

## Magnetic Square Blocks with 1 Vee

Series AA-193

- ON and OFF switch, 'V' angle 120°
- Magnetic force on top surface & 'V' angle.
- Accuracy for Flatness, Parallelism and Squariness is within  $\pm 0.005$  mm.



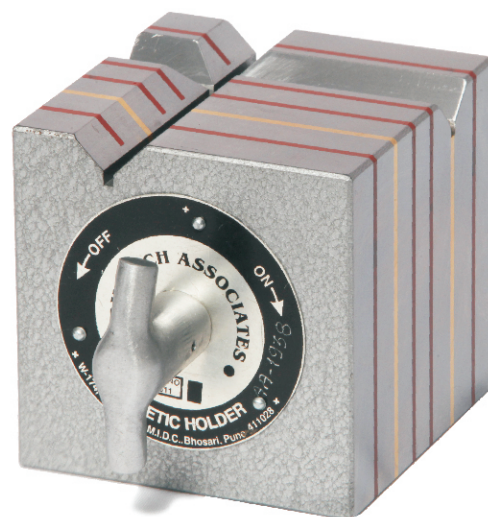
### Specifications:

Sr. No	Cat. No.	Clamping Range ( $\varnothing$ D)	Size in mm L X W X H	Magnetic Pull Kg.
1	AA-1935	8-75 mm	75 X 75 X 75	75
2	AA-1936	10-80 mm	100 X 100 X 100	100
3	AA-1937	10-110 mm	150 X 150 X 150	125

## Magnetic Square Blocks with 2 - Vee

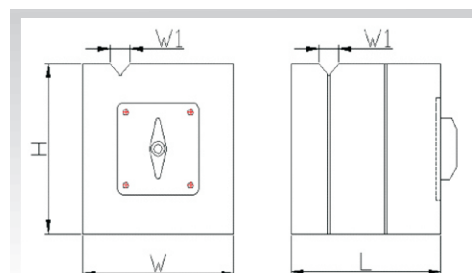
Series AA-193

- ON and OFF switch.
- Three faces Top, Bottom & Sides are magnetized.
- Accuracy for Flatness, Parallelism and Squariness is within  $\pm 0.005$  mm.



### Specifications:

Sr. No	Cat. No.	Width of 'V' (W1)	Size in mm L X W X H	Magnetic Pull Kg.
1	AA-1938	20 mm	100 X 100 X 100	75
2	AA-1939	20 mm	150 X 150 X 150	75





A Name With Magnetic Fame

[www.armatechassociates.in](http://www.armatechassociates.in)

## Magnetic 'V' Blocks

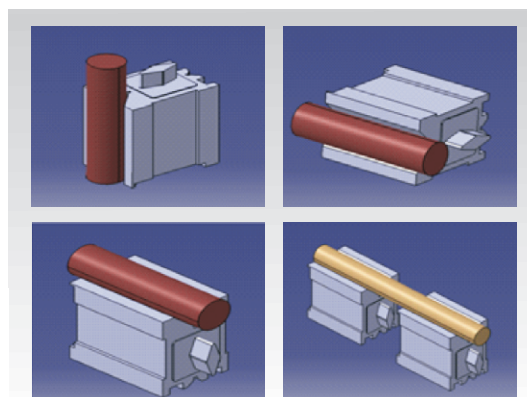
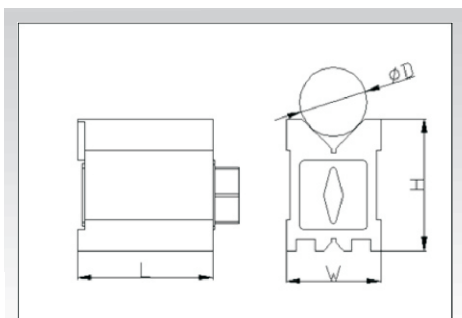
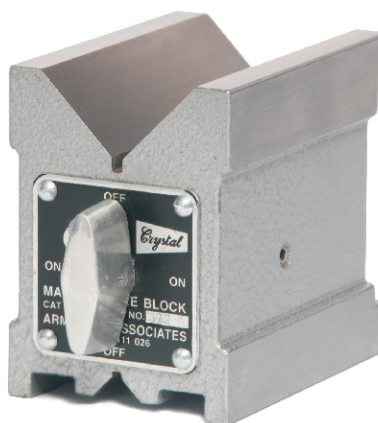
### Series AA-180



AA-1801

AA-1805

AA-1806



## Magnetic 'V' Blocks

### Series AA-180

- Accuracy for Flatness, Squarness & Parallelism within 0.005mm for 2", 3", 4", 6" & 0.010mm for 8" 'V' blocks.
- The main 'V' angle & the bottom holding surface are equipped with hardened HSS Blades that ensure extra wear resistance in hardened series.
- Uniform & Strong magnetic pull to all three magnetic surfaces that is top, bottom & two 'V' grooves.
- Hardness of 'V' face 58 HRC  $\pm$  2 HRC.
- 60°, 108°, 120° 'V' angles are also available.
- Easy ON-OFF facility.
- Used for Grinding, Light milling, Drilling & Inspection of Round & Square jobs.
- The magnetic system is shielded from penetration of moisture & cannot be damaged by coolants or other fluids.

### Specifications:

Sr. No	Cat. No.	Model	Clamping Range (Ø D)	Size in mm L X W X H	Pull Kg.
1	AA-1803 S	2" V Block [Soft]	3-25 mm	40 x 40 x 50	30
2	AA-1802 S	3" V Block [Soft]	5-40 mm	75 x 56 x 75	80
3	AA-1801 S	4" V Block [Soft]	5-65 mm	100 x 70 x 95	125
4	AA-1805 S	6" V Block [Soft]	5-70 mm	150 x 75 x 100	150
5	AA-1806 S	8" V Block [Soft]	10-140 mm	200x125 x150	200
1	AA-1803 H	2" V Block [Hardened]	3-25 mm	40 x 40 x 50	25
2	AA-1802 H	3" V Block [Hardened]	5-40 mm	75 x 56 x 75	75
3	AA-1801 H	4" V Block [Hardened]	5-65 mm	100 x 70 x 95	100
4	AA-1805 H	6" V Block [Hardened]	5-70 mm	150 x 75 x 100	125
5	AA-1806 H	8" V Block [Hardened]	10-140 mm	200x125 x150	175

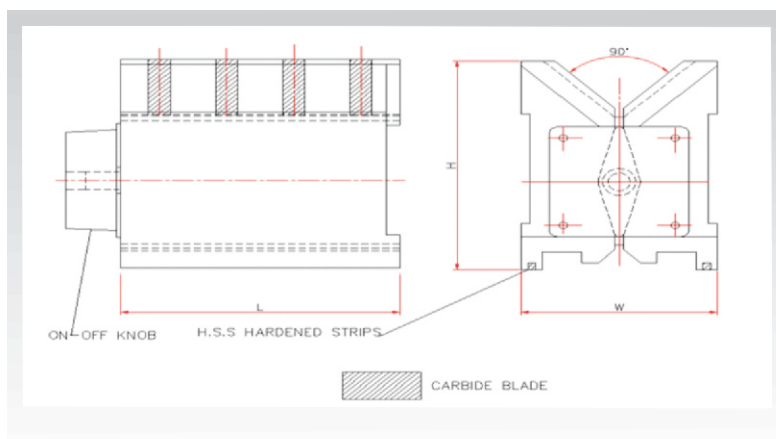
We also Manufacture 'V' Blocks to Customer's Specifications.

## Magnetic Carbide 'V' Blocks Series AA-180



**Introducing** for the first time in India “Crystal” special type Carbide Magnetic 'V' Blocks. These 'V' blocks have been specially built for applications where heavy inspections are involved. Its Advantages are as below:

- ❑ Inspection area contains carbide tips so that, we get better life in the big 'V'.
- ❑ Efficiency of inspection increases considerably due to carbide in the Big 'V' over normal H.S.S 'V' blocks.
- ❑ Accuracy is maintained for a longer period of time.



### Specifications:

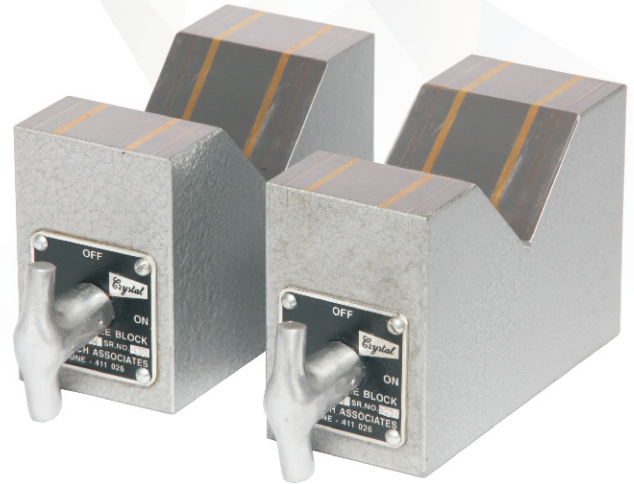
Sr. No	Cat. No.	Model	Clamping Range (Ø D)	Size in mm L X W X H	Pull Kg.	No.of Carbide Strips
1	AA-1802 C	3" V Block [Carbide]	5-40 mm	75 x 56 x 75	75	6
2	AA-1801 C	4" V Block [Carbide]	5-65 mm	100 x 70 x 95	100	8
3	AA-1805 C	6" V Block [Carbide]	5-70 mm	150 x 75x 100	175	10

We also Manufacture Non Magnetic Carbide 'V' Blocks

## Magnetic 'V' Blocks

### Series AA-180

- Accuracy for Flatness, Squarness & Parallelism within  $\pm 0.005\text{mm}$
- Hardened bits in the top 'V' face in H series.
- To hold cylindrical work pieces for inspection, not suitable for machining due to weak magnetic force.
- Top, Bottom & 'V' angle surfaces are precision ground & matched in pairs.



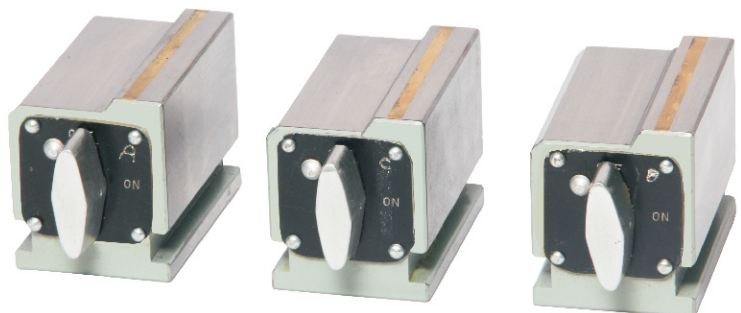
**Specifications:** S: Soft H : Hardened

Sr. No	Cat. No.	Clamping Range (Ø D)	Size in mm L X W X H	Pull Kg.
1	AA-1807 S	5-65 mm	110 X 55 X 75	50
2	AA-1808 S	5-75 mm	150 X 65 X 100	75
3	AA-1807 H	5-65 mm	110 X 55 X 75	50
4	AA-1808 H	5-75 mm	150 X 65 X 100	75

## Magnetic Universal Blocks

### Series AA-159

- These may be used as single, in pairs or three at a time as the application requires.
- Magnetic Universal blocks are precision ground, accuracy for flatness, parallelism and Squarness is within 0.005 mm.



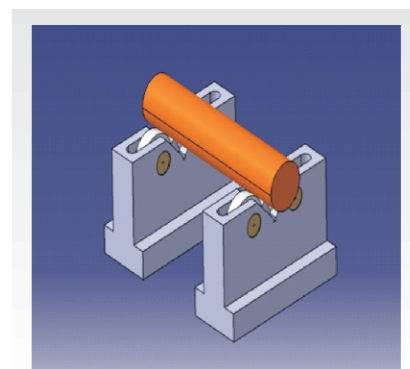
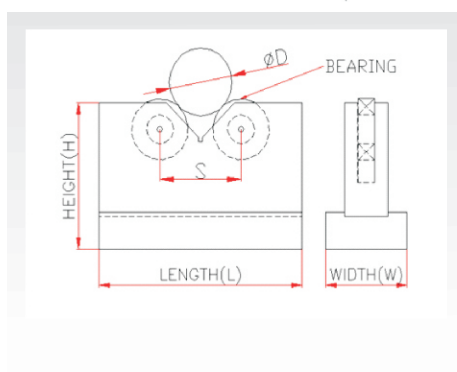
**Specifications:**

Sr. No	Cat. No.	Size in mm L X W X H	Pull Kg.
1	AA-1591	75 X 50 X 60	75

The blocks are supplied in a set. A set consists of three blocks.

## Roller Bearing 'V' Blocks

Series AA-3711



- The Roller Bearing 'V' Blocks are accurately assembled and are precision ground in matched pairs.
- Four high precision double Z bearings are provided on the top . This facilitates in the inspection of heavy round components.
- Work pieces don't get damaged due to bearings.
- The base plate of roller bearing 'V' block is hardened to 55 HRC  $\pm$  2 HRC.

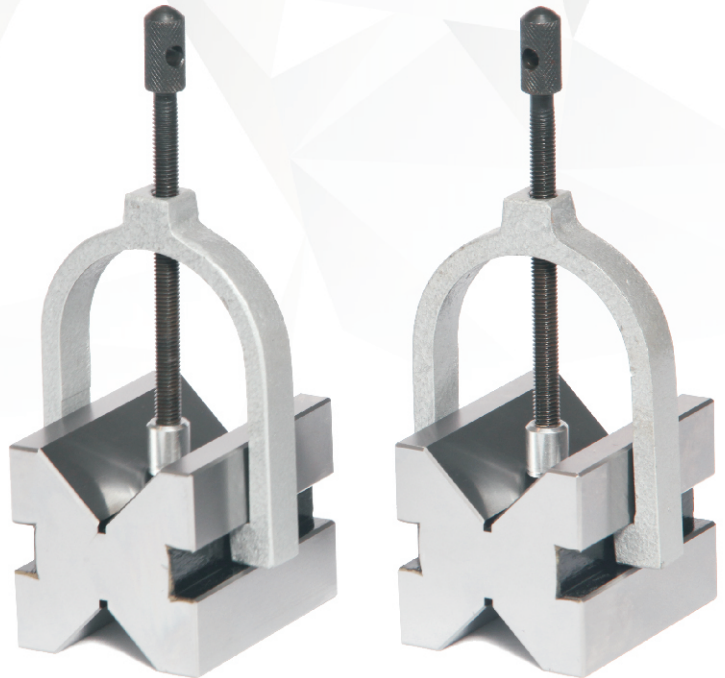
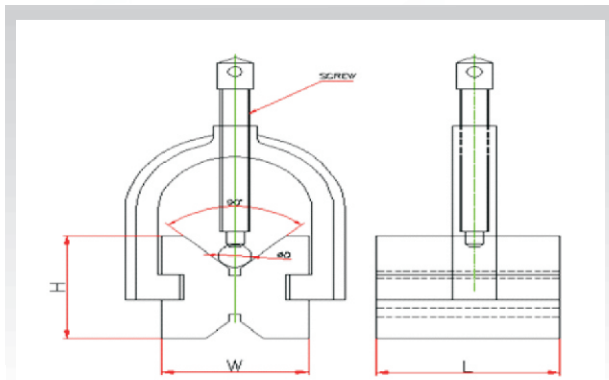
### Specifications:

Sr. No	Cat. No.	Size in mm L X W X H	C.D of Bearings in mm	Range of Shafts (ØD) in mm	Load Capacity/ Bearing
1	AA-3711	150 X 60 X 100	60	20 -70	900 kg
2	AA-3712	230 X 100 X 150	105	65 - 200	1000 kg

We also Manufacture Roller Bearing Blocks to the Customer's Specifications.

## Hardened & Ground 'V' Blocks

Series AA-171



- 'V' Blocks are Hardened & Ground to 55 HRC  $\pm$  2 HRC.
- The top 'V' and bottom 'V' are parallel within  $\pm$  3 micron and it's squareness to the end faces and height variations to the 'V' Block in a pair is within  $\pm$  3 micron.
- Supplied with Clamp for holding job.
- Hold square and Round work.

### Specifications:

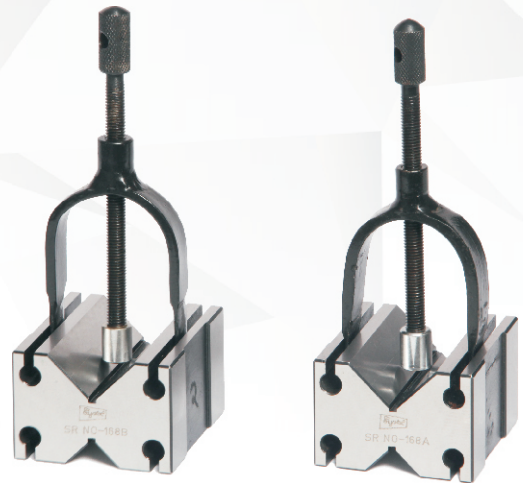
Sr. No	Cat. No.	Clamping Range ( $\varnothing$ D)	Size in mm L X W X H
1	AA-1714	3-20	25 X 20 X 20
2	AA-1711	5-30	50 X 40 X 40
3	AA-1712	6-50	80 X 63 X 63
4	AA-1713	6-70	100 X 80 X 80

We also Manufacture 'V' Blocks with Different 'V' Angles

## Hardened & Ground 'V' Blocks

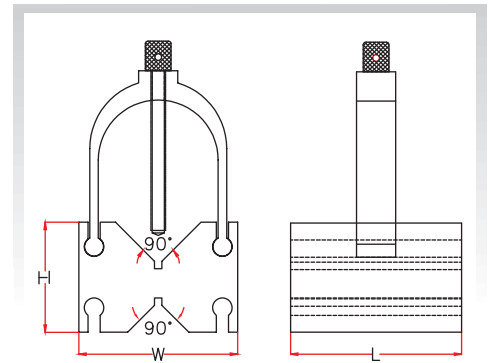
### Series AA-170

- V' Blocks are Hardened & Ground to 55 HRC  $\pm$  2 HRC.
- The top 'V' and bottom 'V' are parallel within  $\pm$  3 micron and it's squareness to the end faces and height variations to the 'V' Block in a pair is within  $\pm$  3 micron.
- Supplied with Clamp for holding job.
- 'V' Blocks are so designed that clamps do not protrude over the sides.



### Specifications:

Sr. No	Cat. No.	Clamping Range (Ø D)	Size in mm L X W X H
1	AA-1701	3-25	45 X 40 X 35
2	AA-1702	3-40	55 X 55 X 40
3	AA-1703	5-50	70 X 65 X 45
4	AA-1704	5-60	125 X 90 X 70



## Tool Room 'V' Blocks Clamp

### Series AA-175

- The sides are ground parallel and the 'V' groove is ground central and parallel to the sides and the base.
- The block is 48mm square, and the base length is 90mm. An added feature is the tapped holes used for mounting the 'V' Block on face plates or angle plates.
- The block also has one M10 tapped hole in the base and one M8 on each side so that it can be attached to an angle plate. The groove at the stepped end is at a right angle to the base and is handy for holding threaded studs, round pins.

### Specifications:

Sr. No	Cat. No.	Size in mm	Clamping Range (Ø D)
1	AA-1751	With one V Block & One Clamp 48 square x 90L	30mm

