

1-2-3,2-3-4 or 2-4-6 Blocks

- Precision ground and hardened on all sides.
- Ideal for mounting work for precision grinding and lay out.
- Feature 23 holes:5 are tapped 3/8-16,the other 18 are untapped.
- Dimension accuracy: 0.0001"~0.0007"
- Hardness HRC 56-60.
- Supplied in matched pair.



Specification	Parallelism	Desc.	Order No.
1-2-3"	±.0001"	1 hole	630-4005
1-2-3"	±.0001"	23 holes	630-4006
1-2-3"	±.0001"	No hole	630-4007
1-2-3"	±.0002"	No hole	630-4008
1-2-3"	±.0002"	1 hole	630-4009
1-2-3"	±.0002"	23 holes	630-4010
1-2-3"	±.0001"	11 holes	630-4011
25-50-75mm	±.0050mm	23 holes	630-4012
25-50-100mm	±.0050mm	23 holes	630-4013
50-100-150mm	±.010mm		630-4014
2-3-4"	±.0002"	23 holes	630-4016
2-4-6"	±.0005"	23 holes	630-4020

1-2-3 Block Set

- Squareness: 0.0001" .
- Parallelism: 0.0001" .
- Height accuracy in Pair:±/-0.0001".
- Hardness HRC 56-60.
- 5 piece 3/8"-16 socket head cap screws.
- 1 piece hex key.
- Supplied in plastic case.



Order No. 630-4000

Economy Sine Bars

- Hardened and ground.
- Center to center distance between center of rolls within .0003".
- Top parallel to bottom of rolls within .0002".
- Supplied with back plate.



Distance between Center of Rolls	Width	Order No.
2-1/2"	1"	647-9510
5"	1"	647-9512

3 Piece Inspection Sets

1-2-3 Blocks

- Five 3/8-16 Tapped holes are provided for clamping operations.
- Squareness of all side is within .0001".
- Parallel accuracy .0003".



2-1/2" or 5" Precision Sine Bar

- Accurate to .004" on parallelism.
- Hardened and ground.
- Wide: 1"



Specification	No.of piece	Individual Order No.	Set Order No.
2-1/2" Sine bar	3Pcs/set	647-9510	630-4060
1-2-3 Blocks		630-4006	
5" Sine bar	3Pcs/set	647-9512	630-4062
1-2-3 Blocks		630-4006	

17 Pc. Angle Block Set

- Provides quick set-up for angles from 1/4° to 45°.
- Eliminates time dressing angles.
- Made from hardened steel.
- Supplied in a fitted wood case.
- Accuracy:0.0003"



Piece	Specification	Order No.
17Pcs/set	Set Includes: 1/4°, 1/2°, 1°, 2°, 3°, 4°, 5°, 10°, 15°, 20°, 25°, 30°, 35°, 40°, 45° & 2 riser blocks.	630-4275

Precision Angle Blocks & Sets

- Accuracy 0.0001" per inch.
- Furnished in 1° increments to 5° and 5° increments to 30°.
- Hardened and precision ground.
- Light magnetized for better holding.
- Size 3" long x 1/4" thick.



Size	Order No.	Size	Order No.	Size	Order No.
1/4°	630-0025	4°	630-4304	25°	630-4325
1/2°	630-0050	5°	630-4305	30°	630-4330
1°	630-4301	10°	630-4310	35°	630-4335
2°	630-4302	15°	630-4315	40°	630-4340
3°	630-4303	20°	630-4320	45°	630-4345
10Pcs/set, from 1° to 30°				630-4260	
12Pcs/set, from 1/4°,1/2°,1° to 30°				630-4261	

8 Pc. Universal Angle Block Sets

- An accurate and direct method for angle set up in production and inspections.
- Tolerance ±10 Sec. hardness HRC 45 to 50 HRC

Set includes:

3Pc. V-blocks: 10°, 15°, 30°.

5Pc. Angle blocks: 1°, 2°, 3°, 4°, 5°.



Piece	Specification	Order No.
8 Pcs/set	V- blocks : 4"L x 1-1/2" W x 1-1/2"H Angle blocks : 4"L x 1-1/2" W x 3/16"H	630-4270
8 Pcs/set	V-blocks: 3" L x 1-3/16" W x 1-3/16" H Angle blocks: 2-3/4" L x 1-3/16" W x 5/64" H	630-4265

V-Sine Bar with Clamp

- 5" Sine Bar
- Accurate to .0003"
- 1-1/4" wide
- Hardened and ground
- Include clamp
- 1" round capacity
- Parallelism.0004"



Order No. 647-9612

Thin Angle Block Sets

A economical and direct method for angle set-ups. Hardened and precision ground on working surfaces. Two 1/4 holes for mounting. 3-1/2" long, 5/32" thick.



Piece	Specification	Order No.
6Pcs/set	1/2°, 1- 5° by 1°	630-4258
5Pcs/set	6 -10° by 1°	630-4259
11Pcs/set	1/2 -10° by 1°	630-4251

Solid Angle Plates

- Hardened Steel
- Precision Ground Angles
- Each Block is 1/4" Thick



Specification	Angle	Order No.
3 x 3x 5/16"	45°/45°v/90°	418-4800
2 x 3-3/8 x 5/16"	30°v/60°/90°	418-4810
2Pcs/set,each one of above size		418-4820

Precision 0-60° Angle Blocks

- 0-60° adjustable angle by locking the hex screw on the bottom.
- Squareness: 0.0004"/0.01mm.
- Angle of Vee 90°.



Dimension	Order No.
1-3/16 x 1-7/8 x 4"(30 x 48 x 102mm)	418-4940
1-13/16 x 1-7/8 x 4"(46 x 48 x 102mm)	418-4950
7/8 x 1-1/4 x 3"(25 x 32 x 75mm)	418-4960

Precision Sine Angle Blocks

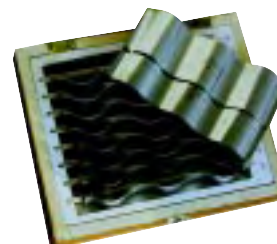
- 0-60° adjustable.
- 90°V Angle.
- Block Size: 4"x1-3/16"Wx2-1/4"H.
- Diameter of Roll: 5/8"
- Total Height of block (including rolls): 2-1/4"



Order No. 418-4941

9 Pair Wavy Parallel Sets

- Economical, simple and easy to use in precision clamping of parts in drilling, boring, milling, grinding, assembly work, etc.
- Ideal for clamping a group of flat work pieces.
- Guaranteed to size in height and parallelism ± 0.0002 in.
- Made of high-quality spring steel, hardened, stress-relieved and precision-ground.
- Thin and fragile work pieces can be secured without damage .



Individual Pairs

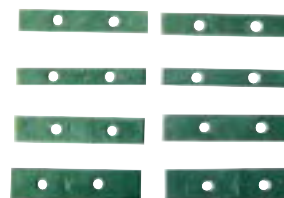
Size	Order No.	Size	Order No.
1/2"	637-7401	1-1/8"	637-7406
5/8"	637-7402	1-1/4"	637-7407
3/4"	637-7403	1-3/8"	637-7408
7/8"	637-7404	1-1/2"	637-7409
1"	637-7405		

Sets

Range	Description	Wooden Case Order No.
1/2"-1-1/2"	Set of 9 Pairs	637-7400
9-23mm	Set of 8 by 2mm	637-7451
25-39mm	Set of 8 by 2mm	637-7461

Economy Thin Parallel Sets

Useful for fast setting of work pieces to needed height in vise jaws. Made of hardened and precision ground steel.



Pairs	Specification	Length	Hole	Order No.
4Pairs/set	1/2", 5/8", 3/4", 7/8"	3-1/2"	1/4"	630-4257
5Pairs/set	1/2", 5/8", 3/4", 7/8", 1"	3-1/2"	1/4"	630-4255

6 Pc. Adjustable Parallel Sets

- Length range: 3/8" to 2-1/4" closed. Quickly adjustable, and locked with set screws for micrometer measurement.
- For layout inspection, stop work, set-up etc.

Individuals

Size	Order No.
3/8" to 1/2"	637-7561
1/2" to 11/16"	637-7562
11/16" to 15/16"	637-7563
15/16" to 1-5/16"	637-7564
1-5/16" to 1-3/4"	637-7565
1-3/4" to 2-1/4"	637-7566



Set

Order No. 637-7508