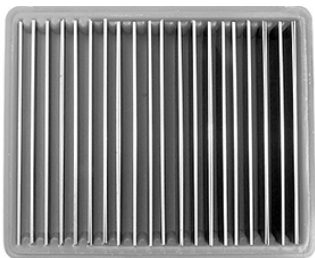


PARALLEL SETS

C

1/32" PARALLEL SET



- Length: 6"
- Parallelism: $\pm .0001$ "
- Paired $\pm .0001$ " in height.
- Hardness: RC 50-55
- Thickness: 1/32"
- Made from fine quality tool steel, stress relieved against distortion, precision ground, hardened and blue finished.

Part Number	Price
A-3900-3032	\$59.00



ECONOMY 1/8" PARALLEL SET

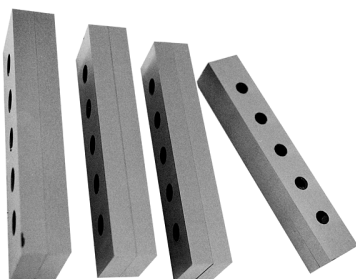
FEATURES:

- Made from high quality tool steel
- Stress relieved against distortion
- Precision ground and hardened
- 1/8" thick with 2 holes in each parallel
- 10 pairs, 6" Length
- Heights: 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2" and 1-5/8"
- Complete with durable fitted plastic case



Description	Length	Part Number	Price
10 Pair Set	1/8" W X 6" L	A-3900-3010	\$54.00

ECONOMY 1/4" PARALLEL SET



- Made from high quality tool steel
- Stress relieved against distortion
- Precision ground and hardened
- Ideal for layout work and set-ups
- 9 pairs, 1/4" thick, 6" Length
- Heights: 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-5/8" and 1-3/4"
- Parallel to 0.0003 on top & bottom
- Complete with durable fitted plastic case

Description	Length	Part Number	Price
9 Pair Set	1/4" W X 6" L	A-3900-3009	\$89.00

1/8" PARALLEL SET



- Made from high-grade alloy steel, hardened and ground from 1/8" stock with 2 holes in each parallel.
- 10 pairs, 6" Length, 1/8" Width, Heights: 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-5/8"
- Absolute heights are nominal.

FOW-P52-437-000: Parallel within .0008" each pair, Heights matched within $\pm .001$ " each pair
FOW-P52-437-125: Parallel within .0001" each pair, Heights matched within $\pm .0001$ " each pair

Includes "Shop Hardened" Molded Case!

Length	Part Number	Price
1/8" W X 6" L	FOW-52-437-000	\$170.00
	FOW-52-437-125	\$298.83

1/4" PARALLEL SET



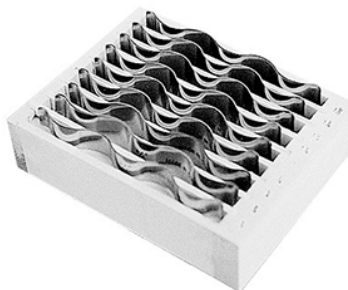
- Made from high-grade alloy steel, hardened and ground from 1/4" stock with 2 holes in each parallel.
- 9 pairs, 6" Length, 1/4" Width 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-5/8", 1-3/4"
- Height specifications relate to consistency within each pair.
- Absolute heights are nominal.



Accuracy:
 Parallelism $\pm .0002$ "
 Paired in height $\pm .0002$ "
 Hardness 52-58HRC.

Length	Part Number	Price
1/4" W X 6" L	FOW-52-437-250	\$366.44

WAVY PARALLEL SET

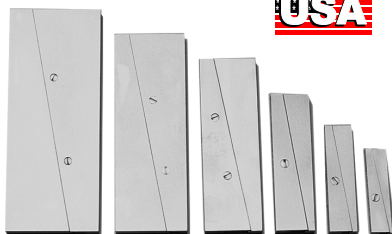


- For precision clamping of parts in drilling, boring, milling, grinding, and assembly work
- Can readily be used as elastic shims
- Thin and fragile workpieces can be secured without damage by utilizing the spring pressure of these parallels.
- Made of high quality spring steel, hardened, stress relieved and precision ground.
- Fitted case.

Accuracy
 +/- 0.0002"
 in Height & Parallelism

Range	Part Number	Price
1/2" - 1-1/2"	A-3900-2909	\$53.00

ADJUSTABLE PARALLELS



- Two precision ground pieces
- Locked into position by set screws
- Can be quickly inserted into openings and expanded to exact size, then measured with a micrometer
- Supplied with screwdriver
- Made in USA

Description	Part Number	Price
6 Pc Adjustable Parallel Set	PEC-S-112-6	\$98.24

STEEL PARALLELS



- Hardened and ground to close limits on four sides
- For inspection and layout work for various setups on drill presses, milling and grinding machines, shapers, etc.
- 6" length
- Sold in pairs



Length	Thickness	Width	Part Number	Price
6"	1/8"	1"	STR-51445	\$111.00
	3/16"	7/8"	STR-51447	\$111.00
	1/4"	3/4"	STR-51449	\$117.00
	3/8"	1/2"	STR-51451	\$117.00

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VICE JAWS
VICE ACCESSORIES

STRAIGHT SHANK
COLLET HOLDERS

TAP HOLDERS
DRILL CHUCKS

CARBIDE INSERTS
THREADING/GROOVING

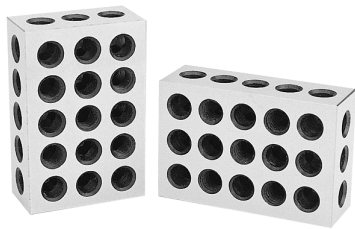
CUTTING TOOLS
MACHINERY

PRECISION TOOLS
DEBURRING

COOLANT/FLUIDS
TOOL STORAGE

1-2-3 BLOCKS/V-BLOCKS

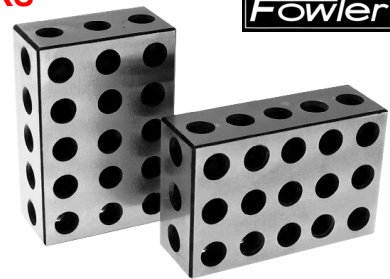
PRECISION 1-2-3 & 2-4-6 BLOCK SETS



- Heat treated and case hardened to HRC 55-60
- Precision ground on all 6 sides of block
- Accuracy: within .0001" per inch
- 23 holes consists of 5 tapped (3/8"-16) for clamping and 18 untapped holes drilled
- Sold as matched pairs

Description	Part Number	Price
1-2-3 Block Set	A-3402-0005	\$21.50
2-4-6 Block Set	A-3402-0510	\$125.00

1-2-3 & 2-4-6 BLOCKS



- 31 holes for easy clamping
- Sold in pairs
- Useful in layout & grinding work
- Accuracy: .0002"
- Matched Accuracy: .0002"

Description	Part Number	Price
1-2-3 Blocks	FOW-52-439-031	\$62.00
2-4-6 Blocks	FOW-52-439-246	\$140.00

PREMIUM 1-2-3 BLOCKS



- Case hardened (HRC 55-60)
- Squareness on all sides to .0001"
- 23 holes for easy clamping
- Useful in layout & grinding work
- Complete with "Shop Hardened" molded case

Description	Part Number	Price
Premium 1-2-3 Blocks	FOW-52-439-032	\$72.00

ECONOMY V-BLOCKS



- 90° V-groove- accuracy is central, parallel and square
- All surfaces within 0.0003"
- Case is hardened and ground
- Includes clamps
- Sold in matched pairs

Capacity	Dimensions (WxHxL)	Part Number	Price
1"	1-1/4" x 1-1/4" x 1-5/8"	A-3402-0951	\$57.00
1-1/2"	1-5/8" x 1-3/4" x 2-3/4"	A-3402-0953	\$70.00
2-1/8"	2-1/8" x 3-1/2" x 4-7/8"	A-3402-0955	\$190.00

V-BLOCK SET



- 2 each @: 1-1/2" L x 1-1/4" W x 1-1/4" H. Work capacity: Approximately 1"
- 2 each @: Dimensions: 2" L x 1-1/2" W x 1-1/2" H. Work capacity: 1-1/2"

All Blocks Feature:

- 2 clamps
- Surfaces are square and parallel within .0005"
- V-grooves are square and parallel with all surfaces within .0005"
- Corresponding dimensions for each pair are alike within .0005"
- All enclosed in shop-hardened case



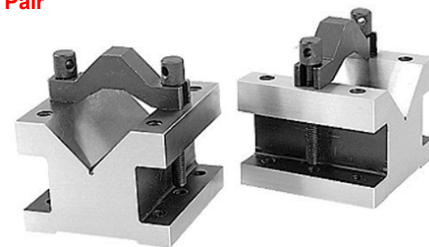
Part Number	Price
FOW-52-475-500	\$118.00

V-BLOCK & CLAMP SET



Supplied In A Matched Pair

- Guaranteed square parallel within .0002"
- Hardened and ground to RC 58-60
- 90° V-blocks
- Supplied in a matched pair
- Supplied with bolts and clamps in wooden case



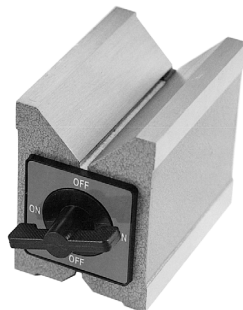
Length	Width	Height	V Cap.	Part Number	Price
1-3/8	1-3/8	1-3/16	1-9/32	A-3402-0001	\$55.00
2-3/8	2-3/8	2	1-3/16	A-3402-0002	\$79.00
4-1/8	4-1/8	3-1/16	2-9/16	A-3402-0003	\$165.00

MAGNETIC V-BLOCKS

With Switch



- Precision ground finished working surfaces
- Ideal for scribing, grinding, measuring and machining round or irregular shape items
- On/Off switch
- Two-centered 90° vees
- Power pull: 250 lbs

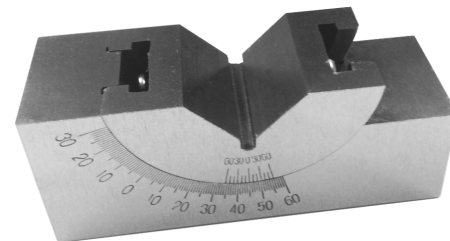


Dimensions	Power Pull	Part Number	Price
3.75 H x 2.75 W x 3" L	130 lbs	A-3402-0990	\$83.00
3.75 H x 2.75 W x 4" L	250	A-3402-0901	\$94.00
3.75 H x 2.75 W x 5" L	275	A-3402-0992	\$130.00

0-60° ANGLE BLOCKS



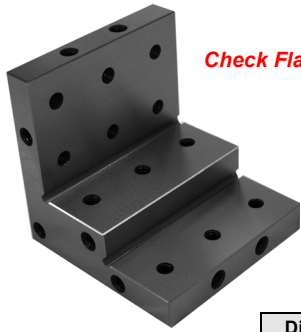
- 0-60° Precision Angle Block
- For drilling, milling, and set up applications
- Angle is adjusted from 0-60° by locking the hex screw on the bottom of block
- Squareness is -0.0002".
- Angle accuracy is ±10'.
- Hardness is HRC 50-55



Dimensions	Part Number	Price
1-1/4 H x 1" W x 3" L	A-3402-0010	\$70.00
1-13/16 H x 1-3/16 W x 4" L	A-3402-0011	\$75.00

Call Us Today For All Of Your Machine Tool Needs!

ANGLE PLATES



Check Flatness, Squareness And Parallelism!

- Manufactured from a single piece of hardened tool steel
- Precision ground, square and parallel
- Flatness: within .0002"
- 24 tapped holes (1/4"-20 thread) for clamping work and fastening fixtures to plate

Dimensions	Part Number	Price
3" x 3" x 3"	PLT-333	\$35.00

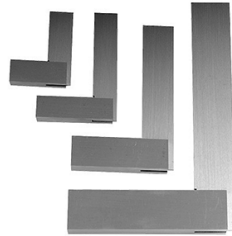
10 PIECE ANGLE BLOCK SET



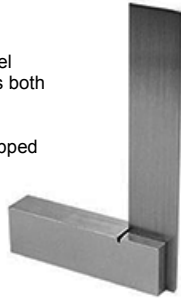
- Block Size: 3" length x 1/4" thickness
- Simple, quick angle set ups
- Made of hardened tool steel
- Precision ground
- Accuracy: +.0001 per inch
- Includes 1, 2, 3, 4, 5, 10, 15, 20, 25 & 30° angles
- Supplied with fitted case

10 Pc Angle Block Set
Part # A-3402-0015
\$54.00

MACHINIST STEEL SQUARES



- Crafted from tool steel
- Accurate right angles both inside and out
- Fully hardened
- Beam ground and lapped



Size	Part Number	Price
4" x 3"	MSQ-4X3	\$15.93
2", 3", 4" & 6"	MSQ-SET4	\$36.25

12 PIECE ANGLE BLOCK SET



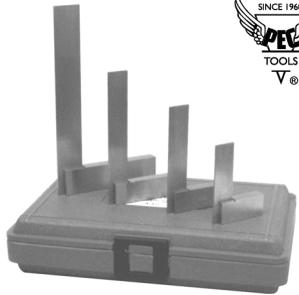
FEATURES:

- Precision ground hardened steel.
- Angular accuracy .0001" per inch, + or - 30 arc seconds.
- 3" long x 1/4" thick.
- Simple, quick angle set-ups.
- Eliminates calculations and avoids errors.
- Complete set of 12 blocks: 1/4°, 1/2°, 1°, 2°, 3°, 4°, 5°, 10°, 15°, 20°, 25°, 30°.

Part Number	Price
FOW-53-666-000	\$127.20

SQUARE SETS

- Made of the finest carbon tool steel, these economy squares have true right angles both inside and outside.
- Beams and blades ground and lapped for straightness and parallelism.
- Hardened blade.
- Beam grooved at inner corner for clearance of burrs and dirt.
- Complete in a shop-hardened molded case.



Set Includes	Part Number	Price
4 Squares: 2", 3", 4" & 6"	PEC-7000-S4	\$56.16
4 Squares: 4", 6", 9" & 12"	PEC-7000-S5	\$136.11



PROTRACTORS

- Measures angles from 0-180°
- Head measures 3-5/16" x 2"
- Blade secured firmly by lock nut at any angle
- Made of tempered steel with satin chrome finish
- Used for drawing radial lines, transferring angles and setting bevels



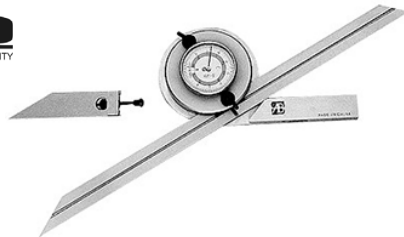
Style	Description	Part Number	Price
Rectangle	6" Arm	PEC-5170	\$25.65
Semi-Circle	6" Arm	PEC-5180	\$23.68
Rectangle	6" Graduated Rule	PEC-5190	\$27.49



UNIVERSAL DIAL PROTRACTOR SET



- Measuring value can be read on dial indicator.
- Inspection window reads a full 360° with four 0-90° sections.
- Hardened stainless steel construction throughout this tool.
- It can be used as a ruler, straight edge, cross or miter square.
- Blades are beveled at 45° on one side and 60° on the other side.
- Blade Length: 6, 8-1/2, 12"

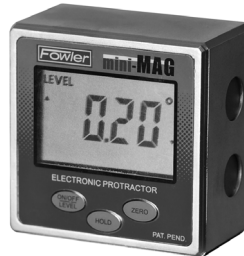


Dial Protractor Set
Part # A-4901-0001

\$85.00

MINI-MAG DIGITAL PROTRACTOR

The NEW mini-MAG Protractor provides instant 360° digital inclination display of any angle with the additional unique feature of embedded magnets on both sides and the bottom which make it ideal for a variety of measurements.



- Embedded magnets with 35lb. pull.
- Uses standard 9V battery (250 hrs.)
- Measuring range: 360° (4 x 90°)
- Display inverts, hold feature
- Resolution: .05° Accuracy: ±.2°
- Repeatability: .05°
- Dimensions: 2.375"L x 1.375"W x 2.375"H

Mini-Mag Protractor
Part # FOW-54-422-4501

\$103.65

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