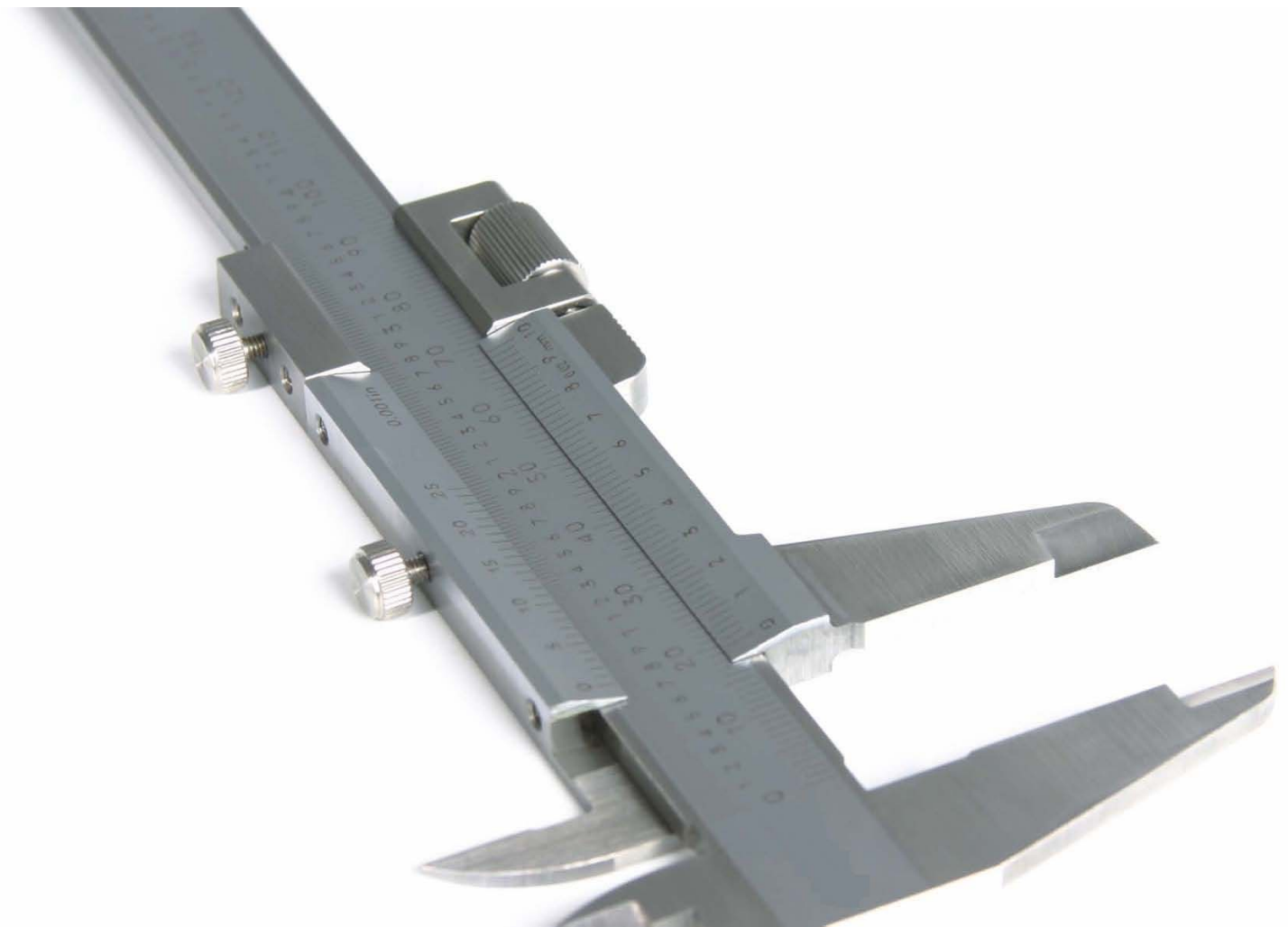


# mechmatics

Metrology Catalogue



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## ELECTRONIC CALIPER



- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm conversion
- Hidden zero button preventing to be pressed by accident
- Battery SR44, with one spare battery
- DIN862, hardened stainless steel construction, with locking clamp and thumb wheel (optional: without thumb wheel), for outside, inside, depth and step measurements
- SPC data output via USB interface
- Packed in plastic box

Code	Range
IS11112-150	0-150mm/0-6"
IS11112-200	0-200mm/0-8"
IS11112-300	0-300mm/0-12"

## HIGH PRECISION ELECTRONIC CALIPER



- High accuracy due to 2.54mm scale pitch, quick reading change, no speed limitation
- Low power consumption, special vernier design, no minus sign in front of zero
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm conversion
- Battery SR44, with one spare battery
- DIN862, hardened stainless steel construction, with locking clamp and thumb wheel (optional: without thumb wheel), for outside, inside, depth and step measurements
- SPC data output via USB interface
- Packed in plastic box

Code	Range
IS11137-150	0-150mm/0-6"
IS11137-200	0-200mm/0-8"
IS11137-300	0-300mm/0-12"

## MINI VERNIER CALIPER



Code	Range	Graduation
IS11204-70	0-70mm	0.05mm

- DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- With locking clamp and thumb knob, for outside, inside, depth measurements
- Packed in leathery pouch

## VERNIER CALIPER



Code	Range	Graduation
IS11205-100	0-100mm/0-4"	0.05mm/1/128"
IS11205-150	0-150mm/0-6"	0.05mm/1/128"
IS11205-200	0-200mm/0-8"	0.05mm/1/128"
IS11205-300	0-300mm/0-12"	0.05mm/1/128"

- Optional graduations: 0.02mm, 0.02mm/0.001", 0.05mm, 0.05mm/0.001"
- With thumb knob
- DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- With locking clamp, for outside, inside, depth and step measurements
- Packed in leathery pouch or plastic box

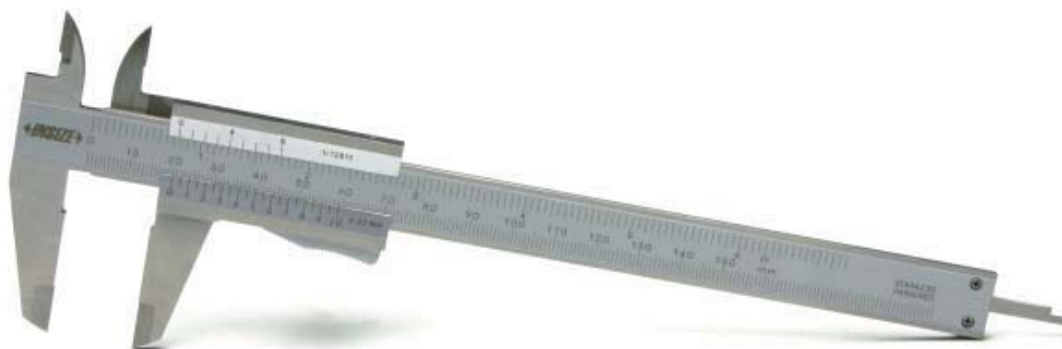
## VERNIER CALIPER



Code	Range	Graduation
IS11206-100	0-100mm/0-4"	0.05mm/1/128"
IS11206-150	0-150mm/0-6"	0.05mm/1/128"
IS11206-200	0-200mm/0-8"	0.05mm/1/128"
IS11206-300	0-300mm/0-12"	0.05mm/1/128"

- Optional graduations: 0.02mm, 0.02mm/0.001", 0.05mm, 0.05mm/0.001"
- With thumb knob
- DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- With locking clamp, for outside, inside, depth and step measurements
- Packed in leathery pouch or plastic box

## VERNIER CALIPER



Code	Range	Graduation
IS11222-150	0-150mm/0-6"	0.05mm/1/128"
IS11222-200	0-200mm/0-8"	0.05mm/1/128"
IS11222-300	0-300mm/0-12"	0.05mm/1/128"

- Optional graduations: 0.02mm, 0.02mm/0.001", 0.05mm, 0.05mm/0.001"
- With auto clamp
- DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- For outside, inside, depth and step measurements
- Packed in leathery pouch or plastic box

## VERNIER CALIPER



Code	Range	Graduation
IS11223-150	0-150mm/0-6"	0.05mm/1/128"
IS11223-200	0-200mm/0-8"	0.05mm/1/128"
IS11223-300	0-300mm/0-12"	0.05mm/1/128"

- Optional graduations: 0.02mm, 0.02mm/0.001", 0.05mm, 0.05mm/0.001"
- With auto clamp
- DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- For outside, inside, depth and step measurements
- Packed in leathery pouch or plastic box

## VERNIER CALIPER



Code	Range	Graduation
IS11225-150	0-150mm/0-6"	0.05mm/1/128"
IS11225-200	0-200mm/0-8"	0.05mm/1/128"
IS11225-300	0-300mm/0-12"	0.05mm/1/128"

- Optional graduations: 0.02mm, 0.02mm/0.001", 0.05mm, 0.05mm/0.001"
- With thumb wheel
- DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- With locking clamp, for outside, inside, depth and step measurements
- Packed in leathery pouch or plastic box

## DIAL CALIPER



Code	Range	Dial indicator graduation
IS11312-100	0-100mm	0.02mm
IS11311-150	0-150mm	0.01mm
IS11312-150	0-150mm	0.02mm
IS11311-200	0-200mm	0.01mm
IS11312-200	0-200mm	0.02mm
IS11311-300	0-300mm	0.01mm
IS11312-300	0-300mm	0.02mm
IS11311-4	0-4"	0.001"
IS11311-6	0-6"	0.001"
IS11311-8	0-8"	0.001"
IS11311-12	0-12"	0.001"

- DIN862, hardened stainless steel construction, satin chrome finish beam scale, with locking clamp and thumb wheel
- Shock proof dial indicator, adjustable bezel, with bezel locking screw
- For outside, inside, depth and step measurements
- Packed in plastic box

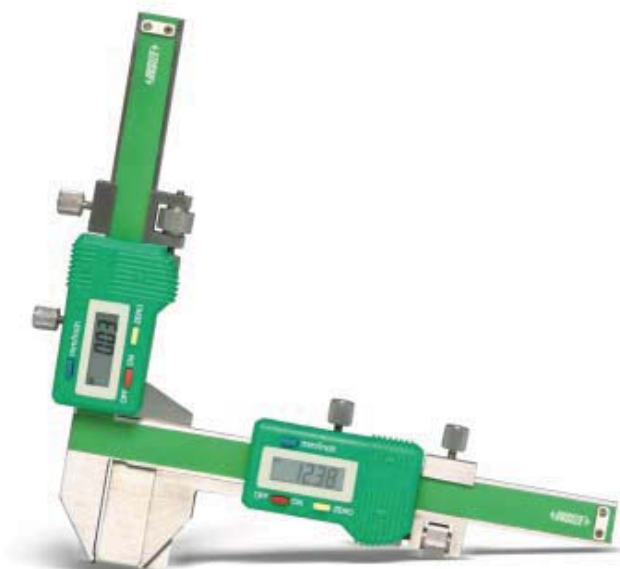
## DIAL CALIPER FOR DIY



Code	Range
IS11322-100	0-100mm
IS11322-150	0-150mm
IS11322-200	0-200mm
IS11322-300	0-300mm
IS11321-4	0-4"
IS11321-6	0-6"
IS11321-8	0-8"
IS11321-12	0-12"

- Dial indicator graduation: metric 0.02mm  
imperial 0.001"
- For DIY market
- Hardened stainless steel construction, satin chrome finish beam scale, with locking clamp and thumb wheel
- Shock proof dial indicator, adjustable bezel, with bezel locking screw
- For outside, inside, depth and step measurements
- Packed in plastic box

## ELECTRONIC GEAR TOOTH CALIPER



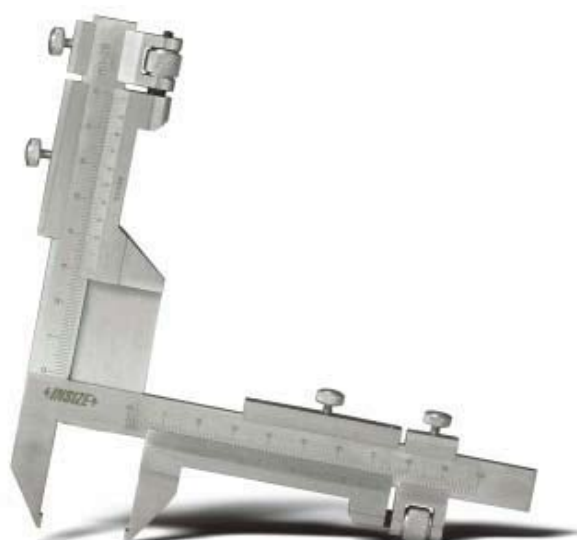
Code	Range
IS11181-M30	M1-30
IS11181-M50	M5-50

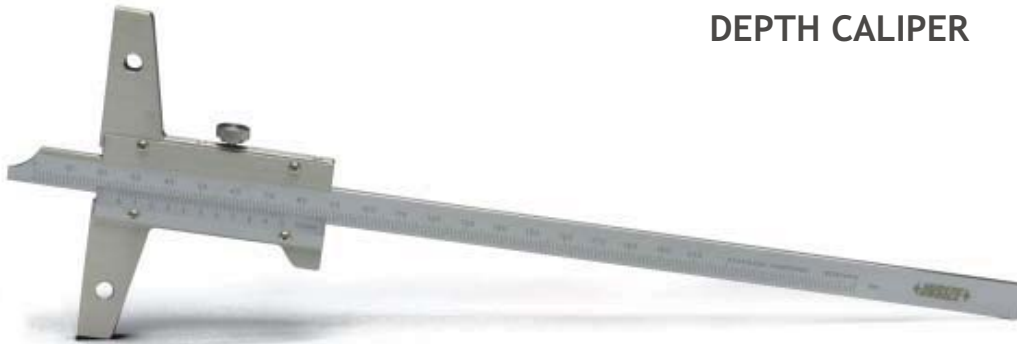
- Resolution: 0.01mm/0.0005"
- The vertical scale measures the depth of teeth from the top to the pitch line
- The horizontal scale measures the thickness of teeth in the pitch line
- Carbide tips, with fine adjustment
- Buttons: zero, power on/off, inch/mm conversion
- Battery SR44, with one spare battery
- Hardened stainless steel construction, with locking clamp
- SPC data output
- Packed in plastic box or wooden box

## GEAR TOOTH VERNIER CALIPER

Code	Range
IS11281-M26	M1-26

- Graduation: 0.02mm
- The vertical scale measures the depth of teeth from the top to the pitch line
- The horizontal scale measures the thickness of teeth in the pitch line
- Carbide tips, with fine adjustment
- Made of carbon steel, satin chrome plated reading surface
- With locking clamp
- Packed in plastic box or wooden box





## DEPTH CALIPER

Code	Range	Graduation	Base length
IS11247-150	0-150mm	0.02mm	100mm
IS11247-200	0-200mm	0.02mm	100mm
IS11247-300	0-300mm	0.02mm	100mm

- Made of stainless steel, hardened beam and base, with locking clamp and thumb knob
- Extension base is optional
- Packed in plastic box or wooden box



## DIAL DEPTH CALIPER

Code	Range	Dial indicator graduation	Base length
IS11349-150	0-150mm	0.02mm	100mm
IS11349-200	0-200mm	0.02mm	100mm
IS11349-300	0-300mm	0.02mm	100mm

- Graduation 0.05mm is optional
- Made of stainless steel, hardened beam and base
- With locking clamp and fine adjustment, adjustable bezel and bezel locking clamp
- Extension base is optional
- Packed in plastic box or wooden box

## EXTENSION BASE FOR DEPTH CALIPER AND DIAL DEPTH CALIPER

- Made of stainless steel
- Packed in leathery bag

Code	Base length
IS16141-180	180mm
IS16141-260	260mm
IS16141-320	320mm





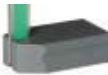
## ELECTRONIC HEIGHT GAGE



Base type A



Base type B



Code	Range
IS11150-300	0-300mm/0-12"
IS11150-500	0-500mm/0-20"
IS11150-600	0-600mm/0-24"
IS11150-800	0-800mm/0-32"
IS11150-1000	0-1000mm/0-40"
IS11150-1500	0-1500mm/0-60"
IS11150-2000	0-2000mm/0-80"

- Resolution: 0.01mm/0.0005"
- Carbide-tipped scriber, stainless steel beam and slide, stainless steel base bottom, with fine adjustment and locking clamp
- Buttons: power on/off, metric-inch conversion, absolute and incremental measurement, data hold, tolerance measurement, data preset, set data
- Height gages within 0-600mm/0-24" have type A base, over 0-600mm/0-24" have type B base
- RS232 data output, SR44 battery, with spare battery, with indicator holder
- Packed in styrofoam with carton or wooden box

## ELECTRONIC HEIGHT GAGE WITH DRIVING WHEEL

- Resolution: 0.01mm/0.0005"
- Carbide-tipped scriber, stainless steel beam and slide, stainless steel base, with locking clamp, with driving wheel
- Buttons: power on/off, metric-inch conversion, absolute and incremental measurement, data hold, tolerance measurement, data preset, set data
- RS232 data output, SR44 battery, with spare battery, indicator holder is optional
- Packed in styrofoam with carton or wooden box

Code	Range
IS11152-300	0-300mm/0-12"
IS11152-450	0-450mm/0-18"
IS11152-500	0-500mm/0-20"
IS11152-600	0-600mm/0-24"
IS11152-1000	0-1000mm/0-40"
IS11152-1500	0-1500mm/0-60"



## DIAL HEIGHT GAGE

Code	Range
IS11350-150	0-150mm
IS11350-200	0-200mm
IS11350-300	0-300mm
IS11350-6	0-6"
IS11350-8	0-8"
IS11350-12	0-12"

Dial Graduation:

Metric	Imperial
0.02mm	0.001"

- Carbide-tipped scriber, stainless steel beam and base, satin chrome finish reading surface, with fine adjustment and locking clamp, adjustable bezel and bezel locking clamp, indicator holder is optional
- Packed in styrofoam with carton or wooden box



## HEIGHT GAGE WITH ADJUSTABLE SCALE

Code	Range
IS11250-300	0-300mm/0-12"
IS11250-450	0-450mm/0-18"
IS11250-500	0-500mm/0-20"
IS11250-600	0-600mm/0-24"
IS11250-1000	0-1000mm/0-40"
IS11250-1500	0-1500mm/0-60"

- Graduation: 0.02mm/0.001"
- Carbide-tipped scriber, stainless steel beam and base, satin chrome finish reading surface, adjustable scale for zero set, with fine adjustment and magnifier
- With locking clamp, indicator holder is optional
- Packed in styrofoam with carton or wooden box



## HEIGHT GAGE WITH DRIVING WHEEL

Code	Range
IS11252-300	0-300mm/0-12"
IS11252-450	0-450mm/0-18"
IS11252-500	0-500mm/0-20"
IS11252-600	0-600mm/0-24"
IS11252-1000	0-1000mm/0-40"

- Graduation: 0.02mm/0.001"
- No parallax, with driving wheel
- Carbide-tipped scriber, stainless steel beam and base, satin chrome finish reading surface
- With locking clamp, indicator holder is optional
- Packed in styrofoam with carton or wooden box



## HEIGHT GAGE

Code	Range
IS11251-200	0-200mm
IS11251-300	0-300mm
IS11251-500	0-500mm
IS11251-600	0-600mm
IS11251-1000	0-1000mm
IS11251-8	0-8"
IS11251-12	0-12"
IS11251-20	0-20"
IS11251-24	0-24"
IS11251-40	0-40"

### Graduation:

Metric	Imperial
0.02mm	0.001"

- Carbide-tipped scriber, carbon steel chrome plated beam and slide, satin finish reading surface, with fine adjustment and locking clamp,
- Indicator holder is optional
- Packed in wooden box



## ELECTRONIC OUTSIDE MICROMETER



**IS13105**



**IS13101**

- Resolution: 0.001mm/0.00005"
- **IS13105**: IP54 protection, **IS13101**: IP65 protection
- Buttons: power on/off, data set, metric-inch conversion, absolute and incremental measurement, data output
- RS232 output, supplied with data output cable
- SR44 battery, with one spare battery, auto power off
- DIN863, painted frame, ratchet stop, spindle lock, with battery cover wrench, carbide tips, with spare spherical anvil
- Micrometers over 0-25mm/0-1" are supplied with standard rods
- Packed in plastic or wooden box

Code	Range
<b>IS13105-25</b>	0-25mm/0-1"
<b>IS13105-50</b>	25-50mm/1-2"
<b>IS13105-75</b>	50-75mm/2-3"
<b>IS13105-100</b>	75-100mm/3-4"
<b>IS13105-125</b>	100-125mm/4-5"
<b>IS13105-150</b>	125-150mm/5-6"
<b>IS13105-175</b>	150-175mm/6-7"
<b>IS13105-200</b>	175-200mm/7-8"
<b>IS13105-225</b>	200-225mm/8-9"
<b>IS13105-250</b>	225-250mm/9-10"
<b>IS13105-275</b>	250-275mm/10-11"
<b>IS13105-300</b>	275-300mm/11-12"
Code	Range
<b>IS13105-753</b>	0-75mm/0-3" (3pcs)
<b>IS13105-1004</b>	0-100mm/0-4" (4pcs)
<b>IS13105-1506</b>	0-150mm/0-6" (6pcs)

Code	Range
<b>IS13101-25</b>	0-25mm/0-1"
<b>IS13101-50</b>	25-50mm/1-2"
<b>IS13101-75</b>	50-75mm/2-3"
<b>IS13101-100</b>	75-100mm/3-4"
<b>IS13101-125</b>	100-125mm/4-5"
<b>IS13101-150</b>	125-150mm/5-6"
<b>IS13101-175</b>	150-175mm/6-7"
<b>IS13101-200</b>	175-200mm/7-8"
<b>IS13101-225</b>	200-225mm/8-9"
<b>IS13101-250</b>	225-250mm/9-10"
<b>IS13101-275</b>	250-275mm/10-11"
<b>IS13101-300</b>	275-300mm/11-12"
Code	Range
<b>IS13101-753</b>	0-75mm/0-3" (3pcs)
<b>IS13101-1004</b>	0-100mm/0-4" (4pcs)
<b>IS13101-1506</b>	0-150mm/0-6" (6pcs)

## OUTSIDE MICROMETER



Ratchet friction thimble

- Graduation: metric 0.01mm  
imperial 0.0001"
- DIN863, chrome plated frame, ratchet stop (ratchet friction thimble is optional), spindle lock, with zero adjusting wrench, carbide tips
- Micrometers over 0-25mm/0-1" are supplied with standard rods
- Packed in plastic box or wooden box

Code	Range	Code	Range
IS13200-25	0-25mm	IS13200-1	0-1"
IS13200-50	25-50mm	IS13200-2	1-2"
IS13200-75	50-75mm	IS13200-3	2-3"
IS13200-100	75-100mm	IS13200-4	3-4"
Code	Range	Code	Range
IS13200-753	0-75mm (3pcs)	IS13200-33	0-3" (3pcs)
IS13200-1004	0-100mm (4pcs)	IS13200-44	0-4" (4pcs)

## OUTSIDE MICROMETER



IS13203-25



IS13203-50

- Graduation: metric 0.01mm  
imperial 0.0001"
- DIN863, painted frame, ratchet stop, spindle lock, with zero adjusting wrench, carbide tips
- Micrometers over 0-25mm/0-1" are supplied with standard rods
- Packed in plastic box or wooden box

Code	Range	Code	Range
IS13203-25	0-25mm	IS13203-1	0-1"
IS13203-50	25-50mm	IS13203-2	1-2"
IS13203-75	50-75mm	IS13203-3	2-3"
IS13203-100	75-100mm	IS13203-4	3-4"
IS13203-125	100-125mm	IS13203-5	4-5"
IS13203-150	125-150mm	IS13203-6	5-6"
IS13203-175	150-175mm	IS13203-7	6-7"
IS13203-200	175-200mm	IS13203-8	7-8"
IS13203-225	200-225mm	IS13203-9	8-9"
IS13203-250	225-250mm	IS13203-10	9-10"
IS13203-275	250-275mm	IS13203-11	10-11"
IS13203-300	275-300mm	IS13203-12	11-12"

Code	Range	Code	Range
IS13203-753	0-75mm (3pcs)	IS13203-33	0-3" (3pcs)
IS13203-1004	0-100mm (4pcs)	IS13203-44	0-4" (4pcs)
IS13203-1506	0-150mm (6pcs)	IS13203-66	0-6" (6pcs)
IS13203-3006	150-300mm (6pcs)	IS13203-126	6-12" (6pcs)
IS13203-30012	0-300mm (12pcs)	IS13203-1212	0-12" (12pcs)

## OUTSIDE MICROMETER



Ratchet friction thimble

- Graduation: metric 0.01mm  
imperial 0.0001"
- Painted frame, ratchet stop (ratchet friction thimble is optional)
- Spindle lock, with zero adjusting wrench, carbide tips
- Micrometers over 0-25mm/0-1" are supplied with standard rods
- Packed in plastic box or wooden box

Code	Range	Code	Range
IS13202-25	0-25mm	IS13202-1	0-1"
IS13202-50	25-50mm	IS13202-2	1-2"
IS13202-75	50-75mm	IS13202-3	2-3"
IS13202-100	75-100mm	IS13202-4	3-4"
IS13202-125	100-125mm	IS13202-5	4-5"
IS13202-150	125-150mm	IS13202-6	5-6"
IS13202-175	150-175mm	IS13202-7	6-7"
IS13202-200	175-200mm	IS13202-8	7-8"

Code	Range	Code	Range
IS13202-753	0-75mm (3pcs)	IS13202-33	0-3" (3pcs)
IS13202-1004	0-100mm (4pcs)	IS13202-44	0-4" (4pcs)
IS13202-1506	0-150mm (6pcs)	IS13202-66	0-6" (6pcs)

## DEPTH MICROMETER



- Graduation: metric 0.01mm  
imperial 0.001"
- Through rods with flat tips (spherical tips are optional)
- Base length 101.5mm (63mm is optional)
- Ratchet stop, spindle lock, with zero adjusting wrench
- Packed in plastic box or wooden box

Code	Range
IS13241-25	0-25mm
IS13241-50	0-50mm
IS13241-100	0-100mm
IS13241-150	0-150mm
IS13241-200	0-200mm
IS13241-300	0-300mm

Code	Range
IS13241-1	0-1"
IS13241-2	0-2"
IS13241-4	0-4"
IS13241-6	0-6"
IS13241-8	0-8"
IS13241-12	0-12"

## DEPTH MICROMETER



- Graduation: metric 0.01mm  
imperial 0.001"
- Flat tips (spherical tips are optional)
- Base length 101.5mm (63mm is optional)
- Ratchet stop, spindle lock, with zero adjusting wrench
- Packed in plastic box or wooden box

Code	Range
IS13240-25	0-25mm
IS13240-50	0-50mm
IS13240-100	0-100mm
IS13240-150	0-150mm
IS13240-200	0-200mm
IS13240-300	0-300mm

Code	Range
IS13240-1	0-1"
IS13240-2	0-2"
IS13240-4	0-4"
IS13240-6	0-6"
IS13240-8	0-8"
IS13240-12	0-12"



## INTERNAL MICROMETER

- Graduation: metric 0.01mm  
imperial 0.001"
- Packed in plastic box or wooden box



Code	Range	Micrometer head	Code	Range	Micrometer head
IS13221-32	25-32mm	25-32mm	IS13221-125	1-1.25"	1-1.25"
IS13221-50	25-50mm		IS13221-2	1-2"	
IS13221-63	50-63mm	50-63mm	IS13221-25	2-2.5"	2-2.5"
IS13221-200	50-200mm		IS13221-8	2-8"	
IS13221-300	50-300mm		IS13221-12	2-12"	
IS13221-225	200-225mm	200-225mm	IS13221-9	8-9"	8-9"
IS13221-500	200-500mm		IS13221-20	8-20"	
IS13221-1000	200-1000mm		IS13221-40	8-40"	

## ELECTRONIC DIGITAL INDICATOR



Code	Range
IS12101-10	0-10mm/0-0.5"
IS12101-25	0-25mm/0-1"

- Resolution: 0.01mm/0.0005"
- Buttons: mm/inch, on/off, zero
- Lug back (flat back is optional)
- Stem diameter 8mm (3/8" is optional)
- CR2032 battery, with spare battery
- USB data output
- Packed in plastic box

## ELECTRONIC DIGITAL INDICATOR



Code	Range	Resolution
IS12105-102	0-10mm/0-0.5"	0.002mm/0.00005"
IS12105-101	0-10mm/0-0.5"	0.001mm/0.00005"

- Rotary dial face, digit/analog display
- Buttons: inch/mm, absolute/relative measurement, zero, power on, range measurement, tolerance measurement
- Auto power off, CR2032 battery, with spare battery
- Data output
- Lug back (flat back is optional)
- Stem diameter 8mm (3/8" is optional)
- Packed in plastic box

## DIAL INDICATOR



- Graduation: 0.01mm
- Bezel diameter 35mm
- Lug back (flat back is optional), stem diameter 8mm
- Aluminum body
- Packed in plastic box

Code	Range
IS12302-4	0-4mm

## DIAL INDICATOR



- Graduation: metric 0.01mm, imperial 0.001" (0.0005" is optional)
- Bezel diameter 40mm
- Meet DIN878 or ANSI B89.1.10
- Lug back (flat back is optional)
- Stem diameter: metric 8mm, imperial 3/8"
- With bezel locking clamp and tolerance index
- Black aluminum body
- Packed in plastic box

Code	Range
IS12304-1	0-1mm
IS12304-3	0-3mm
IS12304-5	0-5mm
IS12304-8	0-8mm
IS12304-10	0-10mm

Code	Range
IS12304-01	0-0.1"
IS12304-02	0-0.2"
IS12304-025	0-0.25"

## DIAL INDICATOR



- Graduation: metric 0.01mm, imperial 0.001" (0.0005" is optional)
- Bezel diameter 55mm
- Meet DIN878 or ANSI B89.1.10
- Lug back (flat back is optional)
- Stem diameter: metric 8mm, imperial 3/8"
- With bezel locking clamp and tolerance index
- Black aluminum body
- Packed in plastic box

Code	Range
IS12301-3	0-3mm
IS12301-5	0-5mm
IS12301-10	0-10mm

Code	Range
IS12301-025	0-0.25"
IS12301-05	0-0.5"
IS12301-1	0-1"



## MAGNETIC STAND

- Main stem: Ø12x176mm
- Assistant stem: Ø10x160mm
- Clamp hole 8mm (optional: hole 3/8" with or without sleeve)
- For dial indicators with lug back or plain back
- Base: 60x50x55mm with on/off switch
- Packed in carton box

Code	Magnetic force
IS16200-60	60kgf



## MAGNETIC STAND

- With fine adjustment
- Main stem: Ø12x176mm
- Assistant stem: Ø10x160mm
- Clamp hole 8mm (optional: hole 3/8" with or without sleeve)
- For dial indicators with lug back or plain back
- Base: 60x50x55mm with on/off switch
- Packed in carton box

Code	Magnetic force
IS16201-60	60kgf



## HEAVY DUTY MAGNETIC STAND

- With fine adjustment
- Clamp hole 8mm (optional: hole 3/8" with or without sleeve)
- For dial indicators with lug back or plain back
- Magnetic base with on/off switch
- Packed in carton box

Code	Magnetic force	Main stem	Assistant stem	Base
IS16202-80	80kgf	Ø16x225mm	Ø12x190mm	60x50x55mm
IS16202-100	100kgf	Ø20x360mm	Ø12x220mm	73x50x55mm

## MEASURING TABLE

- Granite base flatness DIN876 grade 00
- Clamp hole 8mm (optional: hole 3/8" with or without sleeve), with fine adjustment
- Packed in aluminum box

Code	Base	Column
IS16850-150	150X100x40mm	Ø18x100mm
IS16850-200	200x150x50mm	Ø35x250mm
IS16850-300	300x200x50mm	Ø35x300mm
IS16850-400	400x250x70mm	Ø35x300mm



## MEASURING TABLE

- Granite base flatness DIN876 grade 00
- Threaded column for fine adjustment
- Clamp hole 8mm (optional: hole 3/8" with or without sleeve), with fine adjustment
- Packed in aluminum box

Code	Base	Column
IS16855-150	150X100x40mm	Ø18x100mm
IS16855-200	200x150x50mm	Ø35x250mm
IS16855-300	300x200x50mm	Ø35x300mm
IS16855-400	400x250x70mm	Ø35x300mm



## MEASURING TABLE

- Granite base flatness DIN876 grade 00
- With two stops on the side of base
- Dovetail groove for test indicator
- Clamp hole 8mm (optional: hole 3/8" with or without sleeve)
- With fine adjustment
- Packed in aluminum box

Code	Base
IS16856-150	150X100x40mm
IS16856-200	200x150x50mm
IS16856-300	300x200x50mm
IS16856-400	400x250x70mm



## DIAL BORE GAGE



A



B



C



D



IS12322-160



IS12322-10

- Dial indicator graduation: metric 0.01mm,  
imperial 0.0005" (optional: 0.001")
- Dial indicator range: metric 0-3mm, shockproof  
imperial 0-0.25"
- Dial indicator with protection cover
- Ceramic contact moving tip and anvils (optional carbide moving tip and anvils) except  
moving tip and anvils of 6-10mm, moving tip of 10-18mm, moving tip of 18-35mm
- Insert type anvils for bore gages over 35mm
- Packed in blow mould case or wooden box

Code	Range	Depth	Dial indicator bezel	Anvil type
IS12322-10	6-10mm	40mm	42mm	A
IS12322-18	10-18mm	100mm	42mm	B
IS12322-35	18-35mm	150mm	58mm	C
IS12322-50	35-50mm	150mm	58mm	D
IS12322-100	50-100mm	150mm	58mm	D
IS12322-160	50-160mm	150mm	58mm	D
IS12322-250	160-250mm	250mm	58mm	D
IS12322-450	250-450mm	250mm	58mm	D
Code	Range	Depth	Dial indicator bezel	Anvil type
IS12323-04	0.24-0.4"	1.57"	2.28"	A
IS12323-07	0.4-0.7"	4"	2.28"	B
IS12323-15	0.7-1.5"	6"	2.28"	C
IS12323-24	1.4-2.4"	6"	2.28"	D
IS12323-4	2-4"	6"	2.28"	D
IS12323-6	2-6"	6"	2.28"	D
IS12323-10	6-10"	16"	2.28"	D
IS12323-16	10-16"	16"	2.28"	D

## DIAL BORE GAGE



Code	Range	Depth
IS12820-4	3-4mm	20mm
IS12820-6	4-6mm	30mm
IS12820-10	6-10mm	40mm
IS12820-18	10-18mm	130mm

- Dial indicator graduation: 0.01mm
- Dial indicator range: 0-3mm, jeweled
- Packed in wooden box

## BORE GAGE ZERO SET



- Used together with gage blocks to set zero of bore gage
- Packed in wooden box

Code	Range
IS12395-400	18-400mm/0.7-16"



## INSIDE DIAL CALIPER GAGE



- Graduation: metric 0.01mm  
imperial 0.0005"
- Round tip radius 0.3mm (optional: 0.5mm)
- Optional: sphere tip diameter 1.5mm
- Packed in aluminum box or plastic box

Code	Range	Arm length	Tip height
IS12222-15	5-15mm	20mm	1.5mm
IS12222-20	10-20mm	25mm	3.0mm
IS12222-30	20-30mm	30mm	6.5mm
IS12222-40	30-40mm	30mm	9.0mm
IS12222-50	40-50mm	30mm	9.0mm
Code	Range	Arm length	Tip height
IS12222-25	5-25mm	35mm	1.5mm
IS12222-301	10-30mm	55mm	3.5mm
IS12222-401	20-40mm	80mm	6.5mm
IS12222-501	30-50mm	80mm	8.5mm
IS12222-60	40-60mm	80mm	8.5mm

Code	Range	Arm length	Tip height
IS12222-E06	0.2-0.6"	0.787"	0.059"
IS12222-E08	0.4-0.8"	0.984"	0.118"
IS12222-E12	0.8-1.2"	1.181"	0.256"
IS12222-E16	1.2-1.6"	1.181"	0.354"
IS12222-E20	1.6-2.0"	1.181"	0.354"
Code	Range	Arm length	Tip height
IS12222-E10	0.2-1.0"	1.378"	0.059"
IS12222-E121	0.4-1.2"	2.165"	0.138"
IS12222-E161	0.8-1.6"	3.150"	0.256"
IS12222-E201	1.2-2.0"	3.150"	0.335"
IS12222-E24	1.6-2.4"	3.150"	0.335"



## OUTSIDE DIAL CALIPER GAGE



- Graduation: metric 0.01mm  
imperial 0.0005"
- Round tip radius 0.5mm (optional: 0.75mm)
- Optional: sphere tip diameter 1.5mm
- Packed in aluminum box or plastic box

Code	Range	Arm length	Tip height
IS12333-10	0-10mm	40mm	8mm
IS12333-20	10-20mm	40mm	8mm
IS12333-30	20-30mm	40mm	8mm
IS12333-40	30-40mm	40mm	8mm
IS12333-50	40-50mm	40mm	8mm
Code	Range	Arm length	Tip height
IS12333-201	0-20mm	80mm	25mm
IS12333-301	10-30mm	80mm	25mm
IS12333-401	20-40mm	80mm	25mm
IS12333-501	30-50mm	80mm	25mm
IS12333-601	40-60mm	80mm	25mm

Code	Range	Arm length	Tip height
IS12333-E04	0-0.4"	1.575"	0.315"
IS12333-E08	0.4-0.8"	1.575"	0.315"
IS12333-E12	0.8-1.2"	1.575"	0.315"
IS12333-E16	1.2-1.6"	1.575"	0.315"
IS12333-E20	1.6-2.0"	1.575"	0.315"
Code	Range	Arm length	Tip height
IS12333-E081	0-0.8"	3.150"	0.984"
IS12333-E121	0.4-1.2"	3.150"	0.984"
IS12333-E161	0.8-1.6"	3.150"	0.984"
IS12333-E201	1.2-2.0"	3.150"	0.984"
IS12333-E24	1.6-2.4"	3.150"	0.984"

## ELECTRONIC DIGITAL INSIDE CALIPER GAGE



- Resolution: 0.01mm/0.0005"
- Round tip radius 0.3mm (optional: 0.5mm)
- Optional: sphere tip diameter 1.5mm
- Rotary display, with digit and analog display
- RS232 output port, auto power off
- Functions: data set, absolute and relative measurement, mm/inch, max/min, data holding, tolerance measurement
- With spare battery
- Packed in aluminum box or plastic box

Code	Range	Arm length	Tip height
IS12121-15	5-15mm/0.2-0.6"	20mm	1.5mm
IS12121-20	10-20mm/0.4-0.8"	25mm	3.0mm
IS12121-30	20-30mm/0.8-1.2"	30mm	6.5mm
IS12121-40	30-40mm/1.2-1.6"	30mm	9.0mm
IS12121-50	40-50mm/1.6-2.0"	30mm	9.0mm

Code	Range	Arm length	Tip height
IS12121-25	5-25mm/0.2-1.0"	35mm	1.5mm
IS12121-31	10-30mm/0.4-1.2"	55mm	3.5mm
IS12121-41	20-40mm/0.8-1.6"	80mm	6.5mm
IS12121-51	30-50mm/1.2-2.0"	80mm	8.5mm
IS12121-61	40-60mm/1.6-2.4"	80mm	8.5mm

## ELECTRONIC DIGITAL OUTSIDE CALIPER GAGE



- Resolution: 0.01mm/0.0005"
- Round tip radius 0.5mm (optional: 0.75mm)
- Optional: sphere tip diameter 1.5mm
- Rotary display, with digit and analog display
- RS232 output port, auto power off
- Functions: data set, absolute and relative measurement, mm/inch, max/min, data holding, tolerance measurement
- With spare battery
- Packed in aluminum box or plastic box

Code	Range	Arm length	Tip height
IS12131-10	0-10mm/0-0.4"	40mm	8mm
IS12131-20	10-20mm/0.4-0.8"	40mm	8mm
IS12131-30	20-30mm/0.8-1.2"	40mm	8mm
IS12131-40	30-40mm/1.2-1.6"	40mm	8mm
IS12131-50	40-50mm/1.6-2.0"	40mm	8mm

Code	Range	Arm length	Tip height
IS12131-21	0-20mm/0-0.8"	80mm	25mm
IS12131-31	10-30mm/0.4-1.2"	80mm	25mm
IS12131-41	20-40mm/0.8-1.6"	80mm	25mm
IS12131-51	30-50mm/1.2-2.0"	80mm	25mm
IS12131-61	40-60mm/1.6-2.4"	80mm	25mm

## THICKNESS GAGE

- Lie-down use is possible for small article on the table
- Aluminum body
- Bezel diameter 40mm
- Measuring depth 14mm
- Packed in plastic box

Code	Range	Graduation
IS12361-10	0-10mm	0.1mm



## THICKNESS GAGE

- Stainless steel measuring tips diameter 6mm
- Aluminum body
- Bezel diameter 43mm
- Measuring depth 10mm
- Packed in plastic box

Code	Range	Graduation
IS12363-10	0-10mm	0.01mm

Code	Range	Graduation
IS12363-051	0-0.5"	0.001"
IS12363-055	0-0.5"	0.0005"



## THICKNESS GAGE

- Ceramic measuring tips diameter 10mm
- Aluminum body
- Bezel diameter 55mm
- Measuring depth 25mm
- Packed in plastic box

Code	Range	Graduation
IS12861-10	0-10mm	0.01mm



## 90 ° TOOL MAKER SQUARE



- DIN875 grade 00
- Made of hardened stainless steel
- One knife edge
- Lapped measuring faces
- Packed in plastic box

Code	Size
IS14790-025	25x20mm
IS14790-040	40x28mm

## 90 ° KNIFE EDGE SQUARE



- DIN875 grade 00 (optional: grade 0 and 1)
- Made of hardened stainless steel
- Two knife edges
- Lapped measuring faces
- Chrome plating (optional: without chrome plating)
- Packed in plastic box or wooden box

Code	Size
IS14790-050	50x40mm
IS14790-075	75x50mm
IS14790-0100	100x70mm
IS14790-0150	150x100mm
IS14790-0200	200x130mm
IS14790-0250	250x165mm
IS14790-0300	300x200mm

## 90 ° FLAT EDGE SQUARE

- DIN875 grade 0
- Flat edge
- Made of hardened stainless steel
- Lapped measuring faces
- Packed in plastic box or wooden box

Code	Size
IS14790-150	50x40mm
IS14790-175	75x50mm
IS14790-1100	100x70mm
IS14790-1150	150x100mm
IS14790-1200	200x130mm
IS14790-1250	250x165mm
IS14790-1300	300x200mm



## ADJUSTABLE SQUARE



- DIN875 grade 00
- The straight edge can be moved and locked by the clamping screw
- Made of hardened stainless steel
- Lapped measuring faces
- Packed in plastic box

Code	Size of block	Size of straight edge
IS14701-1	40x22x10mm	6x4x4mm

## 45 ° SQUARE



- DIN875 grade 2 (optional: grade 1)
- Flat edge
- Made of hardened stainless steel
- Packed in plastic box or wooden box

Code	Size
IS14745-1100	100x70mm
IS14745-1120	120x80mm
IS14745-1150	150x100mm
IS14745-1200	200x130mm
IS14745-1250	250x160mm
IS14745-1300	300x200mm

## 45 ° SQUARE WITH WIDE BASE



- DIN875 grade 2 (optional: grade 1)
- Flatedge
- Made of hardened stainless steel
- Packed in plastic box or wooden box

Code	Size
IS14745-2100	100x70mm
IS14745-2120	120x80mm
IS14745-2150	150x100mm
IS14745-2200	200x130mm
IS14745-2250	250x160mm
IS14745-2300	300x200mm

## COMBINATION SQUARE SET



Code

IS12278-180

- Used as square, level, marking gage, scribe, center gage, protractor and steel rule
- Square 90° and 45°, with level and scribe
- Protractor graduated 180° in both directions, with level
- Blade graduation: 1/2mm and 1/32" on one side, 1mm and 1/64" on reverse side
- Packed in plastic box

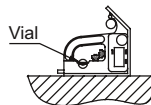
## ELECTRONIC COMBINATION SQUARE



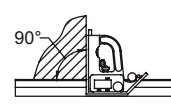
Code

IS12174

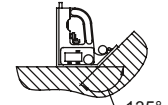
- Patented
- Supplied with level vial and scribe
- Blade is graduated in 1/32" and 1mm
- Packed in plastic box



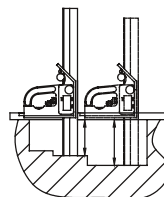
Level



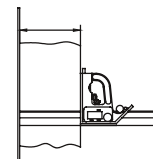
Check 90° angle



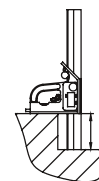
Check 135° angle



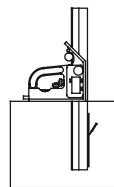
Depth measurement



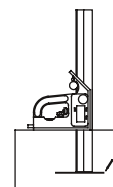
Length measurement



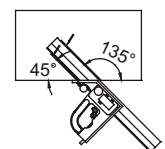
Depth measurement



Marking



Marking



Marking

## GRANITE SURFACE PLATE



Code	Size
IS16900-300	300x200x60mm
IS16900-400	400x250x60mm
IS16900-400-1	400x400x60mm
IS16900-500	500x315x70mm
IS16900-500-1	500x500x80mm
IS16900-630	630x400x80mm
IS16900-630-1	630x630x100mm
IS16900-800	800x500x100mm
IS16900-1000	1000x630x140mm
IS16900-1000-1	1000x750x150mm
IS16900-1000-2	1000x1000x150mm
IS16900-1200	1200x800x160mm
IS16900-1600	1600x1000x180mm
IS16900-2000	2000x1000x220mm
IS16900-2000	2000x1500x250mm
IS16900-2500	2500x1500x300mm
IS16900-3000	3000x2000x400mm

- DIN876 grade 00 is standard, grade 0 and grade 1 are optional
- Made of granite, free from deterioration or dimensional change over time, minimal changes in dimension due to temperature changes
- Twice as hard as cast iron, long life and no rusty
- With certificate
- Packed in wooden case



## SINE TABLE



- Designed for setting and checking of precision angles with gauge blocks
- Alloy steel, hardened, ground and lapped to accuracy  $5\text{ }\mu\text{m}/100\text{mm}$ , roughness  $0.8\text{ }\mu\text{m}$
- Packed in wooden box

Code	Roller distance (center to center)	Table size
IS14150-130	100mm	130x25mm
IS14150-130-1	100mm	130x80mm
IS14150-250	200mm	250x45mm
IS14150-250-1	200mm	250x80mm

## SINE PLATE



Code	Roller distance (center to center)	Table size
IS14151-115	76.2mm	115x100mm
IS14151-165	127mm	165x75mm
IS14151-165-1	127mm	165x125mm
IS14151-165-2	127mm	165x150mm
IS14151-165-3	127mm	165x300mm
IS14151-200	127mm	200x300mm
IS14151-300	254mm	300x150mm
IS14151-300-1	254mm	300x300mm

- Designed for setting and checking of precision angles with gauge blocks
- Alloy steel, hardened, ground and lapped
- Parallelism and squareness are  $5\text{ }\mu\text{m}/100\text{mm}$
- Packed in wooden box

## DIN861 RECTANGULAR GAGE BLOCKS



- Made of alloy steel (carbide is optional)
- With individual certificate
- Meet DIN861 grade 0 (grade 1 and 2 are optional)
- Packed in wooden box

Code	Total quantity	Size (mm)	Step (mm)
IS14101-32	32pcs	1.005	
		1.01 - 1.09	0.01
		1.1 - 1.9	0.1
		1 - 9	1
		10 - 30	10
		50	
IS14101-47	47pcs	1.005	
		1.01 - 1.19	0.01
		1.2 - 1.9	0.1
		1 - 9	1
		10 - 100	10
IS14101-76	76pcs	1.005	
		1.01 - 1.49	0.01
		0.5 - 9.5	0.5
		10 - 50	10
		75 - 100	25
IS14101-87	87pcs	1.001 - 1.009	0.001
		1.01 - 1.49	0.01
		0.5 - 9.5	0.5
		10 - 100	10
IS14101-103	103pcs	1.005	
		1.01 - 1.49	0.01
		0.5 - 24.5	0.5
		25 - 100	25
IS14101-112	112pcs	0.5	
		1	
		1.0005	
		1.001 - 1.009	0.001
		1.01 - 1.49	0.01
		1.5 - 25	0.5
		50 - 100	25

## IMPERIAL ROUND GAGE BLOCKS



- Accuracy  $\pm 0.0001"$  ( $\pm 0.00005"$  is optional)
- With threaded hole in each block
- 4 connecting screws and 1 wrench are included
- Made of alloy steel
- Packed in wooden box

Code	Total quantity	Size (inch)	Step (inch)
IS14103-36	36pcs	0.050 - 0.190	0.01
		0.101 - 0.109	0.001
		0.200 - 1	0.1
		0.625	
		0.125	
		1	

## GAGE BLOCKS FOR CALIPER INSPECTION



- For check calipers
- Made of alloy steel
- Packed in wooden box

Code	Total quantity	Size(mm)	
IS14108-6	6pcs	41.2, 81.5, 121.8, 10, 20, 20	for 0-125mm, 0-150mm caliper
IS14108-6-1	6pcs	51.2, 121.5, 191.8, 10, 20, 20	for 0-200mm caliper
IS14108-12	12pcs	10, 20, 20, 41.2, 51.2, 81.5, 101.2, 121.5, 121.8, 191.8, 201.5, 291.8	for 0-125mm, 0-150mm, 0-200mm, 0-300mm caliper
IS14108-6-2	6pcs	101.2, 200, 291.5, 375, 451.8, 490	for 0-500mm caliper
IS14108-6-3	6pcs	201.2, 400, 581.5, 750, 901.8, 990	for 0-1000mm caliper

## METRIC PIN GAGE

- Measure hole size, calculate distance between holes, gage slot width, use for GO/NO GO gage
- Accuracy 0.0025mm, 0.0015mm, 0.001mm and 0.0005mm are optional
- Made of steel
- Packed in plastic box or wooden box



Code	Quantity (pcs)	Size (mm)	Step	Accuracy
IS14161-1-1	71	0.30 - 1.00	0.01mm	+0.002mm
IS14161-2-1	100	1.01 - 2.00	0.01mm	+0.002mm
IS14161-3-1	100	2.01 - 3.00	0.01mm	+0.002mm
IS14161-4-1	100	3.01 - 4.00	0.01mm	+0.002mm
IS14161-5-1	100	4.01 - 5.00	0.01mm	+0.002mm
IS14161-6-1	100	5.01 - 6.00	0.01mm	+0.002mm
IS14161-7-1	100	6.01 - 7.00	0.01mm	+0.002mm
IS14161-8-1	100	7.01 - 8.00	0.01mm	+0.002mm
IS14161-9-1	100	8.01 - 9.00	0.01mm	+0.002mm
IS14161-10-1	100	9.01 - 10.00	0.01mm	+0.002mm
IS14161-11-1	100	10.01 - 11.00	0.01mm	+0.002mm
IS14161-12-1	100	11.01 - 12.00	0.01mm	+0.002mm
IS14161-13-1	100	12.01 - 13.00	0.01mm	+0.002mm
IS14161-14-1	100	13.01 - 14.00	0.01mm	+0.002mm
IS14161-15-1	100	14.01 - 15.00	0.01mm	+0.002mm
IS14161-16-1	100	15.01 - 16.00	0.01mm	+0.002mm
IS14161-17-1	100	16.01 - 17.00	0.01mm	+0.002mm
IS14161-18-1	100	17.01 - 18.00	0.01mm	+0.002mm
IS14161-19-1	100	18.01 - 19.00	0.01mm	+0.002mm
IS14161-20-1	100	19.01 - 20.00	0.01mm	+0.002mm
Code	Quantity (pcs)	Size (mm)	Step	Accuracy
IS14161-1-2	71	0.30 - 1.00	0.01mm	-0.002mm
IS14161-2-2	100	1.01 - 2.00	0.01mm	-0.002mm
IS14161-3-2	100	2.01 - 3.00	0.01mm	-0.002mm
IS14161-4-2	100	3.01 - 4.00	0.01mm	-0.002mm
IS14161-5-2	100	4.01 - 5.00	0.01mm	-0.002mm
IS14161-6-2	100	5.01 - 6.00	0.01mm	-0.002mm
IS14161-7-2	100	6.01 - 7.00	0.01mm	-0.002mm
IS14161-8-2	100	7.01 - 8.00	0.01mm	-0.002mm
IS14161-9-2	100	8.01 - 9.00	0.01mm	-0.002mm
IS14161-10-2	100	9.01 - 10.00	0.01mm	-0.002mm
IS14161-11-2	100	10.01 - 11.00	0.01mm	-0.002mm
IS14161-12-2	100	11.01 - 12.00	0.01mm	-0.002mm
IS14161-13-2	100	12.01 - 13.00	0.01mm	-0.002mm
IS14161-14-2	100	13.01 - 14.00	0.01mm	-0.002mm
IS14161-15-2	100	14.01 - 15.00	0.01mm	-0.002mm
IS14161-16-2	100	15.01 - 16.00	0.01mm	-0.002mm
IS14161-17-2	100	16.01 - 17.00	0.01mm	-0.002mm
IS14161-18-2	100	17.01 - 18.00	0.01mm	-0.002mm
IS14161-19-2	100	18.01 - 19.00	0.01mm	-0.002mm
IS14161-20-2	100	19.01 - 20.00	0.01mm	-0.002mm

## METRIC THREAD PLUG GAGE



- Accuracy grade 6H (optional grade 5H, 6G, 7H)
- Standard DIN 13 or ISO 1502-96
- Larger sizes are available upon request
- Double ends with Go and No Go
- Packed in plastic box or wooden box

Code	Size	Standard pitch (mm)	Optional pitch (mm)				
			1	2	3	4	5
IS14130-1	M1.0	0.25	0.20				
IS14130-1D1	M1.1	0.25	0.20				
IS14130-1D2	M1.2	0.25	0.20				
IS14130-1D4	M1.4	0.30	0.20				
IS14130-1D6	M1.6	0.35	0.20				
IS14130-1D8	M1.8	0.35	0.20				
IS14130-2	M2.0	0.40	0.25				
IS14130-2D2	M2.2	0.45	0.25				
IS14130-2D5	M2.5	0.45	0.35				
IS14130-3	M3.0	0.50	0.35				
IS14130-3D5	M3.5	0.60	0.35				
IS14130-4	M4.0	0.70	0.50				
IS14130-5	M5.0	0.80	0.50				
IS14130-6	M6.0	1.00	0.75	0.50			
IS14130-8	M8.0	1.25	1.00	0.75	0.50		
IS14130-10	M10.0	1.50	1.25	1.00	0.75	0.50	
IS14130-12	M12.0	1.75	1.50	1.25	1.00	0.75	0.50
IS14130-14	M14.0	2.00	1.50	1.25	1.00	0.75	0.50
IS14130-16	M16.0	2.00	1.50	1.00	0.75	0.50	
IS14130-18	M18.0	2.50	2.00	1.50	1.00	0.75	0.50
IS14130-20	M20.0	2.50	2.00	1.50	1.00	0.75	0.50
IS14130-22	M22.0	2.50	2.00	1.50	1.00	0.75	0.50
IS14130-24	M24.0	3.00	2.00	1.50	1.00	0.75	0.50
IS14130-27	M27.0	3.00	2.00	1.50	1.00	0.75	
IS14130-30	M30.0	3.50	3.00	2.00	1.50	1.00	0.75

To be continued

## TAPER PIPE THREAD PLUG GAGE

Code	Thread
IS14122-1S16-27	1/16-27NPT
IS14122-1S8-27	1/8-27NPT
IS14122-1S4-18	1/4-18NPT
IS14122-3S8-18	3/8-18NPT
IS14122-1S2-14	1/2-14NPT
IS14122-3S4-14	3/4-14NPT
IS14122-1-115	1-11.5NPT
IS14122-1-1S4-115	1-1/4-11.5NPT
IS14122-1-1S2-115	1-1/2-11.5NPT
IS14122-2-18	2-18NPT
IS14122-2-1S2-8	2-1/2-8NPT
IS14122-3S8	3/8NPT

- American National Taper Pipe Thread Gages (NPT), in accordance with H-28
- Larger sizes are available upon receipt
- Packed in plastic box or wooden box



## TAPER PIPE THREAD RING GAGE

Code	Thread
IS14123-1S16-27	1/16-27NPT
IS14123-1S8-27	1/8-27NPT
IS14123-1S4-18	1/4-18NPT
IS14123-3S8-18	3/8-18NPT
IS14123-1S2-14	1/2-14NPT
IS14123-3S4-14	3/4-14NPT
IS14123-1-115	1-11.5NPT
IS14123-1-1S4-115	1-1/4-11.5NPT
IS14123-1-1S2-115	1-1/2-11.5NPT
IS14123-2-18	2-18NPT
IS14123-2-1S2-8	2-1/2-8NPT
IS14123-3S8	3/8NPT

- American National Taper Pipe Thread Gages (NPT), in accordance with H-28
- Larger sizes are available upon receipt
- Packed in plastic box or wooden box



## PLAIN PLUG GAGE

- Conform to DIN 2245 or DIN 2246
- Accuracy grade H7 (optional grade H6, H8)
- Other sizes are available upon request
- Double ends with Go and No Go
- Packed in plastic box or wooden box



Code	Size(mm)	Code	Size(mm)	Code	Size(mm)	Code	Size(mm)
IS14124-1D8	1.8	IS14124-20	20	IS14124-42	42	IS14124-90	90
IS14124-2	2	IS14124-21	21	IS14124-44	44	IS14124-92	92
IS14124-2D5	2.5	IS14124-22	22	IS14124-45	45	IS14124-95	95
IS14124-3	3	IS14124-23	23	IS14124-46	46	IS14124-98	98
IS14124-3D5	3.5	IS14124-24	24	IS14124-47	47	IS14124-100	100
IS14124-4	4	IS14124-25	25	IS14124-48	48	IS14124-105	105
IS14124-4D5	4.5	IS14124-26	26	IS14124-50	50	IS14124-110	110
IS14124-5	5	IS14124-27	27	IS14124-52	52	IS14124-115	115
IS14124-6	6	IS14124-28	28	IS14124-55	55	IS14124-120	120
IS14124-7	7	IS14124-29	29	IS14124-58	58	IS14124-125	125
IS14124-8	8	IS14124-30	30	IS14124-60	60	IS14124-130	130
IS14124-9	9	IS14124-31	31	IS14124-62	62	IS14124-150	150
IS14124-10	10	IS14124-32	32	IS14124-65	65	IS14124-165	165
IS14124-11	11	IS14124-33	33	IS14124-68	68	IS14124-180	180
IS14124-12	12	IS14124-34	34	IS14124-70	70	IS14124-200	200
IS14124-13	13	IS14124-35	35	IS14124-72	72	IS14124-220	220
IS14124-14	14	IS14124-36	36	IS14124-75	75	IS14124-240	240
IS14124-15	15	IS14124-37	37	IS14124-80	80	IS14124-250	250
IS14124-16	16	IS14124-38	38	IS14124-82	82	IS14124-260	260
IS14124-17	17	IS14124-39	39	IS14124-85	85	IS14124-280	280
IS14124-18	18	IS14124-40	40	IS14124-88	88	IS14124-300	300
IS14124-19	19						

## METRIC FEELER GAGE

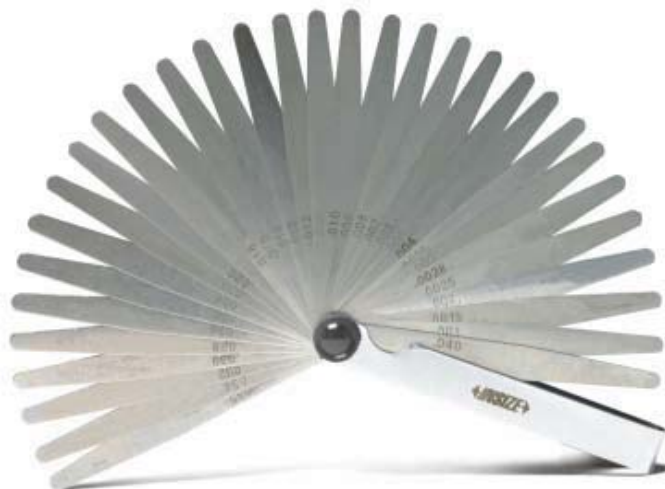
- Straight blades, length 75mm
- Each blade is marked with metric/imperial size
- Made of hardened spring steel
- Packed in plastic pouch



Code	Range	Size of blade	Quantity of blade
IS14601-75-9	0.04-0.30mm	0.04, 0.05, 0.06, 0.07, 0.08, 0.10, 0.15, 0.20, 0.30mm	9pcs
IS14601-75-9-1	0.06-0.60mm	0.06, 0.10, 0.15, 0.20, 0.30, 0.35, 0.40, 0.50, 0.60mm	9pcs
IS14601-75-10	0.10-1.00mm	0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00mm	10pcs
IS14601-75-15	0.06-0.70mm	0.06, 0.07, 0.08, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.70mm	15pcs
IS14601-75-25	0.04-1.00mm	0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00mm	25pcs

## METRIC FEELER GAGE

- Tapered blades, length 100mm
- Each blade is marked with metric/imperial size
- Made of hardened spring steel
- Packed in plastic pouch



Code	Range	Size of blade	Quantity of blade
IS14602-100-8	0.05-0.50mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50mm	8pcs
IS14602-100-10	0.05-0.80mm	0.05, 0.10, 0.15, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80mm	10pcs
IS14602-100-13	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00mm	13pcs
IS14602-100-17	0.02-1.00mm	0.02, 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.75, 1.00mm	17pcs
IS14602-100-20	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00mm	20pcs
IS14602-100-21	0.05-2.00mm	0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00, 1.10, 1.20, 1.30, 1.40, 1.50, 1.60, 1.70, 1.80, 1.90, 2.00mm	21pcs
IS14602-100-32	0.03-1.00mm	0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.13, 0.15, 0.18, 0.20, 0.23, 0.25, 0.28, 0.30, 0.33, 0.35, 0.38, 0.40, 0.45, 0.50, 0.55, 0.60, 0.70, 0.75, 0.80, 0.90, 1.00mm	32pcs



## METRIC LONG FEELER GAGE



- Straight blades
- Each blade is marked with metric/imperial size
- Made of hardened spring steel
- Connected with ring
- Packed in plastic pouch

Code	Range	Size of blade	Quantity of blade	Length of blade
IS14605-13	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00mm	13pcs	150mm
IS14605-13-1	0.05-1.00mm		13pcs	200mm
IS14605-13-2	0.05-1.00mm		13pcs	300mm
IS14605-20	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00mm	20pcs	150mm
IS14605-20-1	0.05-1.00mm		20pcs	200mm
IS14605-20-2	0.05-1.00mm		20pcs	300mm

## METRIC BRASS FEELER GAGE



- Tapered blades, length 100mm
- Each blade is marked with metric/imperial size
- Made of brass
- Packed in plastic pouch

Code	Range	Size of blade	Quantity of blade
IS14606-100-13	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00mm	13pcs
IS14606-100-20	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00mm	20pcs

## IMPERIAL FEELER GAGE



- Straight blades, length 1-3/4"
- Each blade is marked with imperial/metric size
- Made of hardened spring steel
- Packed in plastic pouch

Code	Range	Size of blade	Quantity of blade
IS14601-175E-17	0.010-0.035"	0.010, 0.012, 0.013, 0.015, 0.016, 0.017, 0.018, 0.019, 0.020, 0.022, 0.024, 0.025, 0.026, 0.028, 0.030, 0.032, 0.035inch	17pcs

## IMPERIAL FEELER GAGE



- Tapered blades, length 3"
- Each blade is marked with imperial/metric size
- Made of hardened spring steel
- Packed in plastic pouch

Code	Range	Size of blade	Quantity of blade
IS14602-3E-26	0.0015-0.025"	0.0015, 0.002, 0.0025, 0.003, 0.004, 0.005, 0.006, 0.007, 0.008, 0.009, 0.010, 0.011, 0.012, 0.013, 0.014, 0.015, 0.016, 0.017, 0.018, 0.019, 0.020, 0.021, 0.022, 0.023, 0.024, 0.025inch	26pcs

## PITCH GAGE



- Made of alloy steel, precision ground
- Blades marked with thread size
- Packed in plastic pouch

Code	Range	Thread type	Size of blade	Quantity of blade
IS14820-21	0.4-7.0mm	METRIC 60°	0.4, 0.5, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm	21pcs
IS14820-24	0.25-7.0mm	METRIC 60°	0.25, 0.3, 0.35, 0.4, 0.5, 0.7, 0.75, 0.8, 0.9, 1, 1.15, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm	24pcs
Code	Range	Thread type	Size of blade	Quantity of blade
IS14823-30	4-42TPI	UNIFIED 60°	4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42TPI	30pcs
IS14823-23	4-62TPI	UNIFIED 60°	4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 20, 22, 24, 32, 40, 48, 56, 62TPI	23pcs
Code	Range	Thread type	Size of blade	Quantity of blade
IS14821-30	4-42TPI	WHITWORTH 55°	4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42TPI	30pcs
IS14821-28	4-62TPI	WHITWORTH 55°	4, 4-1/2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32, 36, 40, 48, 60, 62TPI	28pcs

## PITCH GAGE



- Made of alloy steel, precision ground
- Blades marked with thread size
- Packed in plastic pouch

Code	Range	Thread type	Size of blade	Quantity of blade
IS14824-12	2-20mm	30°	2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 16, 20mm	12pcs
Code	Range	Thread type	Size of blade	Quantity of blade
IS14824-16	1-12TPI	29°	1, 1-1/3, 1-1/2, 1-3/4, 2, 2-1/2, 3, 3-1/2, 4, 5, 6, 7, 8, 9, 10, 12TPI	16pcs

## RADIUS GAGE



- Made of alloy steel, precision ground
- Concave/convex surfaces with radius on each blade
- Packed in plastic pouch

Code	Range	Size of blade	Concave blade	Convex blade
IS14801-17	1-7mm	1, 1.25, 1.5, 1.75, 2, 2.25, 2.5, 2.75, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm	17pcs	17pcs
IS14802-16	7.5-15mm	7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13, 13.5, 14, 14.5, 15mm	16pcs	16pcs
IS14803-15	15.5-25mm	15.5, 16, 16.5, 17, 17.5, 18, 18.5, 19, 19.5, 20, 21, 22, 23, 24, 25mm	15pcs	15pcs

## RADIUS GAGE SET



- Made of alloy steel, precision ground
- Each piece has 5 concave or convex gaging surfaces
- Packed in plastic pouch

Code	Range	Size of blade	Quantity of blade	Handle
IS14804-26	0.5 to 13mm	0.5, 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13mm	26pcs	With
IS14804-22	0.5 to 15mm	0.5, 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 8, 9, 10, 11, 12, 13, 14, 15mm	22pcs	With
Code	Range	Size of blade	Quantity of blade	Handle
IS14804-25E	1/64 to 1/2"	1/64, 1/32, 3/64, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 7/32, 15/64, 1/4, 17/64, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2"	25pcs	With
IS14804-8E	9/16 to 1"	9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"	8pcs	Without
IS14804-8E-1	1-1/16" to 1-1/2"	1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2"	8pcs	Without
IS14804-26E	0.010 to 0.5"	0.010, 0.015, 0.020, 0.025, 0.030, 0.040, 0.050, 0.060, 0.070, 0.080, 0.090, 0.100, 0.12, 0.14, 0.16, 0.18, 0.20, 0.22, 0.24, 0.26, 0.28, 0.30, 0.35, 0.40, 0.45, 0.50"	26pcs	With
IS14804-10E	0.55 to 1"	0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1"	10pcs	Without

## CENTER ANGLE GAGE

- Each piece has 4 angle gaging surfaces
- Packed in plastic bag

Code	Range	Graduation
IS14810-60-1	60°	1mm and 0.5mm on one side
IS14810-60-2	60°	14ths and 20ths on one side, 24ths and 32ths on another side
IS14810-55	55°	14ths and 20ths on one side



## ANGLE GAGE

- For internal angles
- Made of alloy steel, precision ground
- Blades marked with angles
- Packed in plastic pouch



Code	Range	Size of blade	Quantity of blade
IS14806-20	1°-45°	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 16, 18, 20, 25, 30, 35, 40, 45°	20pcs

## ANGLE GAGE SET

Code
IS14807

Primary angle	1/2 primary angle	Complimentary angle
5°	2°30"	175°
10°	5°	170°
15°	7°30"	165°
20°	10°	160°
25°	12°30"	155°
30°	15°	150°
35°	17°30"	145°
40°	20°	140°
45°	22°30"	135°
50°	25°	130°
55°	27°30"	125°
60°	30°	120°
65°	32°30"	115°
70°	35°	110°
75°	37°30"	105°
80°	40°	100°
85°	42°30"	95°
90°	45°	90°



- Consisting of 18 blades, each blade checks primary, 1/2 primary and complimentary angles
- Each blade has 8 gaging surfaces
- For inside and outside checking
- Made of alloy steel, precision ground
- Blades marked with angles
- Packed in plastic pouch



## KEYWAY GAGE

Code	Range
IS14811-80	5-80mm
IS14811-120	6-120mm
IS14811-160	7-160mm
IS14811-200	8-200mm

- To measure the depth of keyway
- Graduation: 0.05mm
- Made of stainless steel
- Packed in plastic box

## WIRE GAGE



Code	Range
IS14808	0-36

- American standard used for gaging non-ferrous wire and metals such as copper, brass and aluminum
- Hardened and chrome finished
- Packed in plastic bag

## SHEET METAL GAGE



Code	Range
IS14809	0-36

- US standard for gaging sheet metal, plate iron and steel
- Hardened and chrome finished
- Packed in plastic bag



## SURFACE ROUGHNESS COMPARATOR

### Code

IS14131

- Features group of standards for checking, identifying and specifying by symbol the degree of roughness of machine parts
- Packed in pouch

### Including:

2pcs flat lapping	2, 4 $\mu$ "
	0.1, 0.05 $\mu$ m
4pcs external grinding	8, 16, 32, 63 $\mu$ "
	0.2, 0.4, 0.8, 1.6 $\mu$ m
6pcs plain grinding	2, 4, 8, 16, 32, 63 $\mu$ "
	0.05, 0.1, 0.2, 0.4, 0.8, 1.6 $\mu$ m
6pcs horizontal milling	16, 32, 63, 125, 250, 500 $\mu$ "
	0.4, 0.8, 1.6, 3.2, 6.3, 12.5 $\mu$ m
6pcs vertical milling	16, 32, 63, 125, 250, 500 $\mu$ "
	0.4, 0.8, 1.6, 3.2, 6.3, 12.5 $\mu$ m
6pcs turning	16, 32, 63, 125, 250, 500 $\mu$ "
	0.4, 0.8, 1.6, 3.2, 6.3, 12.5 $\mu$ m



## TELESCOPING GAGE SET



- Self centering feature for quick measurement of inside diameters of holes and widths of slots with a micrometer
- Both gaging ends are heat treated stainless steel and ground to a radius
- Satin chrome finished
- Packed in plastic pouch

Code	Range
IS14206-1	8-150mm(5/16-6")
6pcs including:	A: 8 to 12.7mm(5/16 to 1/2")
	B: 12.7 to 19mm(1/2 to 3/4")
	C: 19 to 32mm(3/4 to 1-1/4")
	D: 32 to 54mm(1-1/4 to 2-1/8")
	E: 54 to 90mm(2-1/8 to 3-1/2")
	F: 90 to 150mm(3-1/2 to 6")

## SMALL HOLE GAGE



- For small holes, slots and grooves, etc.
- Satin chrome finished
- Packed in plastic pouch

Code	Range
IS14208-1	3-13mm(0.125-0.500")
4pcs including:	A: 3 to 5mm(0.125 to .200")
	B: 5 to 7.5mm(0.200 to .300")
	C: 7.5 to 10mm(0.300 to .400")
	D: 10 to 13mm(0.400 to .500")

## PROTRACTOR



- Range 0-180°, two directions, graduation 1°
- With locking screw
- Packed in leathery pouch

Code	Diameter of protractor	Length of blade
IS14780-85	85mm	150mm

## PROTRACTOR



Code	Diameter of protractor	Length of blade
IS14799-180	80mm	120mm
IS14799-1120	120mm	150mm
IS14799-1150	150mm	200mm
IS14799-1200	200mm	300mm
IS14799-1300	300mm	500mm

- Range 0-180°, graduation 1°
- Scale satin chrome plated
- With locking screw
- Packed in leathery pouch

## PROTRACTOR



Code	Diameter of protractor	Length of blade
IS14799-3100	100mm	150mm
IS14799-3150	150mm	300mm
IS14799-3200	200mm	400mm
IS14799-3250	250mm	500mm
IS14799-3300	300mm	600mm

- Range 10-170°, graduation 1°
- Scale satin chrome plated
- With locking screw
- Packed in leathery pouch



## PROTRACTOR

- With locking screw
- Packed in leathery pouch

Code	Range
IS14798	0-180°



## PROTRACTOR



Code	Range
IS12372-360	0-360°

- Graduation 5', parallax-free reading, satin chrome plated scale
- With fine adjustment and locking screw
- Two blades: 150mm and 300mm
- With magnifier and small angle attachment
- Clamp for height gages is optional
- Packed in plastic box

## DIAL PROTRACTOR



Code	Range
IS12373-360	0-360°

- Graduation 5'
- With locking clamp
- Two blades: 150mm and 300mm
- With small angle attachment
- Clamp for height gages is optional
- Packed in plastic box



## PROTRACTOR

- Graduation 2'
- Packed in plastic box

Code	Range
IS12372-320	0-360°



## ELECTRONIC DIGITAL PROTRACTOR

- Display in degree and degree/minute/second
- PRESET button: preset any angle
- MODE button: choose 0-90°, 0-180° or 0-360°
- ZERO/ON button: zero and power on
- +/- button: reversal of measuring direction,
- Two blades 150mm and 300mm
- With fine adjustment and small angle attachment, supplied with standard square for 90° set
- Made of stainless steel
- Packed in wooden box

Code	Range	Resolution
IS12172-360	0-360°	30"/0.001°

## ELECTRONIC DIGITAL PROTRACTOR AND LEVEL



- Used as level and protractor
- Buttons: data hold, zero set, power on/off, absolute and relative measurement
- 4 work surfaces
- The display flips over when the level is upside down
- Calibrated on any surface
- CR2032 battery, stainless steel frame
- Packed in leathery bag

Code	Range	Resolution
IS12173-360	0-360°	0.1°

## MARKING GAGE



- Graduation: 1mm
- Satin chrome finish scale
- Made of carbon steel
- Packed in wooden box

Code	Range
IS17120-200	200mm
IS17120-250	250mm
IS17120-300	300mm

## MARKING GAGE



- Graduation: 0.1mm
- Length of jaws: 40mm
- Satin chrome finish scale
- Made of carbon steel
- Packed in wooden box

Code	Range
IS17201-150	0-150mm
IS17201-200	0-200mm
IS17201-250	0-250mm
IS17201-300	0-300mm

## MARKING GAGE



Code	Range
IS17202-200	0-200mm/0-8"
IS17202-400	0-400mm/0-16"

- Graduation: 0.1mm and 1/128"
- Satin chrome finish scale
- Made of stainless steel
- Packed in wooden box

## INSIDE CALIPER

Code	Length(mm)
IS17240-125	125
IS17240-150	150
IS17240-175	175
IS17240-200	200
IS17240-250	250
IS17240-300	300
IS17240-400	400
IS17240-500	500
IS17240-600	600
IS17240-800	800
IS17240-1000	1000



- Made of carbon steel
- Packed in plastic bag

## OUTSIDE CALIPER

Code	Length(mm)
IS17241-125	125
IS17241-150	150
IS17241-175	175
IS17241-200	200
IS17241-250	250
IS17241-300	300
IS17241-400	400
IS17241-500	500
IS17241-600	600
IS17241-800	800
IS17241-1000	1000



- Made of carbon steel
- Packed in plastic bag

## SPRING INSIDE CALIPER

Code	Length(mm)
IS17242-125	125
IS17242-150	150
IS17242-175	175
IS17242-200	200
IS17242-250	250
IS17242-300	300
IS17242-400	400
IS17242-500	500
IS17242-600	600



- Made of carbon steel
- Packed in plastic bag

## STRAIGHT EDGE



Code	Length
IS17112-300	300mm
IS17112-450	450mm
IS17112-600	600mm
IS17112-900	900mm

- Beveled edge (unbeveled edge is optional)
- For general line layout and inspection of surfaces
- Made of hardened tool steel with ground and polish finish
- Packed in plastic bag

## STRAIGHT EDGE



Code	Length	Section
IS17111-300	300mm	40x5mm
IS17111-500	500mm	40x5mm
IS17111-1000	1000mm	40x5mm
IS17111-1500	1500mm	40x5mm
IS17111-2000	2000mm	40x5mm

- With mm graduation on the beveled edge
- Made of carbon steel chrome plated
- All faces ground and polished
- Packed in plastic bag

## RULER



Code	Length x width x thickness
IS17110-150	150x18x0.8mm
IS17110-200	200x18x0.8mm
IS17110-300	300x25x1.0mm
IS17110-500	500x30x1.2mm
IS17110-600	600x30x1.2mm
IS17110-1000	1000x32x1.5mm
IS17110-1000-1	1000x35x1.8mm
IS17110-1200	1200x35x1.8mm
IS17110-1500	1500x38x1.8mm
IS17110-2000	2000x40x2.0mm

- Graduation: metric 0.5mm, 1mm, imperial 1/32", 1/64", 1/16"
- Flexible rules, made of stainless steel
- Etched black graduations
- Packed in plastic bag

## RULER



- Graduation: front side 0.5mm, 1mm, back side 1/32", 1/64"
- Rigid rulers, made of carbon steel
- Etched black graduations, scale satin chrome plated
- Packed in plastic bag

Code	Length x width x thickness
IS17113-300	300x25x2.2mm
IS17113-500	500x25x2.2mm
IS17113-600	600x25x2.2mm

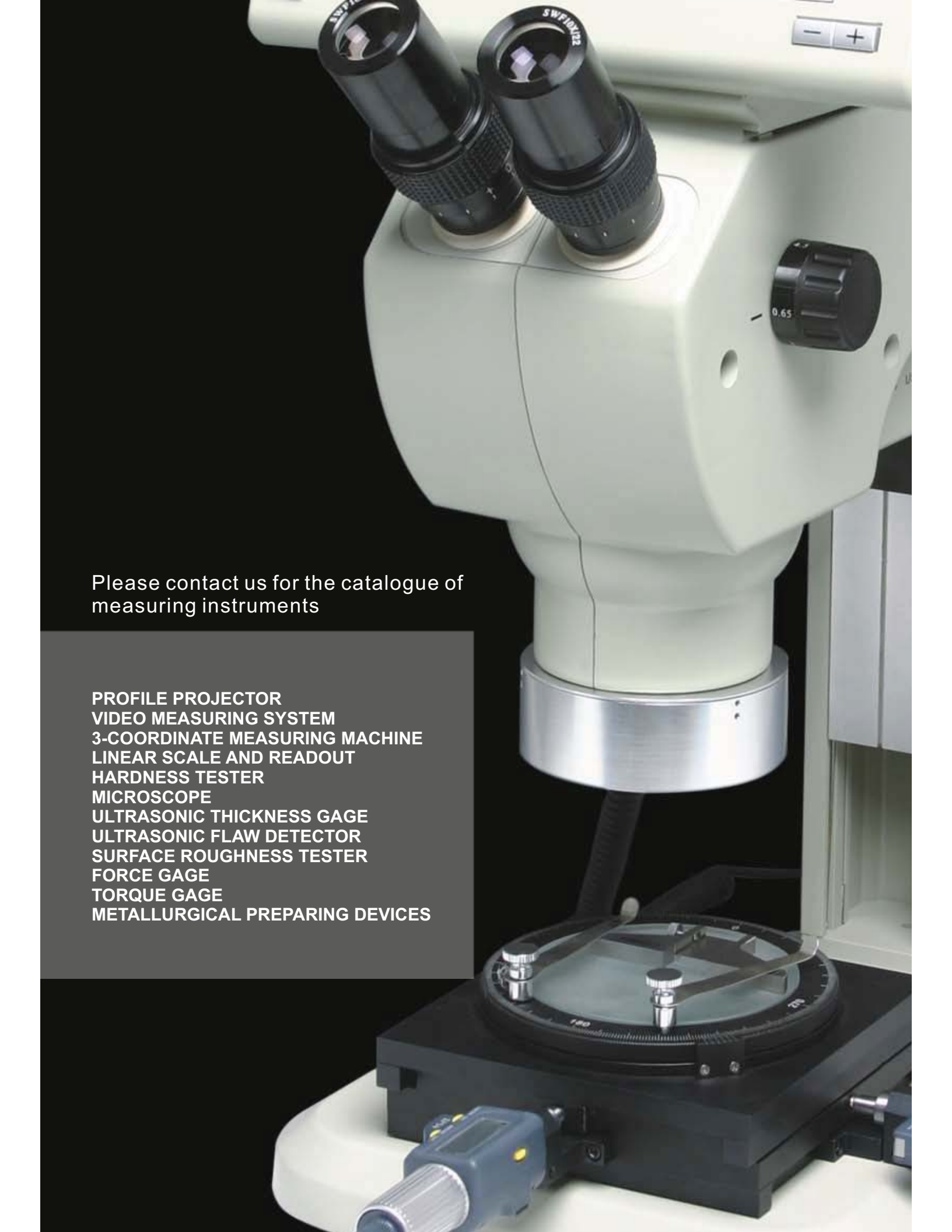
## 13 PIECE MEASURING TOOL SET



### Code

IS15013-1

- Including:
  - 1) Electronic digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005", meet DIN862, made of hardened stainless steel, with spare battery and SPC data output
  - 2) Outside micrometer, range 0-25mm, graduation 0.01mm, painted frame, ratchet stop, carbide tips, meet DIN863, with zero adjusting wrench
  - 3) Dial indicator, range 0-10mm, graduation 0.01mm, bezel diameter 60mm, meet DIN878, lug back, aluminum body, with bezel locking clamp and tolerance index
  - 4) Magnetic stand, magnetic force 60kgf, base 60x50x55mm with on/off switch, with fine adjustment, main stem  $\varnothing 12 \times 176$ mm, assistant stem  $\varnothing 10 \times 160$ mm
  - 5) Protractor, range 0-180°, graduation 1°, length of blade 120mm, diameter of protractor 80mm, scale satin chrome plated, with locking screw
  - 6) Pitch gage, range 0.25-7mm, 24pcs, thread type metric 60°, made of alloy steel
  - 7) Radius gage, range 1-7mm, 17 concave blades and 17 convex blades, satin chrome plated
  - 8) Feeler gage, range 0.05-1.00mm, 20pcs, tapered blades, length 100mm, each blade is marked with metric/imperial size, made of hardened spring steel, with locking screw
  - 9) 90° knife edge square, 100x70mm, DIN875 grade 0, made of hardened stainless steel, two knife edges
  - 10) Two ends scriber, length 250mm, hardened tips, knurled handle, nickel plated
  - 11) Depth base attachment, the base length is 76mm, supplying wide base for depth measurement of electronic digital caliper, made of stainless steel
  - 12) Zero setting bar, used as calibration surface for electronic digital caliper with depth base attachment, made of stainless steel
  - 13) Ruler, 0-150mm, graduation 0.5mm, 1mm, 1/32", 1/64", 1/10", 1/20", 1/50", made of stainless steel
- Packed in blow mould case



Please contact us for the catalogue of  
measuring instruments

**PROFILE PROJECTOR  
VIDEO MEASURING SYSTEM  
3-COORDINATE MEASURING MACHINE  
LINEAR SCALE AND READOUT  
HARDNESS TESTER  
MICROSCOPE  
ULTRASONIC THICKNESS GAGE  
ULTRASONIC FLAW DETECTOR  
SURFACE ROUGHNESS TESTER  
FORCE GAGE  
TORQUE GAGE  
METALLURGICAL PREPARING DEVICES**