

PRODUCTS ENGINEERING CORPORATION

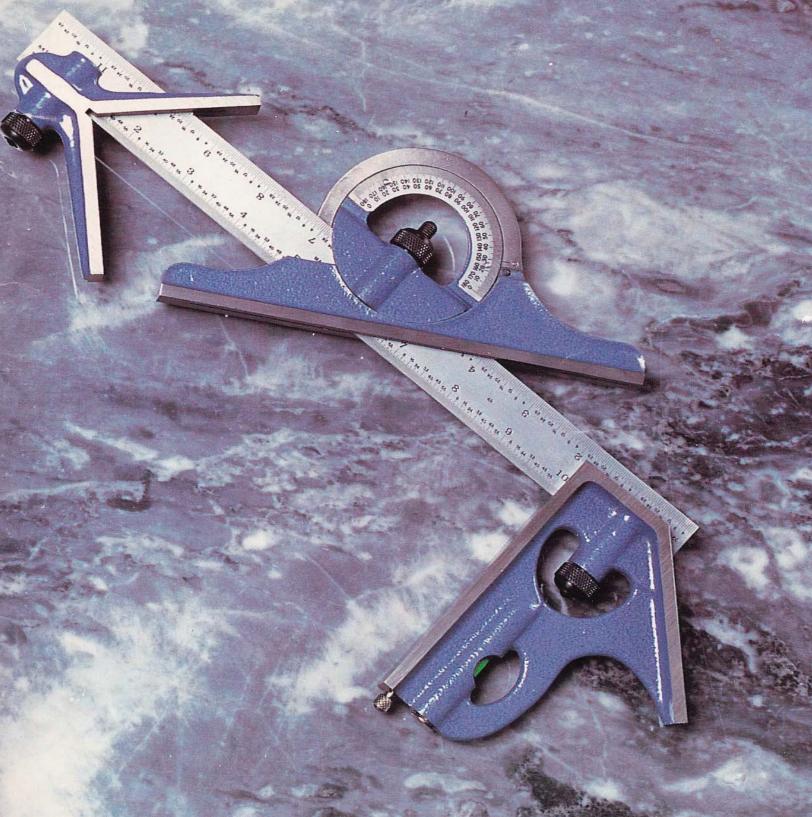




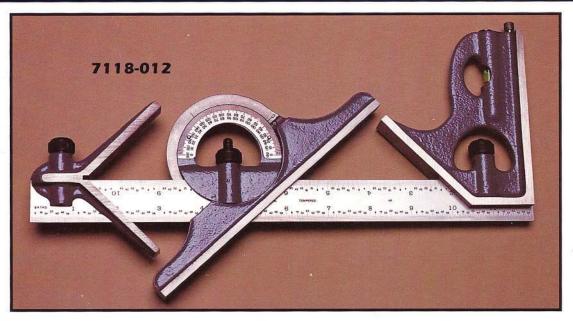
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COMBINATION SQUARES





- □ All Blades Fully Hardened and Tempered
- ☐ Durable, Easy to Read Satin Chrome Finished Blades
- ☐ High Contrast, Micro-Fine Blade Graduations
- □ Reversible (Full-Body) Protractor Head with Hardened Sets
 □ Protractor Scale Graduated from 0-180° in Both Directions
- ☐ Heads Supplied with a Hammertone Powder-Coat Finish...The Ultimate
- ☐ Square/Miter Head Features Level Vial & Hardened Scribe Tool

4-PIECE SET INCLUDES:

Machinist's Blade, Square/Miter Head, Protractor and Center Head

☐ CAST IRON COMBINATION SQUARE SETS

PART NUMBER	BLADE LENGTH	PROTRACTOR STYLE	BLADE STYLE
7116-012	12"	non-reversible	16R
7116-018	18"	non-reversible	16R
7116-024	24"	non-reversible	16R
7118-012	12"	non-reversible	4R
7118-018	18"	non-reversible	4R
7118-024	24"	non-reversible	4R
7127-012	12"	non-reversible	E/M
7127-018	18"	non-reversible	E/M
7127-024	24"	non-reversible	E/M
7128-300	300mm	non-reversible	Metric
7128-450	450mm	non-reversible	Metric
7128-600	600mm	non-reversible	Metric

☐ HARDENED COMBINATION SQUARE SETS

7116-012-H	12"	reversible	16R
7116-018-H	18"	reversible	16R
7116-024-H	24"	reversible	16R
7118-012-H	12"	reversible	4R
7118-018-H	18"	reversible	4R
7118-024-H	24"	reversible	4R
7127-012-H	12"	reversible	E/M
7127-018-H	18"	reversible	E/M
7127-024-H	24"	reversible	E/M
7128-300-H	300mm	reversible	Metric
7128-450-H	450mm	reversible	Metric
7128-600-H	600mm	reversible	Metric

☐ GRADUATION STYLES:

4R: 8ths & 16ths, 32nds & 64ths 16R: 32nds & 64ths, 50ths & 100ths Metric: mm & 0.5mm both sides English/Metric: 0.5mm & 32nds, mm & 64ths



COMBINATION SQUARES



3-PIECE SET INCLUDES:

Machinist's Blade, Square/Miter Head and Center Head

☐ CAST IRON COMBINATION SQUARE SETS

☐ GRADUATION STYLES:

4R: 8ths & 16ths, 32nds & 64ths **16R:** 32nds & 64ths, 50ths &100ths **Metric:** mm & 0.5mm both sides **English/Metric:** 0.5mm & 32nds,

mm & 64ths

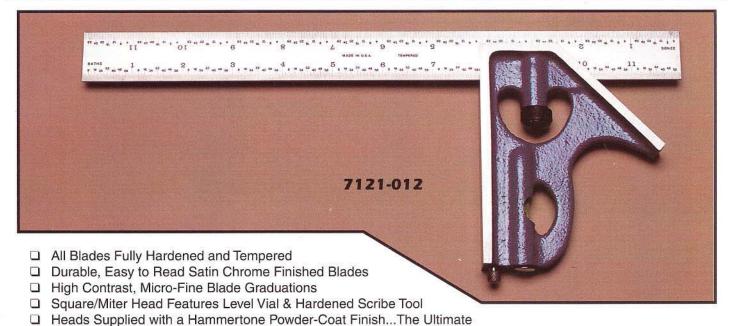
PART NUMBER	BLADE LENGTH	BLADE STYLE
7142-012	12"	16R
7142-018	18"	16R
7142-024	24"	16R
7122-012	12"	4R
7122-018	18"	4R
7122-024	24"	4R
7124-012	12"	E/M
7124-018	18"	E/M
7124-024	24"	E/M
7125-300	300mm	Metric
7125-450	450mm	Metric
7125-600	600mm	Metric
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☐ HARDENED COMBINATION SQUARE SETS

7142-012-H	12"	16R
7142-018-H	18"	16R
7142-024-H	24"	16R
7122-012-H	12"	4R
7122-018-H	18"	4R
7122-024-H	24"	4R
7124-012-H	12"	E/M
7124-018-H	18"	E/M
7124-024-H	24"	E/M
7125-300-H	300mm	Metric
7125-450-H	450mm	Metric
7125-600-H	600mm	Metric

COMBINATION SQUARES





2-PIECE SET INCLUDES:

Machinist's Blade and Square/Miter Head

☐ CAST IRON COMBINATION SQUARE SETS

☐ GRADUATION STYLES:

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mm & 64ths

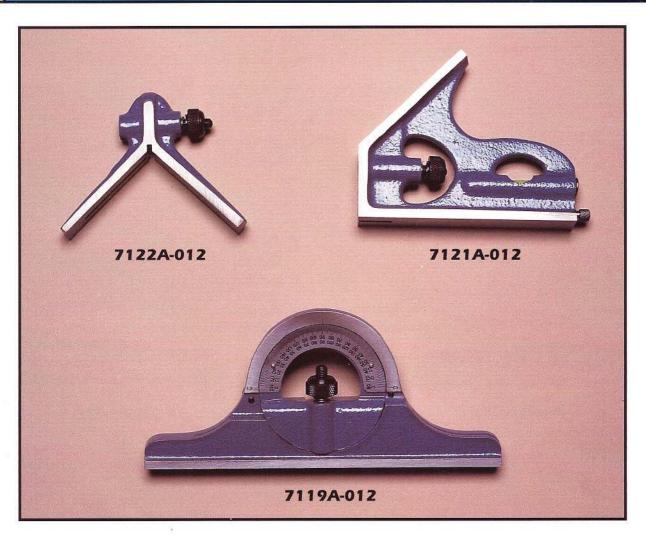
PART NUMBER	BLADE LENGTH	BLADE STYLE
7141-012	12"	16R
7141-018	18"	16R
7141-024	24"	16R
7121-012	12"	4R
7121-018	18"	4R
7121-024	24"	4R
7144-012	12"	E/M
7144-018	18"	E/M
7144-024	24"	E/M
7145-300	300mm	Metric
7145-450	450mm	Metric
7145-600	600mm	Metric

☐ HARDENED COMBINATION SQUARE SETS

7141-012-H	12"	16R
7141-018-H	18"	16R
7141-024-H	24"	16R
7121-012-H	12"	4R
7121-018-H	18"	4R
7121-024-H	24"	4R
7144-012-H	12"	E/M
7144-018-H	18"	E/M
7144-024-H	24"	E/M
7145-300-H	300mm	Metric
7145-450-H	450mm	Metric
7145-600-H	600mm	Metric



SQUARE COMPONENTS



☐ CAST IRON SQUARE COMPONENTS

PART NUMBER	SIZE	DESCRIPTION	
7121A-006	6"	Square Head	
7121A-012	12"	Square Head	
7122A-006	6"	Center Head	
7122A-012	12"	Center Head	
7118A-012	12"	Non-Reversible Protractor Head	
7119A-012	12"	Reversible Protractor Head	

☐ HARDENED SQUARE COMPONENTS

PART NUMBER	SIZE	DESCRIPTION
7121A-006-H	6"	Square Head
7121A-012-H	12"	Square Head
7122A-006-H	6"	Center Head
7122A-012-H	12"	Center Head

COMBINATION SQUARE BLADES



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- ☐ Made from the Finest Quality Steel Available
- ☐ All Blades Fully Hardened and Tempered
- ☐ Precisely Etched, then Black Filled for Readability
- ☐ Any Graduations Available by Special Order
- ☐ Satin Chrome Finish

☐ GRADUATION STYLES:

4R: 8ths & 16ths, 32nds & 64ths **16R:** 32nds & 64ths, 50ths & 100ths **Metric:** mm & 0.5mm both sides

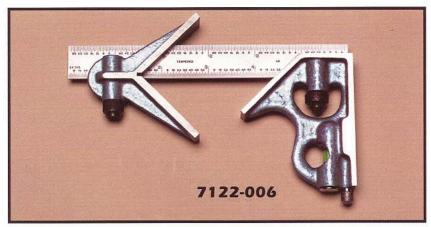
English/Metric: 0.5mm & 32nds, mm & 64ths

☐ COMBINATION SQUARE BLADES

PART NO.	SIZE	GRADUATIONS	THICKNESS	WIDTH
7181-004	4"	4R (8ths, 16ths, 32nds, 64ths)	5/64"	3/4"
7181-006	6"	4R (8ths, 16ths, 32nds, 64ths)	5/64"	3/4"
7185-012	12"	4R (8ths, 16ths, 32nds, 64ths)	3/32"	1"
7185-018	18"	4R (8ths, 16ths, 32nds, 64ths)	3/32"	1"
7191-024	24"	4R (8ths, 16ths, 32nds, 64ths)	3/32"	1"
7182-004	4"	16R (32nds, 64ths, 50ths, 100ths)	5/64"	3/4"
7182-006	6"	16R (32nds, 64ths, 50ths, 100ths)	5/64"	3/4"
7186-012	12"	16R (32nds, 64ths, 50ths, 100ths)	3/32"	1"
7186-018	18"	16R (32nds, 64ths, 50ths, 100ths)	3/32"	1"
7192-024	24"	16R (32nds, 64ths, 50ths, 100ths)	3/32"	1"
7195-012	12"	5R (32nds, 64ths, 10ths, 100ths)	3/32"	1"
7195-018	18"	5R (32nds, 64ths, 10ths, 100ths)		1"
7183-004	4"	E/M (0.5mm, 32nds, mm, 64ths)	5/64"	3/4"
7183-006	6"	E/M (0.5mm, 32nds, mm, 64ths)	5/64"	3/4"
7187-012	12"	E/M (0.5mm, 32nds, mm, 64ths)	3/32"	1"
7187-018	18"	E/M (0.5mm, 32nds, mm, 64ths)	3/32"	1"
7187-024	24"	E/M (0.5mm, 32nds, mm, 64ths)	3/32"	1"
7184-100	100mm	Metric (mm, 0.5mm, mm, 0.5mm)	5/64"	3/4"
7184-150	150mm	Metric (mm, 0.5mm, mm, 0.5mm)	5/64"	3/4"
7188-300	300mm	Metric (mm, 0.5mm, mm, 0.5mm)	3/32"	1"
7188-450	450mm	Metric (mm, 0.5mm, mm, 0.5mm)	3/32"	1"
7188-600	600mm	Metric (mm, 0.5mm, mm, 0.5mm)	3/32"	1"



6" COMBINATION SQUARES



- □ All Blades Fully Hardened and Tempered
- ☐ Durable, Easy to Read Satin Chrome Finished Blades
- ☐ High Contrast, Micro-Fine Blade Graduations
- ☐ Square/Miter Head Features Level Vial & Hardened Scribe Tool
- ☐ Heads Supplied with a Hammertone Powder-Coat Finish...The Ultimate

☐ GRADUATION STYLES:

4R: 8ths & 16ths, 32nds & 64ths 16R: 32nds & 64ths, 50ths & 100ths Metric: mm & 0.5mm both sides English/Metric: 0.5mm & 32nds, mm & 64ths

3-PIECE SET INCLUDES:

Machinist's Blade, Square/Miter Head and Center Head

☐ CAST IRON COMBINATION SQUARE SETS

PART NUMBER	BLADE LENGTH	BLADE STYLE
7122-006	6"	4R
7142-006	6"	16R
7124-006	6"	E/M
7125-150	150mm	Metric

☐ HARDENED COMBINATION SQUARE SETS

7122-006-H	6"	4R
7142-006-H	6"	16R
7124-006-H	6"	E/M
7125-150-H	150mm	Metric

2-PIECE SET INCLUDES:

Machinist's Blade and Square/Miter Head

□ CAST IRON COMBINATION SQUARE SETS

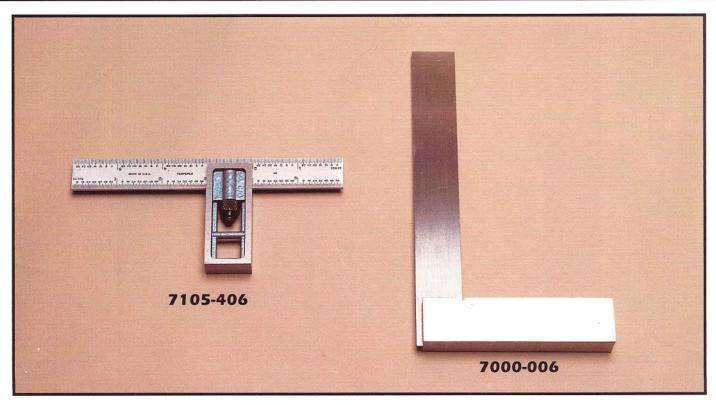
7121-006	6"	4R
7141-006	6"	16R
7144-006	6"	E/M
7145-150	150mm	Metric

☐ HARDENED COMBINATION SQUARE SETS

7121-006-H	6"	4R
7141-006-H	6"	16R
7144-006-H	6"	E/M
7145-150-H	150mm	Metric

DOUBLE & SOLID SQUARES





☐ GRADUATION STYLES:

4R: 8ths & 16ths, 32nds & 64ths **16R:** 32nds & 64ths, 50ths & 100ths **Metric:** mm & 0.5mm both sides

English/Metric: 0.5mm & 32nds, mm & 64ths

☐ DOUBLE SQUARES

- ☐ Ideal for Precision Layout Work
- ☐ Used Either as a Parallel or Double Square
- □ All Blades Fully Hardened and Tempered
- ☐ High Contrast, Micro-Fine Blade Graduations
- Durable, Easy to Read Satin Chrome Finished Blades

PART NUMBER	BLADE LENGTH	BLADE STYLE
7104-404	4"	4R
7104-164	4"	16R
7104-264	4"	E/M
7104-754	100mm	Metric
7105-406	6"	4R
7105-166	6"	16R
7105-266	6"	E/M
7105-756	150mm	Metric

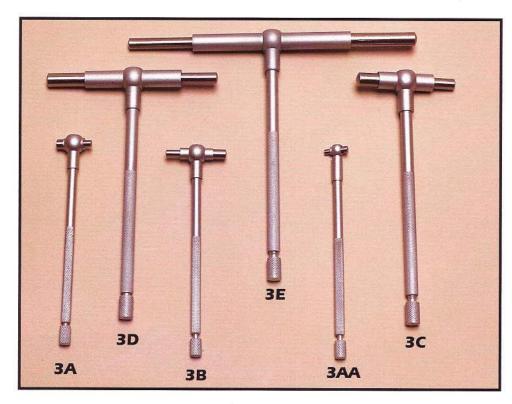
☐ SOLID SQUARES

- ☐ Made from High Quality Tool Steel
- ☐ Have True Right Angles Inside and Outside
- □ Beams and Blades are Precision Ground
- ☐ Blade is Hardened
- ☐ Length of Blade is Measured from Inner Edge of Beam to End of Blade

PART NUMBER	BLADE LENGTH	BEAM LENGTH
7000-002	2"	1-1/2"
7000-003	3"	2-1/2"
7000-004	4"	3"
7000-006	6"	4"
7000-009	9"	6"
7000-012	12"	8"
7000-018	18"	10"
7000-024	24"	12"



TELESCOPE GAGES



- ☐ Measures the True Sizes of Holes, Slots and Recesses from 5/16" 6"
- ☐ Contact Plungers Automatically Self-Center at All Times and in All Positions
- ☐ Plungers are Locked in Any Desired Setting
- ☐ Locking Mechanism Consists of a Knurled Screw at the End of the Handle
- ☐ Available as Individual Gages or in Sets
- ☐ Satin Chrome Finish
- Contact Ends are Hardened and Radius Ground Providing Clearance for Insertion into the Smallest Hole the Gage will Enter

☐ TELESCOPE GAGES, INDIVIDUAL

PART NUMBER	RANGE
3 AA	5/16" to 1/2"
3 A	1/2" to 3/4"
3 B	3/4" to 1-1/4"
3 C	1-1/4" to 2-1/8"
3 D	2-1/8" to 3-1/2"
3 E	3-1/2" to 6"



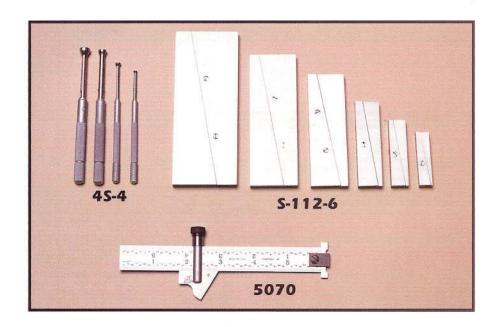
☐ TELESCOPE GAGES, SETS*

PART NUMBER	DESCRIPTION	
3S-6	Complete set of all six sizes	
3S-5	Set of five gages, including sizes 3A through 3E	
3S-4	Set of four gages, including sizes 3AA through 3C	

^{*} All sets supplied in vinyl pouch

ADJUSTABLE PARALLELS - GAGES





☐ SMALL HOLE GAGES

- ☐ Size Adjustment by Knurled Knob
- ☐ Gaging Surface is Fully Hardened
- ☐ Satin Chrome Finish
- ☐ Extra Long for Gaging Deep Holes and Slots
- □ Set Supplied in Fitted Case
- ☐ Final Size is Obtained by Measuring Over the Contact Points with a Micrometer

PART NUMBER	CAPACITY	
4S-4	4 Pc Set	Sizes A-D
4S-4FB	4 Pc Set	A-D Full Ball
4S-5	5 Pc Set	Sizes A-E
4A	Size A	.125"200"
4B	Size B	.200"300"
4C	Size C	.300"400"
4D	Size D	.400"500"
4E	Size E	.500"625"

□ ADJUSTABLE PARALLELS

- Consists of Two Precision Ground Pieces which Slide Smoothly on Each Other
- □ Locked into Position by Set Screws
- ☐ Can Be Quickly Inserted into Openings and Expanded to Exact Size, then Measured with a Micrometer

PART NUMBER	CAPACITY	
S-112-4	4 Pc Set	3/8" - 1-5/16"
S-112-6	6 Pc Set	3/8" - 2-1/4"
112-A	3/8" - 1/2"	
112-B	1/2" - 11/1	6"
112-C	11/16" - 15	5/16"
112-D	15/16" - 1-	5/16"
112-E	1-5/16" - 1	-3/4"
112-F	1-3/4" - 2-	1/4"

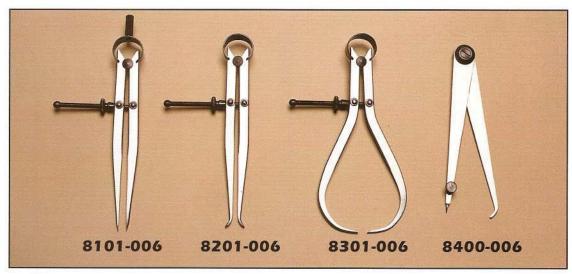
☐ DRILL POINT GAGE

- □ For Measuring Properly Ground 59° Drill Tips
- ☐ Rule and Slide Made of Steel
- □ Satin Chrome Finish
- ☐ Slide is Graduated in 32nds
- ☐ End Clip is Adjustable and Removable
- ☐ Versatile Can be Used as Rule, Hook Rule, Try Square, Depth Gage or Caliper, and for Layout

PART NUMBER	RULE GRADUATIONS	
5070	8ths, 16ths, 32nds, 64ths	

PEC.

DIVIDERS & CALIPERS



- ☐ Styles Include Solid Nut or Quick Nut
- ☐ Easy Adjustment Over Entire Range
- ☐ Centrally Located Adjustment Screw
- ☐ Balanced Legs, Uniform Tension

QUICK NUT

PART NUMBER

8101-003 8101-004 8101-006

8101-008

8101-010

8101-012

Polished Natural Steel Finish

SIZE

8"

10"

12"

☐ SPRING DIVIDERS

SOLID NUT

SIZE	PART NUMBER
3"	8100-003
4"	8100-004
6"	8100-006
8"	8100-008
10"	8100-010
12"	8100-012

	INSIDE	CALIPERS	SOLID	NUT
-			JULIU	1401

SIZE	PART NUMBER
3"	8200-003
4"	8200-004
6"	8200-006
8"	8200-008
10"	8200-010
12"	8200-012

T NI IMPED

SIZE	PART NUMBER
3"	8201-003
4"	8201-004
6"	8201-006
8"	8201-008
10"	8201-010
12"	8201-012

QUICK NUT

☐ OUTSIDE CALIPERS SOI

SOLID NUT

SIZE	PART NUMBER
3"	8300-003
4"	8300-004
6"	8300-006
8"	8300-008
10"	8300-010
12"	8300-012

QUICK NUT

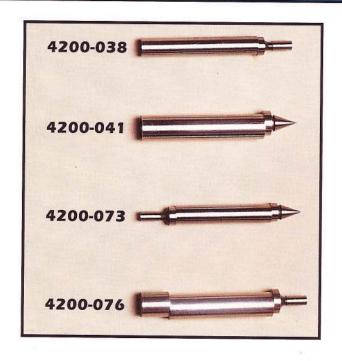
SIZE	PART NUMBER
3"	8301-003
4"	8301-004
6"	8301-006
8"	8301-008
10"	8301-010
12"	8301-012

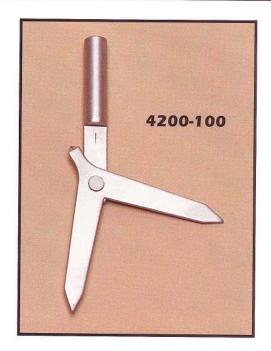
☐ HERMAPHRODITE CALIPERS

SIZE	PART NUMBER			
4"	8400-004			
6"	8400-006			

EDGE & CENTER FINDERS







☐ EDGE FINDERS

- ☐ Made from Precision Ground Tool Steel
- ☐ Hardened and Ground
- Accurately Locates Starting Point for All Types of Machine Work and Jig Boring

PART NUMBER	SIZE	
4200-038	3/8" x .200" tip	
4200-039	1/2" x .200" tip	
4200-077	1/2" x .500" tip	
4200-080	10mm x 10mm	
4200-081	3/8" x 10mm tip	

☐ CENTER FINDERS

- ☐ Made from Precision Ground Tool Steel
- □ Hardened and Ground
- Accurately Determines Centers

PART NUMBER	SIZE
4200-040	3/8" x .375" tip
4200-041	1/2" x .500" tip

SIZE

3/8" x .200" tip

1/2" x .200" tip

PART NUMBER

4200-073

4200-074

☐ COMBINATION EDGE AND CENTER FINDERS

- ☐ Made from Precision Ground Tool Steel
- Hardened and Ground
- Accurately Locates Edges and Determines Centers
- One End has Point for Center Finding
- One End has .200" Diameter for Shoulder and Slot Work

☐ DOUBLE END FINDER

- ☐ Made from Precision Ground Tool Steel
- ☐ Hardened and Ground
- □ Accurately Locates Round or Flat Work

SIZE	
1/2" x .200" tip	

☐ CENTER FINDER

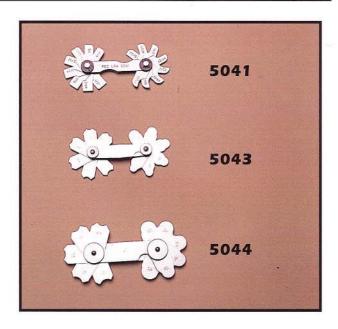
- □ Accurately and Quickly Locates Center on Round Workpieces
- ☐ Satin Chrome Finish
- ☐ Place Tool in Drill Chuck or Collet and Line Up Pointer with Line Scribed on Shaft

PART NUMBER	STYLE
4200-100	Center Finder

PEC

RADIUS GAGES





☐ RADIUS GAGE SETS

- ☐ Made from the Finest Quality Steel Available
- ☐ Satin Chrome Finish
- ☐ Each Gage Marked with Size
- ☐ Each Gage has 5 Measuring Surfaces for Convex and Concave Radii

NUMBER	DESCRIPTION	RANGE	INCREMENTS	HOLDER
5041-008	8 Blade Inch Gage Set	9/16" to 1"	16ths	Included
5041-009	8 Blade Inch Gage Set	1-1/16" to 1-1/2"	16ths	Not Included
5041-010	8 Blade Inch Gage Set	1-9/16" to 2"	16ths	Not Included
5041-025	25 Blade Inch Gage Set	1/64" to 17/64" 9/32" to 1/2"	64ths 32nds	Included
5041-026	26 Blade Metric Gage Set	0.5mm to 13mm	0.5mm	Included
5041-D10	10 Blade Inch Gage Set	.550" to 1.00"	.050"	Not Included
5041-D26	25 Blade Inch Gage Set	.010" to .100" .120" to .220" .240" to .500"	.050" .020" .050"	Included

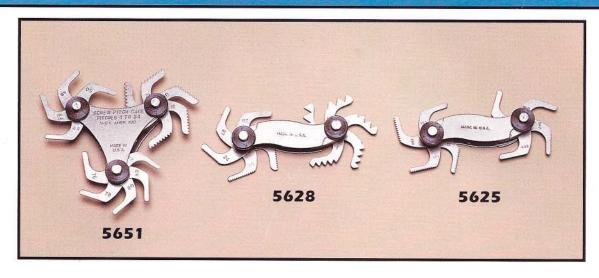
☐ RADIUS OR FILLET GAGES

- ☐ Used for Measuring Concave and Convex Surfaces
- ☐ Each Blade Clearly Marked with Radius Size
- □ Blades Protected in Sturdy Steel Case
- ☐ Locking Device at Each End to Secure All Blades for Storage or Position an Individual Blade for Use
- ☐ Concave and Convex Surfaces may be Measured with the External and Internal Radius on Each Leaf

NUMBER	LEAVES	RANGE	INCREMENTS
5041	16	1/32" to 17/64"	64ths
5042	16	9/32" to 33/64"	64ths
5043	30	1/32" to 1/4"	64ths
5044	32	17/64" to 1/2"	64ths

SCREW PITCH GAGES





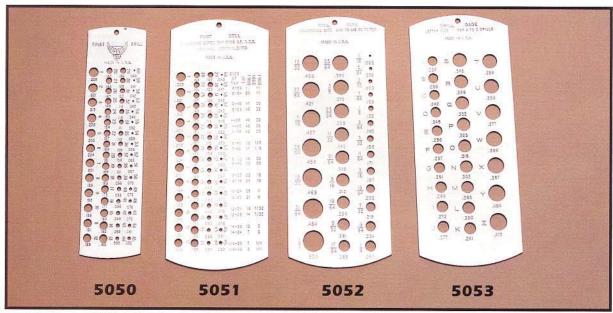
- ☐ Narrow Designed Blades Permit Use for Internal and External Screw Threads
- ☐ Locking Device at Each End to Secure All Blades for Storage or Position an Individual Blade for Use
- ☐ Correct Pitch is Determined by Matching Blade Teeth with Threads
- ☐ Each Blade Clearly Marked with Proper Thread Size
- ☐ Sets are Available in Wide Range of Sizes and Blade Combinations
- ☐ Blades Protected in Sturdy Steel Case
- ☐ Any Combination of Blades is Available by Special Order

☐ SCREW PITCH GAGES

PART NUMBER	ТҮРЕ	NO. OF BLADES	NO. OF GROUPS	BLADES INCLUDED
5651	English Gage	51	3	1. 4,4-1/2,5,5-1/2,6,7,8,9,10,11,11-1/2,12,13,14,15,16,18 inch 2. 20,22,24,26,27,28,30,32,34,36,38,40,42,44,46,48,50 inch 3. 52,54,56,58,60,62,64,66,68,70,72,74,76,78,80,82,84 inch
5622	English Gage	22	2	1. 9,10,11,11-1/2,12,13,14,15,16,18,20 inch 2. 22,24,26,27,28,30,32,34,36,38,40 inch
5628	English Gage	28	2	1. 4,4-1/2,5,6,7,8,9,10,11,11-1/2,12,13,14,16 inch 2. 18,20,24,27,28,32,36,40,44,48,56,64,72,80 inch
5617	Metric Gage	18	2	1. 0.50, 0.75, 1.00, 1.23, 1.50, 1.75, 2.00, 2.50, 3.00 mm 2. 3.50, 4.00, 4.50, 5.00, 5.50, 6.00, 6.50, 7.00 mm center gage with coarse and fine notch included
5629	English / Metric	28	2	1. 4,6,8,10,11,11-1/2,12,13,16,20,28,32,40,56 inch 2. 0.50, 0.75, 1.00, 1.23, 1.50, 1.75, 2.00, 2.50, 3.00, 3.50, 4.00, 4.50, 5.00, 6.00 mm
5625	Metric Gage	28	2	1. 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90 mm 2. 1.00, 1.10, 1.20, 1.25, 1.30, 1.40, 1.50, 1.60, 1.70, 1.75, 1.80, 1.90, 2.00, 2.50 mm
5626	English Gage	28	2	1. 2-1/4, 2-3/8, 2-1/2, 2-5/8, 2-3/4, 2-7/8, 3, 3-1/4, 3-1/2, 4, 4-1/2, 5, 5-1/2 inch 2. 6,7,8,9,10,11,12,13,14,16,18,20,24,28 inch center gage with coarse and fine notch included
5642	English Gage	30	2	1. 4,4-1/2,5,5-1/2,6,7,8,9,10,11,11-1/2,12,13,14,15 inch 2. 16,18,20,22,24,26,27,28,30,32,34,36,38,40,42 inch
5660	English Gage	30	2	1. 6,7,8,9,10,11,11-1/2,12,13,14,15,16,18,20,22 inch 2. 24,26,27,28,30,32,34,36,38,40,42,48,50,56,60 inch



DRILL GAGES



- ☐ Made of High Quality Steel
- □ Satin Chrome Finish

 Offer a Quick and Accurate Way of Checking Drill and Rod Sizes

DRILL GAGES, INDUSTRIAL QUALITY, HARDENED

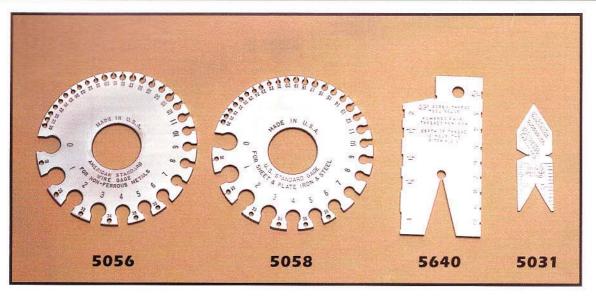
NUMBER	TYPE	DESCRIPTION
5050	1-60 Twist Drill and Drill Rod Gage	Gages drill sizes 1 thru 60. Each hole marked with number size and decimal equivalent of drill.
5051	1-60 Twist Drill and Machine Screw Tap Gage	Tells at a glance the correct size tap drill for machine screw tap in "NF" National Fine or "NC" National Coarse thread series. Shows the correct body size drill to use. 60 sizes shown with number and decimal equivalent of drill at each hole.
5052	1/16" to 1/2" Fractional Size Drill Gage	Gage has 29 measuring holes for determining twist drill sizes from 1/16" to 1/2" in 1/64" increments. Shows drill sizes in inches and decimal equivalents.
5053	A to Z Alphabet Drill Gage	Used to select or check drill sizes from "A" to "Z". Each gage hole is marked by letter and its decimal equivalent from .234 inch diameter through .413 inch diameter.
5054	61-80 Twist Drill and Drill Rod Gage	Used to gage and select the correct twist drill and steel drill rod in the small size range from 61 through 80. Each hole shows the size number and the corresponding decimal equivalent.
5075	1.0 to 5.9 mm Metric Twist Drill and Drill Rod Gage	Gages 57 sizes from 1.0 to 5.9 mm. Gage shows metric sizes with decimal equivalents.
5076	1.5 to 12.5 mm Metric Twist Drill and Drill Rod Gage	Gages 30 sizes from 1.5 to 12.5 mm. Gage shows metric sizes with decimal equivalents.

☐ DRILL GAGES, HARDWARE QUALITY, UNHARDENED

5051-H	Same as 5051	Same as 5051
5052-H	Same as 5052	Same as 5052
5053-H	Same as 5053	Same as 5053
5075-H	Same as 5075	Same as 5075
5076-H	Same as 5076	Same as 5076

WIRE, ACME & CENTER GAGES





□ WIRE GAGES

- ☐ Made of High Quality Steel
- ☐ Satin Chrome Finish
- Offer a Quick and Accurate Way of Checking Rod and Wire Sizes

NUMBER	TYPE	DESCRIPTION
5056	American Standard Wire Gage for Non-Ferrous Metals	Gages sheets, plates and wire made of non-ferrous metals such as copper, brass, aluminum, etc. Sizes range from 0 to 36. Decimal equivalents shown on reverse side.
5058	U.S. Standard Wire Gage for Sheet, Plate-Iron and Steel	Gage is made to the recognized commercial standard in the United States for uncoated sheet metal, plate iron and steel, based on weights in ounces per square foot. Gage provides measurements from 0 to 36 on one face and decimal equivalents on the reverse side.

☐ THREAD GAGE

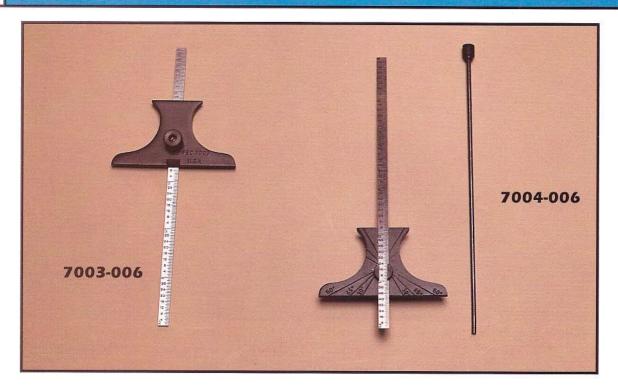
- 5640	Acme Screw Thread Gage	Used for grinding and setting tools when cutting Acme threads whose sides have an inclination of 14-1/2° (29° included angle). Angles and edges are precision ground. Black-oxidized finish provides protection against corrosion.
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☐ CENTER GAGES

5031	American National or U.S. Standard Center Gage	Used in grinding and setting screw cutting tools. Scales with 14ths and 20ths graduations provided on one side, 24ths and 32nds on reverse side. Scales are used to determine number of threads per inch. Gage also features a table of double depths of threads for selecting size of tap drills. Made of hardened spring tempered steel, with a protective satin chrome finish. All gaging surfaces are precision ground.
5032	Metric Center Gage	Graduated in mm and 0.5mm



DEPTH & ANGLE GAGES



- ☐ Heads Made of Hardened Steel
- ☐ Protractor Graduations Include 30°, 45° and 60° Angles
- ☐ Base Surface Measures 2-1/2" x 1/8" Thick
- ☐ Center of the Head Features Recess Cut-Out for Easy Reading and More Accurate Measurements of Depth
- ☐ Gage Includes 6" Rule Made of Hardened and Tempered Steel
- ☐ Rule Measures 7/32" Wide and .041" Thick with Deeply Etched, Quick-Reading Markings
- ☐ 6" Non-Graduated 3/32" Steel Rod Included for Measuring Holes Too Narrow for Use with the Rule

☐ DEPTH GAGES

Includes: Head with No Markings and Rule

PART NUMBER	DESCRIPTION	LENGTH	GRADUATIONS
7003-006	Depth	6" Rule	32nds one side, 64ths on reverse
7003-012	Depth	12" Rule	32nds one side, 64ths on reverse
7003-150	Depth	6"/150mm Rule	32nds one side, 0.5mm on reverse
7003-300	Depth	12"/300mm Rule	32nds one side, 0.5mm on reverse
7003-M15	Depth	150mm Rule	mm's one side, 0.5mm on reverse
7003-M30	Depth	300mm Rule	mm's one side, 0.5mm on reverse

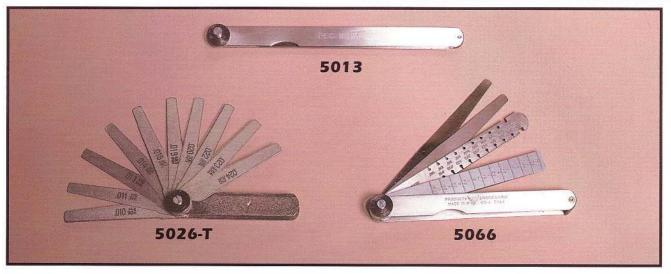
☐ DEPTH & ANGLE GAGES

Includes: Head with Protractor Markings, Rule and 6" Rod

			DATE-COM	
7004-006	Depth & Angle	6" Rule	32nds one side,	64ths on reverse
7004-012	Depth & Angle	12" Rule	32nds one side,	64ths on reverse
7004-150	Depth & Angle	6"/150mm Rule	32nds one side,	0.5mm on reverse
7004-300	Depth & Angle	12"/300mm Rule	32nds one side,	0.5mm on reverse
7004-M15	Depth & Angle	150mm Rule	mm's one side,	0.5mm on reverse
7004-M30	Depth & Angle	300mm Rule	mm's one side,	0.5mm on reverse

FEELER GAGES





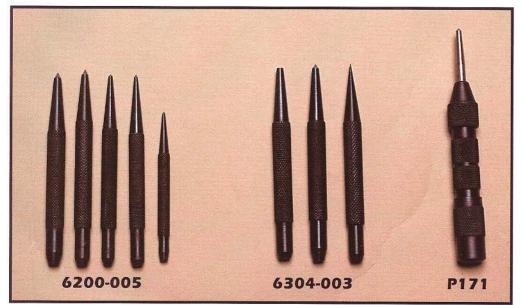
- ☐ Made from the Finest Feeler Gage Stock Available, Hardened and Tempered
- ☐ Lock-Nut Securely Holds One or More Blades in Any Desired Position for Taking Measurements
- ☐ Each Blade Clearly Marked with Thickness
- ☐ Blades Easily Removed or Replaced
- ☐ Sturdy Steel Case Protects Blades Safely and Securely
- ☐ Different Combinations of Blades Available by Special Order

☐ FEELER GAGES

PART NUMBER	TYPE OF BLADES	BLADE LENGTH	NO. OF BLADES	THICKNESSES INCLUDED
5026	Straight Blade 1/2" width at tip	3"	26	.0015, .002, .0025, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .021, .022, .023, .024, .025 inch
5026-T	Tapered Blade 1/4" width at tip	3"	26	Same as # 5026
5027	Straight Blade 1/2" width at tip	3"	26	.0015, .002, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .017, .018, .020, .022, .024, .025, .028, .030, .032, .035 inch
5015	Straight Blade 1/2" width at tip	3"	15	.0015, .002, .003, .004, .006, .008, .010, .012, .015, .020, .030, .040, .075, .100, .200 inch
5012	Tapered Blade 30° bend 1/4" width at tip	3-1/4"	25	.0015, .002, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .018, .020, .022, .024, .025, .028, .030, .032, .035 inch
5013	Straight Blade 1/2" width at tip	4-1/2"	13	.0015, .002, .003, .004, .006, .008, .010, .020, .030, .040, .075, .100, .200 inch
5009	Straight Blade 1/2" width at tip	6"	9	.0015, .002, .003, .004, .006, .008, .010, .012, .015 inch
5066	Tapered Blade 1/4" width at tip	3"	9	Blades: .002, .003, .004, .006, .008, .010, .012, .015, 1/16 inch Taper gage for measuring slots from 1/64" to 3/16" in 1/64" increments. Reverse side of taper gage has 3" scale, graduated in 8ths and 16ths. Birmingham-Standard wire gage, also included, with slots in sizes from 19-36 plus 1/16" and 1/8" slots. Reverse side of wire gage shows decimal equivalents in thousandths.



PUNCHES





☐ CENTER PUNCHES

- □ Made of Tool Steel
- □ Black Oxide Finish for Rust Prevention
- ☐ Knurled Body for Better Grip
- ☐ Hardened Both Ends, Rc 45 to 52
- Points Precision Ground
- ☐ 4" Length, 1/16" Dia. Punch 3" Long
- ☐ Set Supplied in Fitted Case with Clear Size Markings

NUMBER	DESCRIPTION	POINT SIZES
6200-005	5 Pc Set	1/16", 5/64", 3/32", 9/64", 5/32"
6200-1/16	Individual	1/16"
6200-5/64	Individual	5/64"
6200-3/32	Individual	3/32"
6200-9/64	Individual	9/64"
6200-5/32	Individual	5/32"

☐ COMBINATION PUNCH SET

- ☐ Made of Tool Steel
- ☐ Black Oxide Finish for Rust Prevention
- □ Knurled Body for Better Grip
- ☐ Hardened Both Ends, Rc 45 to 52
- ☐ 4" Length
- ☐ Supplied in Fitted Case
- ☐ Set Contains 5/32" Drive Pin Punch, 5/32" Center Punch and Scriber

NUMBER	DESCRIPTION
6304-003	3 Pc Set

☐ AUTOMATIC CENTER PUNCHES

- Automatic, Spring Operated Action
 Adjustable for Very Light to Heavy Strokes
- ☐ Replaceable Point Ground and Hardened
- Used for Marking, Punching, Staking and Riveting

NUMBER	DESCRIPTION
P170	Standard Duty
P171	Heavy Duty
P171-P	Replacement Point for P171

☐ OPTICAL CENTER PUNCH

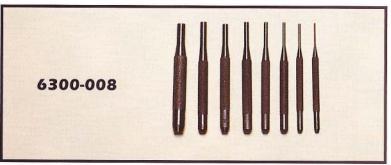
- ☐ Efficient, Precision Punching of Hole Centers
- ☐ Center Dot & Circle for Targeting the Punch
- ☐ Magnifies without Distortion or Parallax

NUMBER	DESCRIPTION	
OP-270	9X Acrylic Lens	

DRIVE PIN PUNCHES









☐ EXTRA LONG DRIVE PIN PUNCHES

- ☐ Made of Tool Steel
- ☐ Punch Section Centerless Ground
- ☐ Handles Black Oxide for Rust Prevention
- ☐ Knurled Body for Better Grip
- ☐ Hardened Both Ends, Rc 45 to 52
- □ 8" Length, Drive Pin Section 3-1/2" Long
- ☐ Set Supplied in Fitted Pouch with Clear Size Markings

NUMBER DESCRIPTION		POINT SIZES	
6301-058	5 Pc Set	1/8", 3/16", 1/4", 5/16", 3/8'	
6301-1/8	Individual	1/8"	
6301-3/16	Individual	3/16"	
6301-1/4	Individual	1/4"	
6301-5/16	Individual	5/16"	
6301-3/8	Individual	3/8"	

☐ DRIVE PIN PUNCHES

- ☐ Made of Tool Steel
- ☐ Punch Section Centerless Ground
- ☐ Handles Black Oxide for Rust Prevention
- ☐ Knurled Body for Better Grip
- ☐ Hardened Both Ends, Rc 45 to 52
- ☐ 4" Length
- ☐ Set Supplied in Fitted Pouch With Clear Size Markings

6300-008	8 Pc Set	1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16"		
6300-1/16	Individual	1/16"		
6300-3/32	Individual	3/32"		
6300-1/8	Individual	1/8"		
6300-5/32	Individual	5/32"		
6300-3/16	Individual	3/16"		
6300-7/32	Individual	7/32"		
6300-1/4	Individual	1/4"		
6300-5/16	Individual	5/16"		

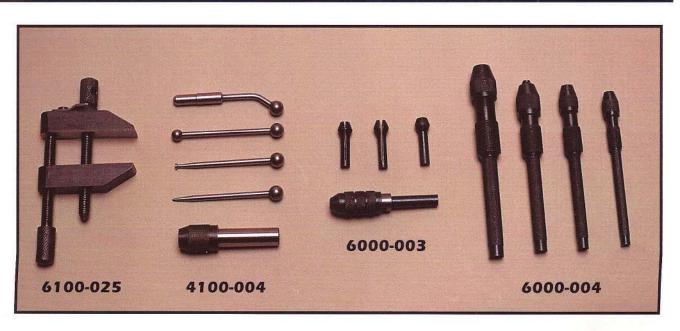
☐ BRASS DRIVE PIN PUNCHES

- Made of Brass
- Punch Section Centerless Ground
- ☐ Hexagonal Body Style
- ☐ Used in Spark-Free Environments
- ☐ 4" Length
- ☐ Set Supplied in Fitted Pouch with Clear Size Markings

6300-008B	8 Pc Set	1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16"
6300-1/16B	Individual	1/16"
6300-3/32B	Individual	3/32"
6300-1/8B	Individual	1/8"
6300-5/32B	Individual	5/32"
6300-3/16B	Individual	3/16"
6300-7/32B	Individual	7/32"
6300-1/4B	Individual	1/4"
6300-5/16B	Individual	5/16"



PIN VISES, CLAMPS & PIN CHUCKS



☐ PARALLEL CLAMPS

- Designed for Maximum Strength and Rigidity
- □ Ideal for Various Toolmaking and Machine Set-Ups
- ☐ Made of Alloy Steel, Black Oxide Finish
- ☐ Hardened and Tempered Jaws
- □ Screw Heads Drilled Allowing Use of Pin for Tightening
- ☐ All Sizes Equipped with Spring Clip and Retaining Groove

NUMBER	JAW OPENING	JAW LENGTH	
6100-002	1-1/4"	2"	
6100-025	1-3/4"	2-1/2"	
6100-003	2-1/4"	3"	
6100-004	2-3/4"	4"	
6100-005	3-1/2"	5"	

■ WIGGLER SET

- ☐ Made from Precision Ground Tool Steel
- ☐ Includes Offset Indicator Holder and Improved Chuck Design for Holding Attachments
- □ Attachments Readily Interchangeable
- □ Tool Adapts to Countless Applications
- □ Attachments Snap into Chuck and Clamp to Ball Swivel Joint which Permits Adjustments to Angular Positions or True Concentricity

PART NUMBER	DESCRIPTION
4100-004	5 Pc Set

☐ PIN CHUCK SET

- Designed for Holding Small Drills in Drilling Machine
- ☐ Overall Length 2-1/2"
- ☐ Set Includes Three Interchangeable Collets and Knurled Chuck with 1/4" Shank

PART NUMBER	DESCRIPTION	
6000-003	4 Pc Set	

☐ PIN VISES

- Made of Alloy Steel, Black Oxide Finish
- □ Collets Grip Firmly When Chuck is Tightened
- ☐ Knurled Finger Grip
- ☐ Range of Set 0 .188"
- □ Supplied in Plastic Pouch
- ☐ Ideal for Holding Small Tools, Rods, Wires, Taps, etc.

PART NUMBER	RANGE
6000-004	4 Pc Set
6000-004A	.000"040"
6000-004B	.032"059"
6000-004C	.052"122"
6000-004D	.118"188"

TAP WRENCHES & SURFACE GAGES









☐ TAP WRENCHES

- ☐ T-Handles Slide Both Ways for Tightening
- ☐ Spring Tension Holds Handle in Desired Position
- ☐ Used by Toolmakers and Mechanics for Holding Taps, Reamers and Other Small Tools

SOLID JAW

PART NUMBER	CAPACITY
4300-210	1/16" to 5/32"
4300-220	5/32" to 1/4"
4300-230	1/4" to 1/2"
4300-250	1/16" to 1/2" Set

RATCHET TYPE

PART NUMBER	CAPACITY
4300-215	1/16" to 5/32"
4300-225	5/32" to 1/4"
4300-235	1/4" to 1/2"
4300-255	1/16" to 1/2" Set

□ SCRIBERS

- ☐ Lightweight Aluminum Handles
- ☐ Deep Knurled for Firm Grip

- ☐ Length 8-1/2"
- ☐ Double Pointed

PART NUMBER	DESCRIPTION
321	Right Angle & Straight
322	Curved Hook & Straight

□ SURFACE GAGES

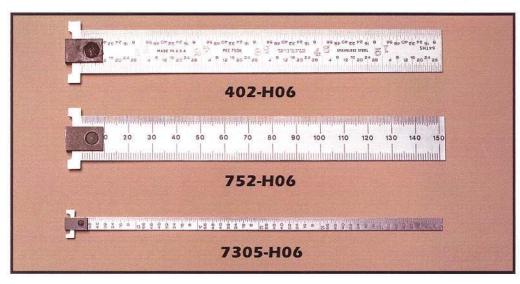
- ☐ Base Fully Hardened
- ☐ Knurled Thumb Screw for Fine Adjustment
- ☐ Retractable Pins in the Base

- ☐ V-Groove Base for Mounting on Round Work
- ☐ Supplied with Scriber and Spindles

NUMBER BASE SIZE L x W x H		SPINDLE LENGTHS	
5033-004	2-7/32" x 1-19/32" x 23/32"	4"	
5033-007	2-7/32" x 1-19/32" x 23/32"	4" & 7"	
5033-009	3-1/4" x 2-1/2" x 1-1/32"	9"	
5033-012	3-1/4" x 2-1/2" x 1-1/32"	9" & 12"	



HOOK RULES



- ☐ Hardened and Tempered Tool Steel
- ☐ Thickness .040"
- ☐ Hard Chrome Finish, No Glare

- ☐ Furnished with Adjustable Hook
- □ Any Graduations Available by Special Order

☐ GRADUATION STYLES:

4R: 8ths & 16ths, 32nds & 64ths **16R:** 32nds & 64ths, 50ths & 100ths **Metric:** mm & 0.5mm both sides

English/Metric: 0.5mm & 32nds, mm & 64ths

☐ ADJUSTABLE HOOK RULES

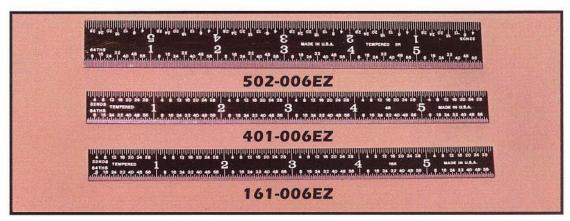
PART NUMBER	LENGTH	GRADUATION		WIDTH
402-H06	6"	4R	(8ths, 16ths, 32nds, 64ths)	3/4"
402-H12	12"	4R	(8ths, 16ths, 32nds, 64ths)	1"
402-H18	18"	4R	(8ths, 16ths, 32nds, 64ths)	1-1/8"
402-H24	24"	4R	(8ths, 16ths, 32nds, 64ths)	1-1/8"
162-H06	6"	16R	(32nds, 64ths, 50ths, 100ths)	3/4"
162-H12	12"	16R	(32nds, 64ths, 50ths, 100ths)	1"
162-H18	18"	16R	(32nds, 64ths, 50ths, 100ths)	1-1/8"
162-H24	24"	16R	16R (32nds, 64ths, 50ths, 100ths)	
262-H06	6"	E/M	(0.5mm, 32nds, mm, 64ths)	3/4"
262-H12	12"	E/M	E/M (0.5mm, 32nds, mm, 64ths)	
262-H18	18"	E/M	(0.5mm, 32nds, mm, 64ths)	1-1/8"
262-H24	24"	E/M	(0.5mm, 32nds, mm, 64ths)	1-1/8"
752-H06	150mm	Metric	(mm, 0.5mm, mm, 0.5mm)	3/4"
752-H12	300mm	Metric	(mm, 0.5mm, mm, 0.5mm)	1"
752-H18	450mm	Metric	(mm, 0.5mm, mm, 0.5mm)	1-1/8"
752-H24	600mm	Metric	(mm, 0.5mm, mm, 0.5mm)	1-1/8"

□ NARROW ADJUSTABLE HOOK RULES

7305-H06	6"	32nds one face, 64ths other face	7/32"
7305-H12	12"	32nds one face, 64ths other face	7/32"
7305-H15	150mm	mm one face, 0.5mm other face	7/32"
7305-H30	300mm	mm one face, 0.5mm other face	7/32"
7305-HM6	6"	32nds one face, 0.5mm other face	7/32"
7305-HM2	12"	32nds one face, 0.5mm other face	7/32"

BLACK CHROME RULES





- ☐ Made from the Finest Stainless Steel Available
- ☐ All Rules Fully Hardened and Tempered
- ☐ Precisely Etched, then White Filled for Readability
- ☐ Any Graduations Available by Special Order
- ☐ Black Chrome Finish

☐ FLEXIBLE RULES

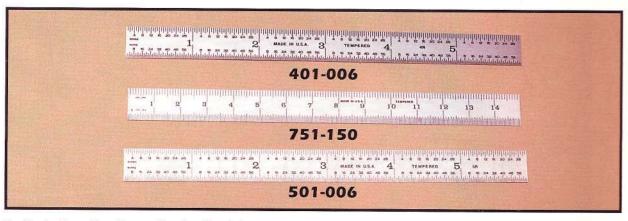
PART NO.	SIZE		GRADUATIONS	THICKNESS	WIDTH
401-006EZ	6"	4R	(8ths, 16ths, 32nds, 64ths)	.020"	1/2"
401-012EZ	12"	4R	(8ths, 16ths, 32nds, 64ths)	.020"	1/2"
401-018EZ	18"	4R	(8ths, 16ths, 32nds, 64ths)	.020"	3/4"
401-024EZ	24"	4R	(8ths, 16ths, 32nds, 64ths)	.020"	3/4"
501-006EZ	6"	5R	(32nds, 64ths, 10ths, 100ths)	.020"	1/2"
501-012EZ	12"	5R	(32nds, 64ths, 10ths, 100ths)	.020"	1/2"
501-018EZ	18"	5R	(32nds, 64ths, 10ths, 100ths)	.020"	3/4"
501-024EZ	24"	5R	(32nds, 64ths, 10ths, 100ths)	.020"	3/4"
161-006EZ	6"	16R	(32nds, 64ths, 50ths, 100ths)	.020"	1/2"
161-012EZ	12"	16R	(32nds, 64ths, 50ths, 100ths)	.020"	1/2"
161-018EZ	18"	16R	(32nds, 64ths, 50ths, 100ths)	.020"	3/4"
161-024EZ	24"	16R	(32nds, 64ths, 50ths, 100ths)	.020"	3/4"
301-006EZ	6"	3R	(32nds, 64ths, 10ths, 50ths)	.020"	1/2"
261-006EZ	6"	E/M	(0.5mm, 32nds, mm, 64ths)	.020"	1/2"
261-012EZ	12"	E/M	(0.5mm, 32nds, mm, 64ths)	.020"	1/2"
751-150EZ	150mm	Metri	c (mm, 0.5mm, mm, 0.5mm)	.020"	1/2"
751-300EZ	300mm	Metri	c (mm, 0.5mm, mm, 0.5mm)	.020"	1/2"

☐ RIGID RULES

PART NO.	SIZE		GRADUATIONS	THICKNESS	WIDTH
402-006EZ	6"	4R	(8ths, 16ths, 32nds, 64ths)	.035"	3/4"
402-012EZ	12"	4R	(8ths, 16ths, 32nds, 64ths)	.035"	1"
402-018EZ	18"	4R	(8ths, 16ths, 32nds, 64ths)	.035"	1-1/8"
402-024EZ	24"	4R	(8ths, 16ths, 32nds, 64ths)	.035"	1-1/8"
502-006EZ	6"	5R	(32nds, 64ths, 10ths, 100ths)	.035"	3/4"
502-012EZ	12"	5R	(32nds, 64ths, 10ths, 100ths)	.035"	1"
502-018EZ	18"	5R	(32nds, 64ths, 10ths, 100ths)	.035"	1-1/8"
502-024EZ	24"	5R	(32nds, 64ths, 10ths, 100ths)	.035"	1-1/8"
162-006EZ	6"	16R	(32nds, 64ths, 50ths, 100ths)	.035"	3/4"
162-012EZ	12"	16R	(32nds, 64ths, 50ths, 100ths)	.035"	1"
162-018EZ	18"	16R	(32nds, 64ths, 50ths, 100ths)	.035"	1-1/8"
162-024EZ	24"	16R	(32nds, 64ths, 50ths, 100ths)	.035"	1-1/8"
302-006EZ	6"	3R	(32nds, 64ths, 10ths, 50ths)	.035"	3/4"
262-006EZ	6"	E/M	(0.5mm, 32nds, mm, 64ths)	.035"	3/4"
262-012EZ	12"	E/M	(0.5mm, 32nds, mm, 64ths)	.035"	1"
752-150EZ	150mm	Metric	(mm, 0.5mm, mm, 0.5mm)	.035"	3/4"
752-300EZ	300mm	Metric	(mm, 0.5mm, mm, 0.5mm)	.035"	1"



FLEXIBLE RULES



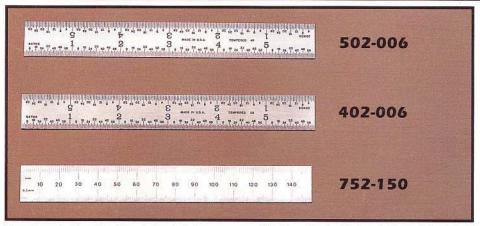
- □ Made from the Finest Quality Steel Available
- □ All Rules Fully Hardened and Tempered
- Precisely Etched, then Black Filled for Readability
- ☐ Any Graduations Available by Special Order
- ☐ Satin Chrome Finish

☐ FLEXIBLE RULES

PART NO.	SIZE	GRADUATIONS	THICKNESS	WIDTH
401-006	6"	4R (8ths, 16ths, 32nds, 64ths)	.015"	1/2"
401-012	12"	4R (8ths, 16ths, 32nds, 64ths)	.015"	1/2"
401-018	18"	4R (8ths, 16ths, 32nds, 64ths)	.020"	3/4"
401-024	24"	4R (8ths, 16ths, 32nds, 64ths)	.020"	3/4"
401-036	36"	4R (8ths, 16ths, 32nds, 64ths)	.020"	3/4"
401-048	48"	4R (8ths, 16ths, 32nds, 64ths)	.020"	3/4"
501-006	6"	5R (32nds, 64ths, 10ths, 100ths)	.015"	1/2"
501-012	12"	5R (32nds, 64ths, 10ths, 100ths)	.015"	1/2"
501-018	18"	5R (32nds, 64ths, 10ths, 100ths)	.020"	3/4"
501-024	24"	5R (32nds, 64ths, 10ths, 100ths)	.020"	3/4"
501-036	36"	5R (32nds, 64ths, 10ths, 100ths)	.020"	3/4"
161-006	6"	16R (32nds, 64ths, 50ths, 100ths)	.015"	1/2"
161-012	12"	16R (32nds, 64ths, 50ths, 100ths)	.015"	1/2"
161-018	18"	16R (32nds, 64ths, 50ths, 100ths)	.020"	3/4"
161-024	24"	16R (32nds, 64ths, 50ths, 100ths)	.020"	3/4"
161-036	36"	16R (32nds, 64ths, 50ths, 100ths)	.020"	3/4"
161-048	48"	16R (32nds, 64ths, 50ths, 100ths)	.020"	3/4"
301-006	6"	3R (32nds, 64ths, 10ths, 50ths)	.015"	1/2"
301-012	12"	3R (32nds, 64ths, 10ths, 50ths)	.015"	1/2"
301-018	18"	3R (32nds, 64ths, 10ths, 50ths)	.020"	3/4"
301-024	24"	3R (32nds, 64ths, 10ths, 50ths)	.020"	3/4"
261-006	6"	E/M (32nds, 64ths, mm, 0.5mm)	.015"	1/2"
261-012	12"	E/M (32nds, 64ths, mm, 0.5mm)	.015"	1/2"
261-018	18"	E/M (32nds, 64ths, mm, 0.5mm)	.020"	3/4"
261-024	24"	E/M (32nds, 64ths, mm, 0.5mm)	.020"	3/4"
261-036	36"	E/M (32nds, 64ths, mm, 0.5mm)	.020"	3/4"
261-1000	1000mm	E/M (32nds, 64ths, mm, 0.5mm)	.020"	3/4"
751-150	150mm	Metric (mm, 0.5mm, mm, 0.5mm)	.015"	1/2"
751-300	300mm	Metric (mm, 0.5mm, mm, 0.5mm)	.015"	1/2"
751-450	450mm	Metric (mm, 0.5mm, mm, 0.5mm)	.020"	3/4"
751-600	600mm	Metric (mm, 0.5mm, mm, 0.5mm)	.020"	3/4"
751-900	900mm	Metric (mm, 0.5mm, mm, 0.5mm)	.020"	3/4"
751-1000	1000mm	Metric (mm, 0.5mm, mm, 0.5mm)	.020"	3/4"
561-006	6"	D/M (10ths, 100ths, mm, 0.5mm)	.015"	1/2"
561-012	12"	D/M (10ths, 100ths, mm, 0.5mm)	.015"	1/2"
561-018	18"	D/M (10ths, 100ths, mm, 0.5mm)	.020"	3/4"
561-024	24"	D/M (10ths, 100ths, mm, 0.5mm)	.020"	3/4"
361-006	6"	D/M (10ths, 50ths, mm, 0.5mm)	.015"	1/2"
361-012	12"	D/M (10ths, 50ths, mm, 0.5mm)	.015"	1/2"

RIGID RULES



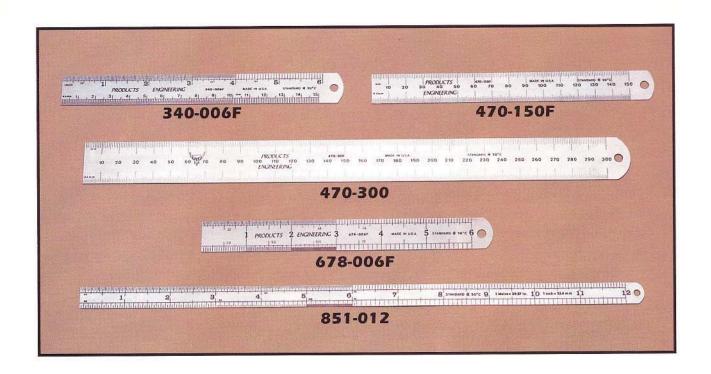


- ☐ Made From the Finest Quality Steel Available
- ☐ All Rules Fully Hardened and Tempered
- ☐ RIGID RULES

- ☐ Precisely Etched, then Black Filled for Readability
- ☐ Any Graduations Available by Special Order
- ☐ Satin Chrome Finish

PART NO.	SIZE	GRADUATIONS	THICKNESS	WIDTH
402-006	6"	4R (8ths, 16ths, 32nds, 64ths)	.040"	3/4"
402-006E	6"	4R (8ths, 16ths, 32nds, 64ths)	.040"	3/4"
402-012	12"	4R (8ths, 16ths, 32nds, 64ths)	.040"	1"
402-018	18"	4R (8ths, 16ths, 32nds, 64ths)	.040"	1-1/8"
402-024	24"	4R (8ths, 16ths, 32nds, 64ths)	.040"	1-1/8"
402-036	36"	4R (8ths, 16ths, 32nds, 64ths)	.040"	1-1/4"
402-048	48"	4R (8ths, 16ths, 32nds, 64ths)	.040"	1-1/4"
502-006	6"	5R (32nds, 64ths, 10ths, 100ths)	.040"	3/4"
502-012	12"	5R (32nds, 64ths, 10ths, 100ths)	.040"	1"
502-018	18"	5R (32nds, 64ths, 10ths, 100ths)	.040"	1-1/8"
502-024	24"	5R (32nds, 64ths, 10ths, 100ths)	.040"	1-1/8"
502-036	36"	5R (32nds, 64ths, 10ths, 100ths)	.040"	1-1/4"
162-006	6"	16R (32nds, 64ths, 50ths, 100ths)	.040"	3/4"
162-012	12"	16R (32nds, 64ths, 50ths, 100ths)	.040"	1"
162-018	18"	16R (32nds, 64ths, 50ths, 100ths)	.040"	1-1/8"
162-024	24"	16R (32nds, 64ths, 50ths, 100ths)	.040"	1-1/8"
162-036	36"	16R (32nds, 64ths, 50ths, 100ths)	.040"	1-1/4"
162-048	48"	16R (32nds, 64ths, 50ths, 100ths)	.040"	1-1/4"
302-006	6"	3R (32nds, 64ths, 10ths, 50ths)	.040"	3/4"
302-012	12"	3R (32nds, 64ths, 10ths, 50ths)	.040"	1"
302-018	18"	3R (32nds, 64ths, 10ths, 50ths)	.040"	1-1/8"
302-024	24"	3R (32nds, 64ths, 10ths, 50ths)	.040"	1-1/8"
262-006	6"	E/M (32nds, 64ths, mm, 0.5mm)	.040"	3/4"
262-012	12"	E/M (32nds, 64ths, mm, 0.5mm)	.040"	1"
262-018	18"	E/M (32nds, 64ths, mm, 0.5mm)	.040"	1-1/8"
262-024	24"	E/M (32nds, 64ths, mm, 0.5mm)	.040"	1-1/8"
262-036	36"	E/M (32nds, 64ths, mm, 0.5mm)	.040"	1-1/4"
262-048	48"	E/M (32nds, 64ths, mm, 0.5mm)	.040"	1-1/4"
752-150	150mm	Metric (mm, 0.5mm, mm, 0.5mm)	.040"	3/4"
752-300	300mm	Metric (mm, 0.5mm, mm, 0.5mm)	.040"	1"
752-450	450mm	Metric (mm, 0.5mm, mm, 0.5mm)	.040"	1-1/8"
752-600	600mm	Metric (mm, 0.5mm, mm, 0.5mm)	.040"	1-1/8"
752-1000	1000mm	Metric (mm, 0.5mm, mm, 0.5mm)	.040"	1-1/4"
562-006	6"	D/M (10ths, 100ths, mm, 0.5mm)	.040"	3/4"
562-012	12"	D/M (10ths, 100ths, mm, 0.5mm)	.040"	1"
562-018	18"	D/M (10ths, 100ths, mm, 0.5mm)	.040"	1-1/8"
562-024	24"	D/M (10ths, 100ths, mm, 0.5mm)	.040"	1-1/8"
362-006	6"	D/M (10ths, 50ths, mm, 0.5mm)	.040"	3/4"
362-012	12"	D/M (10ths, 50ths, mm, 0.5mm)	.040"	1"

ROUND END RULES



- ☐ Made From the Finest Quality Steel Available
- □ All Rules Fully Hardened and Tempered
- ☐ Precisely Etched, then Black Filled for Readability
- Any Graduations Available by Special Order
- Satin Chrome Finish

☐ FLEXIBLE RULES

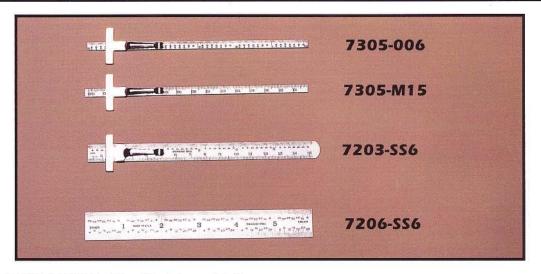
NUMBER SIZE		GRADUATIONS	THICKNESS	WIDTH
851-006F	6"	E/M (16ths, 32nds, 64ths, 10ths, 20ths, 50ths, 100ths, 1.0mm, 0.5mm)	0.5mm	12.5mm
851-012F	12"	E/M (16ths, 32nds, 64ths, 10ths, 20ths, 50ths, 100ths, 1.0mm, 0.5mm)	0.5mm	12.5mm

☐ RIGID RULES

NUMBER	SIZE	GRADUATIONS	THICKNESS	WIDTH
340-006F	6"	E/M (16ths, 32nds, 64ths, 1.0mm, 0.5mm)	0.5mm	19mm
470-150F	150mm	Metric (1.0mm, 0.5mm)	0.5mm	19mm
470-300	300mm	Metric (1.0mm, 0.5mm)	1.0mm	25mm
678-006F	6"	E/M (16ths, 32nds, 64ths, 10ths, 20ths, 50ths, 100ths, 1.0mm, 0.5mm)	0.5mm	19mm
678-012	12"	E/M (16ths, 32nds, 64ths, 10ths, 20ths, 50ths, 100ths, 1.0mm, 0.5mm)	1.0mm	25mm
678-024	24"	E/M (16ths, 32nds, 64ths, 10ths, 20ths, 50ths, 100ths, 1.0mm, 0.5mm)	1.0mm	25mm

SPECIALTY RULES





☐ NARROW RULES, Depth Gage Rules

NUMBER	DESCRIPTION	GRAD	UATIONS
7305-006	6" with clip	32nds one face,	64ths other face
7305-012	12" with clip	32nds one face,	64ths other face
7305-006	6" without clip	32nds one face,	64ths other face
7305-012	12" without clip	32nds one face,	64ths other face
7305-M06	6" with clip	32nds one face,	0.5mm other face
7305-M12	12" with clip	32nds one face,	0.5mm other face
7305-M06	6" without clip	32nds one face,	0.5mm other face
7305-M12	12" without clip	32nds one face,	0.5mm other face
7305-M15	150mm with clip	mm one face,	0.5mm other face
7305-M30	300mm with clip	mm one face,	0.5mm other face
7305-M15	150mm without clip	mm one face,	0.5mm other face
7305-M30	300mm without clip	mm one face,	0.5mm other face

☐ ROUND END RULES, Stainless Steel

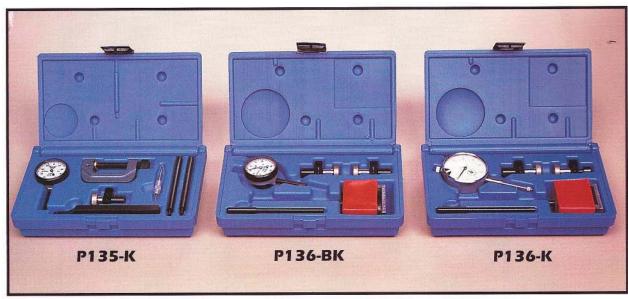
NUMBER	SIZE	DESCRIPTION	GRADUATIONS
7202-SS6	6" Flex	Not Plated	Round End Rule with Clip, 32nds-64ths Decimal Equivalent Chart on Back
7203-SS6	6" Flex	Not Plated	Round End Rule with Clip, mm-64ths Metric Equivalent Chart on Back
7202-C06	6" Flex	Chrome Plated	Round End Rule with Clip, 32nds-64ths Decimal Equivalent Chart on Back
7203-C06	6" Flex	Chrome Plated	Round End Rule with Clip, mm-64ths Metric Equivalent Chart on Back

☐ SQUARE END RULES, Stainless Steel

7206-SS6	6" Rigid	Not Plated	Stainless Steel Rule, 32nds-64ths Decimal Equivalent Chart on Back
7207-SS6	6" Rigid	Not Plated	Stainless Steel Rule, mm-64ths Metric Equivalent Chart on Back
7206-C06	6" Rigid	Chrome Plated	Stainless Steel Rule, 32nds-64ths Decimal Equivalent Chart on Back
7407-SS6	6" Flex	Not Plated	English Metric Rule, Both Ends Square Metric Equivalent Chart on Back
7407-C06	6" Flex	Chrome Plated	English Metric Rule, Both Ends Square Metric Equivalent Chart on Back



DIAL INDICATOR KITS



☐ UNIVERSAL TEST DIAL INDICATOR KITS

- ☐ Used for General Machine Set Up on Mills, Grinders, Drill Press, etc.
- Used to Inspect Shaft Runout and Bearing Play
- ☐ Includes Three Different Contact Points for Any Application
- □ Accessories Include Attachment for Inspection of Bores
- Jeweled Bearing Indicator
- ☐ Kit Includes Fitted, Impact Resistant Case

NUMBER	RANGE	GRADUATIONS	READING	INDICATOR
P135-K	.200"	.001"	0-100	951
P135-KA	.200"	.001"	0-50-0	961
P135-KM	5.0mm	.02mm	0-2.5mm	971

☐ UNIVERSAL TEST DIAL INDICATOR KITS

- ☐ Used for General Machine Set up on Mills, Grinders, Drill Press, etc.
- Used to Inspect Shaft Runout and Bearing Play
- ☐ Powerful Magnetic Base Allows for Indicator Set Up in Any Orientation
- Jeweled Bearing Indicator
- ☐ Kit Includes Fitted, Impact Resistant Case

NUMBER	RANGE	GRADUATIONS	READING	INDICATOR
P136-BK	.200"	.001"	0-100	951
P136-BKA	.200"	.001"	■ 0-50-0	961
P136-BKM	5.0mm	.02mm	0-2.5mm	971

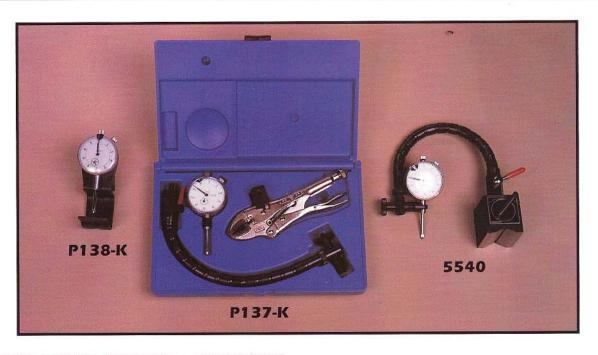
☐ LONG RANGE DIAL INDICATOR KITS

- ☐ Used for General Machine Set Up on Mills, Grinders, Drill Press, etc.
- ☐ Used to Inspect Shaft Runout and Bearing Play
- Powerful Magnetic Base Allows for Indicator Set Up in Any Orientation
- Long Range Dial Indicator with Revolution Counter
- ☐ Kit Includes Fitted, Impact Resistant Case

NUMBER	RANGE	GRADUATIONS	READING	INDICATOR
P136-K	1.0"	.001"	0-100	921
P136-KM	25mm	.01mm	0-2.5mm	921M

DIAL INDICATOR KITS





☐ DISC ROTOR AND BALL JOINT KITS

- Used for Inspection of Brake Rotor Runout and Ball Joint Wear
- ☐ Includes Vise-Grip® with Custom Adapter Allowing for Infinite Set Up Possibilities
- ☐ Long Range Dial Indicator with Revolution Counter
- ☐ Flexbar® Unit with Adjustable Tension Insures Rigid Set Up
- ☐ Kit Includes Fitted, Impact Resistant Case

NUMBER	RANGE	GRADUATIONS	READING	INDICATOR
P137-K	1.0"	.001"	0-100	931
P137-KM	25mm	.01mm	0-2.5mm	931M

□ DISC BRAKE ROTOR THICKNESS GAGE

- ☐ Used for Measuring Thickness Variation and Score Depth of Any Disc Brake Rotor
- ☐ Includes 1" Standard for Quick Accurate Calibration of Mounted Dial Indicator
- □ Supplied with Hardened and Pointed Contact for Score Depth Measurements

NUMBER	RANGE	GRADUATIONS	READING	INDICATOR
P138-K	.300"- 1.300"	.0005	0-50	938

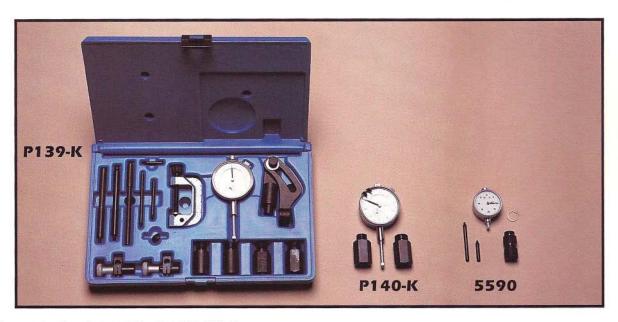
☐ MAGNETIC BASE & FLEXARM KITS

- ☐ Used for General Machine Set Up on Mills, Grinders, Drill Press, etc.
- Used to Inspect Shaft Runout and Bearing Play
- Powerful Magnetic Base Allows for Indicator Set Up in Any Orientation
- □ Long Range Dial Indicator with Revolution Counter
- ☐ Flexbar® Unit with Adjustable Tension Insures Rigid Set Up

NUMBER	RANGE	GRADUATIONS	READING	INDICATOR
5540	1.0"	.001"	0-100	931
5540M	25mm	.01mm	0-2.5mm	931M

PES

DIAL INDICATOR KITS



■ MASTER TIMING GAGE KITS

- ☐ Used to Set Timing on All Types of Two-Cycle Engines (Motorcycles, Snowmobiles, Chainsaws, etc.)
- Includes Angle Compensating Assembly for Use on Engines with Angled Spark Plugs
- □ Long Range Dial Indicator with Revolution Counter
- ☐ Includes Five Different Contact Points for Any Application
- ☐ 14mm and 18mm Adapters Cover Most Spark Plug Thread Sizes
- ☐ Kit Includes Fitted, Impact Resistant Case

NUMBER	RANGE	GRADUATIONS	READING	INDICATOR
P139-K	1.0"	.001"	0-100	931
P139-KM	25mm	.01mm	0-2.5mm	931M

☐ TWO-CYCLE ENGINE TIMING GAGES

- ☐ Used to Set Timing on All Types of Two-Cycle Engines (Motorcycles, Snowmobiles, Chainsaws, etc.)
- Choose from 12mm, 14mm and 18mm Adapter Combinations to Suit Your Needs
- □ Long Range Dial Indicator with Revolution Counter

NUMBER	RANGE	GRADUATIONS	READING	ADAPTERS	INDICATOR
P140-K	1.0"	.001"	0-100	14mm-18mm	931
P140-KA	1.0"	.001"	0-100	12mm-14mm	931
P140-KM	25mm	.01mm	0-2.5	14mm-18mm	931M
P140-KMA	25mm	.01mm	0-2.5	12mm-14mm	931M

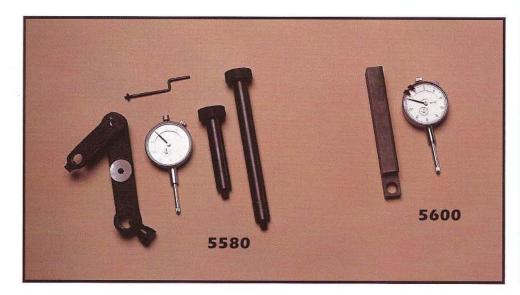
☐ MOTORCYCLE TIMING GAGE

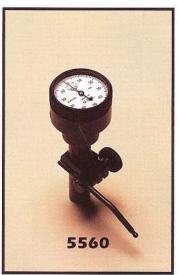
- □ Used in Timing of Two and Four Cycle Motorcycle Engines
- ☐ 14mm Adapter Features Lockring and O-Ring to Insure Indicator Setting
- Supplied with Two Extra Long Contact Points
- ☐ Metric Dial Indicator with Revolution Counter

NUMBER	RANGE	GRADUATIONS	READING	INDICATOR
5590	5.0mm	.01mm	0-100	981

DIAL INDICATOR KITS







☐ CUMMINS INJECTOR ADJUSTMENT GAGE

- ☐ Used in Accurately Setting Cummins Diesel Fuel Injectors
- ☐ Includes Long and Short Posts for All Space Limitations
- ☐ Cast Extension Arms Allow for Perfect Positioning
- □ Long Range Dial Indicator with Revolution Counter

NUMBER	RANGE	GRADUATIONS	READING	INDICATOR
5580	1.0"	.001"	0-100	931

☐ SLEEVE HEIGHT & COUNTERBORE GAGE

- ☐ Used to Measure Cylinder Sleeve to Deck Height, Counterbore Depths, Top Dead Center Position, etc.
- □ Retaining Ring Allows Indicator to be Rotated for Any Viewing Angle Around Bore
- ☐ Long Range Dial Indicator with Revolution Counter

NUMBER	RANGE	GRADUATIONS	READING	INDICATOR
5600	1.0"	.001"	0-100	931

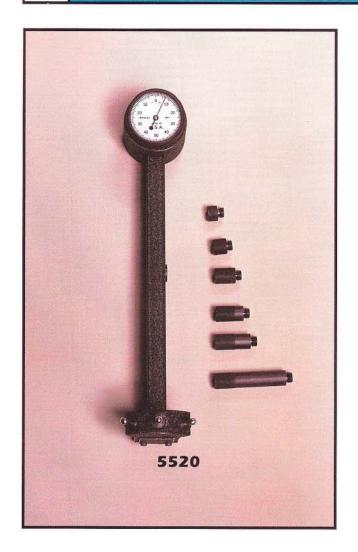
□ VALVE SEAT RUNOUT GAGES

- Used in Inspection of Valve Seat Runout on Any Internal Combustion Engine Head
- □ Jeweled Bearing Indicator
- ☐ Interchangeable Adapters Available for Use with Different Pilot Diameters

NUMBER	RANGE	GRADUATIONS	READING	ADAPTER	FOR PILOTS	INDICATOR
5560	.200"	.001"	0-50-0	.375"	K.O. Lee, Neway	961
5562	.200"	.001"	0-50-0	.385"	Sioux	961
5564	.200"	.001"	0-50-0	.438"	Kwik-Way	961



CYLINDER BORE GAGES





☐ CYLINDER BORE GAGES

- ☐ Used for Inspection of Taper and Out of Roundness in Cylinders 2-1/2" 7" in Diameter
- ☐ Measures Cylinder Diameter When Used with a Micrometer
- ☐ Includes Six Piece Contact Point and Extension Set

NUMBER	RANGE	GRADUATIONS	READING
5520	2.5 - 7"	.001"	0-100
5520M	70-170mm	.02mm	0-2.5mm

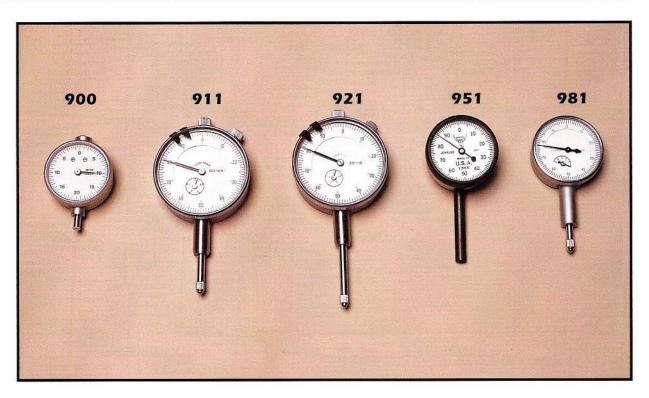
☐ CYLINDER BORE GAGE

- ☐ Used for Inspection of Taper and Out of Roundness in Cylinders 2-1/8" 7" in Diameter
- ☐ Measures Cylinder Diameter When Used with a Micrometer
- ☐ Includes Nine Piece Contact Point and Extension Set

NUMBER	RANGE	GRADUATIONS	READING
5500	2.125-7"	.0005"	0-20-0

DIAL INDICATORS



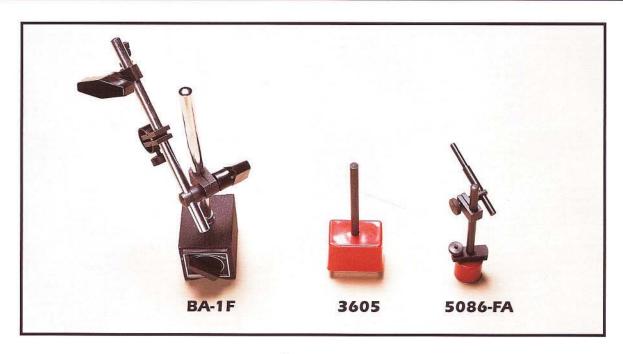


☐ DIAL INDICATORS

NUMBER	RANGE	GRADS	READING	DIAMETER	SHANK	DESCRIPTION	
900	.200"	.0005"	0-20-0	1-5/8"	N/A	Flat Back Rack & Pinion Construction	
911	.500"	.001"	0-100	2-1/4"	3/8" Dia.	Lug Back Rack & Pinion Construction	
921	1.0"	.001"	0-100	2-1/4"	3/8" Dia.	Lug Back Rack & Pinion Construction	
921M	25mm	.01mm	0-2.5mm	2-1/4"	8mm Dia.	Lug Back Rack & Pinion Construction	
931	1.0"	.001"	0-100	2-1/4"	1/2" Dia.	Lug Back Rack & Pinion Construction	
931M	25mm	.01mm	0-2.5mm	2-1/4"	1/2" Dia.	Lug Back Rack & Pinion Construction	
941	1.0"	.001"	0-100	2-1/4"	1/2" Dia.	Flat Back Rack & Pinion Construction	
951	.200"	.001"	0-100	1-1/2"	1/4" Dia.	Back Plunger Style Jeweled Bearing Indicator	
961	.200"	.001"	0-50-0	1-1/2"	1/4" Dia.	Back Plunger Style Jeweled Bearing Indicator	
971	5mm	.02mm	0-2.5mm	1-1/2"	1/4" Dia.	Back Plunger Style Jeweled Bearing Indicator	
981	5mm	.01mm	0-100	1-5/8"	3/8" Dia.	Flat Back Rack & Pinion Construction	

PEL-

MAGNETIC BASES



☐ HEAVY DUTY MAGNETIC BASES

- ☐ Accepts All A.G.D. Indicators
- ☐ Mounts Test Indicators with 1/4" Shank
- ☐ V-Shaped Base Accomodates Cylindrical Shaped Work Surfaces
- ☐ Strong, Permanent Magnet within Base Features Conveniently Located On/Off Switch for Quick Release of Magnet

PART NUMBER	DESCRIPTION		
BA-1	Standard		
BA-1F	Fine Adjustment		

☐ MAGNETIC BASE

- ☐ Grips Flat or Curved Metal Surfaces
- □ 5/16" Rod Diameter
- ☐ Clamps and Accessories Available

PART NUMBER	DESCRIPTION	
3605	Standard	

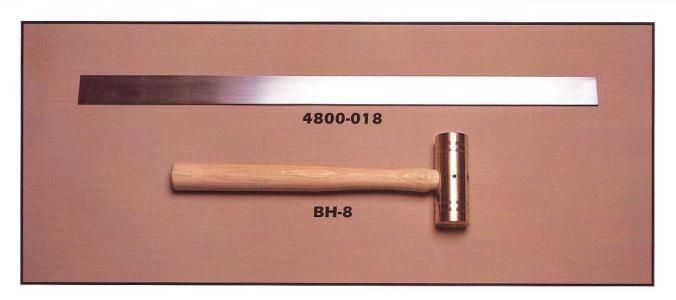
☐ MINI MAGNETIC BASES

- ☐ Supplied with Holding Clamp
- ☐ Used for Holding Small Set-Ups in Machining or Inspection

PART NUMBER	DESCRIPTION	
5086	Standard	
5086-FA	Fine Adjustment	

STRAIGHT EDGES & BRASS HAMMERS





☐ STRAIGHT EDGES

- ☐ Machinist's Style Used for General Line Layout and Inspection of Surfaces
- ☐ Features Flat, Parallel Surfaces and Square Ends
- ☐ Made of Hardened Tool Steel with Ground and Polished Finish

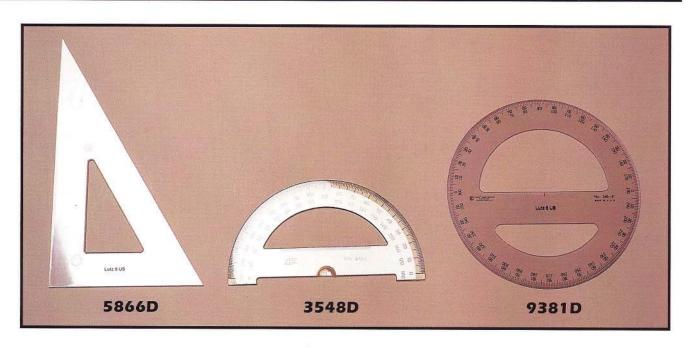
NUMBER	LENGTH	WIDTH	THICKNESS	STYLE
4800-012	12"	1-7/16"	5/32"	Unbeveled
4800-018	18"	1-7/16"	5/32"	Unbeveled
4800-024	24"	1-7/16"	5/32"	Unbeveled
4800-036	36"	2"	1/4"	Unbeveled
4800-012B	12"	1-7/16"	5/32"	Beveled
4800-018B	18"	1-7/16"	5/32"	Beveled
4800-024B	24"	1-7/16"	5/32"	Beveled
4800-036B	36"	2"	1/4"	Beveled

□ BRASS HAMMERS

- Non-Sparking
- ☐ Will Not Mar Steel and Iron Surfaces
- ☐ Polished and Machine Turned Heads
- ☐ Heads Securely Pinned to Tough Quality Hickory Handles

PART NUMBER	WEIGHT	HEAD DIA. X LENGTH	HANDLE
BH-4	4 ounces	3/4" x 2.25"	10-1/2"
BH-8	8 ounces	1" x 2.1"	10-1/2"
BH-8L	8 ounces	3/4" x 4"	10-1/2"
BH-16	16 ounces	1-1/4" x 2.6"	10-1/2"
BH-24	24 ounces	1-1/4" x 4"	12"
BH-32	32 ounces	1-1/2" x 4"	13"





☐ TRIANGLES

- ☐ Machined from Clear Acrylic Sheet
- ☐ Center is Cut Out and Beveled for Easy Pick Up
- Manufactured in Accordance with Federal Specification GG-T-671F

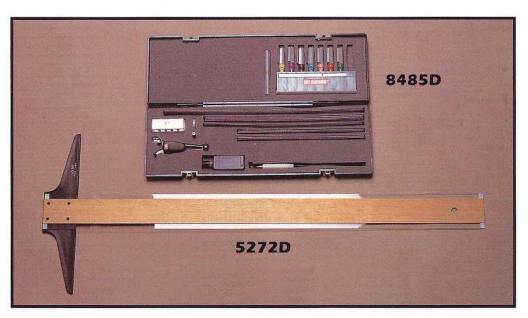
NUMBER	SIZE	ANGLES
5856D	4"	45°-45°-90°
5857D	6"	45°-45°-90°
5862D	8"	45°-45°-90°
5863D	10"	45°-45°-90°
5864D	12"	45°-45°-90°
3518D	14"	45°-45°-90°
3519D	18"	45°-45°-90°
5850D	4"	30°-60°-90°
5858D	6"	30°-60°-90°
5866D	8"	30°-60°-90°
5867D	10"	30°-60°-90°
5852D	12"	30°-60°-90°
5853D	14"	30°-60°-90°
5931D	16"	30°-60°-90°
3542D	18"	30°-60°-90°
0110D	8"	Adjustable
0108D	18"	Adjustable

☐ PROTRACTORS

- ☐ Molded in Tinted Polystyrene
- ☐ Graduated in 0-90° Quadrants and 0-360° in 1/2° Increments
- ☐ Features Beveled Edges and Cut-Out Centers
- ☐ Manufactured in Accordance with CID A-A-52300

NUMBER	SIZE	STYLE
3547D	4"	Semi-Circular
3548D	6"	Semi-Circular
9381D	6"	Circular
3544D	8"	Circular
3545D	10"	Circular





☐ T-SQUARES

- ☐ 2-1/2" Wide Blade Made of Wood and Plastic
- ☐ Transparent Edges with Fixed Head
- ☐ Manufactured in Accordance with CID A-A-843C

PART NUMBER	BLADE LENGTH	
5272D	30"	
5938D	36"	

☐ LETTERING SETS

- □ Sets Include Scriber, Templates, Standard, Seven Reservoir Pens and Pen Holder
- ☐ Standard Pen Sizes from 0000-8
- ☐ Pencil Lead Holder and Ink Cartridge
- □ Packaged in Fitted Protective Case
- ☐ Manufactured in Accordance with CID A-A-52304

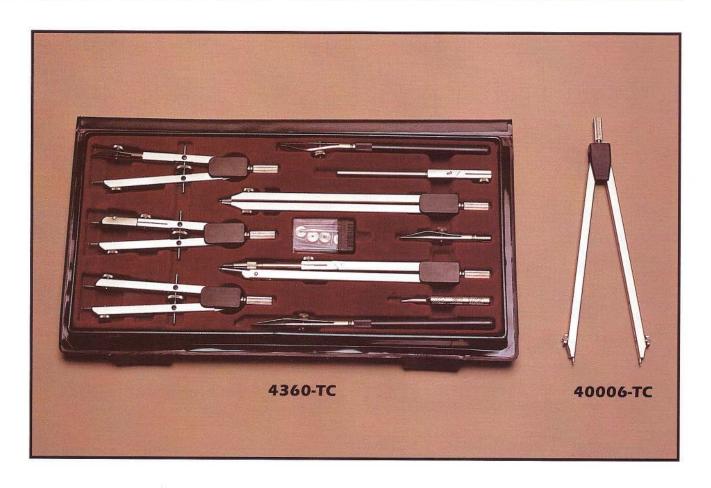
PART NUMBER	TEMPLATE COUNT	STANDARD PEN COUNT	GROOVED TEMPLATE HOLDER
1224D	8	10	No
1225D	8	10	Yes
8485D	11	11	No

☐ FRENCH CURVES

- ☐ Machined from Clear Acrylic Sheet
- ☐ Manufactured in Accordance with CID A-A-50213
- ☐ Thirty-Four Different Patterns Available by Special Order

PART NUMBER	PATTERN NUMBER
0221D	5





☐ DRAFTING INSTRUMENT SET

- ☐ Set Includes 4-3/4" and 5-3/4" Spring Blade Adjustable Ruling Pens
- ☐ 6" Pivot Compass with Pen, Pencil and Lengthening Bar
- □ 3-3/4" Bow Pencil, 4" Bow Divider, 6" Friction Divider
- ☐ Screwdriver, Lead Holder and Spare Leads and Spare Parts Holder
- ☐ Solid Brass Legs with Durable Satin Chrome Finish
- ☐ Supplied in Custom Fitted Case

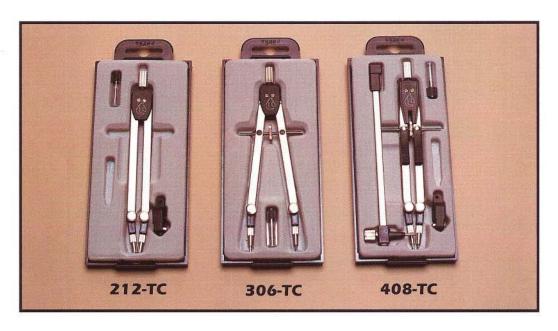
PART NUMBER	DESCRIPTION	
4360-TC	10 Piece Set	

☐ FRICTION DIVIDERS

- ☐ Solid Brass Legs with Durable Satin Chrome Finish
- ☐ Straight Leg Type with Helical Tooth Gears for Constant Load without Jamming

PART NUMBER	DESCRIPTION
40006-TC	6" Divider
40007-TC	7" Divider





- □ Solid Brass Legs with Durable Satin Chrome Finish
- ☐ Legs are Jointed for Increased Range
- □ Supplied in Custom Fitted Case, Complete with Spare Lead
- ☐ Spare Points Available by Special Order for Compass-Divider Conversion

STANDARD FRICTION COMPASSES

NUMBER	DIAMETER	DESCRIPTION
211-TC	1/16"-14"	Compass Only
212-TC	1/16"-14"	Compass with Pen Adapter
213-TC	1/16"-24"	Compass with Pen Adapter & Lengthening Arm

☐ FINE-ADJUST COMPASSES

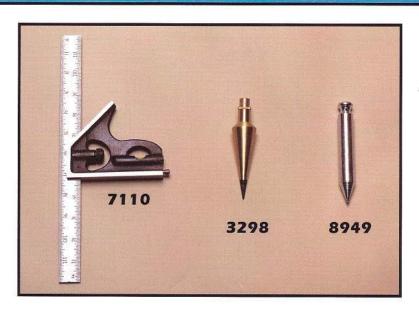
NUMBER	DIAMETER	DESCRIPTION
306-TC	1/16"-12"	Compass Only
307-TC	1/16"-12"	Compass with Pen Adapter
308-TC	1/16"-24"	Compass with Pen Adapter & Lengthening Arm

☐ "SPEED BOW" COMPASSES

NUMBER	DIAMETER	DESCRIPTION
406-TC	1/16"-12"	Compass Only
407-TC	1/16"-12"	Compass with Pen Adapter
408-TC	1/16"-24"	Compass with Pen Adapter & Lengthening Arm

PEC.

CARPENTRY TOOLS



□ CARPENTER'S SQUARE

- ☐ All Blades Tempered
- □ Durable, Easy to Read Chrome Finished Blades
- ☐ High Contrast Blade Graduations
- ☐ Square/Miter Head Features Level Vial and Hardened Scribe Tool
- ☐ Heads Supplied with a Hammertone Powder-Coat Finish...The Ultimate

NUMBER	LENGTH	GRADUATIONS	WIDTH	
7110	12"	8ths,16ths & 16ths, 32nds	1"	

☐ BRASS PLUMB BOBS

- ☐ Surveyor Type Used for Accurately Centering and Establishing Perpendicular Lines
- ☐ Polished Brass Body with Replaceable Brass Head
- □ Detachable, Hardened, Replaceable Steel Tip
- ☐ Includes 7' Nylon Cord
- ☐ Manufactured in Accordance with Federal Specification GGG-P-501

NUMBER	WEIGHT	LENGTH
3298	6 oz	4-1/2"
3299	8 oz	5"

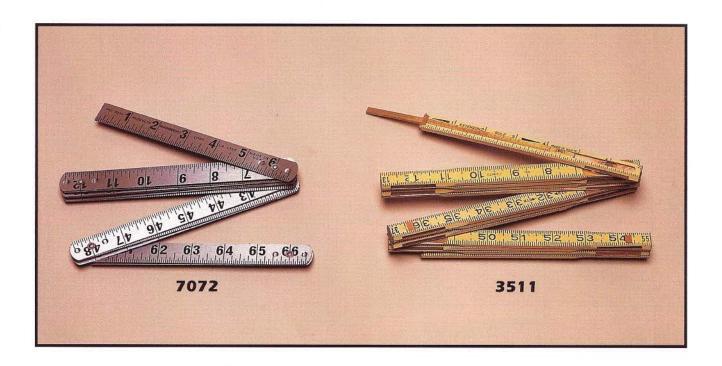
☐ STEEL PLUMB BOBS

- ☐ Solid Steel Type with Tapered Point
- ☐ Features Hole for Cord (cord not included)
- ☐ Corrosion Resistant Coating

NUMBER	WEIGHT	LENGTH
8949	8 oz	5"
8792	12 oz	5-1/2"

FOLDING RULES





☐ STEEL FOLDING RULES

- ☐ Made of Hardened and Tempered Spring Steel
- ☐ Precisely Etched, then Black Filled for Readability
- ☐ Graduations in 1/16" Increments
- ☐ Conveniently Folds to 6" Length for Easy Fit into Shirt or Workclothes Pocket
- ☐ Joints Operate Smoothly and Hold Securely in Extended Positions

PART NUMBER	DESCRIPTION		
7036	3 Foot Folding Rule in 6" Segments		
7072	6 Foot Folding Rule in 6" Segments		

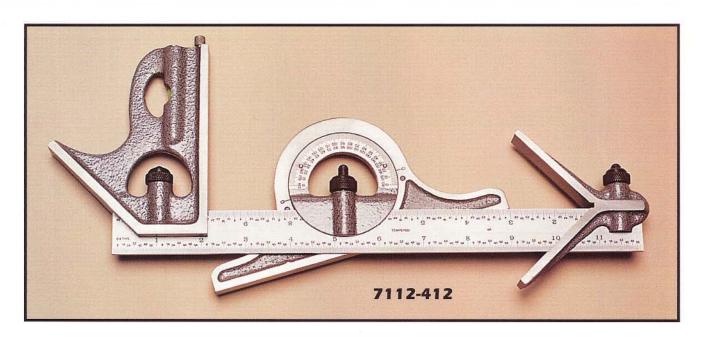
■ WOOD FOLDING RULES

- ☐ Features Multiple Folding Sections
- Metal Joint Plates and Tempered Springs Hold Each Section in Open or Closed Positions
- □ 1/16" Graduations on Both Edges and Sides
- ☐ Choose Either with or without 6" Graduated Brass Extension Slide

NUMBER	LENGTH	STYLE
3393	72"	Without Slide
3511	72"	With Slide



ECONOMY COMBINATION SQUARES



☐ ECONOMY COMBINATION SQUARES

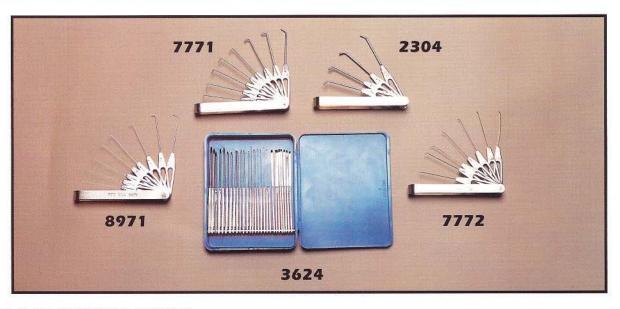
- □ Square/Miter Head Features Level Vial and Hardened Scribe Tool
- ☐ Supplied with Non-Reversible (Half-Body) Protractor
- ☐ Protractor Scale Graduated from 0-180° in Both Directions
- ☐ Heads Supplied with a Hammertone Powder-Coat Finish...The Ultimate

PART NUMBER	DESCRIPTION	GRADUATIONS
7112-212	2 Pc (Blade & Miter Head)	8ths,16ths & 16ths,32nds
7112-312	3 Pc (Blade, Miter Head & Center Head)	8ths,16ths & 16ths,32nds
7112-412	4 Pc (Blade, Miter Head, Center Head & Protractor)	8ths,16ths & 16ths,32nds



GAP SETTING GAGES



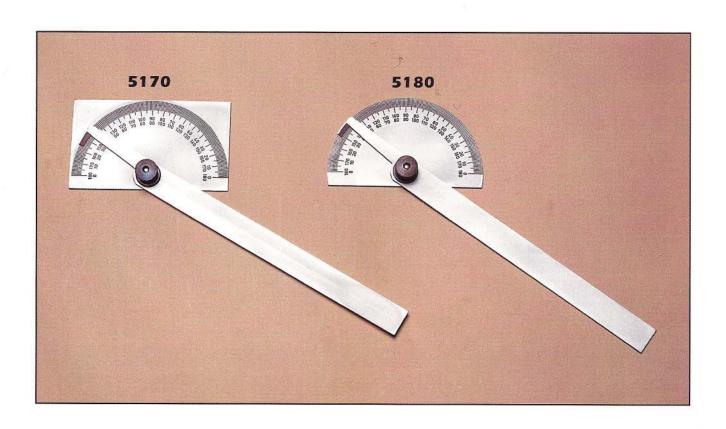


☐ GAP SETTING GAGES

		PAI	RT NUMB				
SIZE	8971	7771	2304	7772	3624	STYLE	
.006"						Tempered Steel Pin	
.008"						Tempered Steel Pin	
.010"		The said				Tempered Steel Pin	
.012"						Tempered Steel Pin	
.015"						Tempered Steel Pin	
.018"				1		Tempered Steel Pin	
.020"		WE .				Tempered Steel Pin	
.025"						Tempered Steel Pin	
.030"						Tempered Steel Pin	
.035"						Tempered Steel Pin	
.037"						Tempered Steel Pin	
.040"						Tempered Steel Pin	
.042"						Tempered Steel Pin	
.045"						Tempered Steel Pin	
.050"						Tempered Steel Pin	
.055"						Tempered Steel Pin	
.060"						Tempered Steel Pin	
.065"						Tempered Steel Pin	
.070"						Tempered Steel Pin	
.075"						Tempered Steel Pin	
.080"						Tempered Steel Pin	
.002"		1				Tempered Steel Blade	
.002"						Brass Blade	
.003"						Tempered Steel Blade	
.004"						Tempered Steel Blade	
.005"						Tempered Steel Blade	
.006"						Tempered Steel Blade	
.007"						Berylium Copper Blade	
.010"						Tempered Steel Blade	



PROTRACTORS



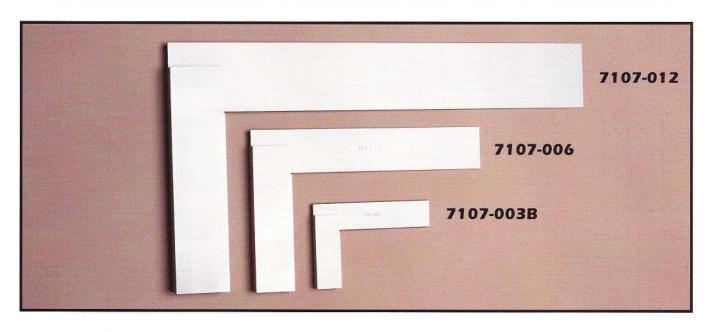
☐ PROTRACTORS

- ☐ Measures Angles from 0-180°
- ☐ Used for Drawing Radial Lines, Transferring Angles and Setting Bevels
- ☐ Head Measures 3-5/16" x 2"
- ☐ Features 6" Arm and Knurled Thumb Lock Nut
- ☐ Blade Secured Firmly by Lock Nut at Any Angle
- ☐ Made of Tempered Steel with Satin Chrome Finish

NUMBER	STYLE	DESCRIPTION
5170	Rectangle	Supplied with 6" Arm
5180	Semi-Circle	Supplied with 6" Arm
5190	Rectangle	Supplied with 6" Graduated Rule

INSPECTION SQUARES





☐ INSPECTION GRADE SQUARES

- ☐ Made from High Quality Tool Steel
- ☐ Have True Right Angles Inside and Outside
- ☐ Beams and Blades are Precision Ground and Hardened
- ☐ Length of Blade is Measured from Inner Edge of Beam to End of Blade
- ☐ Extremely Accurate for Precision Set-ups
- ☐ Supplied in a Protective Wood Case

PART NUMBER	SIZE	STYLE
7107-003B	3"	Beveled
7107-006	6"	Square
7107-012B	12"	Beveled
7107-012	12"	Square





TOOL KITS



☐ TOOL KITS

- ☐ Supply a Wide Variety of Tool Kits for Mechanics, Carpenters, Electricians, Telephone Repair, Masonry, etc.
- ☐ All Items Manufactured by Quality, Reputable Companies
- Our Engineers Can Help Design Any Kit for Your Needs
- ☐ Many Kits Approved by U.S. Government and General Services Administration
- Our Facilities Include Extensive Test Laboratory and Qualified Inspection Personnel



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