

STEEL MEASURING BALLS

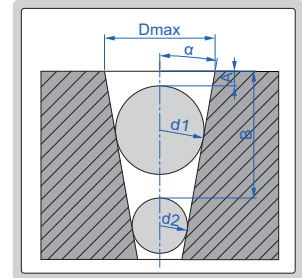


- To measure angle and diameter of taper holes
- Material: tool steel
- Hardness: HRC63
- Diameter accuracy: $\pm 3\mu\text{m}$
- Roundness: $1\mu\text{m}$
- Supplied with manufacturer inspection certificate



4168-S25

calculate angle (α) and diameter (D_{max}) according to the ball diameter (d_1 , d_2), height (A) and depth (B)



Individual

Code	Diameter
4168-01	1mm
4168-02	2mm
4168-03	3mm
4168-04	4mm
4168-05	5mm
4168-06	6mm
4168-07	7mm
4168-08	8mm
4168-09	9mm
4168-10	10mm
4168-11	11mm
4168-12	12mm
4168-13	13mm

Individual

Code	Diameter
4168-14	14mm
4168-15	15mm
4168-16	16mm
4168-17	17mm
4168-18	18mm
4168-19	19mm
4168-20	20mm
4168-21	21mm
4168-22	22mm
4168-23	23mm
4168-24	24mm
4168-25	25mm

Set (25 pairs)

Code	Steel balls included (one pair per size)
4168-S25	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25mm

THREADED HOLE LOCATION GAUGES



ANY SIZE WITHIN THE RANGE OF M3-M150MM CAN BE CUSTOMIZED

ACCURACY CLASS CAN BE CUSTOMIZED



12



the concentricity between this surface and threaded part is less than $3\mu\text{m}$

the taper of the thread part (top is big and bottom is small) lets the gauge fixed in the thread holes

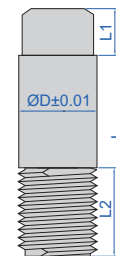


4662-12R



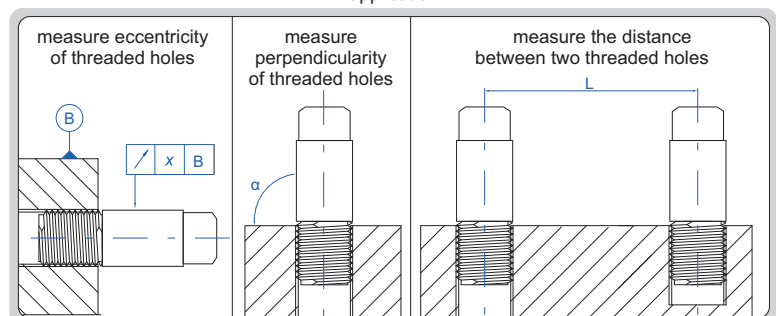
4662-3

Unit: mm



- Hardness: HRC60-63

application



(mm)					
Code	Size	L	L1	L2	ØD
4662-3	M3×0.5-6H	29	8	6	3
4662-4	M4×0.7-6H	31.4	8	8.4	4
4662-5	M5×0.8-6H	32.6	8	9.6	5
4662-6	M6×1-6H	47	10	12	6
4662-8	M8×1.25-6H	50	10	15	8
4662-8P	M8×1-6H	47	10	12	8
4662-10	M10×1.5-6H	53	10	18	10
4662-10P	M10×1-6H	47	10	12	10
4662-12	M12×1.75-6H	56	10	21	12
4662-12P	M12×1-6H	47	10	12	12
4662-12R	M12×1.5-6H	53	10	18	12
4662-14	M14×2-6H	59	10	24	14
4662-14P	M14×1-6H	47	10	12	14
4662-14R	M14×1.5-6H	53	10	18	14
4662-16	M16×2-6H	59	10	24	16
4662-16P	M16×1-6H	47	10	12	16
4662-16R	M16×1.5-6H	53	10	18	16
4662-20	M20×2.5-6H	65	10	30	20
4662-20P	M20×1-6H	47	10	12	20
4662-20R	M20×1.5-6H	53	10	18	20

OUTSIDE SPRING CALIPERS

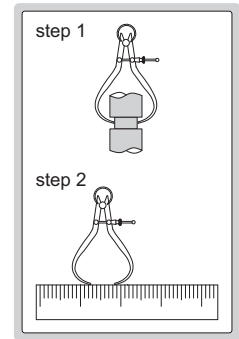
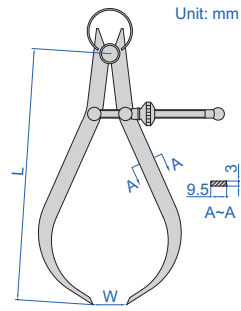


- Made of carbon steel

Code	Size (L)	Range (W)
7262-150	155mm	0-150mm
7262-200	210mm	0-200mm
7262-250	265mm	0-250mm
7262-300	310mm	0-300mm



7262-150



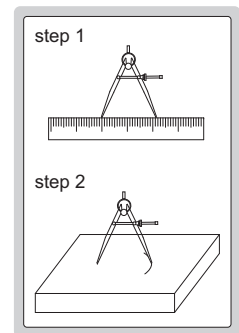
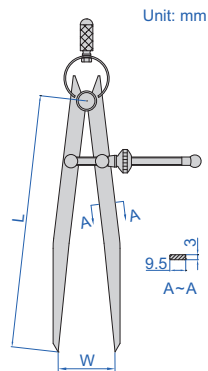
SPRING DIVIDERS

- Made of carbon steel
- Hardened points

Code	Size (L)	Range (W)
7260-150	150mm	0-150mm
7260-200	200mm	0-210mm
7260-250	245mm	0-260mm
7260-300	300mm	0-320mm



7260-150



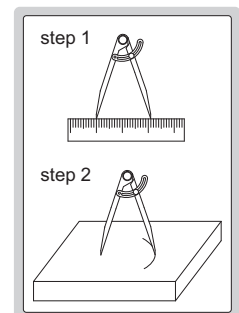
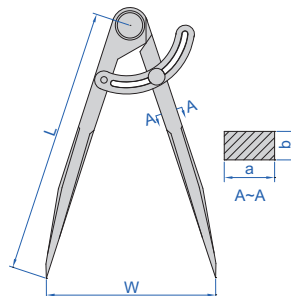
DIVIDERS

- Made of carbon steel
- Hardened points

Code	Size (L)	Range (W)	(mm)	
			a	b
7247-150	150mm	0-140mm	8.5	7
7247-200	200mm	0-190mm	10	7
7247-300	300mm	0-290mm	12	7



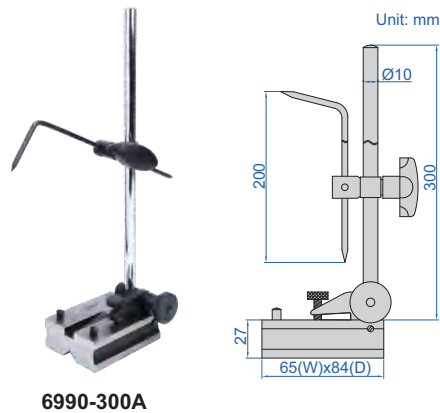
7247-150



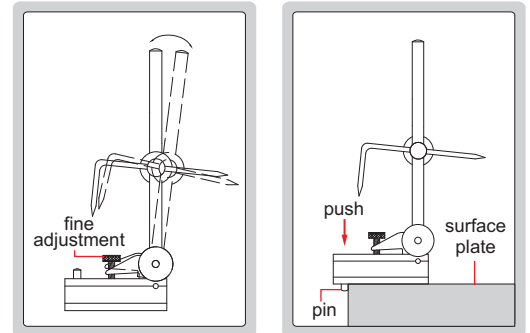
HEIGHT SCRIBER

- Grooved bottom for cylinders
- Two pins to be set against the edge of surface plate

Code
6990-300A



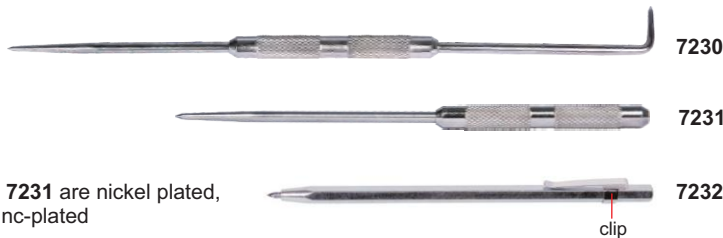
6990-300A



SCRIBERS

- 7230 and 7231 are nickel plated, 7232 is zinc-plated

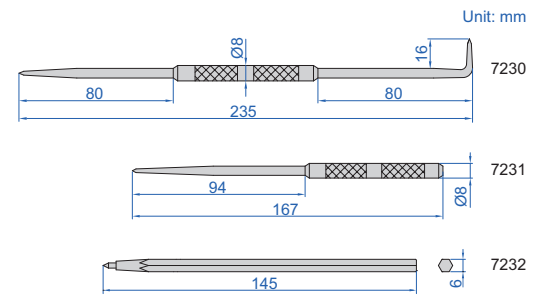
Code	Tip
7230	hardened tips
7231	hardened tip
7232	carbide tip



7230

7231

7232



Unit: mm

7230

7231

7232

PRECISION SCREWDRIVER SET CODE ISGF-0901

- Includes:
4pcs "-": 1.4mm, 2.0mm, 2.4mm, 3.0mm
2pcs "+": 0#, 1#
- Rotating cap
- Material: CRV, hardness: HRC52~56



ISGF-0901

packaging



LED FLASHLIGHT CODE ISGF-0501

- Toshiba high performance LED
- Powered by 3x AAA batteries (batteries are not included)
- Max output: 120 lumens
- Battery life: 4 hours
- Beam distance: 70 meters
- IP54 dust/waterproof

packaging



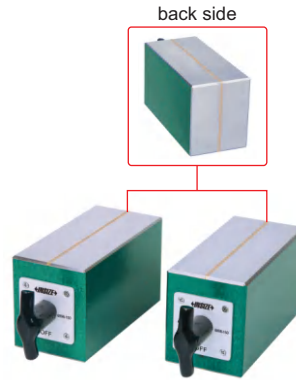
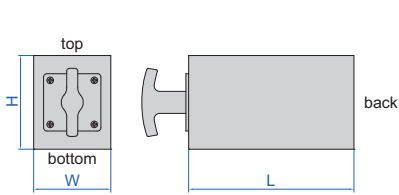
ISGF-0501

MAGNETIC RECTANGULAR BLOCKS

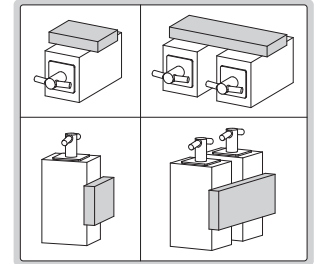
HARDENED SURFACES

HIGH PRECISION

STRONG MAGNETIC FORCE



6898-150



- For grinding, light milling, drilling and inspection of round and square jobs
- Hardened, high accuracy, strong magnetic force
- Working surfaces are hardened to HRC58-62
- Magnetic force on top, bottom and back sides
- Supplied in matched pair

Code	Size (L×W×H)	Magnetic force	Parallelism of top to bottom side	Squareness of top and bottom to back side	Height difference of a matched pair
6898-100	100×70×70mm	100kgf	5µm	5µm	5µm
6898-150	150×70×85mm	125kgf	5µm	5µm	5µm

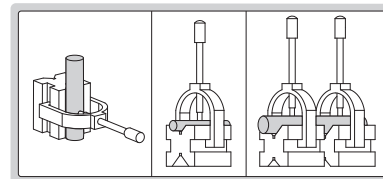
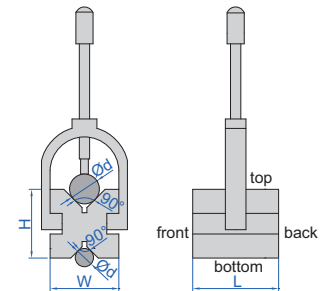
V-BLOCK SETS



6896-10



6896-11



16

- Hold cylindrical workpieces for inspection and machining
- Two V-blocks per set
- Made of alloy steel
- Hardened to HRC60±2
- V groove on the top for large shafts
- V groove on the bottom for small shafts (except 6896-10)

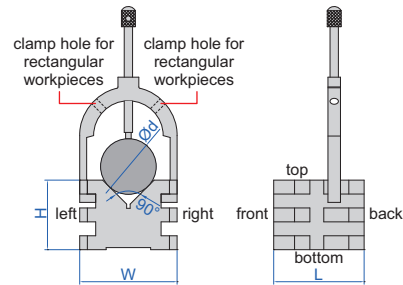
Code	Size (L×W×H)	Range of shafts (Ød)	Parallelism of both V grooves to top and bottom sides	Squareness of both V grooves to front and back sides	Height difference of a matched pair
6896-10	25×20×20mm	3-20mm	3µm	3µm	3µm
6896-11	50×40×40mm	5-30mm	5µm	5µm	5µm
6896-12	80×63×63mm	7-63mm	5µm	5µm	5µm
6896-13	100×80×80mm	7-80mm	5µm	5µm	5µm
6896-14	70×140×140mm	9-140mm	5µm	5µm	5µm

SIDE LIE-DOWN
USE IS POSSIBLE

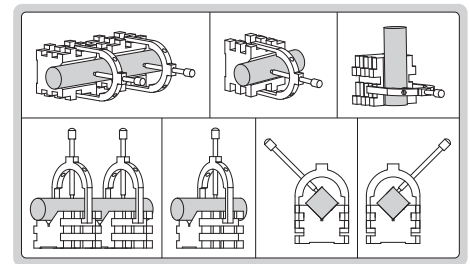
V-BLOCK SET



6802-1



- Hold cylindrical or rectangular workpieces for inspection and machining
- Two V-blocks per set
- Made of alloy steel
- Hardened to HRC60±2
- Applicable for rectangular workpieces with thickness: ≤35mm



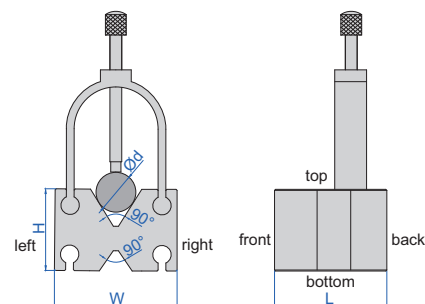
Code	Size (L×W×H)	Range of shafts (Ød)	Parallelism of V groove to top, bottom, left, right sides	Squareness of V groove to front and back sides	Height difference of a matched pair
6802-1	65×70×50mm	5-50mm	5µm	5µm	5µm

SIDE LIE-DOWN
USE IS POSSIBLE

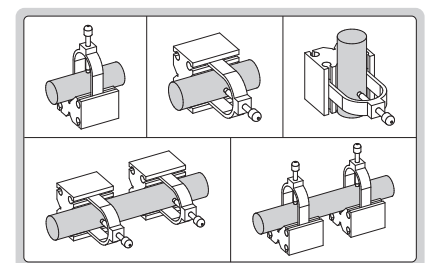
V-BLOCK SETS



6803-1



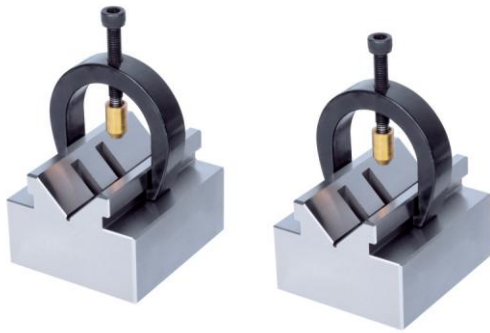
- Hold cylindrical workpieces for inspection and machining
- Two V-blocks per set
- Made of alloy steel
- Hardened to HRC60±2
- V groove on the top for large shafts
- V groove on the bottom for small shafts



Code	Size (L×W×H)	Range of shafts (Ød)	Parallelism of both V grooves to top, bottom, left, right sides	Squareness of both V grooves to front and back sides	Height difference of a matched pair
6803-1	55×60×40mm	4-35mm	5µm	5µm	5µm
6803-2	65×70×45mm	4-47mm	5µm	5µm	5µm

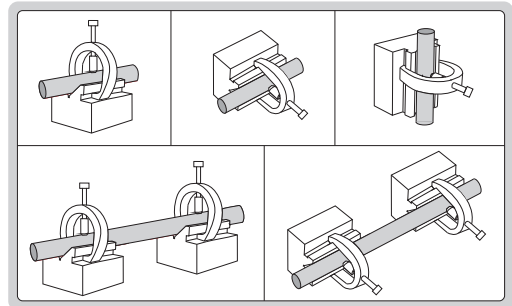
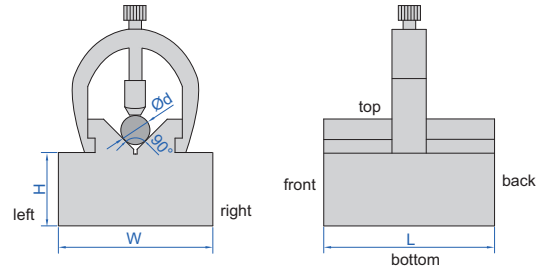
V-BLOCK SET

SIDE LIE-DOWN
USE IS POSSIBLE



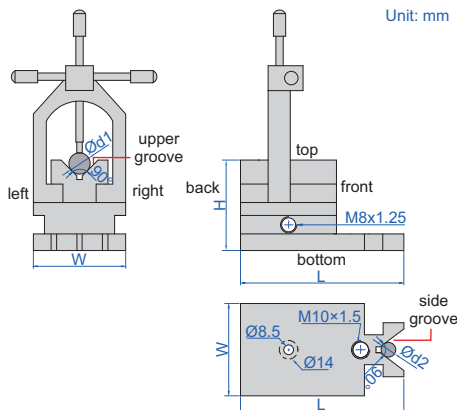
6806-20

- Hold cylindrical workpieces for inspection and machining
- Two V-blocks per set
- Made of alloy steel
- Hardened to HRC60±2
- Applicable for cylinder with diameter (Ød): 2-20mm



Code	Size (L×W×H)	Parallelism of V groove to bottom, left, right sides	Squareness of V groove to front and back sides	Height difference of a matched pair
6806-20	70×63×31mm	5µm	5µm	5µm

V-BLOCK

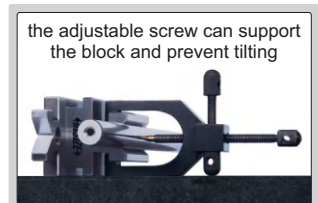


Unit: mm



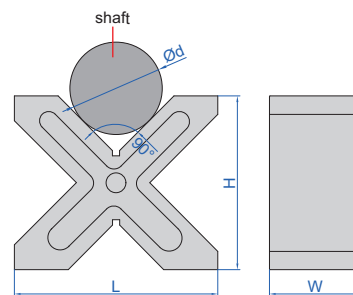
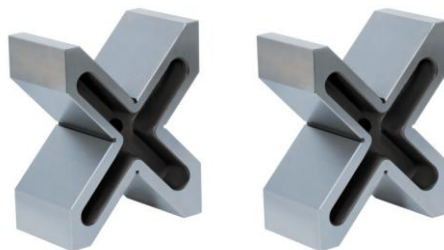
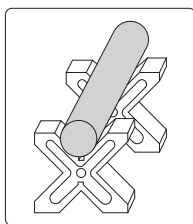
6804-M2

- Hold cylindrical workpieces for inspection and machining
- Made of alloy steel
- Hardened to HRC60±2



Code	Size (L×W×H)	Range of shafts (Ød1 and Ød2)	Parallelism of upper groove to bottom, left and right sides	Squareness of upper groove to back side	Parallelism of side groove to back side
6804-M2	90×48×48mm	5-33mm	5µm	5µm	5µm

V-BLOCK SETS

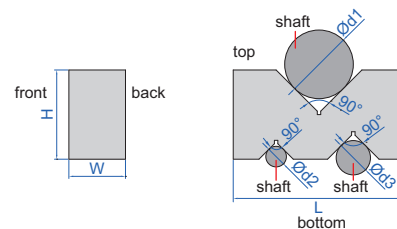
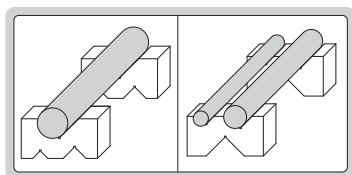


- For positioning cylindrical workpieces
- Two V-blocks per set
- Each V-block has four 90° V-grooves
- Cast iron, hardness HB170-240

6805-2

Code	Size (L×H×W)	Range of shafts (Ød)	Parallelism of four V grooves to all sides	Height difference of a matched pair
6805-1	150×130×75mm	8-120mm	15µm	20µm
6805-2	200×170×90mm	12-180mm	15µm	20µm

V-BLOCK SETS



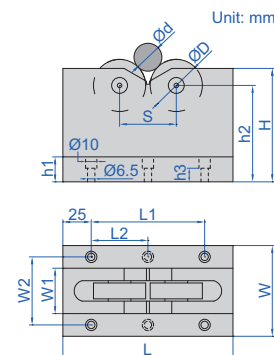
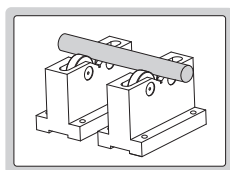
- Two V-blocks per set
- Made of hardened tool steel

6887-3

Code	Size (L×W×H)	Range of shafts (Ød1)	Range of shafts (Ød2)	Range of shafts (Ød3)
6887-1	50×19×24mm	3-32mm	3-16mm	3-22mm
6887-2	75×24×35mm	3-50mm	3-20mm	3-32mm
6887-3	100×33×52mm	3-68mm	3-26mm	3-40mm
6887-4	125×44×69mm	3-87mm	3-34mm	3-50mm

Code	Parallelism of three V grooves to top and bottom sides	Height difference of a matched pair
6887-1	5µm	5µm
6887-2	5µm	5µm
6887-3	5µm	5µm
6887-4	5µm	5µm

ROLLER BEARING V-BLOCK SETS



- Runout accuracy: 5µm
- Parallelism of bearings to bottom: 12µm
- Two V-blocks per set
- Workpieces don't get damaged due to bearings
- Suitable for heavy workpieces

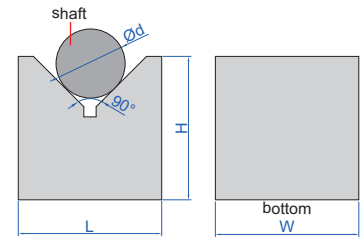
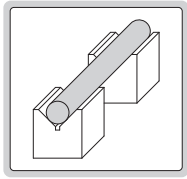
6888-1

Code	Size (L×W×H)	Code of bearings	Diameter of bearings (ØD)	Range of shafts (Ød)	Load capacity
6888-1	150×60×100mm	16004 ZZ	42mm	25-70mm	500kg
6888-2	150×80×100mm	6303 ZZ	47mm	5-55mm	1000kg
6888-3	230×100×150mm	6306 ZZ	72mm	70-200mm	1000kg

Unit: mm

Code	W1	W2	h1	h2	h3	L1	L2	S
6888-1	22	44	20	85	12	100	-	60
6888-2	40	60	22	85	12	100	-	50
6888-3	60	80	30	124	20	180	90	120

GRANITE V-BLOCK SETS



■ Two V-blocks per set

6897-1

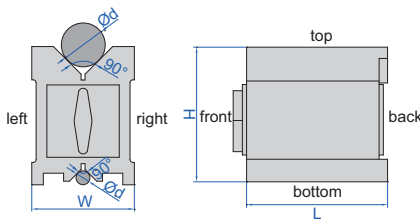
Code	Size (L×W×H)	Range of shafts (Ød)	Parallelism of V groove to bottom	Height difference of a matchet pair
6897-1	70×50×70mm	6-70mm	4µm	5µm
6897-2	100×50×70mm	6-84mm	4µm	5µm

MAGNETIC V-BLOCKS (ADVANCED TYPE)

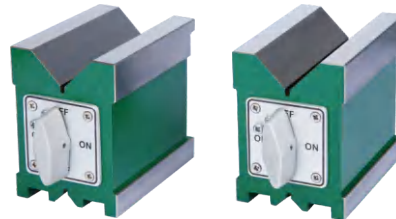
HARDENED SURFACES

HIGH PRECISION

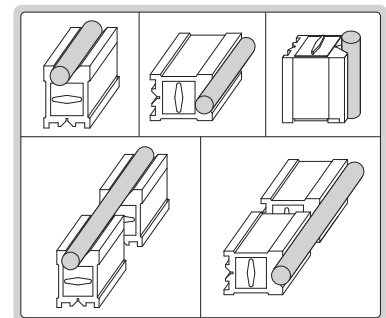
STRONG MAGNETIC FORCE



6889-11



6889-1



- Hardened, high accuracy, strong magnetic force, for grinding, light milling, drilling and inspection of round and square workpieces
- All working surfaces are hardened to HRC60±2
- Magnetic force on top, bottom and two V grooves
- V groove on the top for large shafts
- V groove on the bottom for small shafts
- Suitable for cast iron surface plates and granite surface plates

Individual

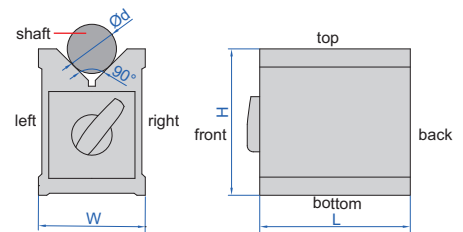
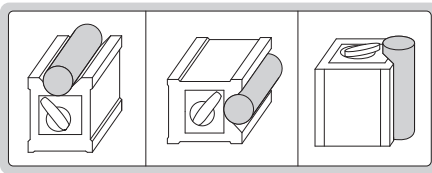
Code	Size (L×W×H)	Range of shafts (Ød)	Magnetic force	Parallelism of V grooves to top, bottom, left, right sides	Squareness of V grooves to back side
6889-11	75×56×75mm	5-40mm	85kgf	5µm	5µm
6889-22	100×70×95mm	5-65mm	150kgf	5µm	5µm
6889-33	150×75×100mm	5-70mm	190kgf	6µm	6µm
6889-55	160×125×130mm	5-140mm	220kgf	12µm	12µm
6889-44	200×125×150mm	10-140mm	400kgf	12µm	12µm

Matched pair

Code	Size (L×W×H)	Range of shafts (Ød)	Magnetic force	Parallelism of V grooves to top, bottom, left, right sides	Squareness of V grooves to back side	Height difference of a matched pair
6889-1	75×56×75mm	5-40mm	85kgf	5µm	5µm	5µm
6889-2	100×70×95mm	5-65mm	150kgf	5µm	5µm	5µm
6889-3	150×75×100mm	5-70mm	190kgf	6µm	6µm	6µm
6889-5	160×125×130mm	5-140mm	220kgf	12µm	12µm	12µm
6889-4	200×125×150mm	10-140mm	400kgf	12µm	12µm	12µm

ATTENTION: NOT SUITABLE FOR STEEL OR IRON SURFACES, OTHERWISE THE MAGNETIC FORCE WILL BE REDUCED

MAGNETIC V-BLOCKS



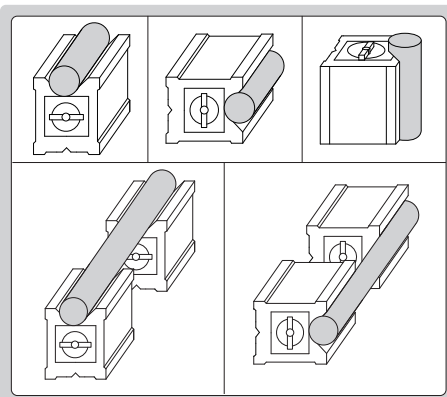
6890-702

- Hold cylindrical workpieces for inspection and machining
- Supplied in single piece
- Not suitable for steel or iron surfaces, otherwise the magnetic force will be reduced

Code	Size (L×W×H)	Range of shafts (Ød)	Magnetic force	Parallelism of V groove to top, bottom, left and right sides	Squareness of V groove to back side	Remark
6890-702	70×60×73mm	6-44mm	56kgf	10µm	10µm	not hardened
6890-702A	70×60×73mm	6-44mm	56kgf	10µm	10µm	hardened surfaces

ATTENTION: NOT SUITABLE FOR STEEL OR IRON SURFACES, OTHERWISE THE MAGNETIC FORCE WILL BE REDUCED

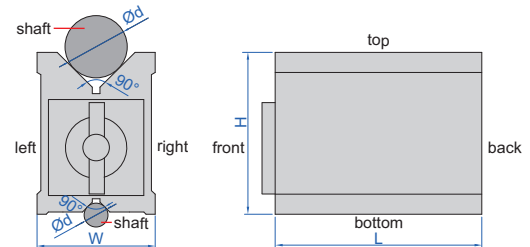
MAGNETIC V-BLOCKS



6801-1202



6801-2A



- Hold cylindrical workpieces for inspection and machining
- V groove on the top for large shafts
- V groove on the bottom for small shafts
- Not suitable for steel or iron surfaces, otherwise the magnetic force will be reduced

Individual

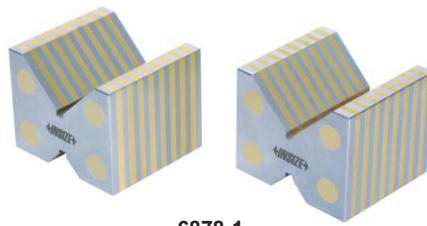
Code	Size (L×W×H)	Range of shafts (Ød)	Magnetic force	Parallelism of V grooves to top, bottom, left, right side	Squareness of V grooves to back side	Remark
6801-1201	80×70×95mm	6-67mm	64kgf	10µm	10µm	not hardened
6801-1202	100×70×95mm	6-67mm	80kgf	10µm	10µm	
6801-1203	120×70×95mm	6-67mm	96kgf	10µm	10µm	
6801-1201A	80×70×95mm	6-67mm	64kgf	10µm	10µm	hardened surfaces
6801-1202A	100×70×95mm	6-67mm	80kgf	10µm	10µm	
6801-1203A	120×70×95mm	6-67mm	96kgf	10µm	10µm	

Matched pair

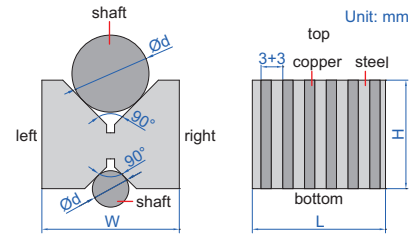
Code	Size (L×W×H)	Range of shafts (Ød)	Magnetic force	Parallelism of V grooves to top, bottom, left, right side	Squareness of V grooves to back side	Height difference of a matched pair	Remark
6801-1	80×70×95mm	6-67mm	64kgf	10µm	10µm	10µm	not hardened
6801-2	100×70×95mm	6-67mm	80kgf	10µm	10µm	10µm	
6801-3	120×70×95mm	6-67mm	96kgf	10µm	10µm	10µm	
6801-1A	80×70×95mm	6-67mm	64kgf	10µm	10µm	10µm	hardened surfaces
6801-2A	100×70×95mm	6-67mm	80kgf	10µm	10µm	10µm	
6801-3A	120×70×95mm	6-67mm	96kgf	10µm	10µm	10µm	

MAGNETIC INDUCTION V-BLOCK SET

ATTENTION: NOT HARDENED, DO NOT ROTATE WORKPIECES ON V-BLOCKS

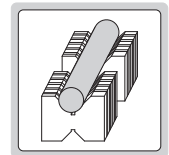


6878-1



- Hold cylindrical workpieces for inspection and machining
- To be used on magnetic chucks
- Two V-blocks per set
- V groove on the top for large shafts
- V groove on the bottom for small shafts
- Hardness HRB70
- Non-magnetic copper strips

Code	Size (L×W×H)	Range of shafts (Ød)	Pole pitch	Parallelism of both V grooves to top and bottom sides	Height difference of a matched pair
6878-1	52×58×46mm	6-56mm	3+3mm	10µm	10µm



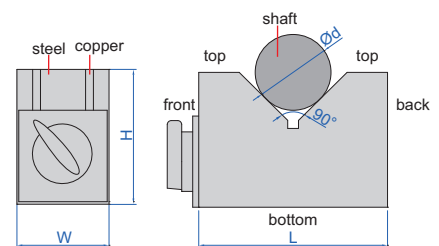
MAGNETIC V-BLOCK SETS

ATTENTION: NOT HARDENED, DO NOT ROTATE WORKPIECES ON V-BLOCKS

ATTENTION: LOW MAGNETIC FORCE

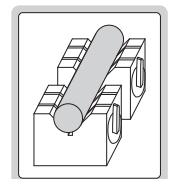


6891-1



- Hold cylindrical workpieces for inspection, not suitable for machining due to low magnetic force
- Two V-blocks per set
- Hardness HRB70

Code	Size (L×W×H)	Range of shafts (Ød)	Magnetic force	Parallelism of V groove to bottom and back sides	Height difference of a matched pair
6891-1	70×40×50mm	6-46mm	15kgf	10µm	10µm
6891-3	150×50×100mm	6-125mm	21kgf	10µm	10µm



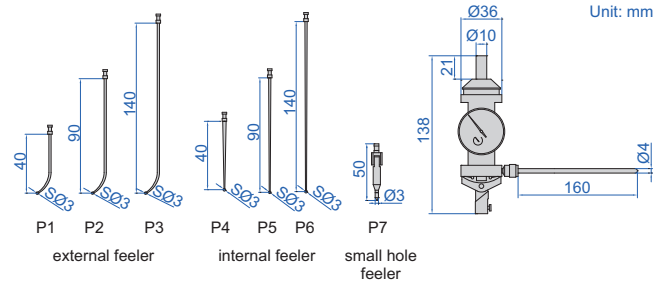
POPULAR MODEL



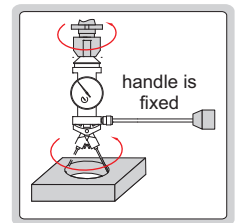
CENTERING INDICATOR



2385-3



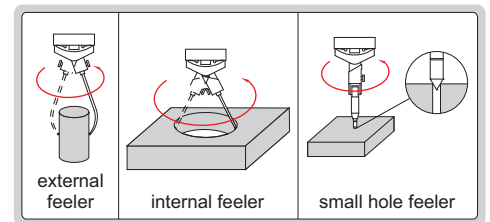
- Provides quick and accurate centering in boring and milling set-up
- Maximum speed is recommended not to exceed 800rpm



Feeler	Measuring diameter	Accuracy
P1	Ø0-60mm	0.015mm
P2	Ø0-160mm	0.02mm
P3	Ø0-250mm	0.03mm
P4	Ø3.2-80mm	0.015mm
P5	Ø3.2-180mm	0.02mm
P6	Ø3.2-280mm	0.03mm
P7	Ø0-2.8mm	0.015mm

Code

2385-3



REFER TO PAGE 280-281 FOR DETAILS

DIAL INDICATOR HOLDERS



6296-1



6291-1



6297-1



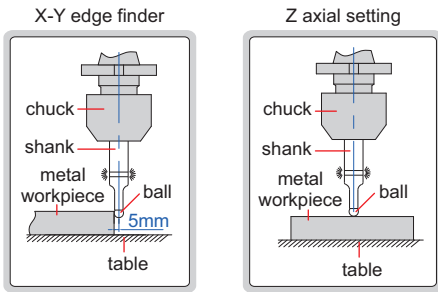
6294-1A



6295-1A

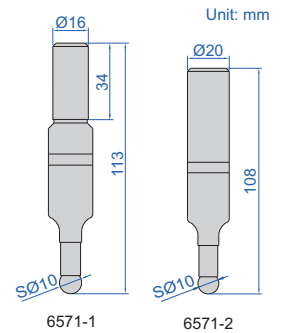
3D ELECTRONIC EDGE FINDERS

INSIZE PLUS
MADE IN EUROPE

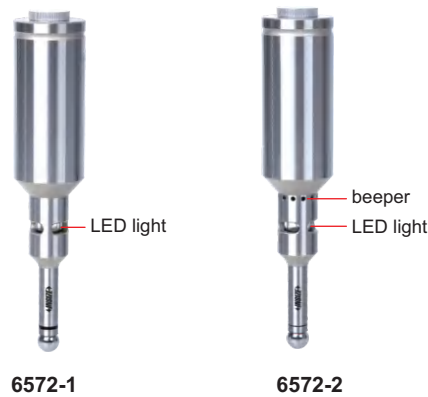
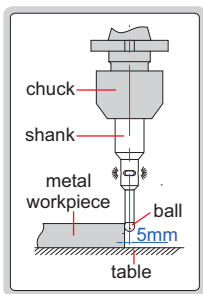


- The shank is electrically conducted to the metal workpiece through the chuck and table. The LED lights up, when the ball touches the workpiece
- Not suitable for rotary use
- Hardened contact ball

Code	Shank	Contact ball	Accuracy	Battery
6571-1	Ø16mm	SØ10mm	10µm	23A, 12V×1 pc
6571-2	Ø20mm	SØ10mm	10µm	23A, 12V×1 pc

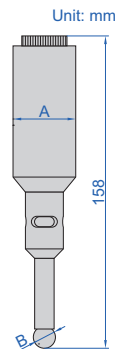


LARGE SHANK ELECTRONIC EDGE FINDERS

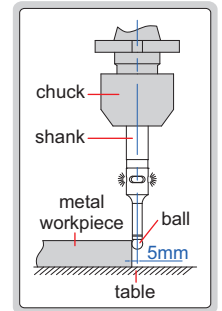
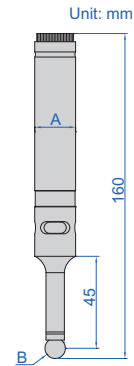


- The shank is electrically conducted to the metal workpiece through the chuck and table. The LED lights up and the beeper sounds (only for 6572-2), when the ball touches the workpiece
- Not suitable for rotary use
- Hardened shank and contact ball

Code	Shank (A)	Contact ball (B)	Accuracy	Beeper	Battery
6572-1	Ø32mm	SØ10mm	5µm	without	23A, 12V×1 pc
6572-2	Ø32mm	SØ10mm	5µm	with	23A, 12V×1 pc



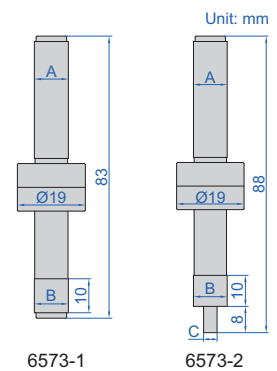
ELECTRONIC EDGE FINDERS



- The shank is electrically conducted to the metal workpiece through the chuck and table. The LED lights up and the beeper sounds (only for **6566-3**), when the ball touches the workpiece
- Not suitable for rotary use
- Hardened shank and contact ball

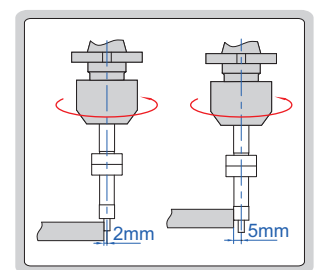
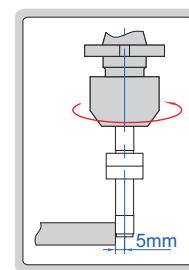
Code	Shank (A)	Contact ball (B)	Accuracy	Beeper	Battery
6566-2	Ø20mm	SØ10mm	5µm	without	23A, 12V×1 pc
6566-3	Ø20mm	SØ10mm	5µm	with	23A, 12V×1 pc

NON-MAGNETIC EDGE FINDERS



- TiAlN coating, non-magnetic, hardness HV2500, extremely wear resistance
- Suitable for machine speed 400~600rpm

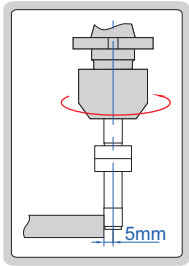
Code	Shank (A)	Contact point (B)	Contact point (C)	Accuracy
6573-1	Ø10mm	Ø10mm	—	5µm
6573-2	Ø10mm	Ø10mm	Ø4mm	5µm



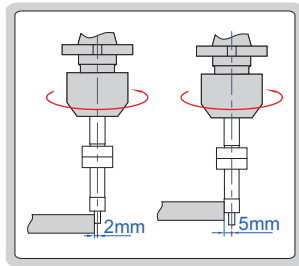
6573-1

6573-2

EDGE FINDERS



6562-3



6562-4

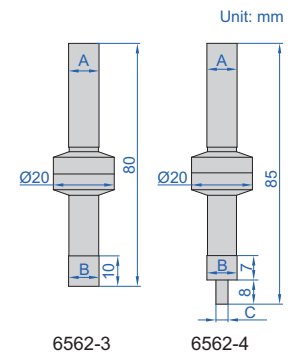


6562-3

6562-4

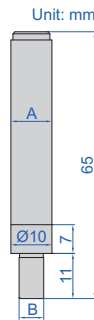
- Hardened shank and contact point
- Suitable for machine speed 400~600rpm

Code	Shank (A)	Contact point (B)	Contact point (C)	Accuracy
6562-3	Ø10mm	Ø10mm	—	5µm
6562-4	Ø10mm	Ø10mm	Ø4mm	5µm

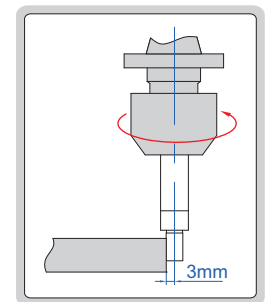


EDGE FINDER

- Hardened shank and contact point
- Suitable for machine speed 400~600rpm



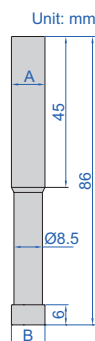
6567-1



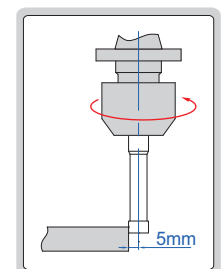
Code	Shank (A)	Contact point (B)	Accuracy
6567-1	Ø10mm	Ø6mm	8µm

CERAMIC EDGE FINDER

- Ceramic contact point, non magnetic
- Suitable for machine speed 400~600rpm



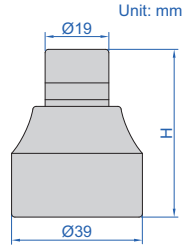
6568-1



Code	Shank (A)	Contact point (B)	Accuracy
6568-1	Ø10mm	Ø10mm	8µm

LOW TEST FORCE

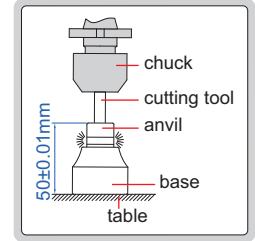
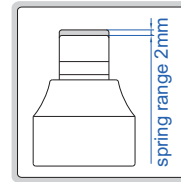
- The base is electrically conducted to the cutting tools through the table and chuck. The LED lights up when the cutting tool touches the anvil
- Magnetic base
- Two batteries LR44



6553-50

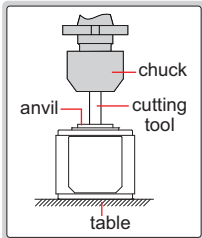
ELECTRONIC ZERO SETTER

INSIZE PLUS
MADE IN EUROPE



Code	Height (H)	Accuracy	Test force
6553-50	50mm	±10µm	7N (at 49mm)

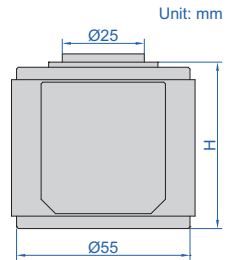
IP65 WATERPROOF



6557-50



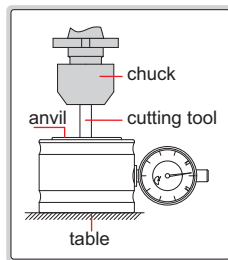
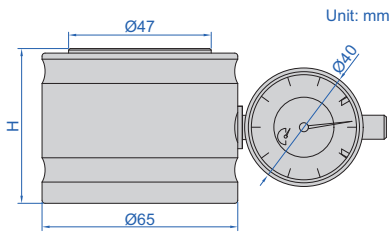
DIGITAL ZERO SETTER



- Resolution: 0.001mm/0.00005"
- IP65 dust/waterproof
- Buttons: on/off, mm/inch, zero
- CR2032 battery
- Automatic power off
- Magnetic base
- Automatic backlight at zero

Code	Height (H)	Anvil stroke	Accuracy *	Test force	Repeatability
6557-50	50mm	2.5mm	±10µm/0.0004"	10N (at 50mm)	2µm

* The accuracy is ensured within Ø10mm of the center

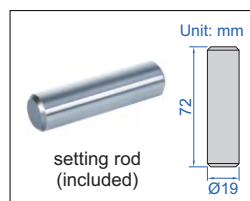
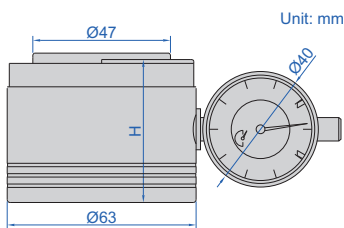


6554-50

ZERO SETTER

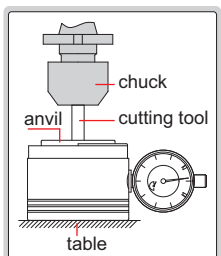
INSIZE PLUS
MADE IN EUROPE

Code	Height (H)	Graduation	Accuracy	Test force
6554-50	50mm	0.01mm	±0.02mm	9N (at 50mm)



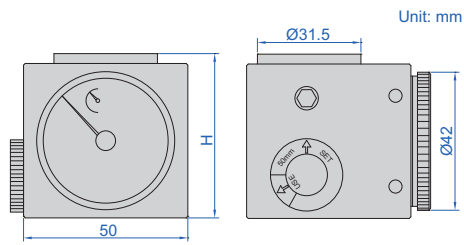
6556-50

ZERO SETTER



Code	Height (H)	Graduation	Accuracy	Test force
6556-50	50mm	0.01mm	±0.01mm	10N (at 50mm)

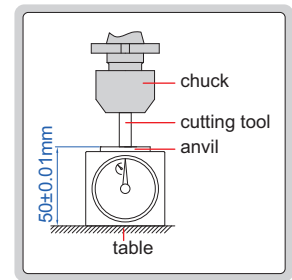
ZERO SETTER



- Magnetic base

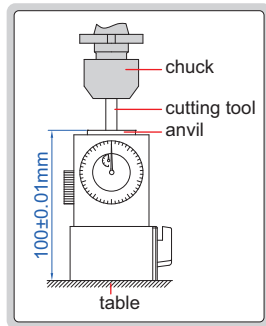


2397-502A



Code	Height (H)	Graduation	Accuracy	Test force
2397-502A	50mm	0.01mm	±0.01mm	9N (at 50mm)

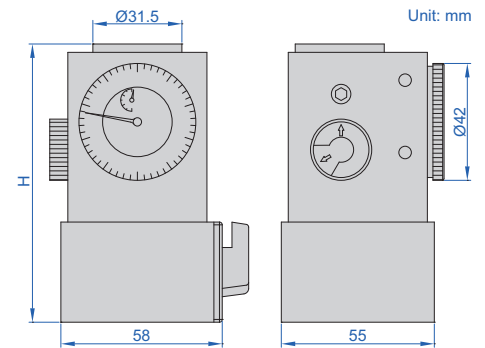
ZERO SETTER



- Magnetic base with on-off switch



2394-100A

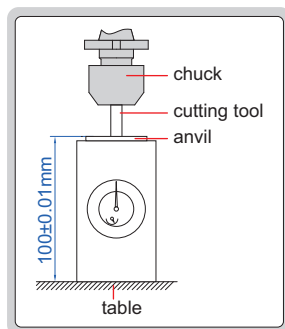


Code	Height (H)	Graduation	Accuracy	Test force
2394-100A	100mm	0.01mm	±0.01mm	9N (at 100mm)

LOW TEST FORCE ZERO SETTER

INSIZE PLUS
MADE IN EUROPE

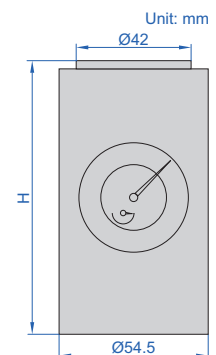
LOW TEST FORCE



- Magnetic base
- Low test force, suitable for micro tools with minimum diameter Ø0.1mm



6555-100B



Code	Height (H)	Graduation	Accuracy	Test force
6555-100B	100mm	0.01mm	±0.01mm	1N (at 100mm)