

**PRECISION KURODA LTD.**

# **OIL COUNTRY GAUGES**

API THREAD GAUGES

PREMIUM CONNECTION GAUGES

THREAD MEASURING INSTRUMENTS



CONTACT TO:

***PIONEER TRADING CO., LTD.***

*4-1 Kuzuha-Asahi 3-Chome Hirakata*

*Osaka 573-1111, Japan*

*Phone: +81-72-855-0156*

*Fax: +81-72-855-1814*

*E-mail: [info@ptcjp.com](mailto:info@ptcjp.com)*

*Web site: [www.ptcjp.com](http://www.ptcjp.com)*

KURODA's Thread Gauges specified in the API (American Petroleum Institute) and Premium Connection Gauges used in the same field have been receiving the highest quality reputation not only in Japan, but also worldwide.

KURODA supply all the kinds of Thread Gauges listed in the API Spec. 5B, 7 and 11B.

KURODA also supply a Thread Gauge having a special thread form, or a big one in diameter as large as 20" (508 mm).



# API THREAD GAUGES

KURODA has developed right weight API Thread Gauges through 6 5/8 to 20" since 1975, when only KURODA could supply such right weight Gauges. KURODA puts a Limit-plate or Notch on the Working Thread ring Gauge for the Spec. 5B except Ex, Li, Csg. for customers to easily identify the maximum tolerance.

KURODA also supply special Thread Gauges other than API Standards

## API Specification 5B

Identifying Terms	Abbreviations	Extent of Manufacturing
Line Pipe Thread Gauges	LP	Size 1/8 ~ 20D
Casing Round Thread Gauges	CSG	Size 4 1/2 ~ 20
Buttress Casing Thread Gauges	BUTTRESS CSG	Size 4 1/2 ~ 20
Non-Upset Tubing Thread Gauges	TBG	Size 1.050 ~ 4 1/2
External-Upset Tubing Thread Gauges	UP TBG	Size 1.050 ~ 4 1/2
Integral-Joint Tubing Thread Gauges	TBG	Size 1.315 ~ 2.063
Extreme-Line Casing Thread Gauges	Ex. Li. Csg.	Size 5 ~ 10 3/4

## API Specification 7

Identifying Terms	Abbreviations	Extent of Manufacturing
Rotary Shouldered Connections Number Style Gauges	NC	Size 23 ~ 77
Rotary Shouldered Connections Regular Style Gauges (Right or Left Hand)	REG	Size 2 3/8 ~ 8 5/8
Rotary Shouldered Connections Full-Hole Style Gauges	FH	Size 5 1/2 ~ 6 5/8
Rotary Shouldered Connections Internal-Flush Style Gauges	IF	Size 2 3/8 ~ 5 1/2

## API Specification 11B

Identifying Terms	Extent of Manufacturing
Sucker rod and Polished Rod Connections P8, P7, P6, P5, B6, B5, B2, B1	Size 1/2 ~ 1 1/8
P4, P3, P2, P1, B4, B3	Size 5/8 ~ 1 1/8

When inquiring, please specify the following:

1. Type of Thread.
2. Size of Gauge.
3. Reference master or working gauges.
4. Plug or ring or both.
5. Right hand or left hand, in case of API Spec. 7 thread gauges.
6. Whether inch or meter should be employed as unit of measurement on Certificate of Inspection.

# PREMIUM CONNECTION GAUGES



Special pipes made of pressure resistant, high tensile strength and corrosion resistant materials have been developed for the use at deep well, extreme cold region, and/or natural gas digging, utilizing special thread forms and seals together with precision thread cuttings in order to get superior gas tight connection and so on.

KURODA has been contributing the improvement of function and quality for these fields by supplying so many special Thread Gauges or Premium Connection Gauges including a whole gauge system.

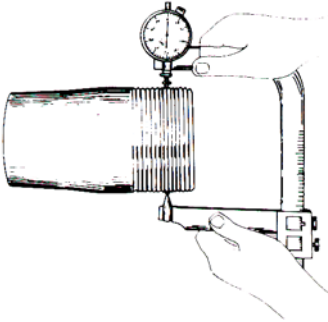

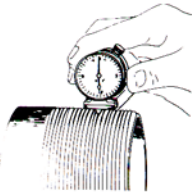
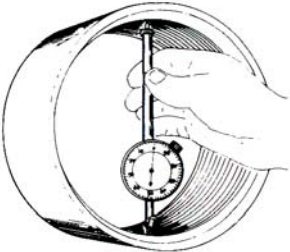
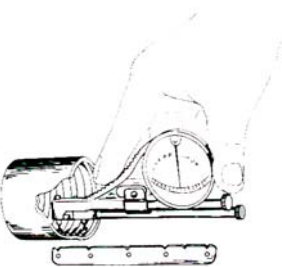
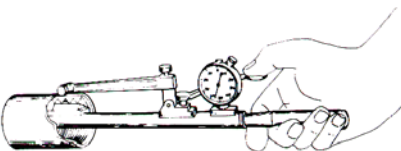
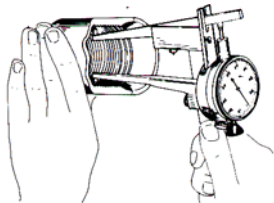
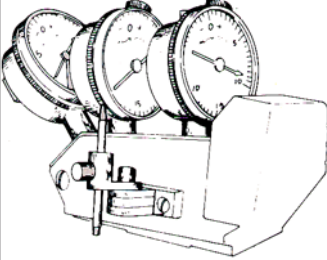
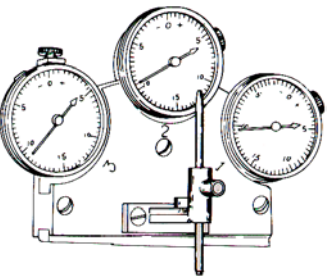
KURODA also supply Special Thread Gauges made of extremely wear resistant material with no plating/coating on the surface, because plating/coating cause flaking very often and such flaking may happen malfunction in measurement. KURODA is the pioneer utilizing such special wear resistant material as the gauge.

KURODA's these Premium Connection Gauges are being used not just in Japan, but in the world; America, Europe, Asia, China and so on.



# THREAD MEASURING INSTRUMENTS

KURODA supply following measuring instruments. For other various kinds of instruments/gauges.

TAPER MEASUREMENT	LEAD MEASUREMENT	HEIGHT MEASUREMENT
 <p>External-thread taper caliper.</p>	 <p>Lead gauge for external threads and for internal threads in size 4-in. nominal (4 1/2-in. OD) and larger.</p>	 <p>Thread-height gauge for external threads and internal threads in sizes 3-in. nominal (3 1/2-in. OD) and larger.</p>
 <p>Internal thread taper gauge for threads in sizes 4-in. nominal (4 1/2-in. OD) and larger.</p>	 <p>Lead gauge for internal threads in sizes smaller than 4-in. nominal (4 1/2-in. OD).</p>	 <p>Thread-height gauge for internal threads in sizes smaller than 3-in. nominal (3 1/2-in. OD).</p>
 <p>Internal-thread taper caliper for threads in sizes smaller than 4-in. nominal (4 1/2-in. OD).</p>	<h3>THREAD FORM</h3>	
	 <p>3-dial gauge instrument for checking internal buttress threads.</p>	 <p>3-dial gauge instrument for checking external buttress threads.</p>

When inquiring, please specify the following:

1. Which measuring instrument.
2. Whether inch or metric dial indicator.
3. Whether setting standard is required, in case of lead and height gauges.
4. Whether check piece is required, in case of three dial gauges.