

## Precision Parallels & Sets Hardened & Ground

### 1/8"10 Pair Parallel Set

Made of high grade alloy steel, hardened and ground. Two holes in each set for easier handling and greater versatility for setups.

- All 6"Length
- Accuracy: .0002"Parallelism in height. ± .0002"to size in height.
- Hardness:55-62 HRC



Plastic case  
PS-1/8

Model No.	Dimensions	Hole Size	Model No.	Dimensions	Hole Size
P-18/12/6	1/8 x 1/2 x 6"	13/64"	P-18/118/6	1/8 x 1-1/8 x 6"	3/8"
P-18/58/6	1/8 x 5/8 x 6"	1/4"	P-18/114/6	1/8 x 1-1/4 x 6"	3/8"
P-18/34/6	1/8 x 3/4 x 6"	5/16"	P-18/138/6	1/8 x 1-3/8 x 6"	7/16"
P-18/78/6	1/8 x 7/8 x 6"	5/16"	P-18/112/6	1/8 x 1-1/2 x 6"	1/2"
P-18/1/6	1/8 x 1 x 6"	5/16"	P-18/158/6	1/8 x 1-5/8 x 6"	1/2"

### 1/4" 9 Pair, 1/2" 8 Pair Parallel Set

Made of high quality alloy steel, hardened and ground to better than 16 Micro-Finish.

Two holes in each parallel for easier handling and greater versatility for set-ups.

- All 6"Length
- Accuracy: .0002"Parallelism in height. ± .0002"to size in height.
- Hardness:55-62 HRC



Plastic case

8 Pair Set : PS-1/2 x 8  
9 Pair Set : PS-1/4

Model No.	Dimensions	Hole Size	Model No.	Dimensions	Hole Size
P-12/78/6	1/2 x 7/8 x 6"	5/16"	P-14/34/6	1/4 x 3/4 x 6"	5/16"
P-12/1/6	1/2 x 1 x 6"	5/16"	P-14/78/6	1/4 x 7/8 x 6"	5/16"
P-12/118/6	1/2 x 1-1/8 x 6"	3/8"	P-14/1/6	1/4 x 1 x 6"	5/16"
P-12/114/6	1/2 x 1-1/4 x 6"	3/8"	P-14/118/6	1/4 x 1-1/8 x 6"	3/8"
P-12/138/6	1/2 x 1-3/8 x 6"	7/16"	P-14/114/6	1/4 x 1-1/4 x 6"	3/8"
P-12/112/6	1/2 x 1-1/2 x 6"	7/16"	P-14/138/6	1/4 x 1-3/8 x 6"	7/16"
P-12/158/6	1/2 x 1-5/8 x 6"	1/2"	P-14/112/6	1/4 x 1-1/2 x 6"	7/16"
P-12/134/6	1/2 x 1-3/4 x 6"	1/2"	P-14/158/6	1/4 x 1-5/8 x 6"	1/2"
			P-14/134/6	1/4 x 1-3/4 x 6"	1/2"

### Wavy Parallel Set

Features:

- Economical, simple and easy to use in precision clamping of parts in drilling, boring, milling, grinding, assembly work, etc.
- 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.
- Guaranteed to size in height and parallelism .0002"/0.005mm.



PSM-W1

Metric 8 pair set

Inch 9 Pair Set

Model No.	Range
PSM-W1	9-23mm (by 2mm)
PSM-W2	25-39mm (by 2mm)

Model No.	Range
PS-W	1/2 to 1-1/2" (by 1/8")

### 4 Pair Parallel Set

Made from fine quality tool steel stress-relieved against distortion, precision-ground and hardened. These precision parallels are recommended for layout work, standards and setups. The holes are designed for easier handling and setups.

- All 6"Length
- Accuracy: .0002"Parallelism in height. ± .0002"to size in height.
- Hardness:55-62 HRC



Plastic case

Matched Pairs 4 Pair Sets

Model No.	Dimensions	Model No.	Dimensions	Model No.	Dimensions
P-316/1/6	3/16 x 1.000 x 6"	P-12/1/6	1/2 x 1.000 x 6"	P-316/1/6	3/16 x 1.000 x 6"
P-316/125/6	3/16 x 1.250 x 6"	P-12/125/6	1/2 x 1.250 x 6"	P-316/125/6	3/16 x 1.250 x 6"
P-316/15/6	3/16 x 1.500 x 6"	P-12/15/6	1/2 x 1.500 x 6"	P-12/15/6	1/2 x 1.500 x 6"
P-316/175/6	3/16 x 1.750 x 6"	P-12/175/6	1/2 x 1.750 x 6"	P-12/175/6	1/2 x 1.750 x 6"
PS-3/16	4 Pair Set	PS-1/2	4 Pair Set	PS-3/16-1/2	4 Pair Set

### Ultra Thin 1/32", 20 Pair Super Precision Parallel Set

1/2" thru 1-11/16" heights in 1/16" increments.  
• All are 6" long and only 1/32" thick!

Features:

- Parallelism: .0002"
- Paired .0002" in height.
- Tolerance of size: ± 0.0002"
- Hardness: 50 HRC.

Set includes: 20 pairs.

1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4", 1-5/16", 1-3/8", 1-7/16", 1-1/2", 1-9/16", 1-5/8", 1-11/16".

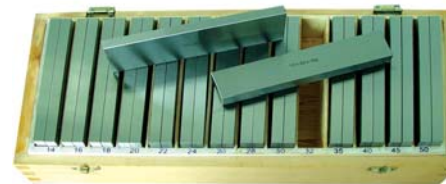


Plastic case  
Model No.: PS-1/32

### Metric Precision Parallel Sets

Parallels to position and layout workpieces in e.g. clamping jaws for drilling, grinding, milling and measuring. The workpieces and assemblies can easily be set up to the desired working height.

- Parallelism: 0.005mm.
- Size deviation: ± 0.01mm.
- Hardness: 55-62 HRC
- Delivery in a wooden case.



PMS-14/150

Model No.	Dimensions (mm) L x T x H (Length x Thickness x Height)	Pairs per Set
PMS-12/125	125 x 10 x 14, 16 to 32 by 2, 35, 40	12
PMS-14/125	125 x 10 x 14 to 32 by 2, 35, 40, 45, 50	14
PMS-24/125	125 x 8 x 11 to 36, 10 x 13 to 38, 12 x 15 to 40, 14 x 17 to 42 by 5	24
PMS-12/150	150 x 10 x 14, 16 to 32 by 2, 35, 40	12
PMS-14/150	150 x 10 x 14 to 32 by 2, 35, 40, 45, 50	14
PMS-24/150	150 x 8 x 11 to 36, 10 x 13 to 38, 12 x 15 to 40, 14 x 17 to 42 by 5	24

\*Individual size is available

### 6PC Adjustable Parallels Set

Adjustable parallels can adjust nominal size and be in common use for fixing, working, checking of work pieces

Model No.	Range	Length
PSADJ-A	3/8-1/2"	1-3/4"
PSADJ-B	1/2-11/16"	2-1/8"
PSADJ-C	11/16-15/16"	2-11/16"
PSADJ-D	15/16-1-5/16"	3-9/16"
PSADJ-E	1-5/16-1-3/4"	4-3/16"
PSADJ-F	1-3/4-2-1/4"	5-1/16"
PSADJS-6	(includes above 6 size)	



PSADJS-6

### 10 PC, 12PC Angle Block Set

Features:

- Simple, quick angle set-ups.
- Eliminates calculation, avoids errors.
- Lightly magnetized for better holding.
- Manufactured of steel, hardened, stabilized and ground.
- Size: 3" long x 1/4" thick
- Accuracy: .0001" per inch, ± 20 arc seconds.
- Oil-hardened steel, precision ground.
- AB-10 includes: 1°, 2°, 3°, 4°, 5°, 10°, 15°, 20°, 25°, 30°
- AB-12 includes: AB-10 & 1/4°, 1/2°



Model No.: AB-10

### 17 PC Angle Block Set

- Provides quick set-ups for angles from 1/4° to 45°
- Eliminates time dressing angles.
- Made from hardened steel.
- Supplied in a fitted wood case.
- Accuracy: .0003", ± 20 arc seconds.
- Complete set of 17 Blocks: 1/4°, 1/2°, 1°, 2°, 3°, 4°, 5°, 10°, 15°, 20°, 25°, 30°, 35°, 40°, 45° and 2 riser blocks.



Model No.: AB-17

### Solid Angle Plate

Features:

- Hardened and ground steel.
- Precisely ground angles for convenient setups in tooling, production and inspection.
- 4-11/32" holes for easy mounting.
- Supplied in fitted case.

Model No.	Angle(°)	Size
ABI-45/90	45/45/90	3 x 3 x 5/16"
ABI-30/60	30/60/90	2 x 3 x 3/8 x 5/16"
AB-2	2 Piece Set	

- Accuracy ± 10'



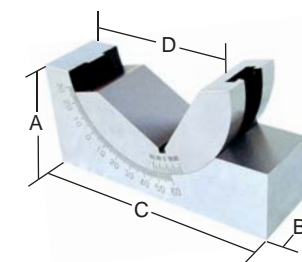
AB-2

### 0° - 60° Precision Angle Block

Specifications:

- Offers a 0-60° adjustable angle by locking the hex screw on the bottom.
- Squareness: .0002"
- Angle accuracy: ± 10 seconds.
- HRC: 50° - 55°
- Fast, easy to use for drilling, milling and setup applications.
- 90° "V"

Model No.	Dimensions			
	A	B	C	D
AB60S-1	1.25"	1.00"	3.00"	1.00"
AB60S-2	1.89"	1.125"	4.00"	1.925"
AB60S-3	1.89"	1.75"	4.00"	1.925"



### Cast Iron V-blocks

- Supplied in pairs.
- Made from high quality castings, properly seasoned against distortion.
- Blocks are accurately machined square and parallel.



Model No.	Length of Block	Width of Vee	Height of Block	Thickness of Block	Approx. Weight
VBC-2	2"	1"	1-1/4"	15/16"	1Lbs.
VBC-3	3"	1-1/4"	2-3/8"	1-3/4"	2Lbs.
VBC-4	4"	1-5/8"	2-5/8"	2"	5Lbs.
VBC-5	5"	2"	3-1/8"	2-5/8"	9Lbs.
VBC-6	6"	2-3/8"	3-1/2"	3-3/4"	13Lbs.
VBC-7	7"	3"	4-1/2"	3-3/4"	26Lbs.
VBC-8	8"	4"	5-1/2"	4-1/2"	46Lbs.
VBC-10	10"	6"	6-1/2"	5"	76Lbs.
VBC-12	12"	6-1/2"	8"	7"	135Lbs.

### Precision V-block Sets

- Two reversible swing-away clamps provided per set.
- Clamps to almost any work surface.
- Parallel, square are centered within .0002".
- 90° V-block
- Completely hardened and ground tool steel
- Wooden case



Model No.	Length	Width	Height	Vee Capacity
VB-1	1-3/8"	1-3/8"	1-3/16"	1-19/32"
VB-2	2-3/8"	2-3/8"	2"	1-3/16"
VB-3	4-1/8"	4-1/8"	3-1/16"	2-9/16"

### Double V Slot Block Set

Features:

- All sides are ground square and parallel to each other.
- Sturdy enough to be used in machining operation.
- Matched accuracy .0002".
- Precision ground, matched and numbered in pairs.
- 90° V-block
- Completely hardened and ground tool steel
- Wooden case



VB2-2

Model No.	Length	Width	Height	Vee Capacity
VB2-1	1-3/4"	1-5/8"	1-3/8"	1"
VB2-2	2-3/4"	1-3/4"	1-5/8"	1-1/2"
VB2-3	2-3/4"	2-1/2"	1-3/4"	1-1/2"
VB2-4	4-7/8"	3-1/2"	2-3/8"	2-1/8"

### V-Blocks And Clamps

- Stepped groove construction.
- Made of hardened steel in numbered pairs.
- Features clamps within grooves to permit use on sides.
- 2-1/2" long, 2-3/4" wide, 2" high.
- Work capacity approximately 2" diameter.
- V groove is 90° +.0000"-.0003".
- Corresponding dimensions for each pair are alike within .0003".



Model No.: VB-SV