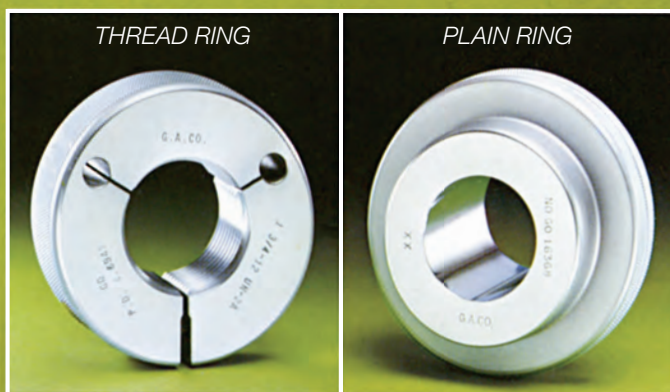


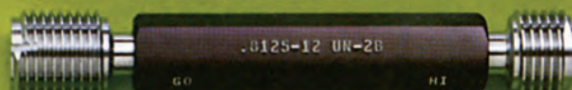


GAGE ASSEMBLY

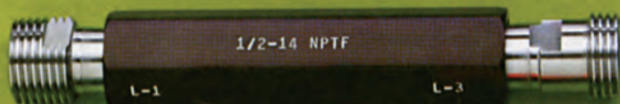
Manufacturers of Precision Gages



TRUNCATED SET PLUG



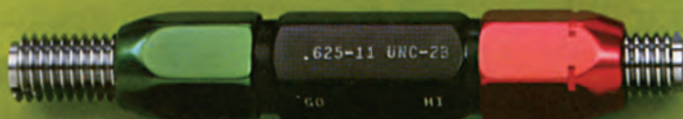
TAPERLOCK THREAD PLUG



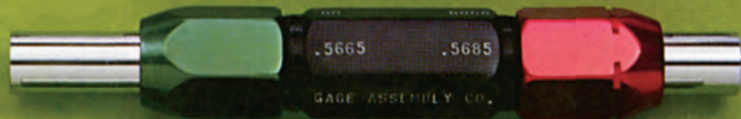
TAPER PIPE PLUG



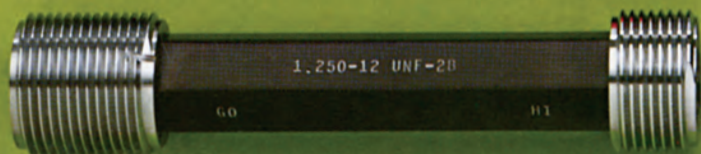
TAPERLOCK PLAIN PLUG



REVERSIBLE THREAD PLUG



REVERSIBLE PLAIN PLUG



REVERSIBLE TRILOCK THREAD PLUG



REVERSIBLE TRILOCK PLAIN PLUG

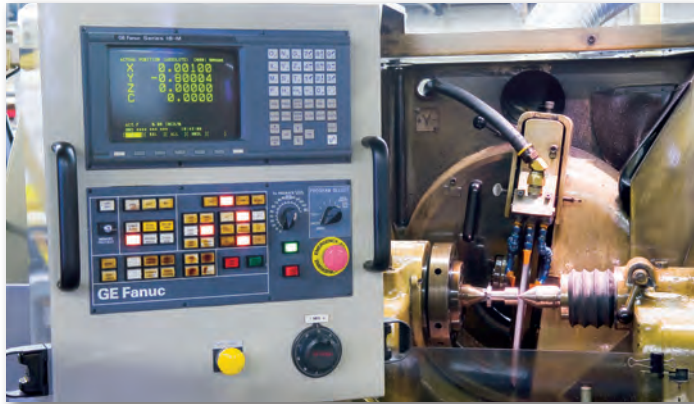
A Leading Manufacturer of Higher Quality Gages

Precision Gages for Quality Assurance

Major manufacturers of high quality parts and components have been relying on Gage Assembly gages for **over sixty years**.

Gage Assembly's engineered plant, gage lab and technical expertise provide the necessary environment to manufacture consistent highly accurate gages. Skilled fabrication is utilized using the latest **CNC and conventional Internal and External High Precision thread grinding machines**.

Fine tool steels and advanced calibrated inspection equipment all combine to offer the customer superior wear and extended performance at substantial savings.



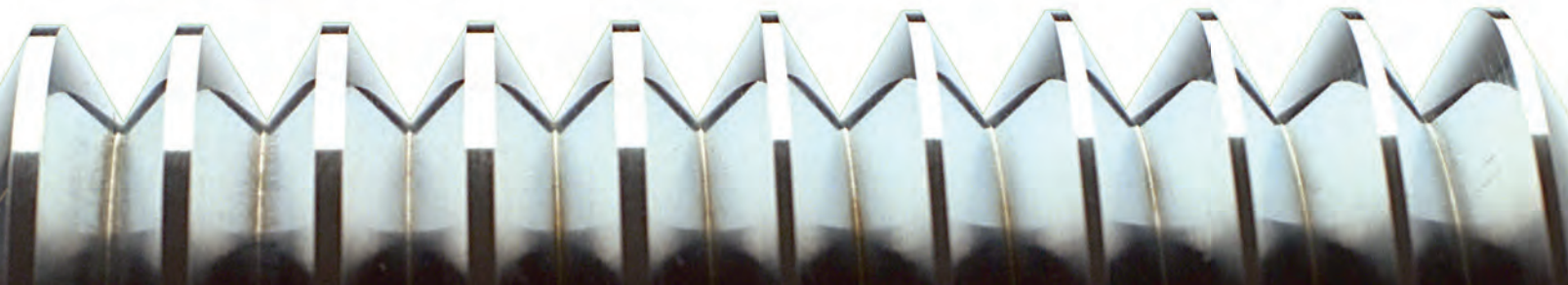
Hard Chrome Finish

Gage Assembly provides a hard chrome finish on all standard thread plug gages at no extra cost. Special fixtures are used in a proprietary plating bath formula which allows a greater thickness of hard chrome to finish size without relapping. This chromium surface finish, applied in-house, results in an extremely hard surface metal that provides increased wear, corrosion resistance and is guaranteed against chipping or peeling. Special thread gages can also be hard chromed for an additional charge.

By using hard chrome gages, you can reduce your gaging costs by 40 percent or more when compared to using steel gages. Gage life can be extended to four or more times longer than comparable steel gages.

Achieve Superior Performance, Extended Wear

Gage Assembly's thread gages are made of 0-6 oil hardened graphitic tool steel. This material offers a high resistance to wear, good anti-friction properties, and freedom from distortion. Pitch diameters are guaranteed to be in the upper half of the gagemaker's tolerance. This will further optimize wear and extend gage life.



Contents

Thread Gages

Taperlock	4
Reversible	5
Trilock	5
Ring	6
Setting Plug	7
UNEF Thread Gages	8
Pipe Thread Gages	9-10
STI Gages	11
Metric Gages	12-13
Special Thread Plug and Ring Gages	15

Plain Gages (Cylindrical)

Taperlock	18
Reversible	19
Trilock	20-21
Ring	22
Master Setting Discs	23

ANSI Thread Series Designations	2
Blank Chart for Thread Gages	3
Ordering Instructions (Thread)	3
Pitch Diameter Limit Charts for Metric Gages	14
Pitch Diameter Limit Charts for Unified Gages	16-17
Plain Plug Gage Dimensions	24
Ordering Instructions (Plain Cylindrical)	25



Prices effective March 2022

Prices subject to change without notice.

Minimum Order: \$25.00

Terms: Net 30 days with approval— F.O.B. Lincolnwood.

Credit cards accepted

Special thread and all cylindrical plain gages may not be returned for credit.

Cat. #2022
Copyright ©2022

Gages listed herein are precision manufactured in accordance with the requirements and specifications as set forth in applicable ANSI reference standards. Dimensions and specifications are updated and changed as new ANSI bulletins or supplements become available.

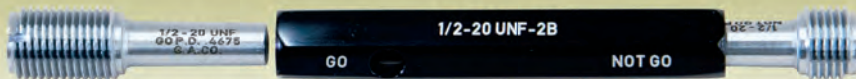
Calibration of all inspection masters used by Gage Assembly Company are traceable to the National Institute of Standards & Technology. Calibration procedures conform to the latest ISO specifications.

Gage Assembly manufactures gages to the following ANSI Thread Series Designations:

ANSI THREAD SERIES DESIGNATIONS		
DESIGNATIONS	THREAD SERIES	REFERENCE
UN, UNC, UNF, UNEF, UNS	Unified Inch Screw Threads (UN and UNR Form)	B1.1
	Gages & Gaging for United Inch Screw Threads	B1.2
UNJ, UNJC, UNJF, UNJEF, UNJS	Unified Inch Screw Threads (UNJ Thread Form)	B1.15
	Screw Thread Gaging Systems for Dimensional Acceptability-Inch and Metric Screw Threads (UN, UNR, UNJ, M and MJ)	B1.3
NC-5 HF, NC-5CSF, Etc.	Class 5 Interference-Fit Thread	B1.12
M	Metric Screw Threads-M Profile	B1.13M
	Gages and Gaging for Metric M Screw Threads	B1.16M
MJ	Metric Screw Threads-MJ Profile	B1.21M
	Gages and Gaging for MJ Series Metric Screw Threads	B1.22M
UNM	Unified Minature Screw Threads	B1.10M
NPT	Pipe Threads, General Purpose	B1.20.1
NPTF, PTF-SAE Short, Etc.	Dryseal Pipe Threads	B1.20.3
	Gaging for Dryseal Pipe Threads	B1.20.5
ANPT	Pipe Threads, Taper Aeronautical National Form Symbol ANPT Design and Inspection Standard	SAE AS71051
NPSM	American Standard Straight Pipe Threads for Free-Fitting Mechanical Joints for Fixtures	B1.20.1
NPSL	American Standard Straight Pipe Threads for Loose-Fitting Mechanical Joints with Locknut	B1.20.1
NPSC	American Standard Straight Pipe Threads in Pipe Couplings	B1.20.1
NPSF	Dryseal American Fuel Internal Straight Pipe Threads	B1.20.3
NPSI	Dryseal American Intermediate Internal Straight Pipe Threads	B1.20.3
NH, NPSH, NHR	Hose Coupling Screw Threads	B1.20.7
NH	Fire Hose Connections	NFPA 1963
NGT, SGT	National Gas Taper Threads	H28/9A
NGO	National Gas Outlet Threads	H28/9A
NGS	National Gas Straight Threads	H28/9A
R, Rc, Rp (BSPT)	British Taper Pipe Threads & Gages (BS-21 obsolete)	ISO 7/2
G (BSPP)	British Straight Pipe Threads & Gages (BS2779 obsolete)	ISO 228-2
BSW, BSF	British Parallel Screw Threads of Whitworth Form	BS84
BA	British Screw Threads	BS57
ACME	Acme Screw Threads, General Purpose	B1.5
ACME-C	Acme Screw Threads, Centralizing	B1.5
STUB ACME	Stub Acme Screw Threads	B1.8
BUTT	Buttress Inch Screw Threads 7°/45°	B1.9
ANSI / AMO	Microscope Objective Thread	B1.12
AWWA	Underground Service Line Valves and Fittings	C800-84
DIN	German Specifications	
JIS	Japanese Industrial Standard	
ISO	International Standard Organization	

Notes (1) All Threads, Except NGO, are Right Hand Unless Otherwise Designated. For NGO Threads, Designations RH or LH are required.

Blank Chart



TAPERLOCK THREAD PLUG GAGE BLANK								
A.G.D. HANDLE NO.	THREAD SIZES				THREAD LENGTHS			
	NOMINAL RANGE		DECIMAL RANGE		THREAD PLUG GAGES		FINE-PITCH INSTRUMENT THREAD PLUG GAGES	
	FROM	TO AND INCL.	ABOVE	TO AND INCL.	GO	NOT GO	GO	NOT GO
000	#0	#3	.059	.105	1/4	3/16	3/16	1/8
00	#4	#6	.105	.150	5/16	7/32	7/32	5/32
0	#8	#12	.150	.230	13/32	9/32	9/32	7/32
1	1/4	5/16	.230	.365	1/2	5/16	5/16	1/4
2	3/8	1/2	.365	.510	3/4	3/8	3/8	5/16
3	9/16	13/16	.510	.825	7/8	1/2	1/2	3/8
4	7/8	1-1/8	.825	1.135	1	5/8	5/8	7/16
5	1-3/16	1-1/2	1.135	1.510	1* 1-1/4**	3/4	3/4	1/2

* FOR GAGES 12 T.P.I. & FINER

** FOR GAGES COARSER THAN 12 T.P.I.



REVERSIBLE THREAD PLUG GAGE BLANK						
HANDLE NO.	NOMINAL RANGE		DECIMAL RANGE		THREAD MEMBER LENGTH	
	FROM	TO AND INCL.	ABOVE	TO AND INCL.	GO	NOT GO
1W	#0	#1	.030	.075	1/2	1/2
2W	#2	#5	.075	.130	5/8	5/8
2W	#6	#8	.130	.180	3/4	3/4
3W	#10	1/4	.180	.281	7/8	7/8
4W	—	5/16	.281	.320	1	1
4W	—	3/8	.320	.406	1-1/8	1-1/8
5W	—	7/16	.406	.450	1-1/4	1-1/4
5W	—	1/2	.450	.510	1-3/8	1-3/8
6W	9/16	5/8	.510	.635	1-1/2	1-3/8
7W	11/16	3/4	.635	.760	1-3/4	1-3/8



TRILOCK THREAD PLUG GAGE BLANK								
HANDLE NO.	NOMINAL RANGE		DECIMAL RANGE		THREAD MEMBER LENGTH			
	FROM	TO AND INCL.	ABOVE	TO AND INCL.	GO 7 T.P.I. & COARSER	GO FINER THAN 7 T.P.I. & COARSER THAN 13	GO 13 T.P.I. & FINER	NOT GO ALL PITCHES
2-1/2	3/4	15/16	.760	.947	1-1/4	1	1	3/4
3-1/2	15/16	1-1/8	.947	1.135	1-3/8	1-1/8	1	3/4
4-1/2	1-3/16	1-1/2	1.135	1.510	1-1/2	1-1/4	1	3/4

How to Order Thread Gages

When Ordering Please Specify:

1. Nominal Size, threads per inch and thread series.

Example:

for thread plug 3/8-16 UNC-2B

for thread ring 3/8-16 UNC-2A

2. Tolerance Class, (X or W).
3. Type of Gage: thread plug, ring or set plug.
- *4. Right or Left hand thread.
5. For plug gages under 1.510 specify reversible or taperlock.
6. Specify steel or *hard* chrome.
7. Marking instructions — Tool No., Gage No., etc.

*All thread gages shown in this catalog are right hand. Left hand gages are special and will be quoted upon request.

Certification of Gages

Certificate of Compliance

Short Form — Shows Size And Class. Provided With Each Gage At No Charge.

Certificate of Calibration

Long Form — Shows actual Dimensions. Provided upon Request At Additional Charge.

Calibration and Rework Service

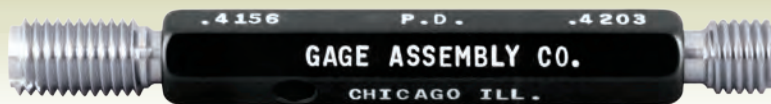
Prices Provided Upon Request.

To place an order call
800.232.4243

GageAssembly.com

Taperlock Thread Plug Gages

Hard Chrome



UNC, UNF - CLASS X TOLERANCE - RH - CHROME

NOMINAL SIZE	GO CLASS 2B, 3B	NOT GO CLASS 2B, 3B	COMPLETE D.E.	HANDLES	
				NO.	PRICE
(.060) 0 — 80	50.00	50.00	113.00	000	13.00
(.073) 1 — 64	50.00	50.00	113.00	000	13.00
(.073) 1 — 72	50.00	50.00	113.00	000	13.00
(.086) 2 — 56	50.00	50.00	113.00	000	13.00
(.086) 2 — 64	50.00	50.00	113.00	000	13.00
(.099) 3 — 48	42.50	42.50	98.00	000	13.00
(.099) 3 — 56	42.50	42.50	98.00	000	13.00
(.112) 4 — 40	42.50	42.50	97.00	00	12.00
(.112) 4 — 48	42.50	42.50	97.00	00	12.00
(.125) 5 — 40	37.00	37.00	86.00	00	12.00
(.125) 5 — 44	37.00	37.00	86.00	00	12.00
(.138) 6 — 32	37.00	37.00	86.00	00	12.00
(.138) 6 — 40	37.00	37.00	86.00	00	12.00
(.164) 8 — 32	36.00	36.00	83.50	0	11.50
(.164) 8 — 36	36.00	36.00	83.50	0	11.50
(.190) 10 — 24	36.00	36.00	83.50	0	11.50
(.190) 10 — 32	36.00	36.00	83.50	0	11.50
(.216) 12 — 24	36.00	36.00	83.50	0	11.50
(.216) 12 — 28	36.00	36.00	83.50	0	11.50
1/4 — 20	35.00	35.00	82.00	1	12.00
1/4 — 28	35.00	35.00	82.00	1	12.00
5/16 — 18	35.00	35.00	82.00	1	12.00
5/16 — 24	35.00	35.00	82.00	1	12.00
3/8 — 16	35.00	35.00	82.00	2	12.00
3/8 — 24	35.00	35.00	82.00	2	12.00
7/16 — 14	35.00	35.00	82.00	2	12.00
7/16 — 20	35.00	35.00	82.00	2	12.00
1/2 — 13	35.00	35.00	82.00	2	12.00
1/2 — 20	35.00	35.00	82.00	2	12.00
9/16 — 12	47.00	47.00	106.50	3	12.50
9/16 — 18	47.00	47.00	106.50	3	12.50
5/8 — 11	47.00	47.00	106.50	3	12.50
5/8 — 18	47.00	47.00	106.50	3	12.50
3/4 — 10	52.00	52.00	116.50	3	12.50
3/4 — 16	52.00	52.00	116.50	3	12.50
7/8 — 9	59.00	59.00	130.50	4	12.50
7/8 — 14	59.00	59.00	130.50	4	12.50
1 — 8	69.00	69.00	150.50	4	12.50
1 — 12	69.00	69.00	150.50	4	12.50
1 — 14	69.00	69.00	150.50	4	12.50
1-1/8 — 7	85.00	85.00	182.50	4	12.50
1-1/8 — 12	85.00	85.00	182.50	4	12.50
1-1/4 — 7	89.00	89.00	192.00	5	14.00
1-1/4 — 12	89.00	89.00	192.00	5	14.00
1-3/8 — 6	98.00	98.00	210.00	5	14.00
1-3/8 — 12	98.00	98.00	210.00	5	14.00
1-1/2 — 6	112.50	112.50	239.00	5	14.00
1-1/2 — 12	112.50	112.50	239.00	5	14.00

See page 16 for listing of Standard Pitch Diameters.

- Prices are the same for all UNC and UNF series having standard pitch diameters.

Pitch diameters not listed are considered special and will be made to your specifications.

See page 8 for prices on UNEF series.

Graphitic Tool Steel

All thread gages are made of the finest oil hardened graphitic tool steel available. Because of the graphitic lubricant qualities in this steel, (which reduces friction) and high carbon content, it produces superior long wearing qualities.

Hard Chrome

All standard thread plugs are supplied in hard chrome at no additional cost.

- Heat treated and cold treated for extreme stability.
- Lapped for extra precision and longer wear.

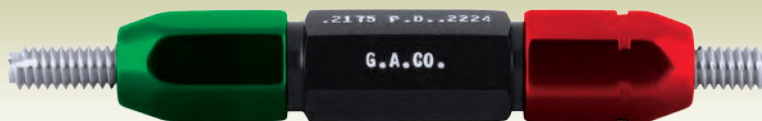
CONSULT FACTORY FOR SPECIAL GAGES — PREPLATE, EXTRA LENGTH, MULTIPLE LEAD, ACME, ETC.

UNJ THREADS: ADD \$8.00 PER MEMBER

ADD 30% FOR CLASS W. TOLERANCE

Reversible Thread Plug Gages

Hard Chrome



UNC, UNF - CLASS X TOLERANCE - RH - CHROME

NOMINAL SIZE		GO CLASS 2B, 3B	NOT GO CLASS 2B, 3B	COMPLETE D.E.	HANDLES	
					NO.	PRICE
(.060) 0 — 80		73.00	73.00	160.50	1W	14.50
(.073) 1 — 64		73.00	73.00	160.50	1W	14.50
(.073) 1 — 72		73.00	73.00	160.50	1W	14.50
(.086) 2 — 56		73.00	73.00	160.10	2W	14.10
(.086) 2 — 64		73.00	73.00	160.10	2W	14.10
(.099) 3 — 48		61.00	61.00	136.10	2W	14.10
(.099) 3 — 56		61.00	61.00	136.10	2W	14.10
(.112) 4 — 40		61.00	61.00	136.10	2W	14.10
(.112) 4 — 48		61.00	61.00	136.10	2W	14.10
(.125) 5 — 40		61.00	61.00	136.10	2W	14.10
(.125) 5 — 44		61.00	61.00	136.10	2W	14.10
(.138) 6 — 32		53.00	53.00	120.10	2W	14.10
(.138) 6 — 40		53.00	53.00	120.10	2W	14.10
(.164) 8 — 32		53.00	53.00	120.10	2W	14.10
(.164) 8 — 36		53.00	53.00	120.10	2W	14.10
(.190) 10 — 24		53.00	53.00	122.30	3W	16.30
(.190) 10 — 32		53.00	53.00	122.30	3W	16.30
(.216) 12 — 24		53.00	53.00	122.30	3W	16.30
(.216) 12 — 28		53.00	53.00	122.30	3W	16.30
1/4 — 20		49.00	49.00	114.30	3W	16.30
1/4 — 28		49.00	49.00	114.30	3W	16.30
5/16 — 18		49.00	49.00	114.50	4W	16.50
5/16 — 24		49.00	49.00	114.50	4W	16.50
3/8 — 16		49.00	49.00	114.50	4W	16.50
3/8 — 24		49.00	49.00	114.50	4W	16.50
7/16 — 14		49.00	49.00	115.20	5W	17.20
7/16 — 20		49.00	49.00	115.20	5W	17.20
1/2 — 13		53.00	53.00	123.20	5W	17.20
1/2 — 20		53.00	53.00	123.20	5W	17.20
9/16 — 12		63.10	63.10	144.20	6W	18.00
9/16 — 18		63.10	63.10	144.20	6W	18.00
5/8 — 11		63.10	63.10	144.20	6W	18.00
5/8 — 18		63.10	63.10	144.20	6W	18.00
3/4 — 10		68.30	68.30	157.60	7W	21.00
3/4 — 16		68.30	68.30	157.60	7W	21.00

See page 16 for listing of Standard Pitch Diameters.



REVERSIBLE DESIGN
FOR SIZES 0 TO 3/4"

► Prices are the same for all UNC and UNF series having standard pitch diameters.

Pitch diameters not listed are considered special and will be made to your specifications.

See page 8 for prices on UNEF series.

- Graphitic Tool Steel for superior quality and longer wear
- Heat treated and cold treated for extreme stability.
- Lapped for extra precision and longer wear.

Hard Chrome

All standard thread plugs are supplied in hard chrome at no additional cost

Trilock Thread Plug Gages

7/8 — 9	77.00	77.00	170.00	2-1/2	16.00
7/8 — 14	77.00	77.00	170.00	2-1/2	16.00
1 — 8	88.00	88.00	192.50	3-1/2	16.50
1 — 12	88.00	88.00	192.50	3-1/2	16.50
1 — 14	88.00	88.00	192.50	3-1/2	16.50
1-1/8 — 7	107.00	107.00	230.50	3-1/2	16.50
1-1/8 — 12	107.00	107.00	230.50	3-1/2	16.50
1-1/4 — 7	120.50	120.50	258.50	4-1/2	17.50
1-1/4 — 12	120.50	120.50	258.50	4-1/2	17.50
1-3/8 — 6	135.00	135.00	287.50	4-1/2	17.50
1-3/8 — 12	135.00	135.00	287.50	4-1/2	17.50
1-1/2 — 6	149.50	149.50	316.50	4-1/2	17.50
1-1/2 — 12	149.50	149.50	316.50	4-1/2	17.50

TRILOCK DESIGN
FOR SIZES 7/8" TO 1-1/2"



UNJ THREADS: ADD \$8.00 PER MEMBER

CONSULT FACTORY FOR SPECIAL GAGES — PREPLATE, EXTRA LENGTH, MULTIPLE LEAD, ACME, ETC.

ADD 30% FOR CLASS W. TOLERANCE



Thread Ring Gages



UNC, UNF — CLASS X TOLERANCE — RH - STEEL

NOMINAL SIZE		GO CLASS 2A, 3A	NOT GO CLASS 2A, 3A	GO & NOT GO (SET)	HOLDER OPTIONAL	
					NO.	PRICE
(.060) 0 — 80		155.00	155.00	310.00	1	23.70
(.073) 1 — 64		155.00	155.00	310.00	1	23.70
(.073) 1 — 72		155.00	155.00	310.00	1	23.70
(.086) 2 — 56		130.00	130.00	260.00	1	23.70
(.086) 2 — 64		130.00	130.00	260.00	1	23.70
(.099) 3 — 48		130.00	130.00	260.00	1	23.70
(.099) 3 — 56		130.00	130.00	260.00	1	23.70
(.112) 4 — 40		107.50	107.50	215.00	1	23.70
(.112) 4 — 48		107.50	107.50	215.00	1	23.70
(.125) 5 — 40		99.00	99.00	198.00	1	23.70
(.125) 5 — 44		99.00	99.00	198.00	1	23.70
(.138) 6 — 32		99.00	99.00	198.00	1	23.70
(.138) 6 — 40		99.00	99.00	198.00	1	23.70
(.164) 8 — 32		99.00	99.00	198.00	1	23.70
(.164) 8 — 36		99.00	99.00	198.00	1	23.70
(.190) 10 — 24		99.00	99.00	198.00	1	23.70
(.190) 10 — 32		99.00	99.00	198.00	1	23.70
(.216) 12 — 24		99.00	99.00	198.00	1	23.70
(.216) 12 — 28		99.00	99.00	198.00	1	23.70
1/4 — 20		96.00	96.00	192.00	2	29.50
1/4 — 28		96.00	96.00	192.00	2	29.50
5/16 — 18		96.00	96.00	192.00	2	29.50
5/16 — 24		96.00	96.00	192.00	2	29.50
3/8 — 16		102.00	102.00	204.00	3	33.00
3/8 — 24		102.00	102.00	204.00	3	33.00
7/16 — 14		102.00	102.00	204.00	3	33.00
7/16 — 20		102.00	102.00	204.00	3	33.00
1/2 — 13		112.00	112.00	224.00	3	33.00
1/2 — 20		112.00	112.00	224.00	3	33.00
9/16 — 12		125.00	125.00	250.00	4	40.90
9/16 — 18		125.00	125.00	250.00	4	40.90
5/8 — 11		127.00	127.00	254.00	4	40.90
5/8 — 18		127.00	127.00	254.00	4	40.90
3/4 — 10		157.00	157.00	314.00	4	40.90
3/4 — 16		157.00	157.00	314.00	4	40.90
7/8 — 9		167.00	167.00	334.00	5	54.10
7/8 — 14		167.00	167.00	334.00	5	54.10
1 — 8		205.00	205.00	410.00	5	54.10
1 — 12		205.00	205.00	410.00	5	54.10
1 — 14		205.00	205.00	410.00	5	54.10
1-1/8 — 7		243.00	243.00	486.00	5	54.10
1-1/8 — 12		243.00	243.00	486.00	5	54.10
1-1/4 — 7		265.00	265.00	530.00	6	66.10
1-1/4 — 12		265.00	265.00	530.00	6	66.10
1-3/8 — 6		275.00	275.00	550.00	6	66.10
1-3/8 — 12		275.00	275.00	550.00	6	66.10
1-1/2 — 6		299.50	299.50	599.00	6	66.10
1-1/2 — 12		299.50	299.50	599.00	6	66.10

See page 17 for listing of Standard Pitch Diameters.

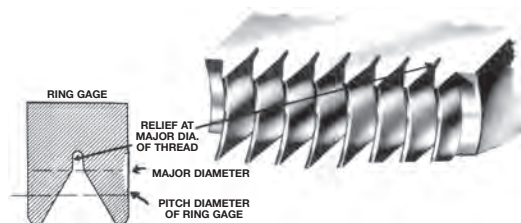
- Prices are the same for all UNC and UNF series having standard pitch diameters.

Pitch diameters not listed are considered special and will be made to your specifications.

See page 8 for prices on UNEF series.

Root Relieved Thread Ring Gages

Thread ring gages are root relieved for longer and more accurate gaging life. A root clearance at the major diameter eliminates any possibility of interference from the full form of the setting plug and major diameter of the part being checked. This gives assurance that flanks of thread are making proper contact. (see diagram)



- Graphitic Tool Steel for superior quality and longer wear
- Heat treated and cold treated for extreme stability.
- Lapped for extra precision and longer wear.

Hard Chrome

Add 10% for hard chrome gages.

CONSULT FACTORY FOR SPECIAL GAGES - PREPLATE, EXTRA LENGTH, MULTIPLE LEAD, ACME, ETC.

Truncated Thread Setting Plug Gages



UNC, UNF – CLASS W TOLERANCE PITCH DIAMETER, CLASS W TOLERANCE ON LEAD & ANGLE – RH – STEEL

NOMINAL SIZE	GO CLASS 2A, 3A	NOT GO CLASS 2A, 3A	COMPLETE D.E. GAGE W/HANDLE	HANDLES ONLY	
				NO.	PRICE
(.060) 0 — 80	99.00	99.00	211.00	000	13.00
(.073) 1 — 64	99.00	99.00	211.00	000	13.00
(.073) 1 — 72	99.00	99.00	211.00	000	13.00
(.086) 2 — 56	99.00	99.00	211.00	000	13.00
(.086) 2 — 64	99.00	99.00	211.00	000	13.00
(.099) 3 — 48	88.00	88.00	189.00	000	13.00
(.099) 3 — 56	88.00	88.00	189.00	000	13.00
(.112) 4 — 40	88.00	88.00	188.00	00	12.00
(.112) 4 — 48	88.00	88.00	188.00	00	12.00
(.125) 5 — 40	83.00	83.00	178.00	00	12.00
(.125) 5 — 44	83.00	83.00	178.00	00	12.00
(.138) 6 — 32	83.00	83.00	178.00	00	12.00
(.138) 6 — 40	83.00	83.00	178.00	00	12.00
(.164) 8 — 32	83.00	83.00	177.50	0	11.50
(.164) 8 — 36	83.00	83.00	177.50	0	11.50
(.190) 10 — 24	83.00	83.00	177.50	0	11.50
(.190) 10 — 32	83.00	83.00	177.50	0	11.50
(.216) 12 — 24	83.00	83.00	177.50	0	11.50
(.216) 12 — 28	83.00	83.00	177.50	0	11.50
1/4 — 20	77.00	77.00	166.00	1	12.00
1/4 — 28	77.00	77.00	166.00	1	12.00
5/16 — 18	77.00	77.00	166.00	1	12.00
5/16 — 24	77.00	77.00	166.00	1	12.00
3/8 — 16	79.00	79.00	170.00	2	12.00
3/8 — 24	79.00	79.00	170.00	2	12.00
7/16 — 14	79.00	79.00	170.00	2	12.00
7/16 — 20	79.00	79.00	170.00	2	12.00
1/2 — 13	85.00	85.00	182.00	2	12.00
1/2 — 20	85.00	85.00	182.00	2	12.00
9/16 — 12	97.00	97.00	206.50	3	12.50
9/16 — 18	97.00	97.00	206.50	3	12.50
5/8 — 11	98.00	98.00	208.50	3	12.50
5/8 — 18	98.00	98.00	208.50	3	12.50
3/4 — 10	116.00	116.00	244.50	3	12.50
3/4 — 16	116.00	116.00	244.50	3	12.50
7/8 — 9	132.00	132.00	276.50	4	12.50
7/8 — 14	132.00	132.00	276.50	4	12.50
1 — 8	149.00	149.00	310.50	4	12.50
1 — 12	149.00	149.00	310.50	4	12.50
1 — 14	149.00	149.00	310.50	4	12.50
1-1/8 — 7	163.00	163.00	338.50	4	12.50
1-1/8 — 12	163.00	163.00	338.50	4	12.50
1-1/4 — 7	163.00	163.00	340.00	5	14.00
1-1/4 — 12	163.00	163.00	340.00	5	14.00
1-3/8 — 6	184.00	184.00	382.00	5	14.00
1-3/8 — 12	184.00	184.00	382.00	5	14.00
1-1/2 — 6	194.50	194.50	403.00	5	14.00
1-1/2 — 12	194.50	194.50	403.00	5	14.00

See page 17 for listing of Standard Pitch Diameters.

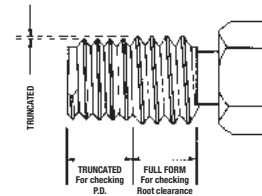
► Prices are the same for all UNC and UNF series having standard pitch diameters.

Pitch diameters not listed are considered special and will be made to your specifications.

See page 8 for prices on UNEF series.

Truncated Setting Plugs

Truncated extra length setting plugs insure more perfect size. Truncated set plug is the same as full-form set plug except with crest of thread removed for approximately one-half length of gage, giving a full and truncated portion. The full portion insures correct clearance and forms at major diameter of ring. Truncated portion controls pitch diameter. (see diagram)



When using truncated setting plug, thread ring gage should be set on the full form of the set plug. The ring should then be turned on the truncated form, and the "feel" should be the same as on the full form. If there is a "shake" on the truncated form, this will indicate that the thread form of the ring is unsatisfactory and should be discarded, or if possible, repaired by relapping.

- Graphitic Tool Steel for superior quality and longer wear
- Heat treated and cold treated for extreme stability.
- Lapped for extra precision and longer wear.

CONSULT FACTORY FOR SPECIAL GAGES - PREPLATE, MULTIPLE LEAD, ACME, ETC.

UNJ THREADS: ADD \$8.00 PER MEMBER.

UNEF Thread Gages

Working Thread Plug Gages — Hard Chrome

TAPERLOCK DESIGN



NOMINAL SIZE	GO CLASS 2B, 3B	NOT GO CLASS 2B, 3B	COMPLETE D.E.	HANDLES	
				NO.	PRICE
12 — 32	46.70	46.70	104.90	0	11.50
1/4 — 32	56.50	56.50	125.00	1	12.00
5/16 — 32	56.50	56.50	125.00	1	12.00
3/8 — 32	63.30	63.30	138.60	2	12.00
7/16 — 28	63.30	63.30	138.60	2	12.00
1/2 — 28	69.30	69.30	150.60	2	12.00
9/16 — 24	72.70	72.70	157.90	3	12.50
5/8 — 24	72.70	72.70	157.90	3	12.50
11/16 — 24	75.00	75.00	162.50	3	12.50
3/4 — 20	75.00	75.00	162.50	3	12.50
13/16 — 20	83.00	83.00	178.50	3	12.50
7/8 — 20	83.00	83.00	178.50	4	12.50
15/16 — 20	90.00	90.00	192.50	4	12.50
1 — 20	90.00	90.00	192.50	4	12.50
1-1/16 — 18	95.00	95.00	202.50	4	12.50
1-1/8 — 18	95.00	95.00	202.50	4	12.50
1-3/16 — 18	102.00	102.00	218.00	5	14.00
1-1/4 — 18	102.00	102.00	218.00	5	14.00
1-5/16 — 18	118.00	118.00	250.00	5	14.00
1-3/8 — 18	118.00	118.00	250.00	5	14.00
1-7/16 — 18	128.60	128.60	271.20	5	14.00
1-1/2 — 18	128.60	128.60	271.20	5	14.00

REVERSIBLE DESIGN



NOMINAL SIZE	GO CLASS 2B, 3B	NOT GO CLASS 2B, 3B	COMPLETE D.E.	HANDLES	
				NO.	PRICE
12 — 32	62.00	62.00	140.30	3W	16.30
1/4 — 32	67.00	67.00	150.30	3W	16.30
5/16 — 32	67.00	67.00	150.50	4W	16.50
3/8 — 32	75.00	75.00	166.50	4W	16.50
7/16 — 28	77.00	77.00	171.20	5W	17.20
1/2 — 28	77.00	77.00	171.20	5W	17.20
9/16 — 24	81.00	81.00	180.00	6W	18.00
5/8 — 24	86.00	86.00	190.00	6W	18.00
11/16 — 24	90.00	90.00	201.00	7W	21.00
3/4 — 20	90.00	90.00	201.00	7W	21.00
13/16 — 20	110.00	110.00	236.00	2-1/2	16.00
7/8 — 20	112.00	112.00	240.00	2-1/2	16.00
15/16 — 20	112.00	112.00	240.50	3-1/2	16.50
1 — 20	115.00	115.00	246.50	3-1/2	16.50
1-1/16 — 18	131.00	131.00	278.50	3-1/2	16.50
1-1/8 — 18	131.00	131.00	278.50	3-1/2	16.50
1-3/16 — 18	138.00	138.00	293.50	4-1/2	17.50
1-1/4 — 18	140.00	140.00	297.50	4-1/2	17.50
1-5/16 — 18	143.00	143.00	303.50	4-1/2	17.50
1-3/8 — 18	145.00	145.00	307.50	4-1/2	17.50
1-7/16 — 18	151.00	151.00	319.50	4-1/2	17.50
1-1/2 — 18	151.00	151.00	319.50	4-1/2	17.50

*13/16 & LARGER ARE TRILOCK STYLE

Thread Ring Gages



NOMINAL SIZE	GO CLASS 2A, 3A	NOT GO CLASS 2A, 3A	GO & NOT GO (SET)	HOLDER OPTIONAL	
				NO.	PRICE
12 — 32	130.70	130.70	261.40	1	23.70
1/4 — 32	128.70	128.70	257.40	2	29.50
5/16 — 32	128.70	128.70	257.40	2	29.50
3/8 — 32	131.40	131.40	262.80	3	33.00
7/16 — 28	134.10	134.10	268.20	3	33.00
1/2 — 28	143.00	143.00	286.00	3	33.00
9/16 — 24	148.00	148.00	296.00	4	40.90
5/8 — 24	156.00	156.00	312.00	4	40.90
11/16 — 24	165.00	165.00	330.00	4	40.90
3/4 — 20	175.00	175.00	350.00	4	40.90
13/16 — 20	185.00	185.00	370.00	4	40.90
7/8 — 20	195.00	195.00	390.00	5	54.10
15/16 — 20	200.00	200.00	400.00	5	54.10
1 — 20	219.00	219.00	438.00	5	54.10
1-1/16 — 18	226.00	226.00	452.00	5	54.10
1-1/8 — 18	237.00	237.00	474.00	5	54.10
1-3/16 — 18	245.00	245.00	490.00	6	66.10
1-1/4 — 18	256.00	256.00	512.00	6	66.10
1-5/16 — 18	265.50	265.50	531.00	6	66.10
1-3/8 — 18	280.00	280.00	560.00	6	66.10
1-7/16 — 18	288.00	288.00	576.00	6	66.10
1-1/2 — 18	288.00	288.00	576.00	6	66.10

Thread Setting Plug Gages



NOMINAL SIZE	GO CLASS 2A, 3A	NOT GO CLASS 2A, 3A	COMPLETE D.E.	HANDLES	
				NO.	PRICE
12 — 32	103.00	103.00	217.50	0	11.50
1/4 — 32	105.00	105.00	222.00	1	12.00
5/16 — 32	105.00	105.00	222.00	1	12.00
3/8 — 32	110.00	110.00	232.00	2	12.00
7/16 — 28	113.00	113.00	238.00	2	12.00
1/2 — 28	125.00	125.00	262.00	2	12.00
9/16 — 24	128.00	128.00	268.50	3	12.50
5/8 — 24	138.00	138.00	288.50	3	12.50
11/16 — 24	138.00	138.00	288.50	3	12.50
3/4 — 20	144.00	144.00	300.50	3	12.50
13/16 — 20	154.00	154.00	320.50	3	12.50
7/8 — 20	154.00	154.00	320.50	4	12.50
15/16 — 20	162.00	162.00	336.50	4	12.50
1 — 20	168.00	168.00	348.50	4	12.50
1-1/16 — 18	168.00	168.00	348.50	4	12.50
1-1/8 — 18	168.00	168.00	348.50	4	12.50
1-3/16 — 18	173.00	173.00	360.00	5	14.00
1-1/4 — 18	173.00	173.00	360.00	5	14.00
1-5/16 — 18	180.00	180.00	374.00	5	14.00
1-3/8 — 18	190.00	190.00	394.00	5	14.00
1-7/16 — 18	206.00	206.00	426.00	5	14.00
1-1/2 — 18	206.00	206.00	426.00	5	14.00

NOTE: ALL FEATURES AND FOOTNOTES LISTED ON PAGES 4, 5, 6 & 7 APPLY TO ABOVE GAGES.

Taper Pipe Thread Gages

NPT—American National Pipe Thread

SIZE	THREADS PER INCH	NPT PLUG MEMBER ONLY	NPT PLUG WH	HANDLE		NPT RING
				SIZE	PRICE EACH	
1/16	27	89.30	101.30	1	12.00	238.00
1/8	27	62.50	74.50	2	12.00	170.00
1/4	18	73.00	85.50	3	12.50	184.50
3/8	18	81.00	93.50	3	12.50	212.50
1/2	14	90.00	102.50	4	12.50	235.50
3/4	14	103.00	115.50	4	12.50	265.50
1	11.5	116.00	130.00	5	14.00	301.00
1-1/4	11.5	129.00	143.00	5	14.00	327.00
1-1/2	11.5	147.00	161.00	5	14.00	388.50
2	11.5	179.00	193.00	5	14.00	468.00



NPT PLUG WITH HANDLE



NPT THREAD RING

NPT — L1 THREAD PLUGS ARE SUPPLIED WITH ONE STEP AS STANDARD.

NOTE: FOR NPT 2-STEP OR 3-STEP LIMIT PLUG MEMBERS ADD \$35.00 PER MEMBER.

ADD 10% FOR HARD CHROME GAGES

NPTF — American National Taper Pipe Dryseal

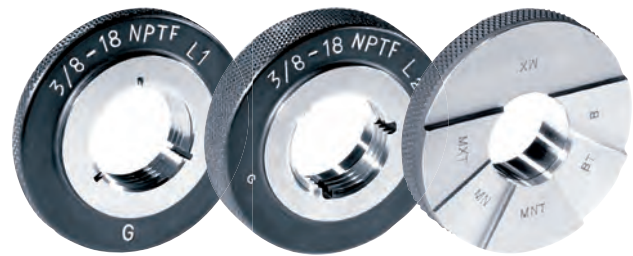
ANPT — Army and Navy Aeronautical Tapered Pipe Thread



NPTF L1 AND L3 WITH HANDLE



NPTF 6 STEP PLUG WITH HANDLE



L1 THREAD RING

L2 THREAD RING

(6) STEP PLAIN RING

SIZE	THREADS PER INCH	NPTF / ANPT L1 PLUG MEMBER ONLY	NPTF / ANPT L3 PLUG MEMBER ONLY	NPTF / ANPT PLAIN TAPER CREST CHECK PLUG 6 STEP	HANDLE		NPTF / ANPT L1 RING	NPTF / ANPT L2 RING	NPTF / ANPT PLAIN TAPER CREST CHECK RING 6 STEP
					SIZE	PRICE EACH			
1/16	27	112.20	112.20	183.20	1	12.00	275.00	337.00	395.00
1/8	27	80.40	80.40	183.20	2	12.00	170.50	322.50	395.00
1/4	18	94.70	94.70	183.20	3	12.50	202.50	337.00	395.00
3/8	18	115.50	115.50	183.20	3	12.50	212.00	354.50	395.00
1/2	14	130.90	130.90	183.20	4	12.50	236.50	364.50	395.00
3/4	14	145.00	145.00	193.20	4	12.50	269.00	401.50	442.00
1	11.5	163.00	163.00	212.00	5	14.00	306.00	439.00	442.00
1-1/4	11.5	184.90	184.90	235.00	5	14.00	333.50	481.00	445.00
1-1/2	11.5	205.00	205.00	255.50	5	14.00	393.50	524.50	511.50
2	11.5	246.30	246.30	355.00	5	14.00	469.50	612.00	620.00

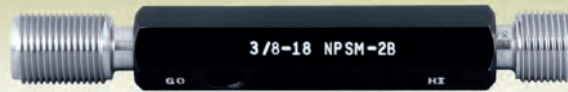
ANPT AND NPTF — L1 & L3 THREAD PLUGS ARE SUPPLIED WITH ONE STEP AS STANDARD.

NOTE: FOR NPTF 2-STEP OR 3-STEP LIMIT PLUG MEMBERS ADD \$35.00 PER MEMBER.

ADD 10% FOR HARD CHROME GAGES

Straight Pipe Thread Gages

NPSM Thread Work Plug — Hard Chrome



NOMINAL SIZE	GO CLASS 2B	NOT GO CLASS 2B	COMPLETE D. E. GAGE W/HANDLE	HANDLES	
				NO.	PRICE
1/8 — 27	98.10	98.10	208.20	2	12.00
1/4 — 18	94.70	94.70	201.90	3	12.50
3/8 — 18	104.00	104.00	220.50	3	12.50
1/2 — 14	109.60	109.60	231.70	4	12.50
3/4 — 14	122.10	122.10	256.70	4	12.50
1 — 11-1/2	143.50	143.50	301.00	5	14.00
1-1/4 — 11-1/2	153.20	153.20	326.10	6	19.70
1-1/2 — 11-1/2	175.20	175.20	370.10	6	19.70
2 — 11-1/2	194.20	194.20	408.10	6	19.70
2-1/2 — 8	223.00	223.00	470.50	7	24.50
3 — 8*	257.00	257.00	563.00	7	24.50

Prices shown on this page also apply to NPSL & NPSF

Consult Factory For Information On:
NPSL
NPSH & NH
**NPSF & NPSI

*(2) HANDLES REQUIRED. REVERSIBLE DESIGN QUOTED UPON REQUEST

**NPSF AND NPSI STRAIGHT INTERNAL THREADS SHOULD BE GAGED WITH NPTF GAGES MODIFIED WITH TWO STEPS PER ASME B1.20-5. CONSULT FACTORY FOR INFORMATION.

NPSM Thread Ring Gage



NOMINAL SIZE	GO CLASS 2A	NOT GO CLASS 2A	GO & NOT GO (SET)	HOLDER	
				NO.	PRICE
1/8 — 27	265.00	265.00	530.00	3	33.00
1/4 — 18	253.00	253.00	506.00	4	40.90
3/8 — 18	262.50	262.50	525.00	4	40.90
1/2 — 14	275.00	275.00	550.00	5	54.10
3/4 — 14	297.60	297.60	595.20	5	54.10
1 — 11-1/2	310.00	310.00	620.00	6	66.10
1-1/4 — 11-1/2	386.00	386.00	772.00	N/A	
1-1/2 — 11-1/2	401.00	401.00	802.00		
2 — 11-1/2	499.00	499.00	998.00	N/A	
2-1/2 — 8	550.00	550.00	1,100.00		
3 — 8	675.00	675.00	1,350.00		

ADD 10% FOR HARD CHROME

NPSM Setting Plug Gage



NOMINAL SIZE	GO CLASS 2A	NOT GO CLASS 2A	COMPLETE D. E. GAGE W/HANDLE	HANDLES	
				NO.	PRICE
1/8 — 27	144.00	144.00	300.00	2	12.00
1/4 — 18	144.00	144.00	300.50	3	12.50
3/8 — 18	154.00	154.00	320.50	3	12.50
1/2 — 14	160.20	160.20	332.90	4	12.50
3/4 — 14	179.10	179.10	370.70	4	12.50
1 — 11-1/2	198.20	198.20	410.40	5	14.00
1-1/4 — 11-1/2	218.70	218.70	457.10	6	19.70
1-1/2 — 11-1/2	256.00	256.00	531.70	6	19.70
2 — 11-1/2	292.30	292.30	604.30	6	19.70
2-1/2 — 8	356.00	356.00	736.50	7	24.50
3 — 8*	399.10	399.10	847.20	7	24.50

*(2) HANDLES REQUIRED

Straight Pipe Pitch Diameter Chart

NOMINAL SIZE	NPSM				NPSC		NPSL			
	INTERNAL 2B		EXTERNAL 2A		INTERNAL		INTERNAL		EXTERNAL	
	GO	NOT GO	GO	NOT GO	GO	NOT GO	GO	NOT GO	GO	NOT GO
1/8 — 27	.3736	.3783	.3725	.3689	.3701	.3771	.3863	.3898	.3840	.3805
1/4 — 18	.4916	.4974	.4903	.4859	.4864	.4968	.5073	.5125	.5038	.4986
3/8 — 18	.6270	.6329	.6256	.6211	.6218	.6322	.6444	.6496	.6409	.6357
1/2 — 14	.7784	.7851	.7769	.7718	.7717	.7851	.8008	.8075	.7963	.7896
3/4 — 14	.9889	.9958	.9873	.9820	.9822	.9956	1.0112	1.0179	1.0067	1.0000
1 — 11-1/2	1.2386	1.2462	1.2369	1.2311	1.2305	1.2468	1.2658	1.2739	1.2604	1.2523
1-1/4 — 11-1/2	1.5834	1.5912	1.5816	1.5756	1.5752	1.5915	1.6106	1.6187	1.6051	1.5970
1-1/2 — 11-1/2	1.8223	1.8302	1.8205	1.8144	1.8142	1.8305	1.8495	1.8576	1.8441	1.8360
2 — 11-1/2	2.2963	2.3044	2.2944	2.2882	2.2881	2.3044	2.3234	2.3315	2.3180	2.3099
2-1/2 — 8	2.7622	2.7720	2.7600	2.7526	2.7504	2.7739	2.8012	2.8129	2.7934	2.7817
3 — 8	3.3885	3.3984	3.3862	3.3786	3.3768	3.4002	3.4276	3.4393	3.4198	3.4081

Thread Plug Gages for Screw Thread Inserts

Helical Coil Gages (STI) — Hard Chrome



UNC, UNF—R.H. FOR HELICAL COIL THREAD PLUG GAGE MEMBERS TAPERLOCK, FOR SCREW THREAD INSERT TYPE TAPPED HOLES

NOMINAL SIZE	STI GO CLASS 2B, 3B	STI NOT GO CLASS 2B, 3B	COMPLETE D. E. GAGE W/HANDLE	HANDLES		NOMINAL SIZE	PITCH DIAMETERS		
				NO.	PRICE		GO	2B NOT GO	3B NOT GO
2 — 56	62.00	62.00	136.00	00	12.00	2 — 56	.0976	.0996	.0989
2 — 64	62.00	62.00	136.00	00	12.00	2 — 64	.0962	.0981	.0974
3 — 48	60.00	60.00	132.00	00	12.00	3 — 48	.1126	.1148	.1140
3 — 56	60.00	60.00	132.00	00	12.00	3 — 56	.1106	.1126	.1119
4 — 40	55.00	55.00	122.00	00	12.00	4 — 40	.1283	.1308	.1299
4 — 48	55.00	55.00	122.00	00	12.00	4 — 48	.1256	.1279	.1271
5 — 40	54.00	54.00	119.50	0	11.50	5 — 40	.1413	.1438	.1430
6 — 32	54.00	54.00	119.50	0	11.50	6 — 32	.1583	.1611	.1601
6 — 40	54.00	54.00	119.50	0	11.50	6 — 40	.1543	.1569	.1560
8 — 32	52.00	52.00	115.50	0	11.50	8 — 32	.1843	.1872	.1862
8 — 36	52.00	52.00	115.50	0	11.50	8 — 36	.1821	.1849	.1840
10 — 24	51.50	51.50	114.50	0	11.50	10 — 24	.2170	.2203	.2192
10 — 32	51.50	51.50	114.50	0	11.50	10 — 32	.2103	.2133	.2123
12 — 24	51.50	51.50	115.00	1	12.00	12 — 24	.2430	.2464	.2453
1/4 — 20	51.00	51.00	114.00	1	12.00	1/4 — 20	.2825	.2864	.2851
1/4 — 28	51.00	51.00	114.00	1	12.00	1/4 — 28	.2732	.2765	.2754
5/16 — 18	51.00	51.00	114.00	1	12.00	5/16 — 18	.3486	.3529	.3515
5/16 — 24	51.00	51.00	114.00	1	12.00	5/16 — 24	.3395	.3433	.3421
3/8 — 16	52.00	52.00	116.00	2	12.00	3/8 — 16	.4156	.4203	.4189
3/8 — 24	52.00	52.00	116.00	2	12.00	3/8 — 24	.4020	.4059	.4047
7/16 — 14	54.00	54.00	120.50	3	12.50	7/16 — 14	.4839	.4890	.4875
7/16 — 20	54.00	54.00	120.00	2	12.00	7/16 — 20	.4700	.4744	.4731
1/2 — 13	56.50	56.50	125.50	3	12.50	1/2 — 13	.5499	.5554	.5537
1/2 — 20	56.50	56.50	125.50	3	12.50	1/2 — 20	.5325	.5371	.5357
9/16 — 12	65.00	65.00	142.50	3	12.50	9/16 — 12	.6167	.6225	.6208
9/16 — 18	65.00	65.00	142.50	3	12.50	9/16 — 18	.5986	.6035	.6020
5/8 — 11	65.50	65.50	143.50	3	12.50	5/8 — 11	.6841	.6903	.6885
5/8 — 18	65.50	65.50	143.50	3	12.50	5/8 — 18	.6611	.6661	.6646
3/4 — 10	72.00	72.00	156.50	4	12.50	3/4 — 10	.8149	.8216	.8196
3/4 — 16	72.00	72.00	156.50	3	12.50	3/4 — 16	.7906	.7961	.7945

All gages conform to ASME B18.29.1.

STI gages are used to gage threads after tapping prior to insertion of Helical Coil wire inserts.

After insertion Standard Unified Go & Not Go gages are used to gage the product.

Reversible design: Quoted Upon Request.

Metric Thread Plug Gages

Hard Chrome

Taperlock 6H Tolerance



Reversible 6H Tolerance



NOMINAL SIZE & PITCH	GO	NOT GO	COMPLETE D. E. GAGE W/HANDLE	HANDLES	
				NO.	PRICE
M 1.6 X 0.35	59.00	59.00	131.00	000	13.00
M 2 X 0.4	58.00	58.00	129.00	000	13.00
M 2.5 X 0.45	53.00	53.00	119.00	000	13.00
M 3 X 0.5	53.00	53.00	118.00	00	12.00
M 3.5 X 0.6	50.00	50.00	112.00	00	12.00
M 4 X 0.7	50.00	50.00	111.50	0	11.50
M 5 X 0.8	50.00	50.00	111.50	0	11.50
M 6 X 1.0	37.00	37.00	86.00	1	12.00
M 8 X 1.25	37.00	37.00	86.00	1	12.00
M 8 X 1.0	37.00	37.00	86.00	1	12.00
M 10 X 1.5	40.00	40.00	92.00	2	12.00
M 10 X 1.25	40.00	40.00	92.00	2	12.00
M 10 X 1.0	40.00	40.00	92.00	2	12.00
M 10 X 0.75	40.00	40.00	92.00	2	12.00
M 12 X 1.75	42.50	42.50	97.00	2	12.00
M 12 X 1.5	42.50	42.50	97.00	2	12.00
M 12 X 1.25	42.50	42.50	97.00	2	12.00
M 12 X 1.0	42.50	42.50	97.00	2	12.00
M 14 X 2.0	48.50	48.50	109.50	3	12.50
M 14 X 1.5	48.50	48.50	109.50	3	12.50
M 15 X 1.0	48.50	48.50	109.50	3	12.50
M 16 X 2.0	48.50	48.50	109.50	3	12.50
M 16 X 1.5	48.50	48.50	109.50	3	12.50
M 17 X 1.0	53.00	53.00	118.50	3	12.50
M 18 X 1.5	53.00	53.00	118.50	3	12.50
M 20 X 2.5	63.50	63.50	139.50	3	12.50
M 20 X 1.5	63.50	63.50	139.50	3	12.50
M 20 X 1.0	63.50	63.50	139.50	3	12.50
M 22 X 2.5	63.50	63.50	139.50	4	12.50
M 22 X 1.5	63.50	63.50	139.50	4	12.50
M 24 X 3.0	69.00	69.00	150.50	4	12.50
M 24 X 2.0	69.00	69.00	150.50	4	12.50
M 25 X 1.5	98.00	98.00	208.50	4	12.50
M 27 X 3.0	98.00	98.00	208.50	4	12.50
M 27 X 2.0	98.00	98.00	208.50	4	12.50
M 30 X 3.5	115.50	115.50	245.00	5	14.00
M 30 X 2.0	115.50	115.50	245.00	5	14.00
M 30 X 1.5	115.50	115.50	245.00	5	14.00
M 33 X 2.0	115.50	115.50	245.00	5	14.00
M 35 X 1.5	136.00	136.00	286.00	5	14.00
M 36 X 4.0	136.00	136.00	286.00	5	14.00
M 36 X 2.0	136.00	136.00	286.00	5	14.00
M 39 X 2.0*	161.00	161.00	341.40	5-1/2	19.40

NOMINAL SIZE & PITCH	GO	NOT GO	COMPLETE D. E. GAGE W/HANDLE	HANDLES	
				NO.	PRICE
M 1.6 X 0.35	80.50	80.50	175.50	1W	14.50
M 2 X 0.4	80.50	80.50	175.10	2W	14.10
M 2.5 X 0.45	80.50	80.50	175.10	2W	14.10
M 3 X 0.5	70.00	70.00	154.10	2W	14.10
M 3.5 X 0.6	64.50	64.50	143.10	2W	14.10
M 4 X 0.7	64.50	64.50	143.10	2W	14.10
M 5 X 0.8	64.50	64.50	145.30	3W	16.30
M 6 X 1.0	53.00	53.00	122.30	3W	16.30
M 8 X 1.25	53.00	53.00	122.50	4W	16.50
M 8 X 1.0	53.00	53.00	122.50	4W	16.50
M 10 X 1.5	54.50	54.50	125.50	4W	16.50
M 10 X 1.25	54.50	54.50	125.50	4W	16.50
M 10 X 1.0	54.50	54.50	125.50	4W	16.50
M 10 X 0.75	54.50	54.50	125.50	4W	16.50
M 12 X 1.75	55.25	55.25	127.70	5W	17.20
M 12 X 1.5	55.25	55.25	127.70	5W	17.20
M 12 X 1.25	55.25	55.25	127.70	5W	17.20
M 12 X 1.0	55.25	55.25	127.70	5W	17.20
M 14 X 2.0	62.00	62.00	142.00	6W	18.00
M 14 X 1.5	62.00	62.00	142.00	6W	18.00
M 15 X 1.0	64.50	64.50	147.00	6W	18.00
M 16 X 2.0	64.50	64.50	147.00	6W	18.00
M 16 X 1.5	64.50	64.50	147.00	6W	18.00
M 17 X 1.0	74.50	74.50	170.00	7W	21.00
M 18 X 1.5	74.50	74.50	170.00	7W	21.00

Graphitic Tool Steel:

All thread gages are made of the finest oil hardened graphitic tool steel available. Because of the graphite lubricant qualities in this steel, (which reduces friction) and high carbon content, it produces superior long wearing qualities.

Hard Chrome:

All standard thread plugs are supplied in hard chrome at no additional cost.

- Heat treated and cold treated for extreme stability.
- Lapped for extra precision and longer wear.
- Add 30% for Class "W" on Pitch Dia. See page 14 for listing of Standard Pitch Diameters.

*TRILOCK DESIGN

SPECIAL METRIC THREAD GAGES: QUOTED UPON REQUEST.

ALL GAGES CONFORM TO ANSI B1.16M

MJ THREADS: ADD \$8.00 PER MEMBER

Metric Thread Ring & Setting Plug Gages

Metric Thread Ring Gages — Steel 6g Tolerance



Metric Truncated Thread Setting Plugs — Steel 6g Tolerance



CLASS W TOLERANCE PITCH DIAMETER, LEAD & ANGLE - RH - STEEL

NOMINAL SIZE & PITCH	GO	NOT GO	GO & NOT GO (SET)	HOLDER OPTIONAL	
				NO.	PRICE
M 1.6 X 0.35	184.00	184.00	368.00	1	23.70
M 2 X 0.4	154.00	154.00	308.00	1	23.70
M 2.5 X 0.45	154.00	154.00	308.00	1	23.70
M 3 X 0.5	135.00	135.00	270.00	1	23.70
M 3.5 X 0.6	135.00	135.00	270.00	1	23.70
M 4 X 0.7	129.00	129.00	258.00	1	23.70
M 5 X 0.8	129.00	129.00	258.00	1	23.70
M 6 X 1.0	117.00	117.00	234.00	2	29.50
M 8 X 1.25	117.00	117.00	234.00	2	29.50
M 8 X 1.0	117.00	117.00	234.00	2	29.50
M 10 X 1.5	126.00	126.00	252.00	3	33.00
M 10 X 1.25	126.00	126.00	252.00	3	33.00
M 10 X 1.0	126.00	126.00	252.00	3	33.00
M 10 X 0.75	126.00	126.00	252.00	3	33.00
M 12 X 1.75	133.00	133.00	266.00	3	33.00
M 12 X 1.5	133.00	133.00	266.00	3	33.00
M 12 X 1.25	133.00	133.00	266.00	3	33.00
M 12 X 1.0	133.00	133.00	266.00	3	33.00
M 14 X 2.0	142.00	142.00	284.00	4	40.90
M 14 X 1.5	142.00	142.00	284.00	4	40.90
M 15 X 1.0	142.00	142.00	284.00	4	40.90
M 16 X 2.0	142.00	142.00	284.00	4	40.90
M 16 X 1.5	142.00	142.00	284.00	4	40.90
M 17 X 1.0	194.00	194.00	388.00	4	40.90
M 18 X 1.5	194.00	194.00	388.00	4	40.90
M 20 X 2.5	235.00	235.00	470.00	4	40.90
M 20 X 1.5	235.00	235.00	470.00	4	40.90
M 20 X 1.0	235.00	235.00	470.00	4	40.90
M 22 X 2.5	246.00	246.00	492.00	5	54.10
M 22 X 1.5	246.00	246.00	492.00	5	54.10
M 24 X 3.0	276.00	276.00	552.00	5	54.10
M 24 X 2.0	276.00	276.00	552.00	5	54.10
M 25 X 1.5	282.00	282.00	564.00	5	54.10
M 27 X 3.0	282.00	282.00	564.00	5	54.10
M 27 X 2.0	282.00	282.00	564.00	5	54.10
M 30 X 3.5	293.00	293.00	586.00	6	66.10
M 30 X 2.0	293.00	293.00	586.00	6	66.10
M 30 X 1.5	293.00	293.00	586.00	6	66.10
M 33 X 2.0	306.00	306.00	612.00	6	66.10
M 35 X 1.5	306.00	306.00	612.00	6	66.10
M 36 X 4.0	327.00	327.00	654.00	6	66.10
M 36 X 2.0	327.00	327.00	654.00	6	66.10
M 39 X 2.0	358.00	358.00	716.00	N/A	—

NOMINAL SIZE & PITCH	GO	NOT GO	COMPLETE D. E. GAGE W/HANDLE	HANDLES	
				NO.	PRICE
M 1.6 X 0.35	113.00	113.00	239.00	000	13.00
M 2 X 0.4	110.00	110.00	233.00	000	13.00
M 2.5 X 0.45	110.00	110.00	233.00	000	13.00
M 3 X 0.5	108.00	108.00	228.00	00	12.00
M 3.5 X 0.6	108.00	108.00	228.00	00	12.00
M 4 X 0.7	108.00	108.00	227.50	0	11.50
M 5 X 0.8	108.00	108.00	227.50	0	11.50
M 6 X 1.0	91.00	91.00	194.00	1	12.00
M 8 X 1.25	91.00	91.00	194.00	1	12.00
M 8 X 1.0	91.00	91.00	194.00	1	12.00
M 10 X 1.5	97.00	97.00	206.00	2	12.00
M 10 X 1.25	97.00	97.00	206.00	2	12.00
M 10 X 1.0	97.00	97.00	206.00	2	12.00
M 10 X 0.75	97.00	97.00	206.00	2	12.00
M 12 X 1.75	102.00	102.00	216.00	2	12.00
M 12 X 1.5	102.00	102.00	216.00	2	12.00
M 12 X 1.25	102.00	102.00	216.00	2	12.00
M 12 X 1.0	102.00	102.00	216.00	2	12.00
M 14 X 2.0	116.00	116.00	244.50	3	12.50
M 14 X 1.5	116.00	116.00	244.50	3	12.50
M 15 X 1.0	116.00	116.00	244.50	3	12.50
M 16 X 2.0	116.00	116.00	244.50	3	12.50
M 16 X 1.5	116.00	116.00	244.50	3	12.50
M 17 X 1.0	134.00	134.00	280.50	3	12.50
M 18 X 1.5	134.00	134.00	280.50	3	12.50
M 20 X 2.5	143.00	143.00	298.50	3	12.50
M 20 X 1.5	143.00	143.00	298.50	3	12.50
M 20 X 1.0	143.00	143.00	298.50	3	12.50
M 22 X 2.5	148.00	148.00	308.50	4	12.50
M 22 X 1.5	148.00	148.00	308.50	4	12.50
M 24 X 3.0	155.00	155.00	322.50	4	12.50
M 24 X 2.0	155.00	155.00	322.50	4	12.50
M 25 X 1.5	162.00	162.00	336.50	4	12.50
M 27 X 3.0	178.00	178.00	368.50	4	12.50
M 27 X 2.0	178.00	178.00	368.50	4	12.50
M 30 X 3.5	186.00	186.00	386.00	5	14.00
M 30 X 2.0	186.00	186.00	386.00	5	14.00
M 30 X 1.5	186.00	186.00	386.00	5	14.00
M 33 X 2.0	199.00	199.00	412.00	5	14.00
M 35 X 1.5	210.00	210.00	434.00	5	14.00
M 36 X 4.0	210.00	210.00	434.00	5	14.00
M 36 X 2.0	210.00	210.00	434.00	5	14.00
M 39 X 2.0	242.00	242.00	503.40	5-1/2	19.40

ADD 10% FOR HARD CHROME

SPECIAL METRIC THREAD GAGES: QUOTED UPON REQUEST.

ALL GAGES CONFORM TO ANSI B1.16M

SEE PAGE 14 FOR LISTING OF STANDARD PITCH DIAMETERS

MJ THREADS: ADD \$8.00 PER MEMBER

Metric Thread Gages

Standard Pitch Diameter Chart

NOMINAL SIZE & PITCH	FOR EXTERNAL THREAD				FOR INTERNAL THREAD			
	PITCH DIAMETER GO RING GAGE 6g TOLERANCE		PITCH DIAMETER NOT GO RING GAGE 6g TOLERANCE		PITCH DIAMETER GO PLUG GAGE 6H TOLERANCE		PITCH DIAMETER NOT GO PLUG GAGE 6H TOLERANCE	
	MM	IN. (REF)	MM	IN. (REF)	MM	IN. (REF)	MM	IN. (REF)
M 1.6 X 0.35	1.354	.05331	1.291	.05083	1.373	.05406	1.458	.05740
M 2 X 0.4	1.721	.06776	1.654	.06512	1.740	.06850	1.830	.07205
M 2.5 X 0.45	2.188	.08614	2.117	.08335	2.208	.08693	2.303	.09067
M 3 X 0.5	2.655	.10453	2.580	.10157	2.675	.10531	2.775	.10925
M 3.5 X 0.6	3.089	.12161	3.004	.11827	3.110	.12244	3.222	.12685
M 4 X 0.7	3.523	.13870	3.433	.13516	3.545	.13957	3.663	.14421
M 5 X 0.8	4.456	.17543	4.361	.17169	4.480	.17638	4.605	.18130
M 6 X 1.0	5.324	.20961	5.212	.20520	5.350	.21063	5.500	.21654
M 8 X 1.25	7.160	.28189	7.042	.27724	7.188	.28299	7.348	.28929
M 8 X 1.0	7.324	.28835	7.212	.28394	7.350	.28937	7.500	.29528
M 10 X 1.5	8.994	.35409	8.862	.34890	9.026	.35535	9.206	.36244
M 10 X 1.25	9.160	.36063	9.042	.35598	9.188	.36173	9.348	.36803
M 10 X 1.0	9.324	.36709	9.212	.36268	9.350	.36811	9.500	.37402
M 10 X 0.75	9.491	.37366	9.391	.36972	9.513	.37453	9.645	.37972
M 12 X 1.75	10.829	.42634	10.679	.42043	10.863	.42768	11.063	.43555
M 12 X 1.5	10.994	.43283	10.854	.42732	11.026	.43409	11.216	.44157
M 12 X 1.25	11.160	.43937	11.028	.43417	11.188	.44047	11.368	.44756
M 12 X 1.0	11.324	.44583	11.206	.44118	11.350	.44685	11.510	.45315
M 14 X 2.0	12.663	.49854	12.503	.49224	12.701	.50004	12.913	.50839
M 14 X 1.5	12.994	.51157	12.854	.50606	13.026	.51283	13.216	.52031
M 15 X 1.0	14.324	.56394	14.206	.55929	14.350	.56496	14.510	.57126
M 16 X 2.0	14.663	.57728	14.503	.57098	14.701	.57878	14.913	.58713
M 16 X 1.5	14.994	.59031	14.854	.58480	15.026	.59157	15.216	.59906
M 17 X 1.0	16.324	.64268	16.206	.63803	16.350	.64370	16.510	.65000
M 18 X 1.5	16.994	.66906	16.854	.66354	17.026	.67031	17.216	.67780
M 20 X 2.5	18.334	.72181	18.164	.71512	18.376	.72346	18.600	.73228
M 20 X 1.5	18.994	.74780	18.854	.74228	19.026	.74906	19.216	.75654
M 20 X 1.0	19.324	.76079	19.206	.75614	19.350	.76181	19.510	.76811
M 22 X 2.5	20.334	.80055	20.164	.79386	20.376	.80220	20.600	.81102
M 22 X 1.5	20.994	.82654	20.854	.82102	21.026	.82780	21.216	.83528
M 24 X 3.0	22.003	.86626	21.803	.85839	22.051	.86815	22.316	.87858
M 24 X 2.0	22.663	.89224	22.493	.88555	22.701	.89374	22.925	.90256
M 25 X 1.5	23.994	.94465	23.844	.93874	24.026	.94591	24.226	.95378
M 27 X 3.0	25.003	.98437	24.803	.97650	25.051	.98626	25.316	.99669
M 27 X 2.0	25.663	1.01035	25.493	1.00366	25.701	1.01185	25.925	1.02067
M 30 X 3.5	27.674	1.08953	27.642	1.08118	27.727	1.09161	28.007	1.10264
M 30 X 2.0	28.663	1.12846	28.493	1.12177	28.701	1.12996	28.925	1.13878
M 30 X 1.5	28.994	1.14150	28.844	1.13559	29.026	1.14276	29.226	1.15063
M 33 X 2.0	31.663	1.24657	31.493	1.23988	31.701	1.24807	31.925	1.25689
M 35 X 1.5	33.994	1.33835	33.844	1.33244	34.026	1.33961	34.226	1.34748
M 36 X 4.0	33.342	1.31268	33.118	1.30386	33.402	1.31504	33.702	1.32685
M 36 X 2.0	34.663	1.36469	34.493	1.35799	34.701	1.36618	34.925	1.37500
M 39 X 2.0	37.663	1.48280	37.493	1.47610	37.701	1.48429	37.925	1.49311

ANSI / ASME B1.13M, METRIC SCREW THREADS—M PROFILE

Special Thread Plug and Ring Gages

ACME — WITHWORTH — BUTTRESS — BRITISH — SPECIAL PIPE — MULTIPLE LEAD
PRE-PLATE — LEFT HAND — 60° STUB — RADIUS



Thread Gages — Our Speciality

Gage Assembly Company manufactures standard and special thread gages for virtually every type of thread. American inch, metric, acme, buttress, straight and tapered pipe are all available. Size capabilities run from 000-120 threads per inch to 15 $\frac{1}{2}$ inch diameter and one thread per inch. All gages are manufactured to ANSI standards, and are traceable to NIST (National Institute of Standards and Technology). Please consult the factory for pricing and ordering information.

Gage Assembly offers 24-hour delivery on in-stock standard thread gages. Calibration services are also available.

Standard Pitch Diameter Chart

Plug Thread Gages

NOMINAL SIZE	GO BASIC ALL CLASSES ALL SERIES	UNIFIED PITCH DIAMETERS				
		NOT GO		X TOL. GO =+ NO GO =-	X LEAD TOL.	X ± HALF ANGLE TOL.
		CLASS 2B	CLASS 3B			
#0-80 UNF	.0519	.0542	.0536	.0002	.0002	0°30'
#1-64 UNC	.0629	.0655	.0648	.0002	.0002	0°30'
#1-72 UNF	.0640	.0665	.0659	.0002	.0002	0°30'
#2-56 UNC	.0744	.0772	.0765	.0002	.0002	0°30'
#2-64 UNF	.0759	.0786	.0779	.0002	.0002	0°30'
#3-48 UNC	.0855	.0885	.0877	.0002	.0002	0°30'
#3-56 UNF	.0874	.0902	.0895	.0002	.0002	0°30'
#4-40 UNC	.0958	.0991	.0982	.0002	.0002	0°20'
#4-48 UNF	.0985	.1016	.1008	.0002	.0002	0°30'
#5-40 UNC	.1088	.1121	.1113	.0002	.0002	0°20'
#5-44 UNF	.1102	.1134	.1126	.0002	.0002	0°20'
#6-32 UNC	.1177	.1214	.1204	.0003	.0003	0°15'
#6-40 UNF	.1218	.1252	.1243	.0002	.0002	0°20'
#8-32 UNC	.1437	.1475	.1465	.0003	.0003	0°15'
#8-36 UNF	.1460	.1496	.1487	.0002	.0002	0°20'
#10-24 UNC	.1629	.1672	.1661	.0003	.0003	0°15'
#10-32 UNF	.1697	.1736	.1726	.0003	.0003	0°15'
#12-24 UNC	.1889	.1933	.1922	.0003	.0003	0°15'
#12-28 UNF	.1928	.1970	.1959	.0003	.0003	0°15'
#12-32 UNEF	.1957	.1998	.1988	.0003	.0003	0°15'
¼-20 UNC	.2175	.2224	.2211	.0003	.0003	0°15'
¼-28 UNF	.2268	.2311	.2300	.0003	.0003	0°15'
¼-32 UNEF	.2297	.2339	.2328	.0003	.0003	0°15'
⅕-18 UNC	.2764	.2817	.2803	.0003	.0003	0°10'
⅕-24 UNF	.2854	.2902	.2890	.0003	.0003	0°15'
⅕-32 UNEF	.2922	.2964	.2953	.0003	.0003	0°15'
⅜-16 UNC	.3344	.3401	.3387	.0003	.0003	0°10'
⅜-24 UNF	.3479	.3528	.3516	.0003	.0003	0°15'
⅜-32 UNEF	.3547	.3591	.3580	.0003	.0003	0°15'
⅞-14 UNC	.3911	.3972	.3957	.0003	.0003	0°10'
⅞-20 UNF	.4050	.4104	.4091	.0003	.0003	0°15'
⅞-28 UNEF	.4143	.4189	.4178	.0003	.0003	0°15'
½-13 UNC	.4500	.4565	.4548	.0003	.0003	0°10'
½-20 UNF	.4675	.4731	.4717	.0003	.0003	0°15'
½-28 UNEF	.4768	.4816	.4804	.0003	.0003	0°15'
⅝-12 UNC	.5084	.5152	.5135	.0003	.0003	0°10'
⅝-18 UNF	.5264	.5323	.5308	.0003	.0003	0°10'

NOMINAL SIZE	GO BASIC ALL CLASSES ALL SERIES	UNIFIED PITCH DIAMETERS				
		NOT GO		X TOL. GO =+ NO GO =-	X LEAD TOL.	X ± HALF ANGLE TOL.
		CLASS 2B	CLASS 3B			
⅝-24 UNEF	.5354	.5405	.5392	.0003	.0003	0°15'
⅝-11 UNC	.5660	.5732	.5714	.0003	.0003	0°10'
⅝-18 UNF	.5889	.5949	.5934	.0003	.0003	0°10'
⅝-24 UNEF	.5979	.6031	.6018	.0003	.0003	0°15'
1⅞-24 UNEF	.6604	.6656	.6643	.0003	.0003	0°15'
¾-10 UNC	.6850	.6927	.6907	.0003	.0003	0°10'
¾-16 UNF	.7094	.7159	.7143	.0003	.0003	0°10'
¾-20 UNEF	.7175	.7232	.7218	.0003	.0003	0°15'
1⅞-20 UNEF	.7800	.7857	.7843	.0003	.0003	0°15'
⅞-9 UNC	.8028	.8110	.8089	.0003	.0003	0°10'
⅞-14 UNF	.8286	.8356	.8339	.0003	.0003	0°10'
⅞-20 UNEF	.8425	.8482	.8468	.0003	.0003	0°15'
1⅞-20 UNEF	.9050	.9109	.9094	.0003	.0003	0°15'
1"-8 UNC	.9188	.9276	.9254	.0004	.0004	0°05'
1"-12 UNF	.9459	.9535	.9516	.0003	.0003	0°10'
1"-14 UNS	.9536	.9609	.9590	.0003	.0003	0°10'
1"-20 UNEF	.9675	.9734	.9719	.0003	.0003	0°15'
1⅞-12 UN	1.0084	1.0158	1.0139	.0003	.0003	0°10'
1⅞-18 UNEF	1.0264	1.0326	1.0310	.0003	.0003	0°10'
1⅞-7 UNC	1.0322	1.0416	1.0393	.0004	.0004	0°05'
1⅞-12 UNF	1.0709	1.0787	1.0768	.0003	.0003	0°10'
1⅞-18 UNEF	1.0889	1.0951	1.0935	.0003	.0003	0°10'
1⅞-12 UN	1.1334	1.1409	1.1390	.0003	.0003	0°10'
1⅞-18 UNEF	1.1514	1.1577	1.1561	.0003	.0003	0°10'
1⅞-7 UNC	1.1572	1.1668	1.1644	.0004	.0004	0°05'
1⅞-12 UNF	1.1959	1.2039	1.2019	.0003	.0003	0°10'
1⅞-18 UNEF	1.2139	1.2202	1.2186	.0003	.0003	0°10'
1⅞-12 UN	1.2584	1.2659	1.2640	.0003	.0003	0°10'
1⅞-18 UNEF	1.2764	1.2827	1.2811	.0003	.0003	0°10'
1⅞-6 UNC	1.2667	1.2771	1.2745	.0004	.0004	0°05'
1⅞-12 UNF	1.3209	1.3291	1.3270	.0003	.0003	0°10'
1⅞-18 UNEF	1.3389	1.3452	1.3436	.0003	.0003	0°10'
1⅞-12 UN	1.3834	1.3910	1.3891	.0003	.0003	0°10'
1⅞-18 UNEF	1.4014	1.4079	1.4062	.0003	.0003	0°10'
1⅞-6 UNC	1.3917	1.4022	1.3996	.0004	.0004	0°05'
1⅞-12 UNF	1.4459	1.4542	1.4522	.0003	.0003	0°10'
1⅞-18 UNEF	1.4639	1.4704	1.4687	.0003	.0003	0°10'

Standard Pitch Diameter Chart

Ring Thread Gages and Setting Plugs

NOMINAL SIZE	UNIFIED PITCH DIAMETERS				
	CLASS 2A		CLASS 3A		X TOL. GO = - NO GO = +
	GO	NOT GO	GO	NOT GO	
#0-80 UNF	.0514	.0496	.0519	.0506	.0002
#1-64 UNC	.0623	.0603	.0629	.0614	.0002
#1-72 UNF	.0634	.0615	.0640	.0626	.0002
#2-56 UNC	.0738	.0717	.0744	.0728	.0002
#2-64 UNF	.0753	.0733	.0759	.0744	.0002
#3-48 UNC	.0848	.0825	.0855	.0838	.0002
#3-56 UNF	.0867	.0845	.0874	.0858	.0002
#4-40 UNC	.0950	.0925	.0958	.0939	.0002
#4-48 UNF	.0978	.0954	.0985	.0967	.0002
#5-40 UNC	.1080	.1054	.1088	.1069	.0002
#5-44 UNF	.1095	.1070	.1102	.1083	.0002
#6-32 UNC	.1169	.1141	.1177	.1156	.0003
#6-40 UNF	.1210	.1184	.1218	.1198	.0002
#8-32 UNC	.1428	.1399	.1437	.1415	.0003
#8-36 UNF	.1452	.1424	.1460	.1439	.0002
#10-24 UNC	.1619	.1586	.1629	.1604	.0003
#10-32 UNF	.1688	.1658	.1697	.1674	.0003
#12-24 UNC	.1879	.1845	.1889	.1863	.0003
#12-28 UNF	.1918	.1886	.1928	.1904	.0003
#12-32 UNEF	.1948	.1917	.1957	.1933	.0003
¼-20 UNC	.2164	.2127	.2175	.2147	.0003
¼-28 UNF	.2258	.2225	.2268	.2243	.0003
¼-32 UNEF	.2287	.2255	.2297	.2273	.0003
⅝-18 UNC	.2752	.2712	.2764	.2734	.0003
⅝-24 UNF	.2843	.2806	.2854	.2827	.0003
⅝-32 UNEF	.2912	.2880	.2922	.2898	.0003
¾-16 UNC	.3331	.3287	.3344	.3311	.0003
¾-24 UNF	.3468	.3430	.3479	.3450	.0003
¾-32 UNEF	.3537	.3503	.3547	.3522	.0003
7/16-14 UNC	.3897	.3850	.3911	.3876	.0003
7/16-20 UNF	.4037	.3995	.4050	.4019	.0003
7/16-28 UNEF	.4132	.4096	.4143	.4116	.0003
½-13 UNC	.4485	.4435	.4500	.4463	.0003
½-20 UNF	.4662	.4619	.4675	.4643	.0003
½-28 UNEF	.4757	.4720	.4768	.4740	.0003
⅞-12 UNC	.5068	.5016	.5084	.5045	.0003
⅞-18 UNF	.5250	.5205	.5264	.5230	.0003

NOMINAL SIZE	UNIFIED PITCH DIAMETERS				
	CLASS 2A		CLASS 3A		X TOL. GO = - NO GO = +
	GO	NOT GO	GO	NOT GO	
⅞-24 UNEF	.5342	.5303	.5354	.5325	.0003
⅝-11 UNC	.5644	.5589	.5660	.5619	.0003
⅝-18 UNF	.5875	.5828	.5889	.5854	.0003
⅝-24 UNEF	.5967	.5927	.5979	.5949	.0003
1 1/16-24 UNEF	.6592	.6552	.6604	.6574	.0003
¾-10 UNC	.6832	.6773	.6850	.6806	.0003
¾-16 UNF	.7079	.7029	.7094	.7056	.0003
¾-20 UNEF	.7162	.7118	.7175	.7142	.0003
1 3/16-20 UNEF	.7787	.7743	.7800	.7767	.0003
7/8-9 UNC	.8009	.7946	.8028	.7981	.0003
7/8-14 UNF	.8270	.8216	.8286	.8245	.0003
7/8-20 UNEF	.8412	.8368	.8425	.8392	.0003
1 5/16-20 UNEF	.9036	.8991	.9050	.9016	.0003
1"-8 UNC	.9168	.9100	.9188	.9137	.0004
1"-12 UNF	.9441	.9382	.9459	.9415	.0003
1"-14 UNS	.9519	.9463	.9536	.9494	.0003
1"-20 UNEF	.9661	.9616	.9675	.9641	.0003
1 1/16-12 UN	1.0067	1.0010	1.0084	1.0042	.0003
1 1/16-18 UNEF	1.0250	1.0203	1.0264	1.0228	.0003
1 1/8-7 UNC	1.0300	1.0228	1.0322	1.0268	.0004
1 1/8-12 UNF	1.0691	1.0631	1.0709	1.0664	.0003
1 1/8-18 UNEF	1.0875	1.0828	1.0889	1.0853	.0003
1 3/8-12 UN	1.1317	1.1259	1.1334	1.1291	.0003
1 3/8-18 UNEF	1.1499	1.1450	1.1514	1.1478	.0003
1 1/4-7 UNC	1.1550	1.1476	1.1572	1.1517	.0004
1 1/4-12 UNF	1.1941	1.1879	1.1959	1.1913	.0003
1 1/4-18 UNEF	1.2124	1.2075	1.2139	1.2103	.0003
1 5/8-12 UN	1.2567	1.2509	1.2584	1.2541	.0003
1 5/8-18 UNEF	1.2749	1.2700	1.2764	1.2728	.0003
1 3/4-6 UNC	1.2643	1.2563	1.2667	1.2607	.0004
1 3/8-12 UNF	1.3190	1.3127	1.3209	1.3162	.0003
1 3/8-18 UNEF	1.3374	1.3325	1.3389	1.3353	.0003
1 7/8-12 UN	1.3816	1.3757	1.3834	1.3790	.0003
1 7/8-18 UNEF	1.3999	1.3949	1.4014	1.3977	.0003
1 1/2-6 UNC	1.3893	1.3812	1.3917	1.3856	.0004
1 1/2-12 UNF	1.4440	1.4376	1.4459	1.4411	.0003
1 1/2-18 UNEF	1.4624	1.4574	1.4639	1.4602	.0003

Taperlock Plain Plug Gages English or Metric



SIZE RANGE	CLASS	GO MEMBERS PRICE EACH IN QUANTITIES OF			NO GO MEMBERS PRICE EACH IN QUANTITIES OF			HANDLES PRICE/NO.	ONE COMPLETE D. E. GAGE W/HANDLE
FROM – TO		1	2-5	6-10	1	2-5	6-10		
.1501 – .1850 3.8125 – 4.6990mm	XX	110.50	108.50	106.50	95.00	93.00	91.00	11.50 0	217.00
	X	84.00	82.00	80.00	77.00	75.00	73.00		172.50
	Y	78.00	76.00	74.00	70.00	68.00	66.00		159.50
	Z	67.50	65.50	63.50	57.00	55.00	53.00		136.00
.1851 – .2300 4.7015-5.8420mm	XX	110.50	108.50	106.50	95.00	93.00	91.00	11.50 0	217.00
	X	84.00	82.00	80.00	77.00	75.00	73.00		172.50
	Y	78.00	76.00	74.00	70.00	68.00	66.00		159.50
	Z	67.50	65.50	63.50	57.00	55.00	53.00		136.00
.2301 – .3650 5.8445-9.2710mm	XX	144.50	142.50	140.50	135.00	133.00	131.00	12.00 1	291.50
	X	120.50	118.50	116.50	112.00	110.00	108.00		244.50
	Y	108.00	106.00	104.00	106.50	104.50	102.50		226.50
	Z	106.50	104.50	102.50	103.50	101.50	99.50		222.00
.3651 – .5100 9.2736 – 12.954mm	XX	146.20	144.20	142.20	140.00	138.00	136.00	12.00 2	298.20
	X	122.50	120.50	118.50	118.00	116.00	114.00		252.50
	Y	118.50	116.50	114.50	115.00	113.00	111.00		245.50
	Z	111.00	109.00	107.00	108.00	106.00	104.00		231.00
.5101 – .8250 12.9566 – 20.9550mm	XX	146.20	144.20	142.20	140.00	138.00	136.00	12.50 3	298.70
	X	122.50	120.50	118.50	118.00	116.00	114.00		253.00
	Y	118.00	116.00	114.00	115.00	113.00	111.00		245.50
	Z	111.00	109.00	107.00	108.00	106.00	104.00		231.50
.8251-1.1350 20.9576-28.8291mm	XX	166.00	164.00	162.00	163.00	161.00	159.00	12.50 4	341.50
	X	141.50	139.50	137.50	135.00	133.00	131.00		289.00
	Y	140.00	138.00	136.00	133.00	131.00	129.00		285.50
	Z	137.00	135.00	133.00	127.00	125.00	123.00		276.50
1.1351 – 1.5100 28.8316 – 38.3541mm	XX	173.00	171.00	169.00	164.00	162.00	160.00	14.00 5	351.00
	X	144.50	142.50	140.50	140.00	138.00	136.00		298.50
	Y	140.00	138.00	136.00	138.00	136.00	134.00		292.00
	Z	138.00	136.00	134.00	132.50	130.50	128.50		284.50

PROGRESSIVE DESIGN ADD PRICE OF GO & NO GO MEMBERS.

CLASS XXX—QUOTED UPON REQUEST

HARD CHROME AND CARBIDE QUOTED UPON REQUEST.

UNILATERAL TOLERANCE FURNISHED UNLESS OTHERWISE SPECIFIED. (GO PLUS NO GO MINUS)

QUANTITY PRICES APPLY TO IDENTICAL SIZES

Reversible Plain Plug Gages English or Metric



SIZE RANGE	CLASS	GO OR NO GO MEMBERS PRICE EACH IN QUANTITIES OF				HANDLES PRICE / NO.	ONE COMPLETE D. E. GAGE W / HANDLE
FROM – TO		1	2	3-5	6-11		
.0100-.0300 2540-.7620MM	XX	88.00	86.00	84.00	82.00	14.50 1W	190.50
	X	62.00	60.00	58.00	56.00		138.50
	Y	59.00	57.00	55.00	53.00		132.50
	Z	48.00	46.00	44.00	42.00		110.50
.0301-.0500 .7645-1.270MM	XX	52.50	50.50	48.50	46.50	14.50 1W	119.50
	X	36.00	34.00	32.00	30.00		86.50
	Y	33.00	31.00	29.00	27.00		80.50
	Z	29.00	27.00	25.00	23.00		49.70
.0501-.0750 1.2725-1.9050MM	XX	52.50	50.50	48.50	46.50	14.50 1W	119.50
	X	36.00	34.00	32.00	30.00		86.50
	Y	33.00	31.00	29.00	27.00		80.50
	Z	29.00	27.00	25.00	23.00		72.50
.0751-.1800 1.9075-4.5720MM	XX	51.00	49.00	47.00	45.00	14.10 2W	116.10
	X	41.50	39.50	37.50	35.50		97.10
	Y	40.00	38.00	36.00	34.00		94.10
	Z	32.00	30.00	28.00	26.00		78.10
.1801-.2810 4.5780-7.1374MM	XX	53.00	51.00	49.00	47.00	16.30 3W	122.30
	X	46.00	44.00	42.00	40.00		108.30
	Y	41.50	39.50	37.50	35.50		99.30
	Z	31.50	29.50	27.50	25.50		79.30
.2811-.4060 7.1399-10.3125MM	XX	56.00	54.00	52.00	50.00	16.50 4W	128.50
	X	46.00	44.00	42.00	40.00		108.50
	Y	43.00	41.00	39.00	37.00		102.50
	Z	31.50	29.50	27.50	25.50		79.50
.4061-.5100 10.3150-12.9540MM	XX	59.00	57.00	55.00	53.00	17.20 5W	135.20
	X	51.00	49.00	47.00	45.00		119.20
	Y	46.00	44.00	42.00	40.00		109.20
	Z	35.00	33.00	31.00	29.00		87.20
.5101-.6350 12.9565-16.1290MM	XX	62.50	60.50	48.50	46.50	18.00 6W	143.00
	X	54.50	52.50	50.50	48.50		127.00
	Y	48.00	46.00	44.00	42.00		114.00
	Z	38.50	36.50	34.50	32.50		95.00
.6351-.7600 16.1316-19.3040MM	XX	65.50	63.50	61.50	59.50	21.00 7W	152.00
	X	56.00	54.00	52.00	50.00		133.00
	Y	51.00	49.00	47.00	45.00		123.00
	Z	41.50	39.50	37.50	35.50		104.00

ALL MEMBERS 2" LONG. SPECIAL LENGTHS QUOTED UPON REQUEST.

CLASS XXX—QUOTED UPON REQUEST.

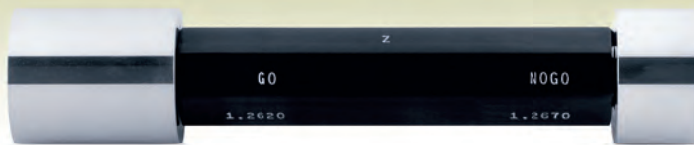
HARD CHROME AND CARBIDE QUOTED UPON REQUEST.

UNILATERAL TOLERANCE FURNISHED UNLESS OTHERWISE SPECIFIED. (GO PLUS NO GO MINUS)

CHROME REVERSIBLE PLUGS UNDER .0350 ARE NOT AVAILABLE.

QUANTITY PRICES APPLY TO IDENTICAL SIZES.

Trilock Plain Plug Gages English or Metric



SIZE RANGE	CLASS	GO MEMBERS PRICE EACH IN QUANTITIES OF			NO GO MEMBERS PRICE EACH IN QUANTITIES OF			HANDLES PRICE / NO.	ONE COMPLETE D. E. GAGE W/HANDLE
FROM – TO		1	2-5	6-12	1	2-5	6-12		
.7601-.947 19.30-24.05MM	XX	152.00	130.00	122.00	134.00	115.00	109.00	16.00 2-1/2	302.00
	X	136.00	117.00	109.00	122.00	104.00	98.00		274.00
	Y	126.00	109.00	102.00	110.00	94.00	90.00		252.00
	Z	123.00	106.00	99.00	102.00	88.00	83.00		241.00
.94701-1.1350 24.0501-28.83MM	XX	157.00	134.00	126.00	136.00	117.00	109.00	16.50 3-1/2	309.50
	X	139.00	118.00	112.00	122.00	104.00	98.00		277.50
	Y	126.00	109.00	102.00	110.00	94.00	90.00		252.50
	Z	123.00	106.00	99.00	102.00	88.00	83.00		241.50
1.1351-1.510 28.8301-38.35MM	XX	160.00	136.00	128.00	139.00	118.00	112.00	17.50 4-1/2	316.50
	X	141.00	120.00	114.00	123.00	106.00	99.00		281.50
	Y	133.00	114.00	107.00	112.00	96.00	90.00		262.50
	Z	125.00	107.00	101.00	106.00	91.00	85.00		248.50
1.5101-2.010 38.3501-51.05MM	XX	248.00	211.00	198.00	218.00	186.00	174.00	19.40 5-1/2	485.40
	X	205.00	174.00	165.00	182.00	155.00	147.00		406.40
	Y	197.00	168.00	158.00	166.00	142.00	134.00		382.40
	Z	192.00	163.00	154.00	165.00	141.00	133.00		376.40
2.0101-2.510 51.0501-63.75MM	XX	288.00	245.00	230.00	250.00	213.00	200.00	19.70 6	557.70
	X	240.00	205.00	192.00	205.00	174.00	165.00		464.70
	Y	222.00	190.00	179.00	189.00	162.00	152.00		430.70
	Z	219.00	187.00	176.00	186.00	158.00	149.00		424.70
2.51001-3.010 63.7501-76.45MM	XX	334.00	285.00	269.00	283.00	242.00	227.00	24.50 7	641.50
	X	283.00	242.00	227.00	235.00	200.00	189.00		542.50
	Y	251.00	214.00	202.00	219.00	187.00	176.00		494.50
	Z	245.00	210.00	197.00	214.00	182.00	173.00		483.50
3.0101-3.510 76.4501-89.15MM	XX	382.00	326.00	307.00	341.00	291.00	274.00	24.50 7 (2 Req.)	772.00
	X	320.00	272.00	256.00	283.00	242.00	227.00		652.00
	Y	294.00	251.00	237.00	253.00	216.00	203.00		596.00
	Z	285.00	243.00	229.00	248.00	211.00	198.00		582.00
3.5101-4.010 89.1501-101.85MM	XX	451.00	384.00	362.00	382.00	326.00	307.00	24.50 7 (2 Req.)	882.00
	X	378.00	322.00	302.00	318.00	272.00	256.00		745.00
	Y	352.00	299.00	282.00	285.00	243.00	229.00		686.00
	Z	341.00	291.00	274.00	282.00	240.00	226.00		672.00

PROGRESSIVE DESIGN ADD PRICE OF GO & NO GO MEMBERS.

CLASS XX—QUOTED UPON REQUEST.

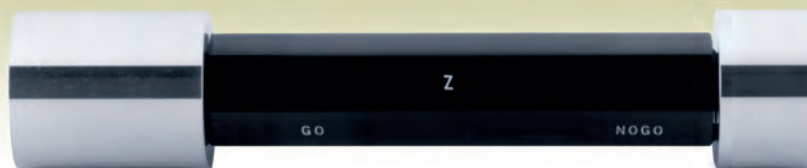
HARD CHROME AND CARBIDE QUOTED UPON REQUEST.

UNILATERAL TOLERANCE FURNISHED UNLESS OTHERWISE SPECIFIED. (GO PLUS NO GO MINUS)

QUANTITY PRICES APPLY TO IDENTICAL SIZES

Trilock Plain Plug Gages

English or Metric



SIZE RANGE	CLASS	GO MEMBERS PRICE EACH IN QUANTITIES OF			NO GO MEMBERS PRICE EACH IN QUANTITIES OF			HANDLES PRICE/NO.	ONE COMPLETE D. E. GAGE W/HANDLE
FROM – TO		1	2-5	6-12	1	2-5	6-12		
4.0101-4.510 101.8501-114.55MM	XX	505.50	430.00	405.00	411.00	350.00	330.00	24.50 7 (2 Req.)	965.50
	X	425.00	363.00	341.00	330.00	282.00	264.00		804.00
	Y	397.00	337.00	318.00	294.00	251.00	237.00		740.00
	Z	389.00	331.00	312.00	288.00	245.00	230.00		726.00
4.5101-5.0100 114.55-127.25MM	XX	568.00	483.00	454.00	445.00	379.00	357.00	24.50 7 (2 Req.)	1062.00
	X	475.00	404.00	381.00	374.00	318.00	301.00		898.00
	Y	438.00	373.00	352.00	331.00	282.00	266.00		818.00
	Z	416.00	353.00	333.00	323.00	275.00	259.00		788.00
5.0101-5.510 127.25-139.95MM	XX	614.00	523.00	493.00	453.00	385.00	363.00	24.50 7 (2 Req.)	1116.00
	X	526.00	448.00	422.00	416.00	353.00	333.00		991.00
	Y	480.00	408.00	384.00	374.00	318.00	301.00		903.00
	Z	467.00	398.50	374.00	358.00	305.00	288.00		874.00
5.5101-6.010 139.95-152.65MM	XX	669.00	569.50	536.00	473.00	403.00	379.00	24.50 7 (2 Req.)	1191.00
	X	565.00	482.00	453.00	433.00	370.00	347.00		1047.00
	Y	510.00	435.00	409.50	406.00	345.00	326.00		965.00
	Z	496.00	422.00	397.00	394.00	336.00	315.00		939.00
6.0101-6.510 152.65-165.35MM	XX	712.00	606.00	569.00	529.00	451.00	424.00	24.50 7 (2 Req.)	1290.00
	X	605.00	515.00	485.00	445.00	379.00	357.00		1099.00
	Y	552.00	470.00	442.00	425.00	363.00	341.00		1026.00
	Z	533.00	454.00	427.00	406.00	349.00	328.00		988.00
6.5101-7.010 165.35-178.05MM	XX	773.00	658.00	619.00	646.00	550.00	518.00	24.50 7 (2 Req.)	1468.00
	X	653.00	555.00	523.00	549.00	467.00	440.00		1251.00
	Y	619.00	526.00	496.00	504.00	429.00	403.00		1172.00
	Z	597.00	509.00	478.00	490.00	418.00	392.00		1136.00
7.0101-7.510 178.05-190.75MM	XX	885.00	754.00	709.00	690.00	587.00	552.00	24.50 7 (2 Req.)	1624.00
	X	794.00	675.00	635.00	624.00	531.00	499.00		1467.00
	Y	752.00	640.00	602.00	565.00	482.00	453.00		1366.00
	Z	729.50	621.00	584.00	547.00	466.00	438.00		1325.50
7.5101-8.010 190.75-203.45MM	XX	1008.00	858.00	806.00	741.00	630.00	594.00	24.50 7 (2 Req.)	1798.00
	X	904.00	769.00	723.00	696.00	592.00	557.00		1649.00
	Y	875.00	744.00	701.00	656.00	558.00	525.00		1580.00
	Z	850.00	723.00	680.00	635.00	541.00	509.00		1534.00

PROGRESSIVE DESIGN ADD PRICE OF GO & NO GO MEMBERS.

CLASS XXX—QUOTED UPON REQUEST.

HARD CHROME AND CARBIDE QUOTED UPON REQUEST.

UNILATERAL TOLERANCE FURNISHED UNLESS OTHERWISE SPECIFIED. (GO & NO GO MINUS)

QUANTITY PRICES APPLY TO IDENTICAL SIZES

Master and Plain Ring Gages English or Metric



SIZE RANGE		CLASS XX IN QUANTITIES OF			CLASS X IN QUANTITIES OF			CLASS Y IN QUANTITIES OF			CLASS Z IN QUANTITIES OF		
FROM – TO													
INCHES	MILLIMETERS	1	2	3-5	1	2	3-5	1	2	3-5	1	2	3-5
.062-.1000	1.91-2.54	264.00	225.50	211.00	225.50	192.00	181.00	211.00	181.00	170.00	201.50	173.00	162.00
.1001-.1250	2.54-3.15	264.00	225.50	211.00	225.50	192.00	181.00	211.00	181.00	170.00	201.50	173.00	162.00
.1251-.1500	3.15-3.81	264.00	225.50	211.00	225.50	192.00	181.00	211.00	181.00	170.00	201.50	173.00	162.00
.1501-.1850	3.81-4.70	206.00	176.00	166.50	190.50	112.00	168.00	200.00	171.00	160.00	190.00	163.00	153.00
.1851-.2400	4.70-6.10	206.00	176.00	166.50	190.50	112.00	168.00	200.00	171.00	160.00	190.00	163.00	153.00
.2401-.3650	6.10-9.27	179.00	154.00	144.00	160.00	136.00	128.00	152.00	130.00	121.50	137.50	118.00	110.00
.3651-.5100	9.27-12.95	184.00	157.00	147.00	165.00	141.00	133.00	158.00	136.00	128.00	142.00	122.00	115.00
.5101-.8250	12.95-20.96	189.00	162.00	152.00	177.50	152.00	142.00	160.00	136.00	128.00	141.00	120.00	113.00
.8251-1.135	20.96-28.83	211.00	181.00	169.50	185.50	158.00	149.00	179.00	153.50	144.00	161.00	138.00	130.00
1.1351-1.5100	28.83-38.35	238.00	203.00	192.00	206.00	176.00	166.50	192.00	163.00	153.50	181.00	155.00	145.00
1.5101-2.0100	38.35-51.05	291.00	248.00	234.00	267.00	227.00	214.00	248.00	211.00	198.00	230.00	197.00	186.00
2.0101-2.5100	51.05-63.75	361.50	309.00	290.00	317.00	270.00	254.00	293.00	249.50	235.00	272.00	232.00	218.00
2.5101-3.0100	63.75-76.45	411.00	350.00	229.50	365.00	310.50	293.00	331.00	281.50	265.50	326.00	278.00	262.00
3.0101-3.5100	76.45-89.15	489.50	418.00	392.00	425.50	363.00	341.00	387.00	329.50	310.00	368.00	313.50	294.00
3.5101-4.0100	89.15-101.85	565.00	482.00	453.00	486.00	414.50	390.00	448.00	381.00	358.50	432.00	368.00	345.00
4.0101-4.7600	101.85-120.95	649.50	554.00	520.00	569.00	485.00	456.00	515.00	438.00	413.00	489.50	417.50	392.00
4.7601-5.5100	120.95-139.95	822.00	699.00	659.00	723.00	616.00	579.00	649.50	553.50	520.00	621.00	528.00	498.00
5.5101-6.0000	139.95-152.40	934.00	795.00	749.00	822.00	699.00	659.00	744.00	633.50	595.00	725.00	618.00	581.00

ALL RINGS MADE TO AGD SPECIFICATIONS.

HARD CHROME AND CARBIDE QUOTED UPON REQUEST.

PLAIN RINGS—GO TOLERANCE MINUS NO GO TOLERANCE PLUS.

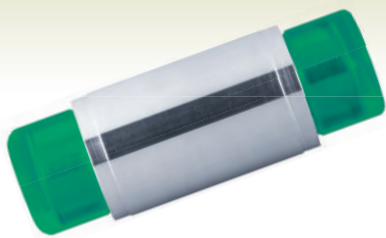
MASTER RINGS—MADE TO BILATERAL TOLERANCE (50% PLUS 50% MINUS).

PRICES OVER 6.0000 ON REQUEST.

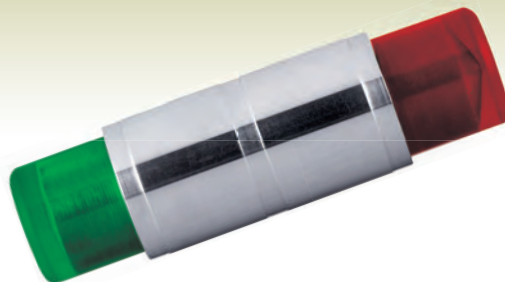
NOTE: CHROME RING UNDER .125 NOT AVAILABLE

CLASS XXX—QUOTED UPON REQUEST.

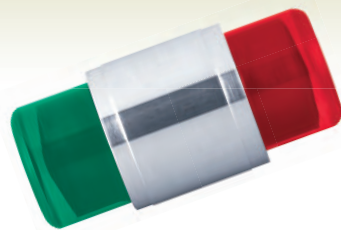
Master Setting Discs



STYLE NO. 1



STYLE NO. 2



STYLE NO. 3

SIZE RANGE		PRICE EACH					
FROM – TO		STYLE NO. 1			STYLE NO. 3		
INCHES	MILLIMETERS	CLASS XX	CLASS X	CLASS Y	CLASS XX	CLASS X	CLASS Y
.2401-.365	6.1001-9.27	189.00	180.00	170.00	164.00	150.00	127.00
.3651-.510	9.2701-12.95	191.00	182.00	174.00	168.00	152.00	131.00
.5101-.825	12.9501-20.96	194.00	185.00	177.00	170.00	155.00	134.00
.8251-1.135	20.9601-28.83	206.00	188.00	180.00	186.00	158.00	149.00
1.1351-1.510	28.8301-38.35	233.00	204.00	189.00	197.00	167.00	152.00
1.5101-2.010	38.3501-51.05	265.00	221.00	209.00	232.00	197.00	182.00
2.0101-2.510	51.0501-63.75	306.00	254.00	237.00	267.00	221.00	204.00
2.5101-3.010	63.7501-76.45	352.00	299.00	269.00	299.00	248.00	233.00
3.0101-3.510	76.4501-89.15	400.00	335.00	312.00	357.00	298.00	271.00
3.5101-4.010	89.1501-101.85	466.00	397.00	369.00	400.00	334.00	302.00
4.0101-4.510	101.8501-114.55	529.00	447.00	417.00	433.00	349.00	315.00
4.5101-5.010	114.5501-127.25	590.00	496.00	438.00	465.00	396.00	352.00

Style No. 2 Quoted Upon Request

ALL TOLERANCES ARE BILATERAL (50% PLUS 50% MINUS) EXCEPT NO. 2

HARD CHROME AND CARBIDE QUOTED UPON REQUEST.

CLASS XXX—QUOTED UPON REQUEST.

Specifications and Gaging Lengths Cylindrical Steel Plug Gages



Taper Lock Design .125 — 1.510

HANDLE SIZE	SIZE RANGE		SIZE RANGE		LENGTH HANDLE	LENGTH OVERALL	SIZE HEX
	ABOVE	TO AND INCL.	GO	NO GO			
00	.125	.150	3/8"	7/32"	1-3/4"	2-25/32"	1/4"
0	.150	.230	13/32"	9/32"	2"	3-3/16"	5/16"
1	.230	.365	3/4"	5/16"	2-3/4"	4-5/16"	3/8"
2	.365	.510	1"	3/8"	3"	4-7/8"	1/2"
3	.510	.825	1-1/4"	1/2"	3-1/4"	5-1/2"	11/16"
4	.825	1.135	1-1/2"	5/8"	3-5/8"	6-3/8"	7/8"
5	1.135	1.510	1-5/8"	3/4"	4"	7-1/8"	1"



Trilock Design Single or Double End .760 — 8.010

HANDLE SIZE	SIZE RANGE		GAGING LENGTH		LENGTH HANDLE	SIZE HEX
	ABOVE	TO AND INCL.	GO	NO GO		
2-1/2	.760	.947	1-1/4"	3/4"	4"	1/2"
3-1/2	.947	1.135	1-3/8"	3/4"	4"	5/8"
4-1/2	1.135	1.510	1-1/2"	3/4"	4"	13/16"
5-1/2	1.510	2.010	1-7/8"	7/8"	4-1/2"	1"
6	2.010	2.510	2"	7/8"	5"	1-1/8"
7	2.510	3.510	2"	1"	6"	1-1/4"
7	3.510	8.010	2-1/8"	1"	6"	1-1/4"



Progressive Design .125 — 4.510

HANDLE SIZE	SIZE RANGE		GAGING LENGTH		LENGTH HANDLE	LENGTH OVERALL	SIZE HEX
	ABOVE	TO AND INCL.	GO	NO GO			
00	.125	.150	3/8"	7/32"	1-3/4"	2-23/32"	1/4"
0	.150	.230	13/32"	9/32"	2"	3-1/16"	5/16"
1	.230	.365	3/4"	5/16"	2-3/4"	4-1/16"	3/8"
2	.365	.510	1"	3/8"	3"	4-5/8"	1/2"
3	.510	.825	1-1/4"	1/2"	3-1/4"	5-1/4"	11/16"
4	.825	1.135	1-3/8"	5/8"	3-5/8"	5-15/16"	7/8"
5	1.135	1.510	1-5/8"	3/4"	4"	6-5/8"	1"
6	*1.510	2.010	1-7/8"	7/8"	5"	7-7/8"	1-1/8"
6	2.010	2.510	2"	7/8"	5"	8"	1-1/8"
7	2.510	3.510	2"	1"	6"	9-1/8"	1-1/4"
7	3.510	4.510	2-1/8"	1"	6"	9-1/4"	1-1/4"

* OVER 1.510 TRILOCK DESIGN

Gagemakers Tolerances



NOMINAL SIZE		TOLERANCES			
ABOVE	TO AND INCLUDING	XX	X	Y	Z
.029— .740 mm	.825 20.96 mm	.00002 .00051 mm	.00004 .00102 mm	.00007 .00178 mm	.00010 .00254 mm
.825— 20.96 mm	1.510 38.35 mm	.00003 .00076 mm	.00006 .00152 mm	.00009 .00229 mm	.00012 .00305 mm
1.510— 38.35 mm	2.510 63.75 mm	.00004 .00102 mm	.00008 .00203 mm	.00012 .00305 mm	.00016 .00406 mm
2.510— 63.75 mm	4.510 114.55 mm	.00005 .00127 mm	.00010 .00254 mm	.00015 .00381 mm	.00020 .00508 mm
4.510— 114.55 mm	6.510 165.35 mm	.000065 .00165 mm	.00013 .00330 mm	.00019 .00483 mm	.00025 .00635 mm
6.510— 165.35 mm	9.010 228.85 mm	.00008 .00203 mm	.00016 .00406 mm	.00024 .00610 mm	.00032 .00813 mm
9.010— 228.85 mm	12.010 305.05 mm	.00010 .00254 mm	.00020 .00508 mm	.00030 .00762 mm	.00040 .01016 mm

How to Order Cylindrical Plug and Ring Gages

1. Quantity and Whether Go or No Go Member
2. Exact Diameter of Member
3. Z, Y, X, XX Tolerance
4. Type Material Required — Steel — Hard Chrome — Carbide
5. Type of Gage: Reversible — Taperlock — Trilock — Progressive Ring — Master Setting Disc
6. Whether Handles are Required if Plug
7. Marking Instructions

Direction of Tolerance:

- ▶ The following will apply to all gages unless otherwise specified:
- ▶ GO Cylindrical Plug gages — Plus tolerance (+)
- ▶ NO GO Cylindrical Plug gages — Minus tolerance (–)
- ▶ Master Cylindrical Plug gages — Bilateral tolerance ($\pm$)
- ▶ GO Cylindrical Ring gages — Minus tolerance (–)
- ▶ NO GO Cylindrical Ring gages — Plus tolerance (+)
- ▶ Master Cylindrical Ring gages — Bilateral tolerance ($\pm$)

A rule of thumb regarding tolerances on gages is to use 10% of the total manufacturing tolerance of piece part for gages, with 1/2 of the 10% to be applied against the GO and 1/2 of 10% to be applied on the NO GO.

Example #1

Part Size = .250 + .002/–.000
 GO = .250 NO GO = .252
 Total Manufacturing Tolerance = .002
 10% of .002 = .0002
 1/2 of .0002 = .0001
 Class Z Recommended

Example #2

Part Size = .250 + .0005/–.0000
 GO = .250 NO GO = .2505
 Total Manufacturing Tolerance = .0005
 10% of .0005 = .00005
 1/2 of .00005 = .000025
 Class XX Recommended



Exceptional Service Guarantee

Gage Assembly's U.S. and Canadian distributor network counts on Gage Assembly to provide industry with the highest quality and the best value in thread gages available today. Experienced in-house sales and engineering support assistance exceed customer expectations and satisfaction.



GAGE ASSEMBLY

Manufacturers of Precision Gages

3771 W. Morse Avenue • Lincolnwood, Illinois 60712

PHONE: **847.679.5180** FAX: **847.679.5190**

SALES & CUSTOMER SERVICE: **1.800.232.4243**

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