

FYOU PMEC, excellent in threading and gauging solutions, is one of the leading threading and gauging solutions supplier of Oil Country threads Gauges (standard: API Spec5B&API Spec7-2&API Spec11 B), ANSI/ASME B1.20.1 /ISO 228 /BS 341/DIN 477 Threads, and the custom thread in China, One stop shopping for threading and gauging solutions, staying in the beautiful and industrial city, Suzhou City, China. Our products were used widely in Oil and Gas, Motor Sport, Aerospace and Defense, and Shipbuilding Industry and so on.

Since building, we do our best introducing the leading products and solutions in the world to China customers, and providing the leading products and solutions for the customers in global

At FYOU PMEC, our goal is to provide our customers with the highest quality threading and gauging solutions, service, and on time delivery available in the industry. We strive to continually upgrade our manufacturing capabilities and improve our technical abilities through continuing education of our employees and implementation of the latest technology. Our motto is FYOU, Just for you, for the customers. It is this kind of service that sets us apart from the competition

We provide the complete line of products or solutions as below:

Tubing/Casing Working/Master /Taper Thread Gauge

Casing - sizes 4" - 20" • Line Pipe - sizes 1/8" – 20",
Tubing - EUT 2 3/8" - 4", NUT 2 3/8" - 4", Buttress Casing - sizes 4" - 20",
Improved Buttress Tubing - sizes 2" - 5", Extreme Line Gages

Rotary Shouldered Working/Master/Taper Gauge

Rotary Shouldered - NC10-NC77, Regular Rotary - sizes 2 3/8" - 8 5/8",
Full Hole - sizes 3" - 6 5/8", Internal Flush - sizes 2 3/8" - 5"

SUCKER&POLISHED ROD Working / Master Gauge

Sucker Rod - P1-P8 & B1-B6, P2-P8 & B2-B6 Polished Sucker Rod

ANSI/ASME B1.20.1 /ISO 228 /BS 341/DIN 477 Thread Ring & Plug Gauge

Oil Pipe Thread Measuring Instrument

Tubing/Casing/Drilling Threading Tool

CNC Pipe Threading Lathe

CNC Thread Grinding Machine

Tubing/Casing/Drilling Thread Protector

We are one of the whole industry chain of the threading and its gauging ,inspection solutions, now, especial in Oilfield. It becomes one of the appointed suppliers for more and more large companies in Oil & Gas Industry and in Machining shop.

Contact US:

Tel: (+86) 512 68327593,66073087

Mobile/ WhatsApp /We Chat: (+86) 13962168423 Email: sales@szfy.com

Address: No.350, WenChang Road, New & Hi-tech Industrial Development Zone,
Jiangsu Province, China.

OIL COUNTRY GAUGES OVERVIEW

GAUGE FEATURES

[Longer Lasting]

Correct treatments such as heat and anti-distort purposes and selection of the right materials made the Gauges reputable for its quality and the longer life.

[Easy to use]

For portable and easy maintenance purposes, the handle is standard- equipped on all products. And the handle is free.

[Advanced Technology]

With the abundant know-how and the technologies, Our facilities can design gauges that are “beyond API specification” for you. In other words, Our facilities can make the products that meet your requirements and needs, just the way you wish.

[Manufacturing Capabilities]

FYOU PMEC provide a complete line of Oil Country Thread Gauges and ANSI thread gages. We have enough stock for the complete line of API Gages and most of ANSI ages in the ware house to meed the urgent demand.

[Higher Quality]

FYOU PMEC is in possession of many measuring instruments on its assembly lines. And therefore, this leads that FYOU PMEC is currently offering to you the products that are reliable and of high quality.

HOW TO ORDER?

When ordering, please provide more information for the following:

1. Type of Thread
2. Size of Gauge.
3. Reference master or working gauges or smooth taper gauges
4. Box or Pin or both; Ring or Plug or both;
5. Right hand or left hand, in case of API Spec. 7-2 thread gauges.

For example: if you want to order API Spec 5B 4 1/2 CSG working gages please mark as below:

Order: 4 1/2 CSG BOX and PIN Working Gages ;

Please note: If you not marking the working or master or smooth taper gages, we usually quote for the working gauges, and ship to you for the working gages.

TUBING&CASING THREAD GAGES



NON-UPSET (N.U.E) TUBING WORKING/MASTER/TAPER GAGES

SIZE	Outer Dia.	T.P.I	T.P.F	TAPER	ANGLE
1.050 NUE/TBG	26.67	10	3/4	1:16	60°
1.315 NUE/TBG	33.40	10	3/4		
1.660 NUE/TBG	42.16	10	3/4		
1.900 NUE/TBG	48.26	10	3/4		
2 3/8 NUE/TBG	60.33	10	3/4		
2 7/8 NUE/TBG	73.03	10	3/4		
3 1/2 NUE/TBG	88.90	10	3/4		
4 NUE/TBG	101.60	8	3/4		
4 1/2 NUE/TBG	114.30	8	3/4		

Instructions:

- 1)Implementation of standards: API SPEC 5B: 2017
- 2)Material: GCr15, Measuring surface hardness 60-63HRC;
- 3)Comes with the Long Form calibration certificates

How to order?

For example:

Please mark: Working Gauges:2 3/8 NU/TBG RING&PLUG,2 3/8 NU/TBG BOX&PIN,
and E-mail to: sales@szfyou.com



UP SET (E.U.E) TUBING GAGES

UP SET (E.U.E) TUBING WORKING/MASTER/TAPER GAGES

SIZE	Outer Dia.	T.P.I	T.P.F	TAPER	ANGLE
1.050 EUE/UP TBG	26.67	10	3/4	1:16	60°
1.315 EUE/UP TBG	33.40	10	3/4		
1.660 EUE/UP TBG	42.16	10	3/4		
1.900 EUE/UP TBG	48.26	10	3/4		
2 3/8 EUE/UP TBG	60.33	8	3/4		
2 7/8 EUE/UP TBG	73.03	8	3/4		
3 1/2 EUE/UP TBG	88.90	8	3/4		
4 EUE/UP TBG	101.60	8	3/4		
4 1/2 EUE/UP TBG	114.30	8	3/4		

Instructions:

- 1)Implementation of standards: API SPEC 5B: 2017
- 2)Material: GCr15, Measuring surface hardness 60-63HRC;
- 3)Comes with the Long Form Calibration Certificates

How to order?

For example:

Pls mark : Working Gauges:2 3/8 EU/ UP TBG RING&PLUG, or2 3/8 EU/ UP TBG BOX&PIN,
 and E-mail to: sales@szfyoud.com



Round Casing Thread Gauge

ROUND CASING WORKING/MASTER/TAPER GAGES

SIZE	Outer Dia.	T.P.I	T.P.F	TAPER	ANGLE
4 1/2 (CSG)	114.30	8	3/4	1:16	60°
5 (CSG)	127.00	8	3/4		
5 1/2 (CSG)	139.70	8	3/4		
6 5/8 (CSG)	168.28	8	3/4		
7 (CSG)	177.80	8	3/4		
7 5/8 (CSG)	193.68	8	3/4		
8 5/8 (CSG)	219.08	8	3/4		
9 5/8 (CSG)	244.48	8	3/4		
10 3/4 (CSG)	273.05	8	3/4		
11 3/4 (CSG)	298.45	8	3/4		
13 3/8 (CSG)	339.73	8	3/4		
16 (CSG)	406.40	8	3/4		
18 5/8 (CSG)	473.08	8	3/4		
20 (CSG)	508.00	8	3/4		

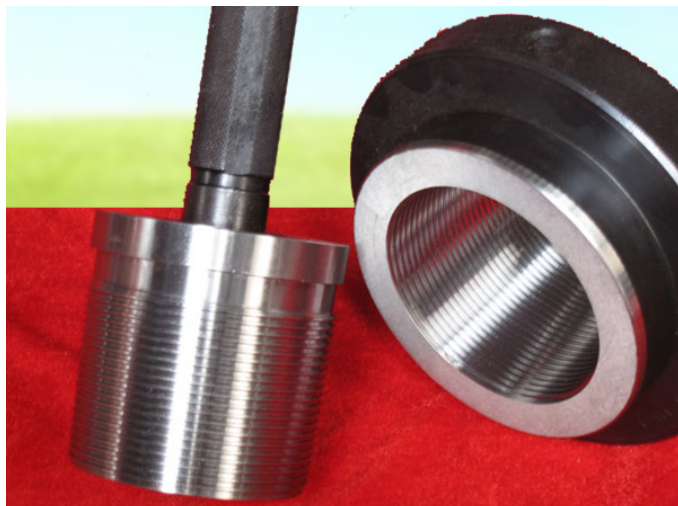
Instructions:

- 1)Implementation of standards: API SPEC 5B: 2017
- 2)Material: GCr15, Measuring surface hardness 60-63HRC;
- 3)Comes with the long form calibration certificates

How to order?

For example:

Pls mark : Working Gauges:4 1/2 CSG RING&PLUG, or 4 1/2 CSG BOX&PIN,
 and E-mail to: sales@szfy.com



Buttress Casing Thread Gauge

BUTTRESS CASING WORKING/MASTER/TAPER GAGES

SIZE	Outer Dia.	T.P.I	T.P.F	TAPER	ANGLE
4 1/2 BCSG/BTC	114.30	5	3/4	1:16	3° ,10°
5 BCSG/BTC	127.00	5	3/4		
5 1/2 BCSG/BTC	139.70	5	3/4		
6 5/8 BCSG/BTC	168.28	5	3/4		
7 BCSG/BTC	177.80	5	3/4		
7 5/8 BCSG/BTC	193.68	5	3/4		
8 5/8 BCSG/BTC	219.08	5	3/4		
9 5/8 BCSG/BTC	244.48	5	3/4	1:12	
10 3/4 BCSG/BTC	273.05	5	3/4		
11 3/4 BCSG/BTC	298.45	5	3/4		
13 3/8 BCSG/BTC	339.73	5	3/4		
16 BCSG/BTC	406.40	5	1		
18 5/8 BCSG/BTC	473.08	5	1		
20 BCSG/BTC	508.00	5	1		

Instructions:

- 1)Implementation of standards: API SPEC 5B: 2017
- 2)Material: GCr15, Measuring surface hardness 60-63HRC;
- 3)Comes with the calibration certificates ,which can be traceable to NIM.

How to order?

For example:

Pls mark : Working Gauges:4 1/2 BCSG RING&PLUG, or4 1/2 BCSG BOX&PIN,
 and **E-mail to: sales@szfy.com**



Line Pipe Thread Gauge

LINE PIPE WORKING/MASTER/TAPER GAGES

SIZE	Outer Dia.	T.P.I	T.P.F	TAPER	ANGLE
1/8 LP	3.18	27	3/4	1:16	60°
1/4 LP	6.35	18	3/4		
3/8 LP	9.53	18	3/4		
1/2 LP	12.70	14	3/4		
3/4 LP	19.05	14	3/4		
1 LP	25.40	11 1/2	3/4		
1 1/4 LP	31.75	11 1/2	3/4		
1 1/2 LP	38.10	11 1/2	3/4		
2 LP	50.80	11 1/2	3/4		
2 1/2 LP	63.50	8	3/4		
3 LP	76.20	8	3/4		
3 1/2 LP	88.90	8	3/4		
4 LP	101.60	8	3/4		
5 LP	127.00	8	3/4		
6 LP	152.40	8	3/4		
8 LP	203.20	8	3/4		
10 LP	254.00	8	3/4		
12 LP	304.80	8	3/4		
14 LP	355.60	8	3/4		
16 LP	406.40	8	3/4		
18 LP	457.20	8	3/4		
20 LP	508.00	8	3/4		

Rotary Shouldered Connections Thread Gages



Numbered Connections Thread Gauge

NUMBERED CONNECTIONS (N.C.) WORKING/MASTER/TAPER GAGES

SIZE	T.P.I	T.P.F	THD FORM	TAPER	ANGLE
NC10	6	1-1/2	V-0.055R	1:8	60°
NC12	6	1-1/2	V-0.055R	1:8	
NC13	6	1-1/2	V-0.055R	1:8	
NC16	6	1-1/2	V-0.055R	1:8	
NC23	4	2	V-0.38R	1:6	
NC26(2 3/8IF)	4	2	V-0.38R(V-0.065)	1:6	
NC31(2 7/8IF)	4	2	V-0.38R(V-0.065)	1:6	
NC35	4	2	V-0.38R	1:6	
NC38(3 1/2IF)	4	2	V-0.38R(V-0.065)	1:6	
NC40(4FH)	4	2	V-0.38R(V-0.065)	1:6	
NC44	4	2	V-0.38R(V-0.065)	1:6	
NC46(4 IF)	4	2	V-0.38R(V-0.065)	1:6	
NC50(4 1/2IF) (5 X.H)	4	2	V-0.38R	1:6	
NC56	4	3	V-0.38R	1:4	
NC61	4	3	V-0.38R	1:4	
NC70	4	3	V-0.38R	1:4	
NC77	4	3	V-0.38R	1:4	

Instructions:

- 1)Implementation of standards: API SPEC7-2: 2017
- 2)Material: GCr15, Measuring surface hardness 60-63HRC;
- 3)Comes with the long form calibration certificates

How to order?

For example:

Please mark : Working Gauges:NC31 RING&PLUG, orNC31 BOX&PIN,
 and **E-mail to: sales@szfy.com**



Regular Rotary Thread Gauge

REGULAR ROTARY WORKING/MASTER/TAPER GAGES

SIZE	T.P.I	T.P.F	THD FORM	TAPER	ANGLE
2-3/8 REG	5	3	V-0.040	1:4	60°
2-7/8 REG	5	3	V-0.040	1:4	
3-1/2 REG	5	3	V-0.040	1:4	
4-1/2 REG	5	3	V-0.040	1:4	
5-1/2 REG	4	3	V-0.050	1:4	
6-5/8 REG	4	2	V-0.050	1:6	
7-5/8 REG	4	3	V-0.050	1:4	
8-5/8 REG	4	3	V-0.050	1:4	

Instructions:

- 1)Implementation of standards: API SPEC7-2: 2017
- 2)Material: GCr15, Measuring surface hardness 60-63HRC;
- 3)Comes with the long form calibration certificates

How to order?

For example:

Pls mark : Working Gauges:4 1/2 REG RING&PLUG, or4 1/2 REG BOX&PIN,
 and E-mail to: sales@szfy.com



Full Hole (F.H) Thread Gauges

FULL HOLE(F.H) 、 INTERNAL FLUSH (I.F) WORKING /MASTER/TAPER GAGES					
SIZE	T.P.I	T.P.F	THD FORM	TAPER	ANGLE
2 7/8 FH	5	3	V-0.040	1:4	60°
3 1/2 FH	5	3	V-0.040	1:4	
4 FH (NC40)	4	2	V-0.065	1:6	
4 1/2 FH	5	3	V-0.040	1:4	
5 1/2 FH	4	2	V-0.050	1:6	
6 5/8 FH	4	2	V-0.050	1:6	
2 IF	4	2	V-0.065	1:6	
2 3/8 IF(NC26)	4	2	V-0.065	1:6	
2 7/8 IF(NC31)	4	2	V-0.065	1:6	
3 1/2 IF(NC38)	4	2	V-0.065	1:6	
4 IF(NC46)(4 1/2 XH)	4	2	V-0.065	1:6	
4 1/2 IF(NC50)(5 XH)	4	2	V-0.065	1:6	
5 1/2 IF	4	2	V-0.065	1:6	
6 5/8 IF	4	2	V-0.065	1:6	

Instructions:

- 1)Implementation of standards: API SPEC7-2: 2017
- 2)Material: GCr15, Measuring surface hardness 60-63HRC;
- 3)Comes with the long form calibration certificates

How to order?

For example:

Pls mark : Working Gauges:4 1/2 FH RING&PLUG, or4 1/2 FH BOX&PIN,
 and E-mail to: sales@szfyoud.com

One Stop Shopping for Threading and Gauging Solutions

Website:www.szfyoud.com E-mail:sales@szfyoud.com WhatsApp/We Chat: +86 139 6216 8423

SUCKER ROD & POLISHED ROD GAGES

WORKING SUCKER ROD&POLISHED ROD GAGES						
DESCRIPTION	SIZE					
P2 GO RING	CYG13 (1/2)	CYG16 (5/8)	CYG19(3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
P4 RING FOR PIN CONE	CYG13 (1/2)	CYG16 (5/8)	CYG19 (3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
P6 NO GO RING PIN CONE	CYG13 (1/2)	CYG16 (5/8)	CYG19 (3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
P8 GO PIN RING	CYG13 (1/2)	CYG16 (5/8)	CYG19 (3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
B2 GO PLUG	CYG13 (1/2)	CYG16 (5/8)	CYG19 (3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
B4 PLUG	CYG13 (1/2)	CYG16 (5/8)	CYG19 (3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
B6 NO GO PLUG	CYG13 (1/2)	CYG16 (5/8)	CYG19 (3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)

MASTER SUCKER ROD&POLISHED ROD GAGES						
DESCRIPTION	SIZE					
P1 GO PLUG MASTER	CYG13 (1/2)	CYG16 (5/8)	CYG19(3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
P2 GO RING MASTER	CYG13 (1/2)	CYG16 (5/8)	CYG19 (3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
P3 PIN CONE PLUG	CYG13 (1/2)	CYG16 (5/8)	CYG19 (3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
P4 REF. RING FOR PIN	CYG13 (1/2)	CYG16 (5/8)	CYG19 (3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
P5 NO GO PIN PLUG	CYG13 (1/2)	CYG16 (5/8)	CYG19 (3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
P6 REF. NO GO RING	CYG13 (1/2)	CYG16 (5/8)	CYG19 (3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
P7 MASTER GO PIN PLUG	CYG13 (1/2)	CYG16 (5/8)	CYG19 (3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
P8 REF. GO PIN RING	CYG13 (1/2)	CYG16 (5/8)	CYG19(3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
B1 MASTER GO RING	CYG13 (1/2)	CYG16 (5/8)	CYG19 (3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
B2 REF. GO PLUG	CYG13 (1/2)	CYG16 (5/8)	CYG19 (3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
B3 MASTER CONE RING	CYG13 (1/2)	CYG16 (5/8)	CYG19 (3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
B4 REF. PLUG	CYG13 (1/2)	CYG16 (5/8)	CYG19 (3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
B5 MASTER NO GO RING	CYG13 (1/2)	CYG16 (5/8)	CYG19 (3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)
B6 REF. NO GO PLUG	CYG13 (1/2)	CYG16 (5/8)	CYG19 (3/4)	CYG22 (7/8)	CYG25 (1)	CYG29 (1 1/8)



MISC CONNECTIONS GAGES

HUGHES H90		
SIZE	T.P.I	T.P.F
2 3/8	3	1 1/4
2 7/8	3	1 1/4
3 1/2	3	1 1/4
4	3 1/2	2
4 1/2	3 1/2	2
5	3 1/2	2
5 1/2	3 1/2	2
6 5/8	3 1/2	2
7	3 1/2	3
7 5/8	3 1/2	3
8 5/8	3 1/2	3
BECO		
SIZE	T.P.I	T.P.F
3	2	3
3 1/2	2	3
4	2	3
4 1/2	2	3
5 1/4	2	3
6	2	3
7	2	3
8	2	3
10	2	3
IMPROVED BUTTRESS		
SIZE	T.P.I	T.P.F
2	8	3/4
2 3/8	8	3/4
2 7/8	8	3/4
3 1/2	8	3/4
4 1/2	8	3/4
5 1/2	8	3/4

AMERICAN OPEN HOLE (A.O.H)			
SIZE	T.P.I	T.P.F	
2 3/8	4	1 1/2	
2 7/8	4	1 1/2	
3 1/2	4	1 1/2	
4	4	1 1/2	
4 1/2	4	1 1/2	
PAC			
SIZE	T.P.I	T.P.F	
2 3/8	4	1 1/2	
2 7/8	4	1 1/2	
3 1/2	4	1 1/2	
SHARP VEE TUBING UPSET/NO UPSET			
SIZE	UPSET T.P.I	NON UPSET T.P.I	T.P.F
1 1/4	11 1/2	---	3/4
1 1/2	11 1/2	11 1/2	3/4
2	10	11 1/2	3/4
2 1/2	10	11 1/2	3/4
3	10	11 1/2	3/4
3 1/2	10	10	3/4
4	10	10	3/4
HUGHES EXTERNAL FLUSH(H.E.F)			
SIZE	T.P.I	T.P.F	
2 3/8	6	2	
2 7/8	6	2	
3 1/2	4	2	
4 1/2	4	2	
XTRA HOLE (X.H)			
SIZE	T.P.I	T.P.F	
2 7/8	4	2	
3 1/2	4	2	

Graphite Electrode Thread Gauge

Graphite electrode thread gauge is mainly used in metallurgical industry, Used to detect the graphite electrode 's electrode internal thread and electrode connector external thread. Graphite electrode connection using the thread not only to play a strong role in connecting the two electrodes, But also to withstand the strong current through, Especially the development of high power and ultra high power electric smelting technology, On both ends of the graphite electrode taper thread accuracy requirements are higher. Graphite Electrode Thread Gauge Nominal diameter up to 406mm, The number of threads is four teeth per inch, or three teeth per inch, the taper is 1: 3 (half cone angle 9.46 °).

Graphite electrode gauge commonly used specification :

number	Electrode deameter	Size(inch)	type
1	200	8	122T4N
2	225	9	139T4N
3	250	10	152T4N
4	300	12	177T4N
5	350	14	203T4N
6	400	16	222T4N
7	450	18	241T4N
8	500	20	269T4N
9	550	22	298T4N
10	600	24	317T4N
11	650	26	355T4N
12	700	28	374T4N
13	225	9	139T3N
14	250	10	155T3N
15	300	12	177T3N
16	350	14	215T3N
17	400	16	241T3N
18	450	18	273T3N
19	500	20	298T3N



ANSI/ASME THREAD GAGES

At FYOU PMEC, our goal is to provide our customers with the highest quality gauges, solutions service, and on time delivery available in the industry. We strive to continually upgrade our manufacturing capabilities and improve our technical abilities through continuing education of our employees and implementation of the latest technology. Our motto is FYOU, Just for you, for the customers. It is this kind of service that sets us apart from the competition.

In our continuing effort for excellence in precision gage manufacturing, we aggressively look for ways to improve. We know that in today's competitive, ever changing manufacturing environment it is not enough to just provide the best quality gauging we must also deliver it as fast as possible at the best price. So we have most of stock in our warehouse to meet the urgent demand from the end users for the ANSI/ASME Thread Gages.

ANSI Thread Series Designations

Designations	Thread Series	ANSI/ASME Reference
M	Metric screw threads - M profile with basic ISO 68 Profile	B1.13M
MJ	Metric screw threads - MJ profile with rounded root of radius 0.15011P to 0.18042P	B1.21M
NPSF	Dryseal American Standard fuel internal straight pipe threads	B1.20.3
NPSH	American Standard straight hose coupling threads for joining to American Standard taper pipe threads	B1.20.7
NPSL	American Standard straight pipe threads for loose-fitting mechanical joints with locknuts	B1.20.1
NPSM	American Standard straight pipe threads for free-fitting mechanical joints for fixtures	B1.20.1
NPT	American Standard taper pipe threads for general use	B1.20.1
NPTF	Dryseal American Standard taper pipe threads	B1.20.3
Stub Acme	Stub Acme threads	B1.8
UN	Unified inch screw thread, constant-pitch series	B1.1
UNF	Unified inch screw thread, fine-pitch series	B1.1
UNEF	Unified inch screw thread, extra-fine pitch series	B1.1
UNJ	Unified inch screw thread, constant-pitch series, with rounded root of radius 0.15011P to 0.18042P (2)	B1.15
UNJC	Unified inch screw thread, coarse-pitch series, with rounded root of radius 0.15011P to 0.18042P (2)	B1.15
UNJF	Unified inch screw thread, fine-pitch series, with rounded root of radius 0.15011P to 0.18042P (2)	B1.15
UNJEF	Unified inch screw thread, extra-fine pitch series, with rounded root of radius 0.15011P to 0.18042P (2)	B1.15
UNS	Unified inch screw thread, special diameter pitch or length of engagement	B1.1

METRIC THREAD GAGES

Metric thread gages including ring gauges and plug gauges are used to calibrate threaded work pieces,
ANSI/ASME B1.13 Reference



Nominal diameter			Thread Pitch(mm)					
1 series	2 series	3 series	Coarse	Fine				
1			0.25	0.2				
	1.1		0.25	0.2				
1.2			0.25	0.2				
	1.4		0.3	0.2				
1.6			0.35	0.2				
	1.8		0.35	0.2				
2			0.4	0.25				
	2.2		0.45	0.25				
2.5			0.45	0.35				
3			0.5	0.35				
	3.5		0.6	0.35				
4			0.7	0.5				
	4.5		0.75	0.5				
5			0.8	0.5				
		5.5		0.5				
6			1	0.75	0.5			
	7		1	0.75	0.5			
8			1.25	1	0.75	0.5		
		9	1.25	1	0.75	0.5		
10			1.5	1.25	1	0.75	0.5	
.....								
180				6	4	3		

How to order?

Please specify the item size of diameter, pitch and class of the thread in your order. We can provide ring gauges of class 3h4h 、4h 、5h4h 、6e 、6f 、5g 6g 、6g 、7g 6g 、5h6h 、6h、7h6h、8g 、8h and plug gauge of class 4H、4H5H 、5H6H 、5G、6G、7G、5H、6H and 7H

For Example:Ring M10×1-6g, GO/NO GO

Plug M10×1-6H., GO/NO GO



UNIFIED THREAD GAUGES

Unified thread gauges are applied to examine threaded work pieces produced by American national standards as well as American federal standards. It conforms to ANSI/ASME B1.1 standard

Nominal dia		Pitch									
Primary	Secondary	UNC	UNF	UNEF	4UN	8UN	12UN	16UN	20UN	28UN	32UN
No. 0			80								
	No. 1	64	72								
No. 2		56	64								
	No. 3	48	56								
No. 4		40	48								
No. 5		40	44								
No. 6		32	40								UNC
No. 8		32	36								UNC
No. 10		24	32								UNF
	No. 12	24	28	32						UNF	UNEF
1/4		20	28	32					UNC	UNF	UNEF
5/16		18	24	32					20	28	UNEF
3/8		16	24	32				UNC	20	28	UNEF
7/16		14	20	28				16	UNF	UNEF	32
1/2		13	20	28				16	UNF	UNEF	32
9/16		12	18	24			UNC	16	20	28	32
5/8		11	18	24			12	16	20	28	32
	11/16			24			12	16	20	28	32
3/4		10	16	20			12	UNF	UNEF	28	32
	13/16			20			12	16	UNEF	28	32
7/8		9	14	20			12	16	UNEF	28	32
	15/16			20			12	16	UNEF	28	32
1		8	12	20		UNC	UNF	16	UNEF	28	32
	1 1/16			18		8	12	16	20	28	
1 1/8		7	12	18		8	UNF	16	20	28	

Nominal dia		Pitch									
Primary	Secondary	UNC	UNF	UNEF	4UN	8UN	12UN	16UN	20UN	28UN	32UN
	1 3/16			18		8	12	16	20	28	
1 1/4		7	12	18		8	UNF	16	20	28	
	1 5/16			18		8	12	16	20	28	
1 3/8		6	12	18	UNC	8	UNF	16	20	28	
	1 7/16			18	6	8	12	16	20	28	
1 1/2		6	12	18	UNC	8	UNF	16	20	28	
	1 9/16			18	6	8	12	16	20		
1 5/8				18	6	8	12	16	20		
	1 11/16			18	6	8	12	16	20		
1 3/4		5			6	8	12	16	20		
	1 13/16				6	8	12	16	20		
1 7/8					6	8	12	16	20		
	1 15/16				6	8	12	16	20		
2		4 1/2			6	8	12	16	20		
	2 1/8				6	8	12	16	20		
2 1/4		4 1/2			6	8	12	16	20		
	2 3/8				6	8	12	16	20		
2 1/2		4		UNC	6	8	12	16	20		
	2 5/8			4	6	8	12	16	20		
2 3/4		4		UNC	6	8	12	16	20		
	2 7/8			4	6	8	12	16	20		
3		4		UNC	6	8	12	16	20		
	3 1/8			4	6	8	12	16			
3 1/4		4		UNC	6	8	12	16			
	3 3/8			4	6	8	12	16			
3 1/2		4		UNC	6	8	12	16			
.....											
6				4	6	8	12	16			

How to order?

Please specify the item size diameter, teeth per inch, accuracy class in your order. We can provide ring gauges in class 1A,2A,3A and plug gauges in class 1B,2B and 3B.

For Example: Ring gauge 2 1/4—12UN-2A GO/NO GO

Plug gauge 2 1/4—12UN-2B GO/NO GO

METRIC TRAPEZOIDAL THREAD GAGES

METRIC TRAPEZOIDAL THREAD GAGES are applied for checking 30 degree trapezoidal teeth profile thread connection in mechanical transmission and of fasteners.



Nominal Dia.	Pitch 1	Pitch 2	Pitch 3
Tr8	1.5		
Tr9	1.5	2	
Tr10	1.5	2	
Tr11	2	3	
Tr12	2	3	
Tr14	2	3	
Tr16	2	4	
Tr18	2	4	
Tr20	2	4	
Tr22	3	5	8
Tr24	3	5	8
Tr26	3	5	8
Tr28	3	5	8
Tr30	3	6	10
Tr32	3	6	10
Tr34	3	6	10
Tr36	3	6	10
Tr38	3	7	10
Tr40	3	7	10

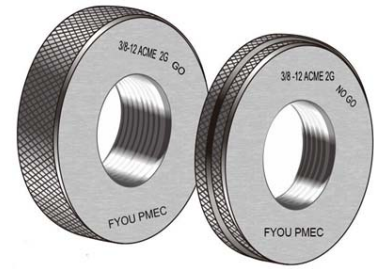
Nominal Dia.	Pitch 1	Pitch 2	Pitch 3
Tr42	3	7	10
Tr44	3	7	12
Tr46	3	8	12
Tr48	3	8	12
Tr50	3	8	12
Tr52	3	8	12
Tr55	3	9	14
Tr60	3	9	14
Tr65	4	10	16
Tr70	4	10	16
Tr75	4	10	16
Tr80	4	10	16
Tr85	4	12	18
Tr90	4	12	18
Tr95	4	12	18
Tr100	4	12	20
Tr110	4	12	20
Tr120	6	14	22
Tr300	12	24	44

How to order?

Please specify the item size diameter, teeth per inch, and accuracy class in your order. We can provide ring gauges in class 7h、8h、9h、7e、8e、9e、7c、8c、9c and plug gauges in class 7H、8H and 9H.

For example : Ring Tr60×3-7c

Plug Tr60×3-7H



ACME RING/ PLUG GAGES

SIZE	T.P.I	SIZE	T.P.I
1/4-16 ACME	16	1 1/8-5ACME	5
5/16-14 ACME	14	1 1/4-5 ACME	5
3/8-12 ACME	12	1 3/8-4 ACME	4
7/16-12 ACME	12	1 1/2-4 ACME	4
1/2-10ACME	10	1 3/4-4 ACME	4
5/8-8ACME	8	2-4 ACME	4
3/4-6ACME	6	-----	-----
7/8-6ACME	6	16	4
1-5 ACME	5		

STUB ACME RING/ PLUG GAGES

SIZE	T.P.I	SIZE	T.P.I
1/4-16 STUB ACME	16	1 1/8-5STUB ACME	5
5/16-14 STUB ACME	14	1 1/4-5 STUB ACME	5
3/8-12 STUB ACME	12	1 3/8-4 STUB ACME	4
7/16-12 STUB ACME	12	1 1/2-4 STUB ACME	4
1/2-10 STUB ACME	10	1 3/4-4 STUB ACME	4
5/8-8 STUB ACME	8	2-4 STUB ACME	4
3/4-6 STUB ACME	6	-----	-----
7/8-6 STUB ACME	6	16	4
1-5 STUB ACME	5		

How to order?

Please specify the item size diameter, teeth per inch, and accuracy class in your order. We can provide ring gauges in class 2G,3G and plug gauges in class 2G,3G;

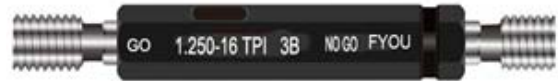
For example: Ring 1/4-16 ACME-2G GO/NO GO

Plug 1/4-16 ACME-2G GO/NO GO



Thread Gauges for Oil Sucking Pumps

The thread gauges are applied for checking cylindrical threads of oil sucking pumps and assembly to conform with GB/T 18607-2008

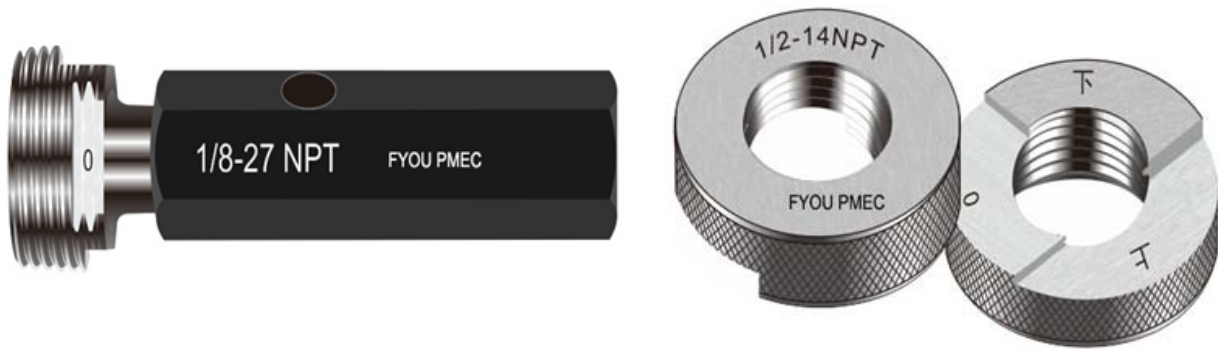


SIZE	CLASS	SIZE	CLASS
0. 7500-10	3A, 3B	1. 8024-14	3A, 3B
0. 7500-16		1. 8750-16	
0. 8750-14		1. 9864-14	
0. 9375-16		2. 0035-11 1/2	
1. 000-14		2. 0870-16	
1. 1250-16		2. 1095-11 1/2	
1. 1894-14		2. 2380-11 1/2	
1. 2500-14		2. 3755-11 1/2	
1. 3125-16		2. 5625-11 1/2	
1. 3330-16		2. 5730-16	
1. 3750-14		2. 7380-11 1/2	
1. 4704-14		3. 1715-11 1/2	
1. 5000-16		3. 1875-11 1/2	
1. 5084-14		3. 2380-11 1/2	
1. 5604-14		3. 3825-11 1/2	
1. 5730-16		3. 6875-11 1/2	
1. 7500-14		4. 2380-11 1/2	

How to order?

Please specify the item size diameter, teeth per inch, and accuracy class in your order. We can provide ring gauges in class 3A and plug gauges in class 3B

For example :Ring 0.7500-10-3A GO/NO GO
Plug 0.7500-10-3B GO/NO GO



NPT - National Pipe Taper Gages Reference ANSI/ASME B1.20.1

SIZE	T.P.I	Pitch	Taper	SIZE	T.P.I	Pitch	Taper
1/16 NPT	27	0.941	1:16	1 1/2 NPT	11.5	2.209	1:16
1/8 NPT				2 NPT			
1/4 NPT	18	1.411		2 1/2 NPT	8	3.175	
3/8 NPT				3 NPT			
1/2 NPT	14	1.814		3 1/2 NPT			
3/4 NPT				4 NPT			
1 NPT	11.5	2.209		5 NPT			
1 1/4 NPT				6 NPT			

How to order?

Please specify the item size diameter, teeth per inch, in your order

For Example:

Ring 2 NPT-11.5

Plug 2 NPT-11.5

NPTF Thread Gages Reference ANSI/ ASME B1.20.5

SIZE	T.PI	Pitch	Taper	SIZE	T.P.I	Pitch	Taper
1/16 NPTF	27	0.941	1:16	1 1/2 NPTF	11.5	2.209	1:16
1/8 NPTF				2 NPTF			
1/4 NPTF	18	1.411		2 1/2 NPTF	8	3.175	
3/8 NPTF				3 NPTF			
1/2 NPTF	14	1.814		3 1/2 NPTF			
3/4 NPTF				4 NPTF			
1 NPTF	11.5	2.209		5 NPTF			
1 1/4 NPTF				6 NPTF			

How to order?

Please specify the item size diameter, teeth per inch, in your order

For Example:

Ring 2 NPTF-11.5 L1

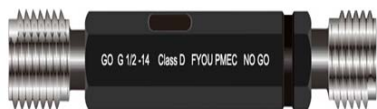
2 NPTF-11.5 L2

2 NPTF-11.5 L3

Plug 2 NPTF-11.5 L1

2 NPTF-11.5 L2

2 NPTF-11.5 L3



PIPE THREAD GAGES SEALED WITHOUT THREAD

SIZE	T.P.I	PITCH	SIZE	T.P.I	PITCH
G1/16	28	0.907	G1 3/4	11	2.309
G1/8			G2		
G1/4	19	1.337	G2 1/4		
G3/8			G2 1/2		
G1/2	14	1.814	G2 3/4		
G5/8			G3		
G3/4			G3 1/2		
G7/8			G4		
G1	11	2.309	G4 1/2		
G1 1/8			G5		
G1 1/4			G5 1/2		
G1 1/2			G6		

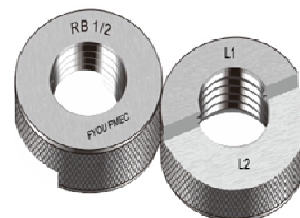
How to order?

Please specify the item size diameter, teeth per inch, in your order

For Example:

Ring: G 2 1/4

Plug: G 2 1/4



PIPE THREAD GAGES SEALED WITH THREAD

SIZE	T.P.I	PITCH	TAPER	SIZE	T.P.I	PITCH	TAPER
R1/16	28	0.907	1:16	R1 1/2	11	2.309	1:16
R1/8				R2			
R1/4	19	1.337		R2 1/2			
R3/8				R3			
R1/2	14	1.814		R3 1/2			
R3/4				R4			
R1	11	2.309		R5			
R1 1/4				R6			

How to order?

Please specify the item size diameter, teeth per inch, in your order

For Example:

Ring: R 2 1/2

Plug: G 2 1/2

Cylindrical Plain Plug Gages

The plain plug gauges are applied to measure the limit dimensions of inner holes of work pieces, it confirms GB standard



Item No.	SIZE	Accuracy	SIZE	Accuracy	SIZE	Accuracy
933	1	H6,H7,H8,H9	4	H6,H7,H8,H9	17	H6,H7,H8,H9
	1.05		4.2		17.5	
	1.1		4.5		18	
	1.15		4.8		18.5	
	1.2		5		19	
	1.25		5.5		19.5	
	1.3		6		20	
	1.4		6.5		20.5	
	1.5		7		21	
	1.6		7.5		22	
	1.7		8		23	
	1.8		8.5		24	
	1.9		9		25	
	2		9.5		26	
	2.1		10		27	
	2.2		10.5		28	
	2.3		11		29	
	2.4		11.5		30	
	2.5		12		32	
	2.6		12.5		34	
	2.7		13		36	
	2.8		13.5		38	
	2.9		14		40	
	3		14.5		42	
	3.2		15		45	
	3.4		15.5		48	
	3.6		16		50	
	3.8		16.5			

How to order:

Please order by diameter and the tolerance zone of workpieces to be tested. We can provide plain limit gauges of H6,H7,H8,H9 classes.

For example: inner hole 26-H7 of work pieces, please specify 933-26H7.

Cylindrical Plain Ring Gages

Cylindrical plain ring gages are used to check outside diameters of parts as well as for mastering measuring instruments. Plain ring gages are used to set electronic bore gages, air gages, internal micrometers and length measuring instruments. Plain ring gages are ideal for gaging the outside diameter of parts. The go ring gage is used to verify the high limit of the part and the no go plain ring gage is used to verify the low limit of the part.



SIZE	Accuracy
Φ 3--4	±2μm
> Φ 3--4	
> Φ 5--26	
> Φ 26--50	
> Φ 50--65	
> Φ 65--90	
> Φ 90--110	
> Φ 110--120	
> Φ 120--130	
> Φ 130--140	±2.5μm
> Φ 140--150	
> Φ 150--170	
> Φ 170--190	
> Φ 190--200	

PIN GAUGES

The pin gauges are used to measure hole diameters, hole distance of the thread, etc. Especially, they are suitable for curved groove width measurement.

Item No.	NonminalDiameter	Accuracy	Length	Quantity	Weight(kg)
922-01	0.1;0.11...0.5	±0.001mm ±0.002mm	50mm	51	0.005
922-02	0.5;0.51...1.0				0.018
922-03	1.0;1.01...1.5				0.039
922-04	1.5;1.51...2.0				0.068
922-05	2.0;2.01...2.5				0.105
922-06	2.5;2.51...3.0				0.149
922-07	3.0;3.01...3.5				0.202
922-08	3.5;3.51...4.0				0.262
922-09	4.0;4.01...4.5				0.330
922-10	4.5;4.51...5.0				0.405
922-11	5.0;5.01...5.5				0.489
922-12	5.5;5.51...6.0				0.600
922-13	6.0;6.01...6.5				0.700
922-14	6.5;6.51...7.0				0.809
922-15	7.0;7.01...7.5				0.925
922-16	7.5;7.51...8.0				1.050
922-17	8.0;8.01...8.5				1.181
922-18	8.5;8.51...9.0				1.321
922-19	9.0;9.01...9.5				1.469
922-20	9.5;9.51...10				1.624
922-21	10.0;10.01...10.5				1.787
922-22	10.5;10.51...11.0				1.958
922-23	11.0;11.01...11.5				2.137
922-24	11.5;11.51...12.0				2.324
922-25	12.0;12.01...12.5				2.518
922-26	12.5;12.51...13.0				2.638

Note: Please specify item No. and diameter for order. Example:for pin gauge $\phi 0.5$ - $\phi 1.0$,mark with 922-02



Gage Blocks

Precision Gage Blocks are widely available in sets in various sizes. The nominal gage lengths of blocks are mathematically determined so that specific desired lengths can be obtained by combining selected blocks. Several tolerance grades are available per ISO/FDIS3650:1998. They are made to several different tolerance grades categorized as Master Blocks, Calibration Blocks, Inspection Blocks, and Workshop Blocks.

Class: K, 0, 1

Standard : GB/T 6093、 DIN EN ISO3650、 JIS B 7506



Material	Ceramics	Steel
Hardness (HV)	1350	800
Thermal expansion coefficient ($10^{-6}/^{\circ}\text{C}$)	9.5 $\pm$ 1	11.5 $\pm$ 1
Density(g/cm ³)	6	7.8
Flexural Strength (MPa)	800-1000	2000
Elastic Modulus (10 ⁴ Kgf/mm ²)	2.1	2.1
Poisson's Ratio	0.3	0.3
Thermal Conductivity(cal/cm.sec. $^{\circ}\text{C}$)	0.007	0.13

PCS	Sizes	PCS	Sizes
32pcs DIN EN ISO3650 Standard	1.005--1pcs	83pcs GB/T 6093	1.005--1pcs
	1.01--1.09, interval 0.01, Total 9pcs		1.01--1.49, interval 0.01, Total 49pcs
	1.1--1.9, interval 0.1, Total 9pcs		1.6--1.9, interval 0.1, Total 4pcs
	1--9, interval 1, Total 9pcs		0.5--9.5, interval 0.5, Total 19pcs
	10--30, interval 10, Total 3pcs		10--100, interval 10, Total 10pcs
	50--1pcs		
32pcs JIS B 7506 Standard	1.005--1pcs	87pcs DIN EN ISO3650 Standard	1.001--1.009, interval 0.001, Total 9pcs
	1.01--1.09, interval 0.01, Total 9pcs		1.01--1.49, interval 0.01, Total 49pcs
	1.1--1.9, interval 0.1, Total 9pcs		0.5--9.5, interval 0.5, Total 19pcs
	1--9, interval 1, Total 9pcs		10--100, interval 10, Total 10pcs
	10--30, interval 10, Total 3pcs		
	60--1pcs		
38pcs GB/T 6093 Standard	1.005--1pcs	88pcs JIS B 7506 Standard	1.0005--1pcs
	1.01--1.09, interval 0.01, Total 9pcs		1.001--1.009, interval 0.001, Total 9pcs
	1.1--1.9, interval 0.1, Total 9pcs		1.01--1.49, interval 0.01, Total 49pcs
	1--9, interval 1, Total 9pcs		0.5--9.5, interval 0.5, Total 19pcs
	10--100, interval 10, Total 10pcs		10--100, interval 10, Total 10pcs
46pcs DIN EN ISO3650 Standard	1.001--1.009, interval 0.001, Total 9pcs	91pcs GB/T 6093	1.001--1.009, interval 0.001, Total 9pcs
	1.01--1.09, interval 0.01, Total 9pcs		1.01--1.49, interval 0.01, Total 49pcs
	1.1--1.9, interval 0.1, Total 9pcs		1.6--1.9, interval 0.1, Total 4pcs
	1--9, interval 1, Total 9pcs		0.5--9.5, interval 0.5, Total 19pcs
	10--100, interval 10, Total 10pcs		10--100, interval 10, Total 10pcs

PCS	Sizes	PCS	Sizes
47pcs DIN EN ISO3650 Standard	1.005--1pcs	103pcs DIN EN ISO3650 Standard	1.005--1pcs
	1.01--1.19, interval 0.01, Total 19pcs		1.01--1.49, interval 0.01, Total 49pcs
	1.2--1.9, interval 0.1, Total 8pcs		0.5--24.5, interval 0.5, Total 49pcs
	1--9, interval 1, Total 9pcs		25--100, interval 25, Total 4pcs
	10--100, interval 10, Total 10pcs		
47pcs JIS B 7506 Standard	1.005--1pcs	112pcs DIN EN ISO3650 Standard	1.0005--1pcs
	1.01--1.09, interval 0.01, Total 9pcs		1.001--1.009, interval 0.001, Total 9pcs
	1.1--1.9, interval 0.1, Total 9pcs		1.01--1.49, interval 0.01, Total 49pcs
	1--24, interval 1, Total 24pcs		0.5--24.5, interval 0.5, Total 49pcs
	25--100, interval 25, Total 4pcs		25--100, interval 25, Total 4pcs
56pcs JIS B 7506 Standard	0.5--1pcs	121pcs DIN EN ISO3650 Standard	1.001--1.009, interval 0.001, Total 9pcs
	1.001--1.009, interval 0.001, Total 9pcs		1.01--1.49, interval 0.01, Total 49pcs
	1.01--1.09, interval 0.01, Total 9pcs		1.6--1.9, interval 0.1, Total 4pcs
	1.1--1.9, interval 0.1, Total 9pcs		0.5--24.5, interval 0.5, Total 49pcs
	1--24, interval 1, Total 24pcs		30--100, interval 10, Total 8pcs
	25--100, interval 25, Total 4pcs		25--1pcs
			75--1pcs
76 pcs JIS B 7506 Standard	1.005--1pcs	122pcs DIN EN ISO3650 Standard	1.0005--1pcs
	1.01--1.49, interval 0.01, Total 49pcs		1.001--1.009, interval 0.001, Total 9pcs
	0.5--10, interval 0.5, Total 20pcs		1.01--1.49, interval 0.01, Total 49pcs
	20--50, interval 10, Total 4pcs		1.6--1.9, interval 0.1, Total 4pcs
	75--1pcs		0.5--24.5, interval 0.5, Total 49pcs
	100--1pcs		30--100, interval 10, Total 8pcs
			25--1pcs
			75--1pcs



SPECIAL GAUGE BLOCKS FOR TESTING MICROMETERS

The special gauge blocks for testing micrometers are length measuring standards, mainly used for testing the indication error of micrometers, with grade 0,1,2 accuracies, it confirms to GB and ISO standards.

PCS	SIZES
10 pcs DIN EN ISO3650 Standard 0-25	2.5/5.1/7.7/10.3/12.9/15/17.6/20.2/22.8/25+φ30 Flat crystal
10 pcs JIS B 7506 Standard 0-25	1/1.25/1.5/2/3/5/10/15/20/25
11pcs DIN EN ISO3650 Standard 25-50	25/27.5/30.1/32.7/35.3/37.9/40/42.6/45.2/47.8/50
11pcs DIN EN ISO3650 Standard 50-75	50/52.5/55.1/57.7/60.3/62.9/65/67.6/70.2/72.8/75
11pcs DIN EN ISO3650 Standard 75-100	75/77.5/80.1/82.7/85.3/87.9/90/92.6/95.2/97.8/100
20pcs GB/T 6093 Standard 0-100	5.12/10.24/15.36/21.5/25/30.12/35.24/40.36/46.5/50/55.12/60.24/
	65.36/71.5/75/80.12/85.24/90.36/96.5/100



SPECIAL GAUGE BLOCKS FOR TESTING VERNIER CALIPERS

The special gauge blocks for testing vernier calipers are length measuring standards, mainly used for testing the indication error of vernier calipers, with grade 0,1,2 accuracies, it confirms to GB and ISO standards.

PCS	SIZES
2PCS DIN EN ISO3650 Standards	41.3/131.4
6PCS GB/T 6093 Standards	10/20/20/41.2/81.5/121.8

PCS	SIZES
36 pcs ASME B 89 Standard	0.05--1pcs
	0.1--1pcs
	0.1001--0.1009, interval 0.0001, Total 9pcs
	0.101--0.109, interval 0.001, Total 9pcs
	0.11--0.19, interval 0.01, Total 9pcs
	0.2--0.5, interval 0.1, Total 4pcs
	1--2, interval 1, Total 2pcs
81 pcs ASME B 89 Standard	4--1pcs
	0.1001--0.1009, interval 0.0001, Total 9pcs
	0.101--0.149, interval 0.001, Total 49pcs
	0.05--0.95, interval 0.05, Total 19pcs
	1--4, interval 1, Total 4pcs

Inch Gauges Blocks

Class: 0 , 1 , 2

Standards: ASME B 89

ANGLE GAUGE BLOCKS



PCS	Units	Nominal Angle	Interval	PCS
94	sets	15° 1′, 15° 2′15° 9′	1′	9
		15° 10′, 15° 20′15° 50′	10′	5
		10° , 11°79°	1°	70
		10° 0′ 30″		1
		80° -81° -100° -99°		
		82° -83° -98° -97°		
		84° -85° -96° -95°		
		86° -87° -94° -93°		
		88° -89° -92° -91°		
		89° 10′ -89° 20′ -90° 50′ -90° 40′		
		89° 30′ -89° 40′ -90° 30′ -90° 20′		
		89° 50′ -89° 50′ 30″ -90° 10′ -90° 0′ 30″		
		90° -90° -90° -90°		
36	15° 1′, 15° 2′15° 9′	1′	9	
	15° 10′, 15° 20′15° 50′	10′	5	
	10° , 11°20°	1°	11	
	30° 40° 70°	10°	5	
	10° 0′ 30″		1	
	45°			
	80° -81° -100° -99°			
	89° 10′ -89° 20′ -90° 50′ -90° 40′			
	89° 30′ -89° 40′ -90° 30′ -90° 20′			
	90° -90° -90° -90°			
7	15″10′, 30″20′, 45″30′, 50″		7	
	60″40′, 75″50′, 90″-90″-90″-90″			

SOLID ANGLE PLATES

The Solid angle plates are standards for measuring 90° , 60° , 45° , 30° angles, and they are used for inspection in machining. It confirms to JB standard..



Single-value angle block

The Single-value angle block are standards for measuring angles. It confirms to JB standard.



FY Series Oil Pipe Thread Measuring Gages

The high precision gages are widely used for oil fields to measure the monomial parameters of taper, pitch and height thread for pipe, tubing, casing and drill string. It is constituted by the transmission system of rigidity main body and indicator to control and improve the quality of thread. It meets and exceeds the specifications established by the American Petroleum Institute.(A.P.I)

FY Series Oil Pipe External Thread Taper Gages

Measure the taper of external Oil Pipe thread:

	P/N	Model	Specification	Description
	FYWM001	FYJZW1	Measuring Range: 0~10in Dial Range: 0~0.5in Resolution: 0.001in	Measure the taper of external API standard thread
	FYWM002	FYJZW2	Measuring Range: 8 ~ 16in Dial Range: 0~0.5in Resolution: 0.001in	
	FYWM040	FYJZW3	Measuring Range: 8 ~ 20in Dial Range: 0~0.5in Resolution: 0.001in	
	FYWM041	FYJZW4	Measuring Range: 1 ~ 4 1/2in Dial Range: 0~0.5in Resolution: 0.001in	
	FYWM042	FYJZW5	Measuring Range: 1~6in Dial Range: 0~0.5in Resolution: 0.0005in	Measure the taper of external API Spec7-2 standard Rotary shoulder

FY Series Oil Pipe Internal Thread Taper Gages

Measure the taper of internal Oil Pipe thread:

	P/N	Model	Specification	Description
	FYWM003	FYJZN06	Measuring range: 1~6in Dial Range: 0~1in Resolution: 0.001in	Measure the taper of internal API standard thread
	FYWM004	FYJZN16	Measuring range: 5 1/2~16in Dial Range: 0~1in Resolution: 0.001in	
	FYWM043	FYJZN05	Measuring range: 1~5in Dial Range: 0~1in Resolution: 0.001in	
	FYWM044	FYJZN06Z	Measuring range: 1~6in Dial Range: 0~1in Resolution: 0.0005in	Measure the taper of internal API Spec7-2 standard Rotary shoulder

FY Series Oil Pipe Thread Pitch Gages

Measure the Oil Pipe thread pitch, need be preset with the Lead standards.

Oil Pipe External Thread pitch Gages			Oil Pipe Internal Thread pitch Gages	
 WMWRW			 WMWRN	
P/N	Model	Measuring Range	Resolution	Description
FYWM005	FYWRW	0.5~4in	0.01mm	Measure the all the Tubing &Casing external thread pitch
FYWM006	FYWRN	0.5~4in	0.01mm	Measure the tubing &Casing internal thread pitch within 5 1/2"(139.7mm)
FYWM051	FYWRW2	0.5~4in	0.001mm	Measure Drill Pipe Rotary Shoulder external Thread Pitch Professionally
FYWM061	FYWRN2	0.5~4in	0.001mm	Measure Drill Pipe Rotary Shoulder internal Thread Pitch

FYWM Series Oil Pipe Thread Pitch Setting Standards

Pitch setting standards are used to preset the thread pitch gages contact points location prior to the inspection of the threaded connector.Sold separately from the gages.

P/N	Model	Connction Type	T.P.I	Taper
FYWM1001	LJWM-1001	All API 8 Round &10 Round Tubing & Casing	8&10	1:16
FYWM1002	LJWM-1002	API NC#56~77; REG#2 3/8~5 1/2R; REG#7 5/8~8 5/8; FH#2 3/8~3 1/2,4 1/2 FH;	4&5	1:4
FYWM1003	LJWM-1003	API NC#NC23~NC50; REG#6 5/8; FH#4,5 1/2, 6 5/8; IF#2IF~6 5/8IF	4	1:6
FYWM1004	LJWM-1004	BUTTRESS Casing#4 1/2~13 3/8 BCSG/BTC	5	1:16



FYWM Series Oil Pipe Thread Height Gages

Oil Pipe Thread Height Gages, Such as External、 Internal、 Buttress-Casing Thread Height Gages, Measure the API thread height, need be preset with the Height Standards. Sold separately from the gages

Oil Pipe External Thread height Gages				Buttress-Casing Thread Height Gages
 WMWGW				 WMWGW2
P/N	Model	Measuring Range	Resolution	Description
FYWM007	FYWGW	0~3.5mm	0.01mm	Measure all the External thread and the internal thread height over 5 1/2 inch
FYWM008	FYWGN	0~3.5mm	0.01mm	Measure the internal thread height within 5 1/2 inch (139.7mm)
FYWM009	FYWG2	0~3.5mm	0.01mm	Measure external and internal buttress-casing thread height
FYWM034	FYGW-0.38R	0~4mm	0.01mm	Measure the External thread height for The thread form V-0.38R , Rotary shoulder connections
FYWM035	FYGW-0.040	0~4mm	0.01mm	Measure the External thread height for The thread form V-0.040 , Rotary shoulder connections
FYWM036	FYGW-0.050	0~4mm	0.01mm	Measure the External thread height for The thread form V-0.050 , API Spec7-2 Rotary shoulder
FYWM037	FYGN-0.38R	0~4mm	0.01mm	Measure the Internal thread height for The thread form V-0.38R , Rotary shoulder connections
FYWM038	FYGN-0.040	0~4mm	0.01mm	Measure the Internal thread height for The thread form V-0.40 , API Spec7-2 Rotary shoulder
FYWM039	FYGN-0.050	0~4mm	0.01mm	Measure the Internal thread height for The thread form V-0.50 , Rotary shoulder connections
Oil Pipe Internal Thread Height Gages				
 WMWGN				

FYWM Series Oil Pipe Thread Height Setting Standards

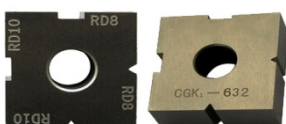
Height setting standards are used to preset the thread height gages contact points location prior to the inspection of the threaded connections ,and inspect the measuring points. Sold separately from the gages.

P/N	Model	Connction Type	T.P.I	Taper
FYWM1005	CGWM-1001	All API 8 Round &10 Round Tubing & Casing	8&10	1:16
FYWM1006	CGWM-1002	BUTTRESS Casing#4 1/2~13 3/8 BCSG/BTC	5	1:16
FYWM1007	CGWM-1003	NC#23~NC50	4	1:6,V-0.38R
FYWM1008	CGWM-1004	NC56~NC77	4	1:4,V-0.38R
FYWM1009	CGWM-1005	REG#2 3/8~4 1/2,FH#2 7/8~3 1/2,FH#4 1/2	5	1:4,V-0.040
FYWM1010	CGWM-1006	REG#5 1/2,7 5/8~ 8 5/8;	4	1:4,V-0.050
FYWM1011	CGWM-1007	REG#6 5/8,FH#5 1/2~6 5/8	4	1:6,V-0.050
FYWM1012	CGWM-1008	FH#4, IF#2~6 5/8	4	1:6,V-0.065

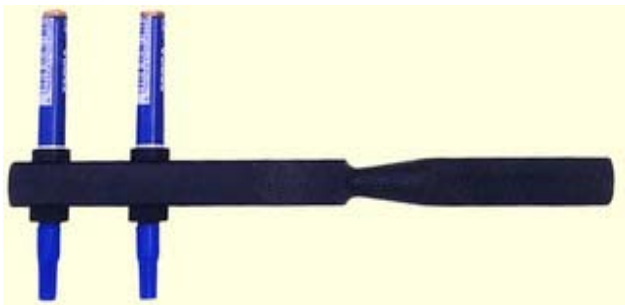
FYWM Series Oil Pipe Thread Contact Points

There are many kinds of contact points used on different thread specifications mach with the gages. Select the contact points according the thread specifications. Sold separately from the gages.

P/N	Thread Type	T.P.I	Taper Gages CP. Dia.	Pitch Gages CP. Dia.	CKY Gages CP. Dia.
FYCP01	Round	8	1.829	1.829	1.829
FYCP02	Round	10	1.448	1.448	1.448
FYCP03	PIPE	8	1.829	1.829	1.829
FYCP04	PIPE	10	1.448	1.448	1.448
FYCP05	BTC	5	2.286	1.575	2.540(球顶截去 0.762mm)
FYCP06	PIPE	11.5	1.27	1.27	1.27
FYCP07	PIPE	14	1.041	1.041	1.041
FYCP08	PIPE	18	0.813	0.813	0.813
FYCP09	PIPE	27	0.533	0.566	0.533
FYCP10	STRAIT	5	1.524	2.667(球顶截去 0.58mm)	2.667(球顶截去 0.58mm)
FYCP11	STRAIT	6	1.524	2.210(球顶截去 0.58mm)	2.210(球顶截去 0.58mm)
FYCP12	Rotary Shoulder	5	2.921	2.921	2.921
FYCP13	Rotary Shoulder	4	3.658	3.658	3.658
FYCP14	Rotary Shoulder	3.5	5.131	5.131	5.131
FYCP15	Rotary Shoulder	5.994	5.994	5.994	5.994

	
Height Setting Standards	Contact Points

Buttress-casing Thread Vanishing Point Gauges				Thread profile Microscope
 WMXSG				 WMXSG
P/N	Model	Range	Resolution	Description
FYWM011	FYXSG	0~4mm	0.01mm	Measuring the condition of buttress-casing thread to make sure enough length of external thread and knowing that the thread is the thread vanishing point
FYWM012	FYJTG	±2mm	0.01mm	Measure the coaxial variation between the central axis and the connecting
FYWM010	FYXSG	Magnifying power of specs copy 25.6×		Measure the half thread angle of external thread.
Coaxial meter				
 FYJTG				

Long Claw caliper				Crackle meter
 WMNWK				 WMATY
P/N	Model	Range	Resolution	Description
FYWM013	WMATY	0~3mm	0.01mm	Measure the concave mark and crackle of pipe;
FYWM014	WMXX	0~10mm	0.01mm	Measure the coaxial variation of the connecting drill stems;
FYWM015	WMNWK	0~450mm	0.02mm	Measure the inner and outer diameter of big pipe
Drill coaxality measuring stand (saddle type measuring stand)				
				
Scriber (WMHXY)			Calibrator (WMJYY)	
				
P/N	Model	Measuring Range	Description	
FYWM019	WMHXY	Range: 0~4in	Scribing a mark on the measuring thread.	
FYWM020	WMJYY	Range of micro point:0~25mm Resolution: 0.002 mm	Single parameter measurement of pipe thread	

FYWM Series Oil Pipe Thread MRP Gages

Measure the pitch diameter of API thread. Need be pre-setted with the oil pipe thread standard shank..
The shanks are Sold separately from the gages.

Oil Pipe External Thread PITCH Diameter Gages			Oil Pipe Internal Thread PITCH Diameter Gages
 WMZJY20-W			 WMZJY20-N
P/N	Model	Measuring Range	Description
FYWM032	WMZJY5-W	<5 1/2 in	Measure the middle diameter of external thread
FYWM033	WMZJY5-N	<5 1/2 in	Measure the middle diameter of internal thread
FYWM021	WMZJY20-W	2 3/8in~20in	Measure the middle diameter of external thread
FYWM022	WMZJY20-N	2 3/8in~20in	Measure the middle diameter of internal thread
External Thread Middle Diameter Gages			Internal Thread Middle Diameter Gages
 WMZJY5-W			 WMZJY5-N

FYWM Series Oil Pipe Thread Middle Diameter Gages Standard Shank

Rectify Internal 、external thread middle diameter measuring instrument The shanks are Sold separately from the gages. Pls specy the thread model when ordering.

External thread standard shank				Internal thread standard shank			
							
P/N	Model	P/N	Model	P/N	Model	P/N	Model
ESHK01	2 3/8in	ESHK11	8 5/8 in	ISHK01	2 3/8in	ISHK11	8 5/8 in
ESHK02	2 7/8in	ESHK12	9 5/8 in	ISHK02	2 7/8in	ISHK12	9 5/8 in
ESHK03	3 1/2in	ESHK13	10 3/4 in	ISHK03	3 1/2in	ISHK13	10 3/4 in
ESHK04	4in	ESHK14	11 3/4 in	ISHK04	4in	ISHK14	11 3/4 in
ESHK05	4 1/2 in	ESHK15	13 3/8 in	ISHK05	4 1/2 in	ISHK15	13 3/8 in
ESHK06	5 in	ESHK16	16 in	ISHK06	5 in	ISHK16	16 in
ESHK07	5 1/2 in	ESHK17	18 5/8 in	ISHK07	5 1/2 in	ISHK17	18 5/8 in
ESHK08	6 5/8 in	ESHK18	20 in	ISHK08	6 5/8 in	ISHK18	20 in
ESHK09	7 in	ESHK19	24 in	ISHK09	7 in	ISHK19	24 in
ESHK10	7 5/8 in	ESHK20	30 in	ISHK10	7 5/8 in	ISHK20	30 in
External Sealing face Standard				External Sealing face Standard Shank			
							
Internal Sealing face DIA. Standard Shank				Internal Sealing face DIA. Standard			
							