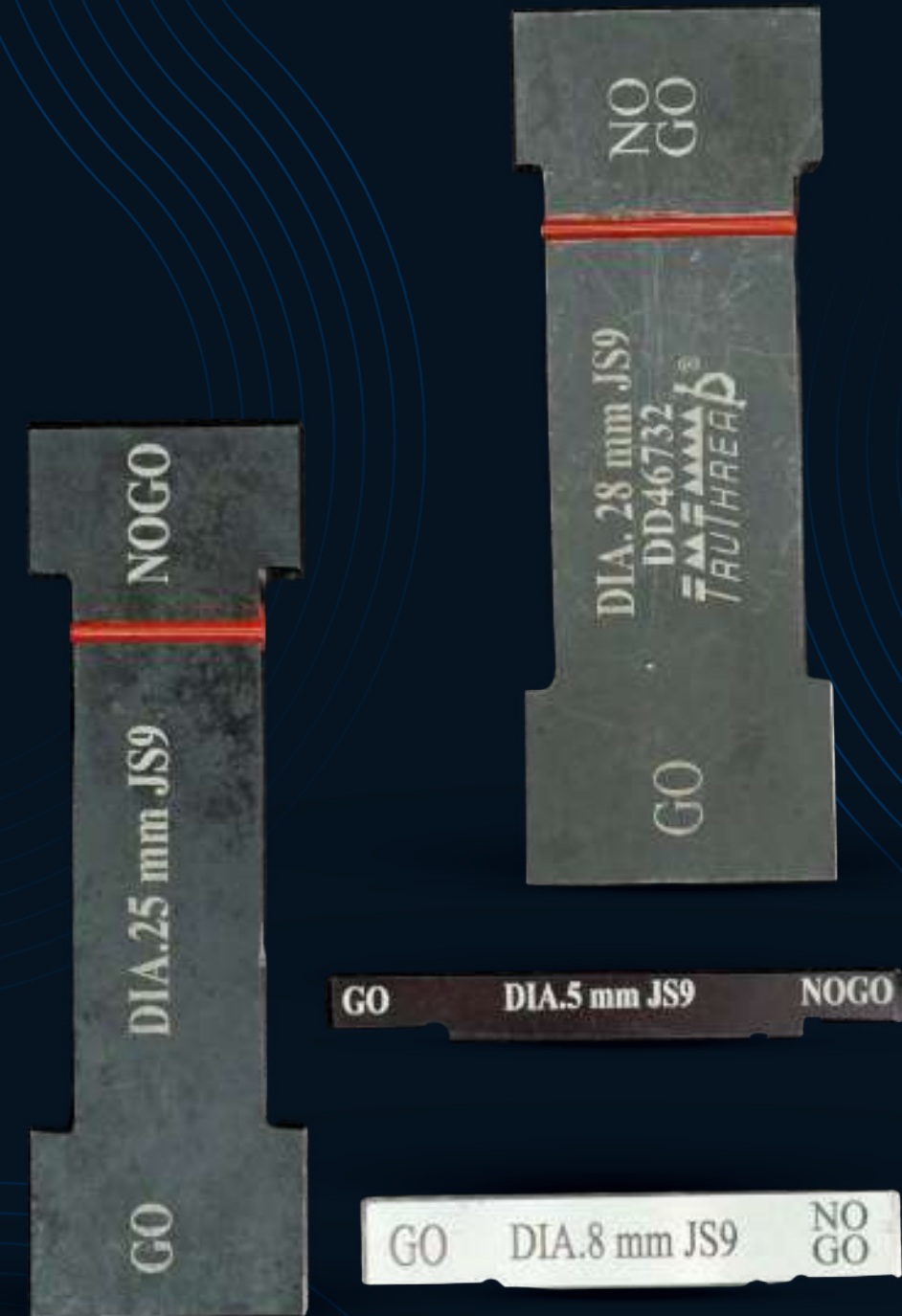
All the sizes & tolerances specified in Standards are covered in our manufacturing program

KEY WAY WIDTH GAUGES



APPLICATIONS

Used for checking keyways and slots that are square or rectangular in shape, not cylindrical. Ideal for various industries, including automotive, aerospace, and manufacturing, where precise measurement of keyways is critical.



Key Way Width Gauges are designed to measure the width of keyways and slots that are square or rectangular, rather than cylindrical. These gauges provide precision and reliability in measurement.

SPECIFICATIONS

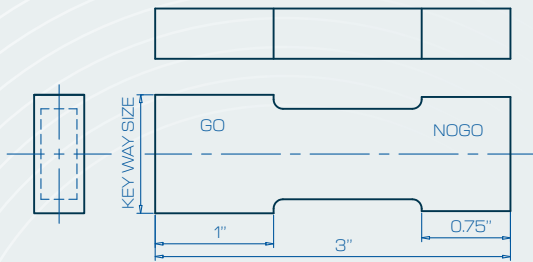
- ISO 286 Part 1 & 2, DIN 7163
- Company standard as no national/international standard available

RANGE

- Diameter Range: 0.8 mm to 100 mm

Key Way Width Gauges ensure accurate and reliable measurements, making them an essential tool in your manufacturing process. The high-quality material and precise calibration guarantee that our gauges meet the highest standards of performance and durability.

KEY WAY PROFILE



KEY WAY WIDTH GAUGES

(mm) Diameter	Catalogue Code	Tolerance JS9 D0
2	P KG 00002 000	✓
3	P KG 00003 000	⚙
4	P KG 00004 000	✓
5	P KG 00005 000	⚙
6	P KG 00006 000	✓
7	P KG 00007 000	⚙
8	P KG 00008 000	✓
9	P KG 00009 000	⚙
10	P KG 00010 000	✓
11	P KG 00011 000	⚙
12	P KG 00012 000	✓
13	P KG 00013 000	⚙
14	P KG 00014 000	✓
15	P KG 00015 000	⚙
16	P KG 00016 000	✓
17	P KG 00017 000	⚙
18	P KG 00018 000	✓
19	P KG 00019 000	⚙
20	P KG 00020 000	✓
21	P KG 00021 000	⚙
22	P KG 00022 000	✓
23	P KG 00023 000	⚙
24	P KG 00024 000	✓
25	P KG 00025 000	⚙
26	P KG 00026 000	✓
27	P KG 00027 000	⚙
28	P KG 00028 000	✓
29	P KG 00029 000	⚙
30	P KG 00030 000	✓

✓ Available in stock ⚙ Manufactured against order ✕ Not applicable

All the sizes & tolerances specified in Standards are covered in our manufacturing program

MASTER GAUGES (CHECK GAUGES)



APPLICATIONS

Used as reference standards to calibrate thread plug and ring gauges with high accuracy. To ensure measurement consistency and detect wear in gauges across various industrial applications.

Master gauges are essential tools for ensuring the accuracy and precision of thread components. These gauges are designed to serve as reference standards for calibrating other gauges, thereby maintaining the integrity of your measurement processes.

RANGE

CHECK PLUG (CP) GAUGES

Used for verifying the precision of new thread ring gauges, ensuring they are within specified tolerances.

WEAR CHECK PLUG GAUGES (WCP)

Used for assessing the wear or calibration of used screw ring gauges. Indicates when gauges exceed allowable wear limits.

CHECK RING GAUGES (CR)

Employed for checking new thread plug gauges to ensure they are within tolerance.

WEAR CHECK RING GAUGES (WCR)

Used for checking the wear or calibration of used thread plug gauges.

 Our Master gauges cover a wide range of sizes and thread types, ensuring compatibility with various industrial applications.





SPECIAL GAUGES

CUSTOMIZED SOLUTIONS FOR GAUGING

TruThread® offers customized gauging solutions to address unique requirements in precision engineering and manufacturing.

Our expertise allows us to design and provide tailor-made gauging tools for a variety of specialized applications.

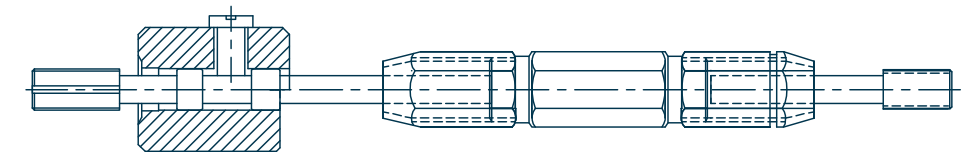
DEPTH CHECKING GAUGES

- GO and NOGO end with steps to check the depth of a tapped hole, ensuring precise thread depth measurement



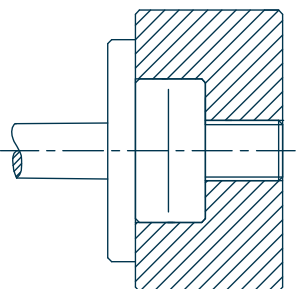
CONCENTRICITY & SQUARENESS CHECKING GAUGES

- Tools designed to check the concentricity of a plain bore/hole relative to threads, ensuring alignment and accuracy
- Gauges to verify the squareness of component faces concerning threads, maintaining precise angular measurements



OTHER CUSTOM SOLUTIONS

- We cater to any specific gauging requirements you may have, providing innovative solutions to meet your precise needs



HOW IT WORKS

To manufacture a customised gauging solution, we require the following from you:

- A detailed component drawing marked with dimensions and parameters to be checked
- Information on the specific requirements for the gauging tool

Based on the provided information, our team will design and offer a solution tailored to your needs. We pride ourselves on delivering accurate and reliable gauging solutions that enhance the quality and precision of your manufacturing processes.



BLANK DESIGN

The blank design for thread gauges ensures optimal strength, wear resistance, and precision. Carefully engineered dimensions and materials provide reliability for accurate thread measurement and inspection.

PRODUCTS FOR THREAD PLUG GAUGES

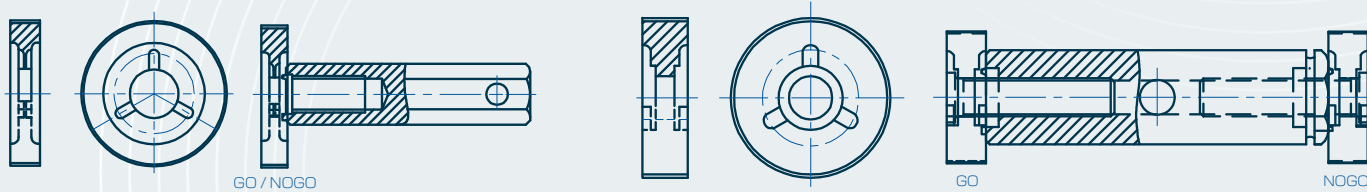
UP TO 40 MM

- Indian standard: IS 9631-1983
- ISO standard: ISO 3670-1979
- DIN standard: DIN 2282 (1)-2000 for GO end and DIN 2284 (1)-2000 for NOGO end
- Nominal Diameter up to 3 mm: GO & NOGO plugs with male centers on both sides
- Nominal Diameter 3 – 40 mm: GO & NOGO plugs with female centers on both sides



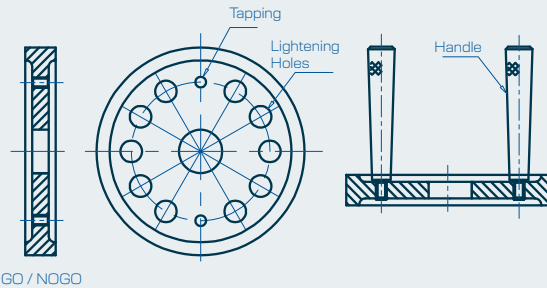
40 - 200 MM

- Indian: IS 9608-1985 for sizes up to 120 mm, and IS 10685-1983 for sizes between 120-200 mm
- ISO standard: ISO 3670-1979
- DIN standard: DIN 2282 (2)-2001 for GO, and DIN 2284 (2)-2001 for NOGO
- Nominal 40 - 65 mm: up to 65 mm/2.5", GO & NOGO gauge end are fitted on the same handle
- Nominal 65 – 200 mm: above 65 mm/2.5" Nominal Diameter, GO end is fitted on one handle & NOGO end is fitted on a separate handle



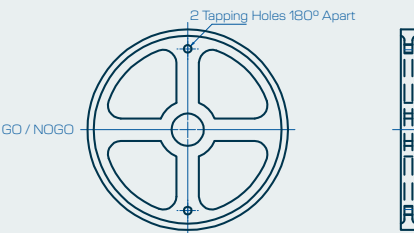
200 - 300 MM

- Specification: Company standard (as no national/international specification is available).



ABOVE 300 MM

- Specification: Company standard (as no national/international specification is available).

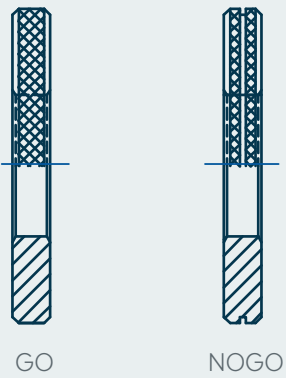


Ring gauges are precision tools designed to verify the external dimensions of threaded and plain shafts. Made from durable materials, they ensure accuracy and consistency in measurement.

PRODUCTS FOR THREAD RING GAUGES

1 - 100 MM

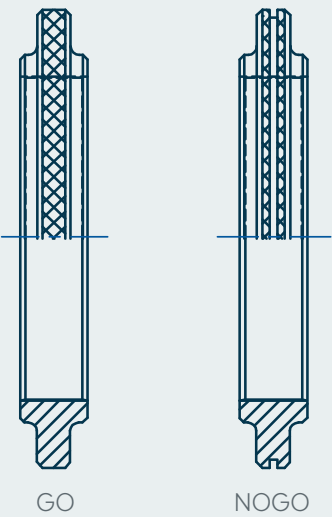
- Indian standard: Indian standard: IS 9610-1985 for sizes up to 100 mm
- ISO standard: ISO 3670-1979
- DIN standard: DIN 2285 (1)-2008 for GO end
- DIN 2299 (1)- 2003: for NOGO gauge end



100 - 200 MM

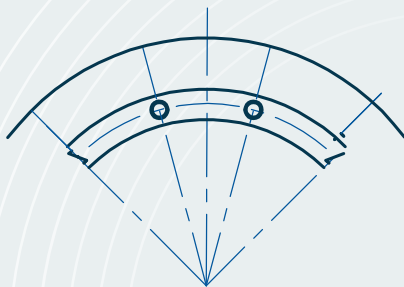
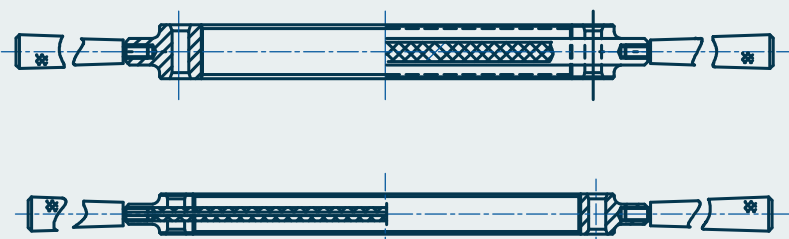
- ISO standard: ISO 3670-1979
- DIN standard: DIN 2285 (1)-2008 for GO end
- DIN 2299 (1)-2003: for NOGO gauge end

Rings above 100 mm are manufactured based on DIN standard



ABOVE 200 MM

- SPECIFICATIONS: Company standard (as no national/international specification is available)



DESIGN OF HANDLE FOR GAUGES

We prioritize ergonomic design and functionality in our gauge handles to ensure ease of use and precision. Our handles are meticulously designed to enhance the user experience, ensuring precise and reliable gauge measurements every time.

SPECIFICATIONS

- Indian standard: IS 5388-1985
- ISO standard: ISO 3670-1979
- Company standard (for Solid Knurled Handle)

 Blank design as per company standard may change without prior notice

FEATURES

MATERIAL

Handles are made from high-quality, durable materials to withstand intensive use.

ERGONOMIC DESIGN

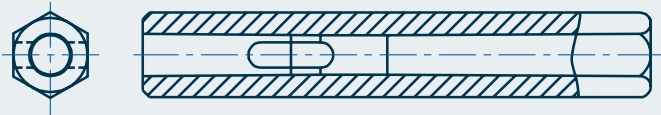
Each handle is crafted for comfortable grip and reduced user fatigue during prolonged use.

VERSATILITY

Handles are designed to accommodate various gauge sizes and configurations, providing flexibility and efficiency in different applications.

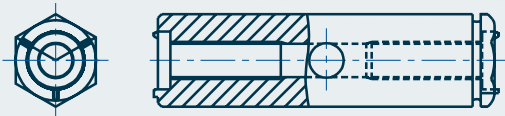
HANDLE TYPES OF TRUTHREAD GAUGES

TAPERLOCK HANDLE



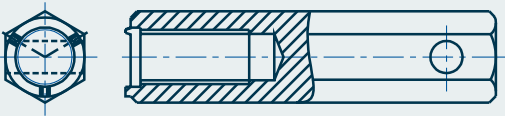
For Gauge 1-40 mm Diameter
Features both GO and NOGO ends fitted on a single handle for compact and convenient use.

TRILOCK HANDLE D/E



For Gauge 40-65 mm Diameter
Features both GO and NOGO ends fitted on a single handle for compact and convenient use.

TRILOCK HANDLE S/E



For Gauge 65-200 mm Diameter
GO & NOGO ends are fitted on separate handles to ensure optimal handling & measurement accuracy.

SOLID KNURLED HANDLE



For Gauge 65-200 mm Diameter
GO & NOGO ends are fitted on separate handles to ensure optimal handling & measurement accuracy.

CALIBRATION SERVICE

We offer comprehensive calibration services to ensure the highest precision of our gauges and measuring instruments. Our calibration laboratory is ISO 17025:2017 accredited and operates independently, free from any internal or external influence.



Wide range
of instruments



Precision
up to 0.0001 mm



Ambient
conditions

Facilities capable of calibrating a wide range of instruments, including thread gauges, plain gauges, masters, and measuring instruments.

Measuring equipment with precision up to 0.0001 mm.

Environmental conditions during calibration are strictly controlled at 20°C ±1 temperature and 45 ±5% humidity.

QUALITY ASSURANCE

· ISO 17025:2017

Our calibration laboratory is accredited for ISO 17025:2017, with globally recognized calibration certificates.

· ISO 9001:2015

Our Quality Management System is certified by TÜV-SÜD, adhering to the ISO 9001:2015 standards.

CALIBRATION CERTIFICATES

- Issued by TruThread® Gauges & Tools Pvt. Ltd.
- Recognized globally under the ILAC - Mutual Recognition Agreement (MRA).
- Include detailed results for major diameter, minor diameter, and pitch diameter measurements.



ISO 17025:2017



ISO 9001:2015



ilac-MRA



TÜV-SÜD

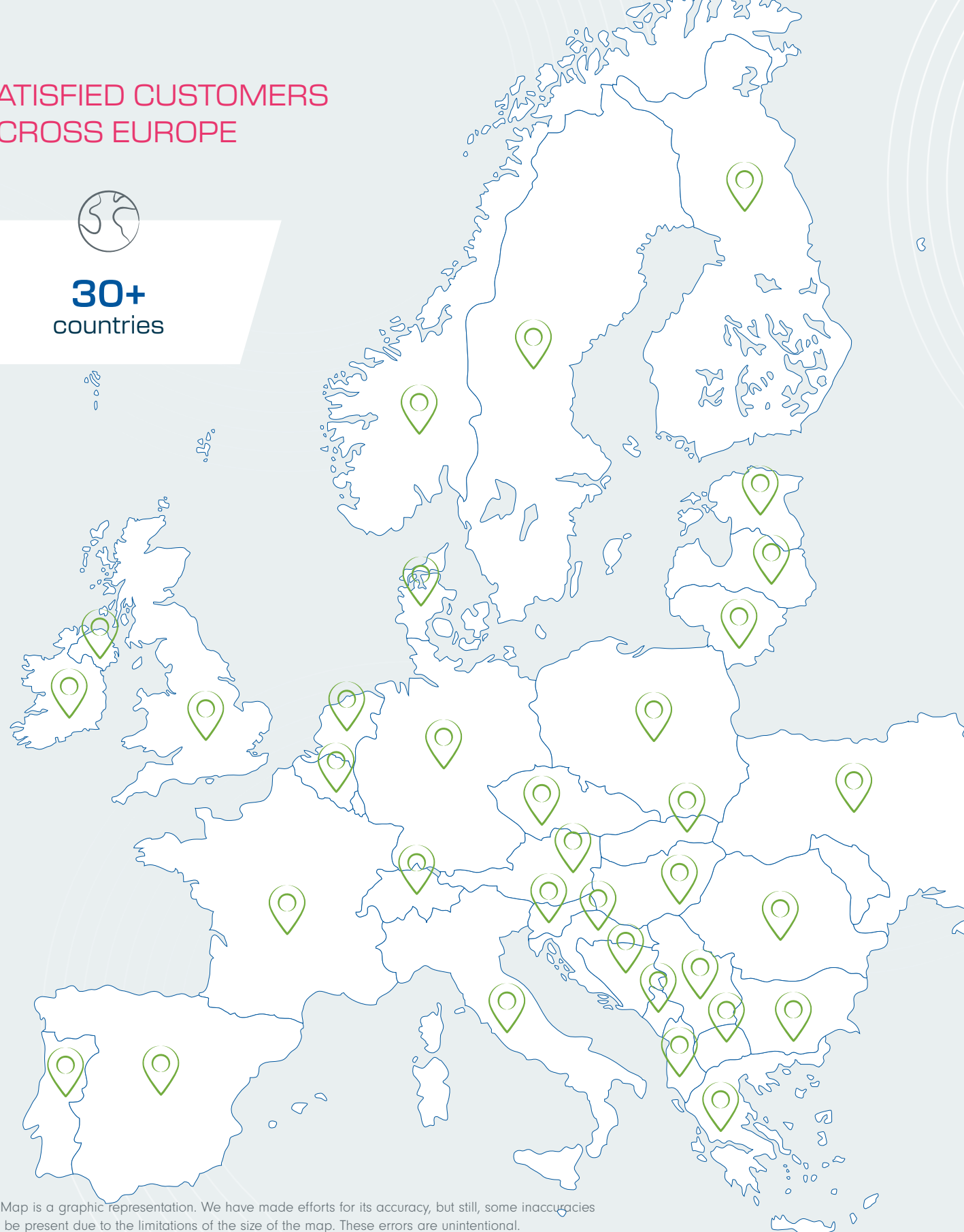
Each of our TruThread® gauges has a FREE certificate that commits its quality. Scan the QR code and view our latest certificates.



SATISFIED CUSTOMERS ACROSS EUROPE



30+
countries



The Map is a graphic representation. We have made efforts for its accuracy, but still, some inaccuracies may be present due to the limitations of the size of the map. These errors are unintentional.

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2026



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TO EXCELLENCE

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