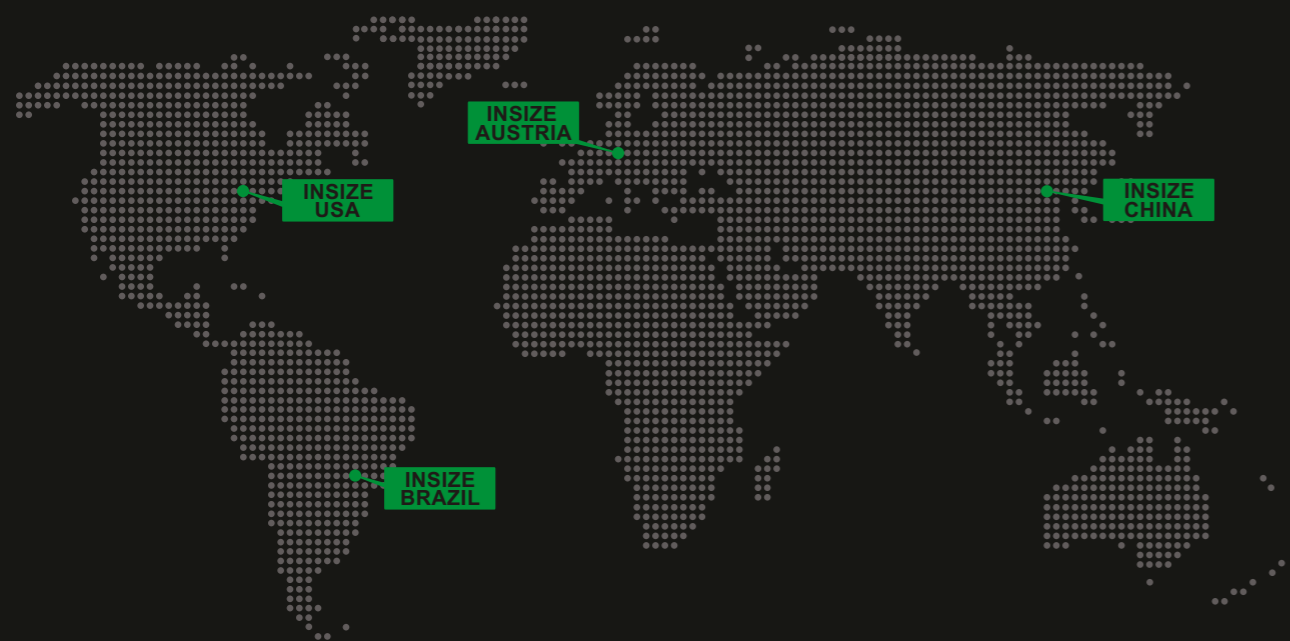




MEASURING TOOLS

NO. C052009





Welcome to INSIZE.

Founded in 1995, INSIZE is a dedicated supplier of measuring tools and testing instruments. To enable us to serve the world-wide market, we have begun to set up an INSIZE distribution network on a global basis, so that, wherever you are, INSIZE products with service and support are not far away.

Our key aims are:

- Quality products made to international standards with full guarantee.
- Innovation by continually striving to improve product design and appropriate presentation.
- Service and support to ensure you receive prompt answers and have trouble-free use of INSIZE products.
- Value is always a key element. Our aim is to give you high-performance products at a good price.

Our dedication to Quality, Innovation, Service and Value has created a worldwide demand for the INSIZE brand products. INSIZE has developed a distribution network in 42 countries and has built a solid reputation of product quality, reliability and value in these countries.

INSIZE is positioning itself for today's economic demands and tomorrow's future!

QUALITY | INNOVATION | SERVICE | VALUE



INDEX



ELECTRONIC CALIPER	6-14
VERNIER CALIPER	15-24
DIAL CALIPER	24-26
SPECIAL PURPOSE CALIPER	27-41
CALIPER ACCESSORY	42



DEPTH CALIPER	43-48
HEIGHT GAGE	49-52



OUTSIDE MICROMETER	54-65
SPECIAL PURPOSE MICROMETER	66-88
MICROMETER WITH DIAL INDICATOR	89-91
GROOVE MICROMETER	92
DEPTH MICROMETER	92-93
INSIDE MICROMETER	94
INTERNAL MICROMETER	95-99
THREE POINTS INSIDE MICROMETER	100-105
MICROMETER ACCESSORY	106-110
MICROMETER HEAD	111-118



DIAL INDICATOR	120-137
TEST INDICATOR	138-141
LINEAR GAGE	142



MAGNETIC STAND	143-147
MEASURING TABLE	148-150
BENCH CENTER	151



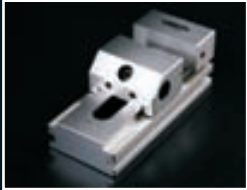
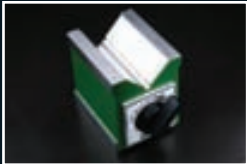
BORE GAGE	154-161
SNAP GAGE	162-163
MEASURING BENCH	163
INSIDE AND OUTSIDE DIAL CALIPER GAGE	164-167
THICKNESS GAGE	168-176
DIAL DEPTH GAGE	177
RADIUS GAGE	178



GAGE BLOCKS	180-183
PIN GAGE	183-185
ANGLE GAGE BLOCKS	186



PROTRACTOR	188-190
COMBINATION SQUARE	191-192



SQUARE	193-201
FEELER GAGE	202-207
PITCH GAGE	207-208
ANGLE GAGE	209-210
RADIUS GAGE	210-211
WIRE GAGE	212
SHEET METAL GAGE	212
TAPER GAGE	212
WELDING GAGE	213-214
KEYWAY GAGE	214
TELESCOPING GAGE	215
RULE	216
STRAIGHT EDGE	217-218

GRANITE SURFACE PLATE	220-221
SQUARE, BLOCK	222-223
V-BLOCK	224-228
POSITIONING BLOCKS	228-229
ANGLE PLATE, ANGLE BLOCK	229-232
PARALLEL	232-234
SINE BAR, SINE TABLE, SINE VISE	234-235
PRECISION VISE	236

INSIDE CALIPER, OUTSIDE CALIPER	238-239
DIVIDER	239-240
MARKING GAGE	241-244
SCRIBER	244-245
PUNCH	246

PLUG GAGE, RING GAGE	248-253
----------------------	---------

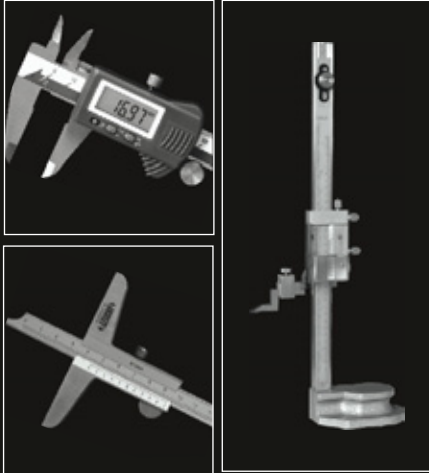
EDGE FINDER, CENTER FINDER	256-258
ZERO SETTER	258-260
CENTERING INDICATOR	260
CENTERING HOLDER	261
HORIZONTAL AND VERTICAL SCALE	262

LEVEL	263-265
SURFACE ROUGHNESS COMPARATOR	265

MEASURING TOOL SET	268-275
--------------------	---------

AUTO TOOLS	278-285
------------	---------

INTRODUCTION TO THE STANDARD



DIN862 VERNIER CALIPER, DEPTH CALIPER, HEIGHT GAGE			
Measuring range (mm)	Accuracy (μm)		
	graduation in 0.1mm or 0.05mm	graduation in 0.02mm	resolution in 0.01mm
50	50	20	20
100			
200		30	30
300			
400			
500			
600	40	40	
700			
800			
900			
1000	50	—	
1200			
1400			
1600			
1800	60	—	
2000			



DIN863 MICROMETER			
Measuring range (mm)	Accuracy (μm)	Measuring range (mm)	Accuracy (μm)
0 to 25	4	250 to 275	9
25 to 50	4	275 to 300	9
50 to 75	5	300 to 325	10
75 to 100	5	325 to 350	10
100 to 125	6	350 to 375	11
125 to 150	6	375 to 400	11
150 to 175	7	400 to 425	12
175 to 200	7	425 to 450	12
200 to 225	8	450 to 475	13
225 to 250	8	475 to 500	13



DIN878 DIAL INDICATOR		
Measuring range (mm)	Graduation (mm)	Total span error f_{ges} (μm)
3	0.01	12
5	0.01	14
10	0.01	17
30	0.01	25
50	0.01	30
100	0.01	35

DIN878 DIAL INDICATOR		
Measuring range (mm)	Graduation (mm)	Total span error f_{ges} (μm)
1	0.001	5
2	0.001	7
5	0.001	10



DIN2270 DIAL TEST INDICATOR	
Graduation (mm)	Total span error f_{ges} (μm)
0.01	13
0.002	4



DIN875 SQUARE	
Grade	Perpendicularity (μm)
00	2+L/100
0	5+L/50
1	10+L/20
2	20+L/10

L is the length of blade in mm



DIN874 STRAIGHT EDGE	
Straightness (μm)	
2+L/250	

L is the length in mm



DIN876 GRANITE PLATE	
Grade	Flatness (μm)
00	2+L/500
0	4+L/250
1	10+L/100
2	20+L/50
3	40+L/25

L is the length in mm

**ELECTRONIC CALIPER
VERNIER CALIPER
DIAL CALIPER
SPECIAL PURPOSE CALIPER
CALIPER ACCESSORY
DEPTH CALIPER
HEIGHT GAGE**



HIGH ACCURACY COOLANT PROOF ELECTRONIC CALIPER



Code	Range
1101-150	0-150mm/0-6"
1101-200	0-200mm/0-8"
1101-300	0-300mm/0-12"

- Accuracy exceeding DIN862
- Resolution: 0.005mm/0.0005"
- Coolant proof level IP54
- Buttons: mm/in, ABS/INC, on/off, zero
- Battery CR2032, with one spare battery, automatic power off
- Data output
- Hardened stainless steel construction
- Packed in plastic box

FRACTION READING COOLANT PROOF ELECTRONIC CALIPER



Code	Range
1102-150	0-150mm/0-6"
1102-200	0-200mm/0-8"
1102-300	0-300mm/0-12"

- Resolution: 0.01mm, 0.0005", 1/128"
- IP54 level protection
- Button: unit (mm/in/fraction), ABS/INC, power on/off, zero
- Battery CR2032, with one spare battery, automatic power off
- Data output
- Meet DIN862, hardened stainless steel construction
- Packed in plastic box

ELECTRONIC CALIPER



Code	Range
1112-150	0-150mm/0-6"
1112-200	0-200mm/0-8"
1112-300	0-300mm/0-12"

- Basic model
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery
- Data output
- Meet DIN862, hardened stainless steel construction
- Packed in plastic box

HIGH ACCURACY ELECTRONIC CALIPER



Code	Range
1137-150	0-150mm/0-6"
1137-200	0-200mm/0-8"
1137-300	0-300mm/0-12"

- High accuracy
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery, automatic power off
- Data output
- Meet DIN862, hardened stainless steel construction
- Packed in plastic box

LARGE DISPLAY ELECTRONIC CALIPER



Code	Range
1107-150	0-150mm/0-6"
1107-200	0-200mm/0-8"
1107-300	0-300mm/0-12"

- Large LCD display with yellow background for easy reading
- Resolution: 0.01 mm/0.0005"
- Buttons: zero, power on/off, in/mm
- Battery CR2025, with one spare battery, automatic power off
- Data output
- Meet DIN862, hardened stainless steel construction
- Packed in plastic box

ELECTRONIC CALIPER



Code	Range
1114-150	0-150mm/0-6"
1114-200	0-200mm/0-8"
1114-300	0-300mm/0-12"

- Zinc alloy case
- Resolution: 0.01 mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery
- Meet DIN862, hardened stainless steel construction
- Packed in plastic box

ELECTRONIC CALIPER



Code	Range
1116-150	0-150mm/0-6"
1116-200	0-200mm/0-8"
1116-300	0-300mm/0-12"

- Absolute and incremental measurement
- Resolution: 0.01 mm/0.0005"
- Buttons: power on/off, zero, inch/mm, ABS/INC
- Battery SR44, with spare battery, automatic power off
- Data output
- Meet DIN862, hardened stainless steel construction
- Packed in plastic box

COOLANT PROOF ELECTRONIC CALIPER



Code	Range
1118-150	0-150mm/0-6"
1118-200	0-200mm/0-8"
1118-300	0-300mm/0-12"

- IP67 level protection
- Resolution: 0.01 mm/0.0005"
- Button: zero/power on/inch-mm conversion
- Battery CR2032, with one spare battery, automatic power off
- Meet DIN862, hardened stainless steel construction
- Packed in plastic box

SOLAR ENERGY ELECTRONIC CALIPER



Code	Range
1134-150	0-150mm/0-6"
1134-200	0-200mm/0-8"
1134-300	0-300mm/0-12"

- Power supply from solar energy under light
- Resolution: 0.01mm/0.0005"
- Buttons: zero, inch/mm
- Battery SR54, automatic power off
- Data output
- Meet DIN862, hardened stainless steel construction
- Packed in plastic box

MINI ELECTRONIC CALIPER



Code	Range
1111-75	0-75mm/0-3"
1111-100	0-100mm/0-4"

- Resolution: 0.01mm/0.0005"
- Buttons: zero, inch/mm, power on/off
- Battery SR44, with one spare battery, automatic power off
- Data output
- Meet DIN862, hardened stainless steel construction
- Packed in plastic box

ELECTRONIC CALIPER WITH CARBIDE TIPPED JAWS



Code	Range
1110-150	0-150mm/0-6"
1110-200	0-200mm/0-8"
1110-300	0-300mm/0-12"

- Carbide tipped jaws for inside and outside measurements
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery
- Data output
- Meet DIN862, hardened stainless steel construction
- Packed in plastic box

PLASTIC ELECTRONIC CALIPER



Code	Range
1139-150	0-150mm/0-6"

- Made of hard plastic
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Battery CR2032, with one spare battery, automatic power off
- Packed in plastic box

ELECTRONIC CALIPER



- Resolution: 0.01mm/0.0005"
- Series **1106**: 10mm width of internal measuring jaws
- Series **1131**: 1/2" width of internal measuring jaws
- The round faces of lower jaw are ideal for accurate inside measurement
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery
- Data output
- Hardened stainless steel construction
- Packed in plastic box or wooden box

Code	Code	Range	Standard jaw length	Optional jaw length
1106-256	1131-10	0-250mm/0-10"	60mm/2.4"	75mm/3", 100mm/3.9", 150mm/5.9"
1106-306	1131-12	0-300mm/0-12"	60mm/2.4"	75mm/3", 100mm/3.9", 150mm/5.9"

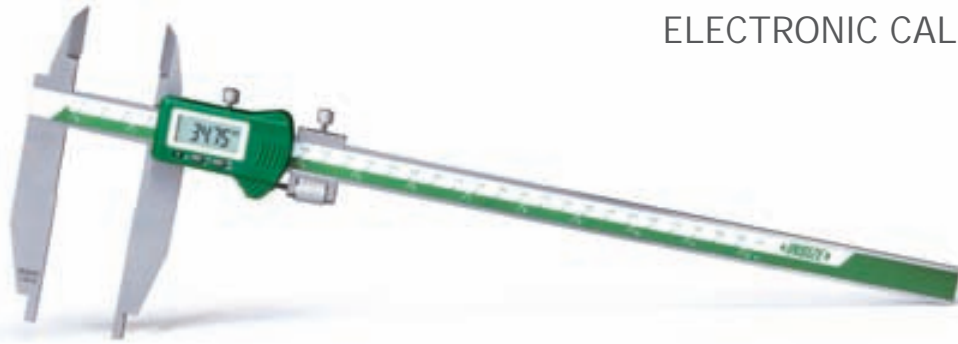
ELECTRONIC CALIPER



- Resolution: 0.01mm/0.0005"
- Series **1106**: 10mm or 20mm width of internal measuring jaws
- Series **1131**: 1/2" or 1" width of internal measuring jaws
- The round faces of lower jaw are ideal for accurate inside measurement
- Buttons: power on/off, inch/mm, ABS/INC, data preset, set data
- Battery CR2032, with one spare battery, automatic power off
- Data output
- Hardened stainless steel construction
- Packed in wooden box

Code	Code	Range	Standard jaw length	Optional jaw length
1106-401	1131-16	0-400mm/0-16"	100mm/3.9"	150mm/5.9", 200mm/7.9", 250mm/9.8"
1106-501	1131-20	0-500mm/0-20"	100mm/3.9"	150mm/5.9", 200mm/7.9", 250mm/9.8", 300mm/11.8"
1106-601	1131-24	0-600mm/0-24"	100mm/3.9"	150mm/5.9", 200mm/7.9", 250mm/9.8", 300mm/11.8"
1106-802	1131-32	0-800mm/0-32"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1106-1002	1131-40	0-1000mm/0-40"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1106-1252	1131-50	0-1250mm/0-50"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1106-1502	1131-60	0-1500mm/0-60"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1106-2002	1131-80	0-2000mm/0-80"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"

ELECTRONIC CALIPER



- Resolution: 0.01mm/0.0005"
- Series **1117**: 10mm width of internal measuring jaws
- Series **1132**: 1/2" width of internal measuring jaws
- The round faces of lower jaw are ideal for accurate inside measurement
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery
- Data output
- Hardened stainless steel construction
- Packed in plastic box or wooden box

Code	Code	Range	Standard lower jaw length	Optional lower jaw length
1117-256	1132-10	0-250mm/0-10"	60mm/2.4"	75mm/3", 100mm/3.9", 150mm/5.9"
1117-306	1132-12	0-300mm/0-12"	60mm/2.4"	75mm/3", 100mm/3.9", 150mm/5.9"

ELECTRONIC CALIPER



- Resolution: 0.01mm/0.0005"
- Series **1117**: 10mm or 20mm width of internal measuring jaws
- Series **1132**: 1/2" or 1" width of internal measuring jaws
- The round faces of lower jaw are ideal for accurate inside measurement
- Buttons: power on/off, inch/mm, ABS/INC, data preset, set data
- Battery CR2032, with one spare battery, automatic power off
- Data output
- Hardened stainless steel construction
- Packed in wooden box

Code	Code	Range	Standard lower jaw length	Optional lower jaw length
1117-401	1132-16	0-400mm/0-16"	100mm/3.9"	150mm/5.9", 200mm/7.9"
1117-501	1132-20	0-500mm/0-20"	100mm/3.9"	150mm/5.9", 200mm/7.9", 250mm/9.8"
1117-601	1132-24	0-600mm/0-24"	100mm/3.9"	150mm/5.9", 200mm/7.9", 250mm/9.8", 300mm/11.8"
1117-802	1132-32	0-800mm/0-32"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1117-1002	1132-40	0-1000mm/0-40"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1117-1252	1132-50	0-1250mm/0-50"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1117-1502	1132-60	0-1500mm/0-60"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1117-2002	1132-80	0-2000mm/0-80"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"

ELECTRONIC CALIPER



- Resolution: 0.01mm/0.0005"
- Series **1136**: 10mm width of internal measuring jaws
- Series **1133**: 1/2" width of internal measuring jaws
- The round faces of lower jaw are ideal for accurate inside measurement
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery
- Data output
- Hardened stainless steel construction
- Packed in plastic box or wooden box

Code	Code	Range	Standard lower jaw length	Optional lower jaw length
1136-256	1133-10	0-250mm/0-10"	60mm/2.4"	75mm/3", 100mm/3.9", 150mm/5.9"
1136-306	1133-12	0-300mm/0-12"	60mm/2.4"	75mm/3", 100mm/3.9", 150mm/5.9"

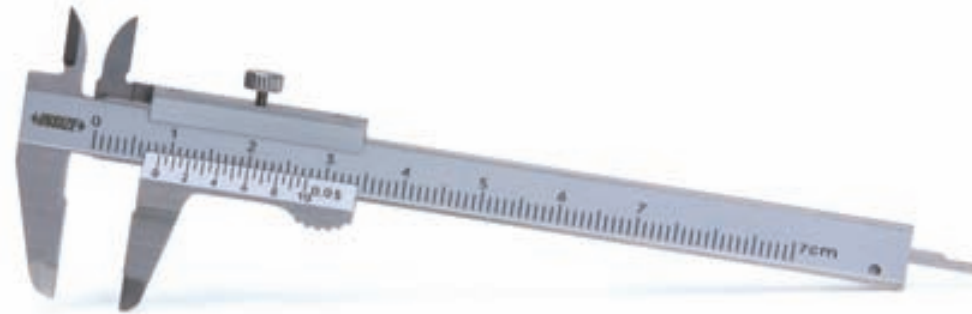
ELECTRONIC CALIPER



- Resolution: 0.01mm/0.0005"
- Series **1136**: 10mm or 20mm width of internal measuring jaws
- Series **1133**: 1/2" or 1" width of internal measuring jaws
- The round faces of lower jaw are ideal for accurate inside measurement
- Buttons: power on/off, inch/mm, ABS/INC, data preset, set data
- Battery CR2032, with one spare battery, automatic power off
- Data output
- Hardened stainless steel construction
- Packed in wooden box

Code	Code	Range	Standard lower jaw length	Optional lower jaw length
1136-409	1133-16	0-400mm/0-16"	90mm/3.5"	150mm/5.9", 200mm/7.9"
1136-501	1133-20	0-500mm/0-20"	100mm/3.9"	150mm/5.9", 200mm/7.9", 250mm/9.8"
1136-601	1133-24	0-600mm/0-24"	100mm/3.9"	150mm/5.9", 200mm/7.9", 250mm/9.8", 300mm/11.8"
1136-802	1133-32	0-800mm/0-32"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1136-1002	1133-40	0-1000mm/0-40"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1136-1252	1133-50	0-1250mm/0-50"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1136-1502	1133-60	0-1500mm/0-60"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1136-2002	1133-80	0-2000mm/0-80"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"

MINI VERNIER CALIPER



Code	Range	Graduation
1204-70	0-70mm	0.05mm

- Meet DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- Packed in leathery pouch

VERNIER CALIPER



round depth rod



titanium plated beam

Code	Range	Graduation
1205-100	0-100mm/0-4"	0.05mm/1/128"
1205-150	0-150mm/0-6"	0.05mm/1/128"
1205-200	0-200mm/0-8"	0.05mm/1/128"
1205-300	0-300mm/0-12"	0.05mm/1/128"

- Optional graduations: 0.02mm, 0.02mm/0.001", 0.05mm
- With thumb knob
- Meet DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- Round depth rod is optional
- Titanium plated beam is optional
- Packed in leathery pouch or plastic box

VERNIER CALIPER



Code	Range	Graduation
1206-150	0-150mm/0-6"	0.05mm/1/128"
1206-200	0-200mm/0-8"	0.05mm/1/128"
1206-300	0-300mm/0-12"	0.05mm/1/128"

- Optional graduations: 0.02mm, 0.02mm/0.001", 0.05mm
- With thumb knob
- Meet DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- Packed in plastic box

VERNIER CALIPER



Code	Range	Graduation
1222-150	0-150mm/0-6"	0.05mm/1/128"
1222-200	0-200mm/0-8"	0.05mm/1/128"
1222-300	0-300mm/0-12"	0.05mm/1/128"

- Optional graduations: 0.02mm, 0.02mm/0.001", 0.05mm
- With auto clamp
- Meet DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- Packed in plastic box

VERNIER CALIPER



round depth rod

Code	Range	Graduation
1223-150	0-150mm/0-6"	0.05mm/1/128"
1223-200	0-200mm/0-8"	0.05mm/1/128"
1223-300	0-300mm/0-12"	0.05mm/1/128"

- Optional graduations: 0.02mm, 0.02mm/0.001", 0.05mm
- With auto clamp
- Meet DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- Round depth rod is optional
- Packed in plastic box

VERNIER CALIPER



Code	Range	Graduation
1225-150	0-150mm/0-6"	0.05mm/1/128"
1225-200	0-200mm/0-8"	0.05mm/1/128"
1225-300	0-300mm/0-12"	0.05mm/1/128"

- Optional graduations: 0.02mm, 0.02mm/0.001", 0.05mm
- With thumb wheel
- Meet DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- Packed in plastic box

VERNIER CALIPER



Code	Range	Graduation
1233-130	0-130mm/0-5"	0.02mm/0.001"
1233-180	0-180mm/0-7"	0.02mm/0.001"
1233-280	0-280mm/0-11"	0.02mm/0.001"

- Optional graduations: 0.02mm, 0.05mm/1/128", 0.05mm
- With fine adjustment
- Meet DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- Packed in plastic box

VERNIER CALIPER



Code	Range	Graduation
1200-100	0-100mm/0-4"	0.05mm/1/128"
1200-125	0-125mm/0-5"	0.05mm/1/128"
1200-150	0-150mm/0-6"	0.05mm/1/128"
1200-200	0-200mm/0-8"	0.05mm/1/128"
1200-300	0-300mm/0-12"	0.05mm/1/128"

- Optional graduations: 0.02mm, 0.02mm/0.001", 0.05mm
- With thumb knob
- Meet DIN862, made of carbon steel, satin chrome plated reading surface
- Packed in leathery pouch or plastic box

VERNIER CALIPER



Code	Range	Graduation
1217-300	0-300mm/0-12"	0.05mm/1/128"

- Optional graduations: 0.02mm, 0.02mm/0.001", 0.05mm
- With fine adjustment
- Meet DIN862, made of hardened stainless steel, satin chrome plated reading surface
- Packed in wooden box

NO PARALLAX VERNIER CALIPER



Code	Range	Graduation
1212-150	0-150mm/0-6"	0.05mm/1/128"
1212-200	0-200mm/0-8"	0.05mm/1/128"

- Optional graduations: 0.02mm, 0.02mm/0.001", 0.05mm
- No parallax
- Meet DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- Packed in plastic box

LEFT HAND VERNIER CALIPER



Code	Range	Graduation
1239-150	0-150mm/0-6"	0.05mm/1/128"
1239-200	0-200mm/0-8"	0.05mm/1/128"

- Optional graduations: 0.02mm, 0.02mm/0.001", 0.05mm
- Designed for left handers
- Meet DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- Packed in plastic box

VERNIER CALIPER WITH CARBIDE TIPPED JAWS



Code	Range	Graduation
1238-150	0-150mm/0-6"	0.05mm/1/128"
1238-200	0-200mm/0-8"	0.05mm/1/128"
1238-300	0-300mm/0-12"	0.05mm/1/128"

- Carbide tipped jaws for inside and outside measurements
- Optional graduations: 0.02mm, 0.02mm/0.001", 0.05mm
- Meet DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- Packed in plastic box

VERNIER CALIPER



Code	Range	Graduation
1231-200	0-200mm	0.02mm
1231-250	0-250mm	0.02mm
1231-300	0-300mm	0.02mm

- Optional graduations: 0.02mm/0.001", 0.05mm, 0.05mm/1/128"
- Meet DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- Packed in plastic box

VERNIER CALIPER



- Standard graduation: 0.05mm/1/128", optional graduations: 0.02mm, 0.02mm/0.001", 0.05mm
- The round faces of lower jaw are ideal for accurate inside measurement
- With fine adjustment
- Meet DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- Packed in wooden box

Code	Range	Standard jaw length	Optional jaw length
1208-284	0-200mm/0-8"	80mm/3.1"	100mm/3.9"
1208-184	0-250mm/0-10"	80mm/3.1"	100mm/3.9"
1208-394	0-300mm/0-12"	90mm/3.5"	125mm/4.9", 150mm/5.9"
1208-414	0-400mm/0-16"	100mm/3.9"	150mm/5.9", 200mm/7.9"
1208-514	0-500mm/0-20"	100mm/3.9"	150mm/5.9", 200mm/7.9", 250mm/9.8"
1208-614	0-600mm/0-24"	100mm/3.9"	150mm/5.9", 200mm/7.9", 250mm/9.8", 300mm/11.8"
1208-824	0-800mm/0-32"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1208-1024	0-1000mm/0-40"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1208-1524	0-1500mm/0-60"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1208-2024	0-2000mm/0-80"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1208-2524	0-2500mm/0-100"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1208-3024	0-3000mm/0-120"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"

VERNIER CALIPER



- Standard graduation: 0.05mm/1/128", optional graduations: 0.02mm, 0.02mm/0.001", 0.05mm
- The round faces of lower jaw are ideal for accurate inside measurement
- With fine adjustment
- Meet DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- Packed in wooden box

Code	Range	Standard lower jaw length	Optional lower jaw length	Upper jaw length
1207-364	0-300mm/0-12"	60mm/2.4"	90mm/3.5"	36.5mm/1.4"
1207-514	0-500mm/0-20"	100mm/3.9"	150mm/5.9", 200mm/7.9"	55mm/2.2"
1207-614	0-600mm/0-24"	100mm/3.9"	150mm/5.9", 200mm/7.9"	55mm/2.2"
1207-824	0-800mm/0-32"	150mm/5.9"	200mm/7.9", 250mm/9.8"	64mm/2.5"
1207-1024	0-1000mm/0-40"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"	64mm/2.5"
1207-1524	0-1500mm/0-60"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"	64mm/2.5"
1207-2024	0-2000mm/0-80"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"	73mm/2.9"

VERNIER CALIPER



- Standard graduation: 0.05mm/1/128", optional graduations: 0.02mm, 0.02mm/0.001", 0.05mm
- The round faces of lower jaw are ideal for accurate inside measurement
- With fine adjustment
- Meet DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- Packed in wooden box

Code	Range	Standard lower jaw length	Optional lower jaw length	Upper jaw length
1236-364	0-300mm/0-12"	60mm/2.4"	90mm/3.5"	22mm/0.9"
1236-514	0-500mm/0-20"	100mm/3.9"	150mm/5.9"	40mm/1.6"
1236-614	0-600mm/0-24"	100mm/3.9"	150mm/5.9"	40mm/1.6"
1236-824	0-800mm/0-32"	150mm/5.9"	200mm/7.9"	47mm/1.9"
1236-1024	0-1000mm/0-40"	150mm/5.9"	200mm/7.9"	47mm/1.9"

PARALLAX FREE VERNIER CALIPER



Code	Range	Lower jaw length
1218-300	0-300mm/0-12"	90mm/3.5"
1218-500	0-500mm/0-20"	150mm/5.9"
1218-750	0-750mm/0-30"	150mm/5.9"
1218-1000	0-1000mm/0-40"	150mm/5.9"

- Standard graduation: 0.05mm/1/128" (option: 0.05mm)
- The round faces of lower jaw are ideal for accurate inside measurement
- With fine adjustment
- Meet DIN862, monoblock, made of hardened stainless steel, satin chrome plated reading surface
- Packed in wooden box

VERNIER CALIPER



Code	Code	Range	Jaw length
1214-300	1211-12	0-300mm/0-12"	75mm/3"
1214-450	1211-18	0-450mm/0-18"	100mm/3.9"
1214-500	1211-20	0-500mm/0-20"	100mm/3.9"
1214-600	1211-24	0-600mm/0-24"	100mm/3.9"
1214-1000	1211-40	0-1000mm/0-40"	140mm/5.5"
1214-1500	1211-60	0-1500mm/0-60"	180mm/7.1"

- Standard graduation: 0.02mm/0.001", optional graduations: 0.02mm, 0.05mm, 0.05mm/1/128", 0.001"
- Series 1214: mm graduation on lower scale and inch on upper scale, 10mm or 20mm width of internal measuring jaws
- Series 1211: inch graduation on lower scale and mm on upper scale, 1/2" or 1" width of internal measuring jaws
- The round faces of lower jaw are ideal for accurate inside measurement
- With fine adjustment
- Meet DIN862, made of hardened stainless steel, satin chrome plated reading surface
- Packed in wooden box

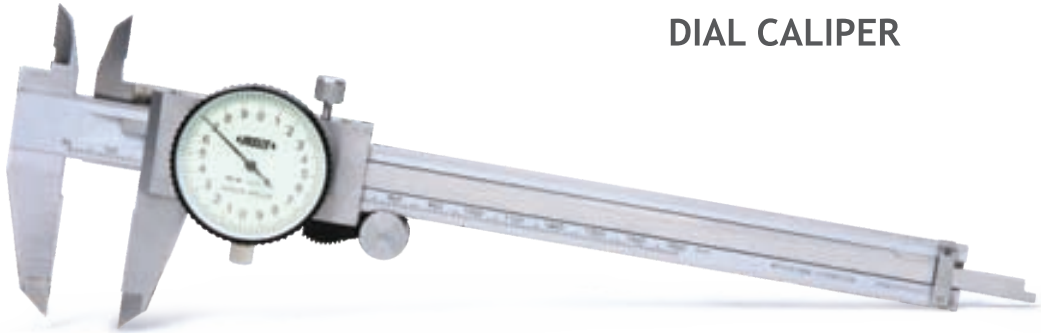
VERNIER CALIPER



- Standard graduation: 0.02mm/0.001"
optional graduations: 0.02mm, 0.05mm, 0.05mm/1/128", 0.001"
- Series **1215**: mm graduation on lower scale and inch on upper scale, 10mm or 20mm width of internal measuring jaws
- Series **1216**: inch graduation on lower scale and mm on upper scale, 1/2" or 1" width of internal measuring jaws
- Other jaw length can be made upon request
- The round faces of lower jaw ideal for accurate inside measurement
- With fine adjustment
- Meet DIN862, made of hardened stainless steel, satin chrome plated reading surface
- Packed in wooden box

Code	Code	Range	Standard jaw length	Optional jaw length
1215-392	1216-1222	0-300mm/0-12"	90mm/3.5"	125mm/4.9", 150mm/5.9"
1215-412	1216-1622	0-400mm/0-16"	100mm/3.9"	150mm/5.9", 200mm/7.9"
1215-522	1216-2022	0-500mm/0-20"	150mm/5.9"	200mm/7.9", 250mm/9.8"
1215-622	1216-2422	0-600mm/0-24"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1215-822	1216-3222	0-800mm/0-32"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1215-1022	1216-4022	0-1000mm/0-40"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1215-1522	1216-6022	0-1500mm/0-60"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1215-2022	1216-8022	0-2000mm/0-80"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1215-2522	1216-1002	0-2500mm/0-100"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"
1215-3022	1216-1202	0-3000mm/0-120"	150mm/5.9"	200mm/7.9", 250mm/9.8", 300mm/11.8"

DIAL CALIPER



Code	Range	Dial indicator graduation
1312-100	0-100mm	0.02mm
1311-150	0-150mm	0.01mm
1312-150	0-150mm	0.02mm
1311-200	0-200mm	0.01mm
1312-200	0-200mm	0.02mm
1311-300	0-300mm	0.01mm
1312-300	0-300mm	0.02mm
1311-4	0-4"	0.001"
1311-6	0-6"	0.001"
1311-8	0-8"	0.001"
1311-12	0-12"	0.001"



titanium plated beam scale

- Shock proof dial indicator, adjustable bezel, with bezel locking screw
- Meet DIN862, hardened stainless steel construction, satin chrome finish beam scale
- Titanium plated beam scale is optional
- Packed in plastic box

DIAL CALIPER



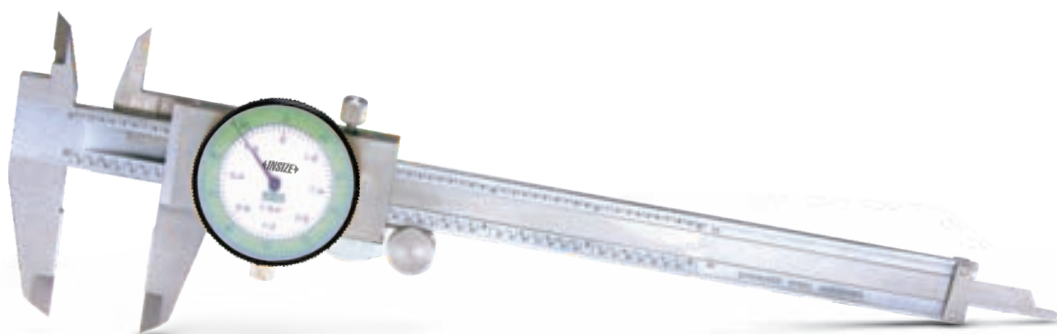
Code	Range	Dial indicator graduation
1314-150	0-150mm	0.02mm
1314-1501	0-150mm	0.01mm
1314-200	0-200mm	0.02mm
1314-2001	0-200mm	0.01mm
1314-300	0-300mm	0.02mm
1314-3001	0-300mm	0.01mm
1314-6	0-6"	0.001"
1314-8	0-8"	0.001"
1314-12	0-12"	0.001"



titanium plated beam scale

- Shock proof dial indicator, adjustable bezel, with bezel locking screw
- Meet DIN862, hardened stainless steel construction, satin chrome finish beam scale
- Titanium plated beam scale is optional
- Packed in plastic box

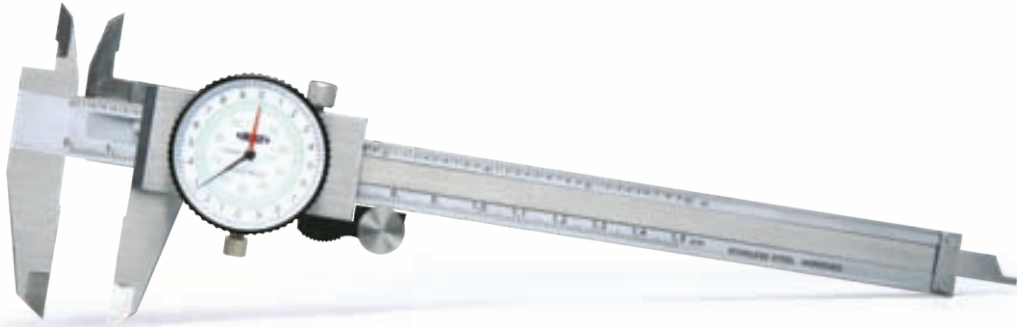
FRACTION READING DIAL CALIPER



Code	Range	Dial indicator graduation
1381-6	0-6"	0.001", 1/64"
1381-8	0-8"	0.001", 1/64"
1381-12	0-12"	0.001", 1/64"

- Shock proof dial indicator, adjustable bezel, with bezel locking screw
- Hardened stainless steel construction, satin chrome finish beam scale
- Packed in plastic box

DUAL READING DIAL CALIPER



Code	Range	Dial indicator graduation
1313-150	0-150mm/0-6"	0.02mm/0.001"
1313-200	0-200mm/0-8"	0.02mm/0.001"
1313-300	0-300mm/0-12"	0.02mm/0.001"
1313-6	0-6"/0-150mm	0.001"/0.02mm
1313-8	0-8"/0-200mm	0.001"/0.02mm
1313-12	0-12"/0-300mm	0.001"/0.02mm

- Dual graduation on both beam scale and dial indicator for metric and inch reading
- Shock proof dial indicator, adjustable bezel, with bezel locking screw
- Meet DIN862, hardened stainless steel construction, satin chrome finish beam scale
- Packed in plastic box

LARGE DIAL CALIPER



Code	Range	Length of jaws
1385-300	0-300mm	70mm
1385-500	0-500mm	90mm
1385-600	0-600mm	90mm
1385-1000	0-1000mm	150mm
1385-12	0-12"	2.95"
1385-18	0-18"	3.54"
1385-24	0-24"	3.54"
1385-40	0-40"	5.91"

- Dial indicator graduation: metric 0.02mm
inch 0.001"
- Upper graduation on beam scale is for direct reading of internal measurement
- Shock proof dial indicator, adjustable bezel, with bezel locking screw
- Made of stainless steel
- Packed in wooden box

ELECTRONIC TUBE CALIPER



- Measure wall thickness of tubes
- Resolution: 0.01 mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery
- Data output
- Hardened stainless steel construction
- Packed in plastic box

Code	Range
1161-150	0-150mm/0-6"

TUBE VERNIER CALIPER



- Measure wall thickness of tubes
- Graduation: 0.05mm/1/128"
optional graduations: 0.02mm, 0.05mm, 0.02mm/0.001 "
- Made of hardened stainless steel, stain chrome plated reading surface
- Packed in plastic box

Code	Range
1261-150	0-150mm/0-6"

ELECTRONIC OUTSIDE GROOVE CALIPER



Code	Range	Measuring depth
1187-150	0-150mm/0-6"	40mm/1.6"
1187-200	0-200mm/0-8"	50mm/2"
1187-300	0-300mm/0-12"	60mm/2.4"

- For narrow grooves and small recesses
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery
- Data output
- Hardened stainless steel construction
- Packed in plastic box

OUTSIDE GROOVE VERNIER CALIPER



Code	Range	Measuring depth
1287-150	0-150mm/0-6"	40mm/1.6"
1287-200	0-200mm/0-8"	50mm/2"
1287-300	0-300mm/0-12"	60mm/2.4"

- For narrow grooves and small recesses
- Graduation: 0.05mm/1/128"
optional graduations: 0.02mm, 0.05mm, 0.02mm/0.001 "
- Made of hardened stainless steel, stain chrome plated reading surface
- Packed in plastic box

ELECTRONIC OUTSIDE CALIPER WITH PIN TIPS



Code	Range	Measuring depth	Pin tips dia.
1185-150	0-150mm/0-6"	40mm/1.6"	2mm/0.08"
1185-200	0-200mm/0-8"	50mm/2"	2.5mm/0.1"
1185-300	0-300mm/0-12"	60mm/2.4"	2.5mm/0.1"

- For narrow grooves and small recesses
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery
- Data output
- Hardened stainless steel construction
- Packed in plastic box

OUTSIDE VERNIER CALIPER WITH PIN TIPS



Code	Range	Measuring depth	Pin tips dia.
1285-150	0-150mm/0-6"	40mm/1.6"	2mm/0.08"
1285-200	0-200mm/0-8"	50mm/2"	2.5mm/0.1"
1285-300	0-300mm/0-12"	60mm/2.4"	2.5mm/0.1"

- For narrow grooves and small recesses
- Graduation: 0.05mm/1/128"
optional graduations: 0.02mm, 0.05mm, 0.02mm/0.001"
- Made of hardened stainless steel, stain chrome plated reading surface
- Packed in plastic box

ELECTRONIC INSIDE GROOVE CALIPER



Code	Range	Measuring depth
1120-150	22-150mm/0.9-6"	35mm/1.4"
1120-1501	35-150mm/1.4-6"	60mm/2.4"
1120-200	25-200mm/1-8"	40mm/1.6"
1120-2001	40-200mm/1.6-8"	70mm/2.8"
1120-300	30-300mm/1.2-12"	50mm/2"
1120-3001	50-300mm/2-12"	80mm/3.1"

- For narrow grooves and small recesses
- Resolution: 0.01 mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery
- Data output
- Hardened stainless steel construction
- Packed in plastic box or wooden box

INSIDE GROOVE VERNIER CALIPER



Code	Range	Measuring depth
1262-150	22-150mm/0.9-6"	35mm/1.4"
1262-1501	35-150mm/1.4-6"	60mm/2.4"
1262-200	25-200mm/1-8"	40mm/1.6"
1262-2001	40-200mm/1.6-8"	70mm/2.8"
1262-300	30-300mm/1.2-12"	50mm/2"
1262-3001	50-300mm/2-12"	80mm/3.1"

- For narrow grooves and small recesses
- Graduation: 0.05mm/1/128"
optional graduations: 0.02mm, 0.05mm, 0.02mm/0.001"
- Made of hardened stainless steel, stain chrome plated reading surface
- Packed in plastic box or wooden box

ELECTRONIC INSIDE CALIPER WITH PIN TIPS



Code	Range	Measuring depth	Pin tips dia.
1121-150	24-150mm/0.9-6"	30mm/1.2"	2mm/0.08"
1121-1501	35-150mm/1.4-6"	60mm/2.4"	2mm/0.08"
1121-1502	50-150mm/2-6"	90mm/3.5"	3mm/0.12"
1121-200	25-200mm/1-8"	40mm/1.6"	2mm/0.08"
1121-2001	40-200mm/1.6-8"	70mm/2.8"	3mm/0.12"
1121-2002	60-200mm/2.4-8"	100mm/3.9"	3mm/0.12"
1121-300	30-300mm/1.2-12"	50mm/2"	2mm/0.08"
1121-3001	50-300mm/2-12"	80mm/3.1"	3mm/0.12"
1121-3002	60-300mm/2.4-12"	110mm/4.3"	3mm/0.12"

- For narrow grooves and small recesses
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery
- Data output
- Hardened stainless steel construction
- Packed in plastic box or wooden box

INSIDE VERNIER CALIPER WITH PIN TIPS



Code	Range	Measuring depth	Pin tips dia.
1263-150	24-150mm/0.9-6"	30mm/1.2"	2mm/0.08"
1263-1501	35-150mm/1.4-6"	60mm/2.4"	2mm/0.08"
1263-1502	50-150mm/2-6"	90mm/3.5"	3mm/0.12"
1263-200	25-200mm/1-8"	40mm/1.6"	2mm/0.08"
1263-2001	40-200mm/1.6-8"	70mm/2.8"	3mm/0.12"
1263-2002	60-200mm/2.4-8"	100mm/3.9"	3mm/0.12"
1263-300	30-300mm/1.2-12"	50mm/2"	2mm/0.08"
1263-3001	50-300mm/2-12"	80mm/3.1"	3mm/0.12"
1263-3002	60-300mm/2.4-12"	110mm/4.3"	3mm/0.12"

- For narrow grooves and small recesses
- Graduation: 0.05mm/1/128"
optional graduations: 0.02mm, 0.05mm, 0.02mm/0.001"
- Made of hardened stainless steel, stain chrome plated reading surface
- Packed in plastic box or wooden box

ELECTRONIC CALIPER WITH POINTED JAWS



Code	Range
1183-100	0-100mm/0-4"
1183-150	0-150mm/0-6"
1183-200	0-200mm/0-8"
1183-300	0-300mm/0-12"

- Pointed jaws fit into small grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery
- Data output
- Hardened stainless steel construction
- Packed in plastic box

VERNIER CALIPER WITH POINTED JAWS



Code	Range
1283-100	0-100mm/0-4"
1283-150	0-150mm/0-6"
1283-200	0-200mm/0-8"
1283-300	0-300mm/0-12"

- Pointed jaws fit into small grooves and recesses
- Graduation: 0.05mm/1/128"
optional graduations: 0.02mm, 0.05mm, 0.02mm/0.001"
- Made of hardened stainless steel, stain chrome plated reading surface
- Packed in plastic box

ELECTRONIC BLADE CALIPER



Code	Range	Blade jaw thickness
1188-150	0-150mm/0-6"	0.75mm/0.03"
1188-200	0-200mm/0-8"	0.75mm/0.03"
1188-300	0-300mm/0-12"	1.00mm/0.04"

- The blade jaws fit into small grooves
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery
- Data output
- Hardened stainless steel construction
- Packed in plastic box

BLADE VERNIER CALIPER



Code	Range	Blade jaw thickness
1288-150	0-150mm/0-6"	0.75mm/0.03"
1288-200	0-200mm/0-8"	0.75mm/0.03"
1288-300	0-300mm/0-12"	1.00mm/0.04"

- The blade jaws fit into small grooves
- Graduation: 0.05mm/1/128"
optional graduations: 0.02mm, 0.05mm, 0.02mm/0.001"
- Made of hardened stainless steel, stain chrome plated reading surface
- Packed in plastic box

ELECTRONIC INSIDE CALIPER WITH BEVELED TIPS



type A readout



type B readout

Code	Range	Jaw length	Readout type
1123-150	15-150mm/0.6-6"	60mm/2.4"	A
1123-1501	20-150mm/0.8-6"	90mm/3.5"	A
1123-1502	25-150mm/1-6"	150mm/5.9"	B
1123-200	18-200mm/0.7-8"	75mm/3"	A
1123-2001	22-200mm/0.9-8"	100mm/3.9"	A
1123-2002	25-200mm/1-8"	150mm/5.9"	B
1123-300	20-300mm/0.8-12"	90mm/3.5"	A
1123-3001	22-300mm/0.9-12"	120mm/4.7"	A
1123-3002	25-300mm/1-12"	150mm/5.9"	B

- Measure diameter of deep step holes
- Resolution: 0.01mm/0.0005"
- With one spare battery
- Data output
- Hardened stainless steel construction
- Packed in plastic box or wooden box

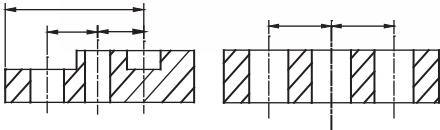
INSIDE VERNIER CALIPER WITH BEVELED TIPS



Code	Range	Jaw length
1264-150	15-150mm/0.6-6"	60mm/2.4"
1264-1501	20-150mm/0.8-6"	90mm/3.5"
1264-1502	25-150mm/1-6"	150mm/5.9"
1264-200	18-200mm/0.7-8"	75mm/3"
1264-2001	22-200mm/0.9-8"	100mm/3.9"
1264-2002	25-200mm/1-8"	150mm/5.9"
1264-300	20-300mm/0.8-12"	90mm/3.5"
1264-3001	22-300mm/0.9-12"	120mm/4.7"
1264-3002	25-300mm/1-12"	150mm/5.9"

- Measure diameter of deep step holes
- Graduation: 0.05mm/1/128"
optional graduations: 0.02mm, 0.05mm, 0.02mm/0.001"
- Made of hardened stainless steel, stain chrome plated reading surface
- Packed in plastic box or wooden box

ELECTRONIC OFFSET CENTERLINE CALIPER



Code	Range
1182-150	10-150mm/0.4-6"
1182-200	10-200mm/0.4-8"
1182-300	10-300mm/0.4-12"

- Measure center to center distance of holes and measure distance from edge to center of holes
- Resolution: 0.01mm/0.0005"
- The adjustable left jaw permits measurement of even and uneven planes
- Hole diameter should be larger than 1.5mm/0.06" but small than 10mm/0.39"
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery
- Data output
- Hardened stainless steel construction
- Packed in plastic box or wooden box

OFFSET CENTERLINE VERNIER CALIPER



Code	Range
1282-150	5-150mm/0.2-6"
1282-200	5-200mm/0.2-8"
1282-300	5-300mm/0.2-12"

- Measure center to center distance of holes and measure distance from edge to center of holes
- Graduation: 0.05mm/1/128"
optional graduations: 0.02mm, 0.05mm, 0.02mm/0.001"
- The adjustable left jaw permits measurement of even and uneven planes
- Hole diameter should be larger than 1.5mm/0.06" but small than 10mm/0.39"
- Made of hardened stainless steel, stain chrome plated reading surface
- Packed in plastic box or wooden box

ELECTRONIC OFFSET CALIPER



Code	Range
1186-150	0-150mm/0-6"
1186-200	0-200mm/0-8"
1186-300	0-300mm/0-12"

- The left jaw can slide up and down to facilitate measurement of stepped sections
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery
- Data output
- Hardened stainless steel construction
- Packed in plastic box or wooden box

OFFSET VERNIER CALIPER



Code	Range
1286-150	0-150mm/0-6"
1286-200	0-200mm/0-8"
1286-300	0-300mm/0-12"

- The left jaw can slide up and down to facilitate measurement of stepped sections
- Graduation: 0.05mm/1/128"
optional graduations: 0.02mm, 0.05mm, 0.02mm/0.001"
- Made of hardened stainless steel, stain chrome plated reading surface
- Packed in plastic box or wooden box

ELECTRONIC CALIPER WITH ONE DIRECTION UPPER JAWS



Code	Range
1184-150	0-150mm/0-6"
1184-200	0-200mm/0-8"
1184-300	0-300mm/0-12"

- Take measurement of step distance in one direction of the same surface and different surfaces
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery
- Data output
- Hardened stainless steel construction
- Packed in plastic box

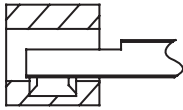
VERNIER CALIPER WITH ONE DIRECTION UPPER JAWS



Code	Range
1284-150	0-150mm/0-6"
1284-200	0-200mm/0-8"
1284-300	0-300mm/0-12"

- Take measurement of step distance in one direction of the same surface and different surfaces
- Graduation: 0.05mm/1/128"
optional graduations: 0.02mm, 0.05mm, 0.02mm/0.001"
- Made of hardened stainless steel, stain chrome plated reading surface
- Packed in plastic box

ELECTRONIC CALIPER WITH HOOK TIPS



Code	Range
1122-125	3-125mm/0.12-5"
1122-200	3-200mm/0.12-8"
1122-300	4-300mm/0.2-12"

- Measure width of grooves inside bores and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery
- Data output
- Hardened stainless steel construction
- Packed in plastic box

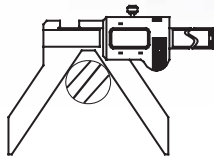
VERNIER CALIPER WITH HOOK TIPS



Code	Range
1265-125	3-125mm/0.12-5"
1265-200	3-200mm/0.12-8"
1265-300	4-300mm/0.2-12"

- Measure width of grooves inside bores and recesses
- Graduation: 0.05mm/1/128"
optional graduations: 0.02mm, 0.05mm, 0.02mm/0.001"
- Made of hardened stainless steel, stain chrome plated reading surface
- Packed in plastic box

ELECTRONIC ARC RADIUS CALIPER



Code	Range
1189-150	3-150mm/0.12-6"
1189-200	3-200mm/0.12-8"

- Measure the radius of arc less than half round
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Battery SR44, with one spare battery
- Data output
- Hardened stainless steel construction
- Packed in plastic box or wooden box

ARC RADIUS VERNIER CALIPER



Code	Range
1289-150	3-150mm/0.12-6"
1289-200	3-200mm/0.12-8"

- Measure the radius of arc less than half round
- Graduation: 0.05mm/1/128"
optional graduations: 0.02mm, 0.05mm, 0.02mm/0.001"
- Monoblock, made of hardened stainless steel, satin chrome plated reading surface
- Packed in plastic box or wooden box

ELECTRONIC GEAR TOOTH CALIPER

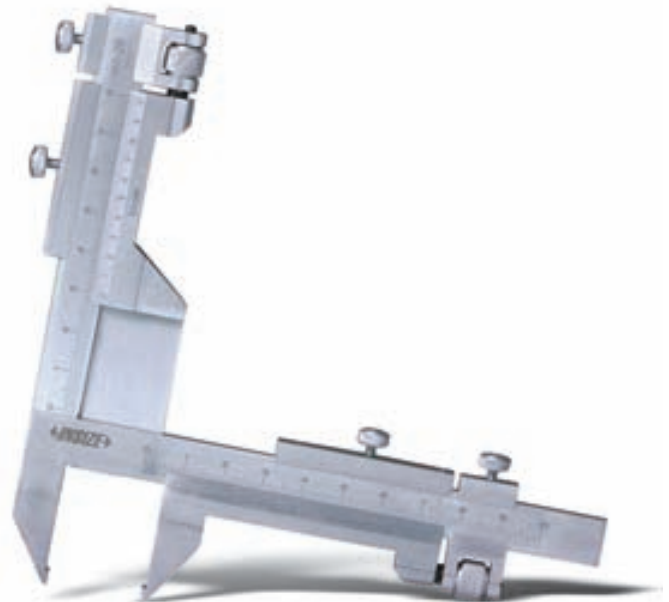
Code	Range
1181-M30	M1-30mm/25-0.8TPI
1181-M50	M5-50mm/5-0.5TPI



- 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
- Battery SR44, with one spare battery, automatic power off
- Data output
- Hardened stainless steel construction
- Packed in plastic box or wooden box

GEAR TOOTH VERNIER CALIPER

Code	Range
1281-M26	M1-26
1281-M50	M5-50
1281-E	25-1TPI
1281-E5	5-0.5TPI



- Graduation: metric 0.02mm, inch 0.001"
- 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 hardened stainless steel, satin chrome plated reading surface
- Packed in plastic box or wooden box

ELECTRONIC V-ANVIL CALIPER



- Measure diameter of cylinder (such as taps, reamers, end mills) with odd number of flutes
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Supplied with calibration rod
- Battery SR44, with one spare battery
- Data output
- Stainless steel construction
- Packed in plastic box

Code	Range	Flutes
1174	4-40mm/0.16-1.6"	3
1173	1-40mm/0.04-1.6"	5

V-ANVIL VERNIER CALIPER



- Measure diameter of cylinder (such as taps, reamers, end mills) with odd number of flutes
- Graduation: 0.05mm/1/128"
optional graduations: 0.02mm, 0.05mm, 0.02mm/0.001"
- Made of hardened stainless steel, satin chrome plated reading surface
- Packed in plastic box

Code	Range	Flutes
1273-40	1-40mm/0.04-1.6"	5
1273-75	20-75mm/0.8-3"	5
1274-40	4-40mm/0.16-1.6"	3
1274-75	20-75mm/0.8-3"	3

DEPTH BASE ATTACHMENT

- Made of stainless steel
- Packed in carton



Code	Base length
6140	76mm/3"

SPC CONNECTION CABLE FOR ELECTRONIC CALIPER

- Supplied with software
- Packed in carton



Code	For calipers
7301-SPC1	1112, 1106, 1131, 1110, 1117, 1132, 1120, 1121, 1122, 1123, 1136, 1133, 1161, 1162, 1163, 1182, 1183, 1184, 1185, 1186, 1187, 1189
7301-SPC2	1111, 1116, 1133, 1181
7301-SPC3	1137
7301-SPC4	1101, 1102

GAGE BLOCKS FOR CALIPER INSPECTION

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



Code	Total quantity	Size(mm)	For calipers
4108-6	6pcs	41.2, 81.5, 121.8, 10, 20, 20	0-125mm, 0-150mm
4108-61	6pcs	51.2, 121.5, 191.8, 10, 20, 20	0-200mm
4108-12	12pcs	10, 20, 20, 41.2, 51.2, 81.5, 101.2, 121.5, 121.8, 191.8, 201.5, 291.8	0-125mm, 0-150mm, 0-200mm, 0-300mm
4108-62	6pcs	101.2, 200, 291.5, 375, 451.8, 490	0-500mm

ELECTRONIC DEPTH CALIPER



Code	Range	Base length
1141-150	0-150mm/0-6"	100mm/3.9"
1141-200	0-200mm/0-8"	100mm/3.9"
1141-300	0-300mm/0-12"	150mm/5.9"
1141-500	0-500mm/0-20"	150mm/5.9"

- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- SR44 battery, with spare battery
- Data output
- Meet DIN862, made of hardened stainless steel
- Packed in plastic box or wooden box

ELECTRONIC DEPTH CALIPER WITH HOOK



Code	Range	Base length
1142-150	0-150mm/0-6"	100mm/3.9"
1142-200	0-200mm/0-8"	100mm/3.9"
1142-300	0-300mm/0-12"	150mm/5.9"
1142-500	0-500mm/0-20"	150mm/5.9"

- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- SR44 battery, with spare battery
- Data output
- Meet DIN862, made of hardened stainless steel
- Packed in plastic box or wooden box

ELECTRONIC DEPTH CALIPER WITH TWO HOOKS



Code	Range	Base length
1144-150	0-150mm/0-6"	100mm/3.9"
1144-200	0-200mm/0-8"	100mm/3.9"
1144-300	0-300mm/0-12"	150mm/5.9"

- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- SR44 battery, with spare battery
- Data output
- Meet DIN862, made of hardened stainless steel
- Packed in plastic box or wooden box

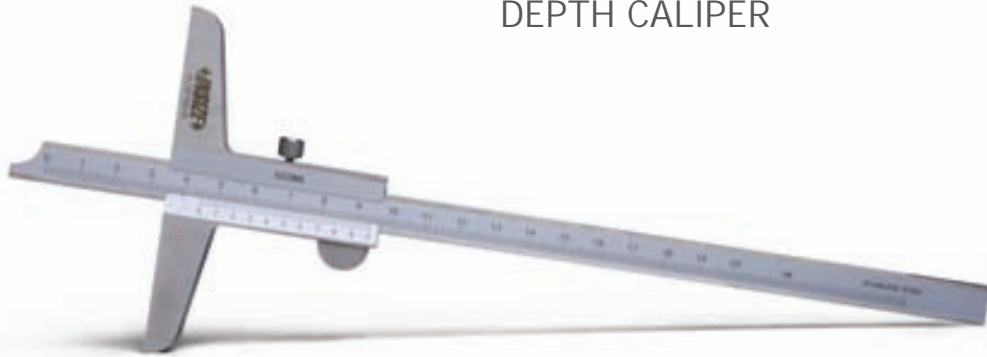
DIAL DEPTH CALIPER



Code	Range	Base length
1348-150	0-150mm	100mm
1348-200	0-200mm	100mm
1348-300	0-300mm	100mm
1348-6	0-6"	3.9"
1348-8	0-8"	3.9"
1348-12	0-12"	3.9"

- Dial indicator graduation: metric 0.02mm
inch 0.001"
- Shock proof dial indicator, adjustable bezel, with bezel locking screw
- Meet DIN862, made of hardened stainless steel
- Packed in plastic box

DEPTH CALIPER



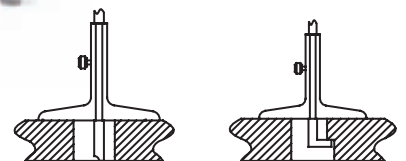
Code	Range	Base length
1240-150	0-150mm	100mm
1240-200	0-200mm	100mm
1240-300	0-300mm	100mm
1240-500	0-500mm	150mm
1240-6	0-6"	3.9"
1240-8	0-8"	3.9"
1240-12	0-12"	3.9"
1240-20	0-20"	5.9"

- Graduation: metric 0.05mm (option: 0.02mm)
inch 0.001"
- Meet DIN862, made of hardened stainless steel, satin chrome plated reading surface
- Packed in plastic box or wooden box

DEPTH CALIPER WITH HOOK

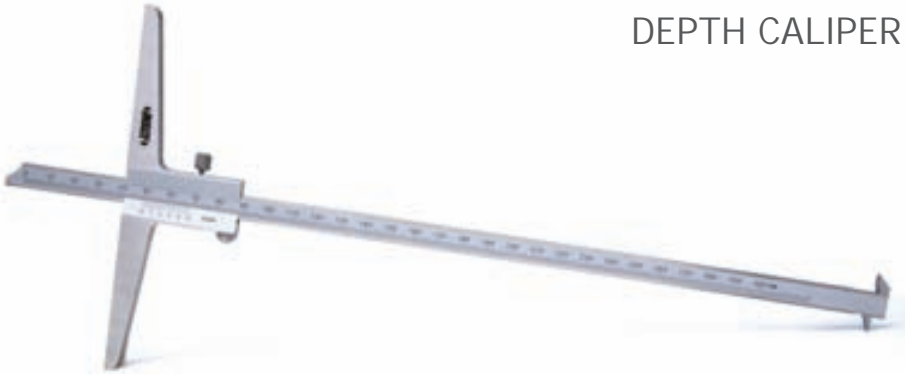


Code	Range	Base length
1241-150	0-150mm	100mm
1241-200	0-200mm	100mm
1241-300	0-300mm	150mm
1241-400	0-400mm	150mm
1241-6	0-6"	3.9"
1241-8	0-8"	3.9"
1241-12	0-12"	5.9"
1241-16	0-16"	5.9"



- Graduation on two sides
- Graduation: metric 0.05mm (option: 0.02mm)
inch 0.001"
- Meet DIN862, made of hardened stainless steel, satin chrome plating finish on reading surface
- Packed in plastic box or wooden box

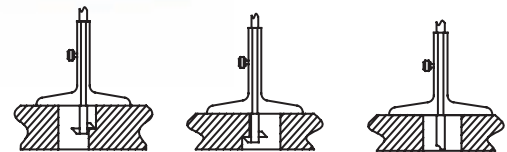
DEPTH CALIPER WITH TWO HOOKS



front side



back side



Code	Range	Base length
1246-200	0-200mm	100mm
1246-300	0-300mm	150mm
1246-8	0-8"	3.9"
1246-12	0-12"	5.9"

- Graduation on two sides
- Graduation: metric 0.05mm (option: 0.02mm)
inch 0.001"
- Meet DIN862, made of hardened stainless steel, satin chrome plating finish on reading surface
- Packed in plastic box or wooden box

DEPTH CALIPER WITH NEEDLE TIP



Code	Range	Base length
1242-80	0-80mm	50mm
1242-160	0-150mm	100mm
1242-300	0-300mm	100mm
1242-3	0-3"	2"
1242-6	0-6"	3.9"
1242-12	0-12"	3.9"

- Graduation: metric 0.05mm (option: 0.02mm)
inch 0.001"
- Meet DIN862, made of hardened stainless steel, satin chrome plating finish on reading surface
- Packed in plastic box

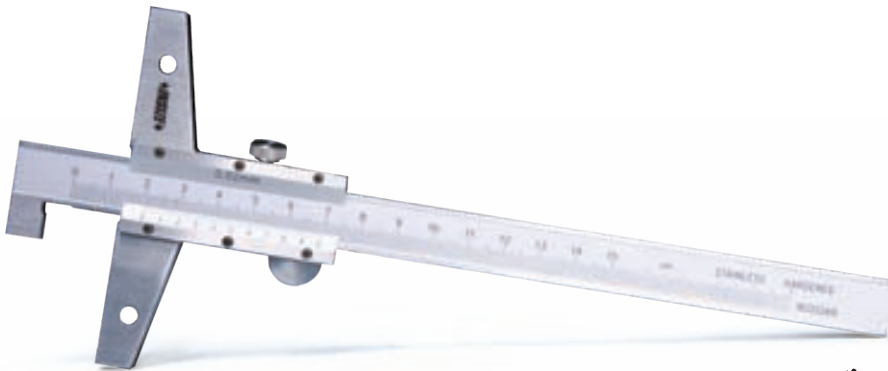
DEPTH CALIPER



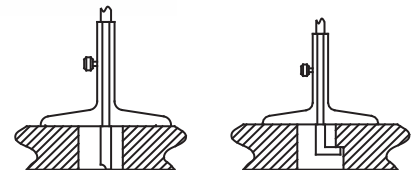
Code	Range	Base length
1247-150	0-150mm	100mm
1247-200	0-200mm	100mm
1247-300	0-300mm	100mm
1247-6	0-6"	3.9"
1247-8	0-8"	3.9"
1247-12	0-12"	3.9"

- Graduation: metric 0.05mm (option: 0.02mm)
inch 0.001"
- Meet DIN862, made of hardened stainless steel, satin chrome plating finish on reading surface
- Extension base is optional
- Packed in plastic box

DEPTH CALIPER WITH HOOK



Code	Range	Base length
1248-150	0-150mm	100mm
1248-200	0-200mm	100mm
1248-300	0-300mm	100mm
1248-500	0-500mm	150mm
1248-6	0-6"	3.9"
1248-8	0-8"	3.9"
1248-12	0-12"	3.9"
1248-20	0-20"	5.9"



- Graduation: metric 0.05mm (option: 0.02mm)
inch 0.001"
- Meet DIN862, made of hardened stainless steel, satin chrome plating finish on reading surface
- Extension base is optional
- Packed in plastic box or wooden box

EXTENSION BASE FOR DEPTH CALIPER

- Made of stainless steel
- For 1247 and 1248
- Packed in leathery pouch



Code	Base length
6141-180	180mm/7.1"
6141-260	260mm/10.2"
6141-320	320mm/12.6"

MINI DEPTH CALIPER

- Graduation: metric 0.1mm
inch 1/128"
- Made of stainless steel
- Packed in pouch



Code	Range	Base length
1244-30	0-30mm	55mm
1244-1	0-1"	2.2"

SPC CONNECTION CABLE FOR ELECTRONIC DEPTH CALIPER

- Supplied with software
- Packed in carton

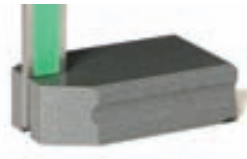
Code	For depth calipers
7301-SPC1	1141, 1142, 1144, 1145



ELECTRONIC HEIGHT GAGE

- Resolution: 0.01mm/0.0005"
- Buttons: power on/off, inch/mm, ABS/INC, data hold, tolerance measurement, data preset, set data
- Carbide tipped scriber
- Meet DIN862, made of stainless steel
- SR44 battery, with spare battery
- RS232 data output
- With indicator holder
- Packed in styrofoam with carton or wooden box

Code	Range	Base
1150-300	0-300mm/0-12"	A
1150-500	0-500mm/0-20"	A
1150-600	0-600mm/0-24"	A
1150-1000	0-1000mm/0-40"	B
1150-1500	0-1500mm/0-60"	B
1150-2000	0-2000mm/0-80"	B



base type B



base type A

MULTI-BEAM ELECTRONIC HEIGHT GAGE

- Resolution: 0.01mm/0.001"
- Buttons: inch/mm, ABS/INC, power off/on, data preset, set data
- Carbide tipped scriber
- Meet DIN862, stainless steel beam and base
- With driving wheel
- SR44 battery, with spare battery
- RS232 data output
- Indicator holder is optional
- Packed in styrofoam with carton or wooden box

Code	Range	Beam
1151-300	0-300mm/0-12"	2
1151-450	0-450mm/0-18"	2
1151-500	0-500mm/0-20"	2
1151-600	0-600mm/0-24"	2
1151-1000	0-1000mm/0-40"	3



two-beam



three-beam

TWO-BEAM ELECTRONIC HEIGHT GAGE

- Resolution: 0.01mm/0.001"
- Buttons: inch/mm, ABSS/INC, power off/on, data preset, set data, data hold
- Carbide tipped scriber
- Meet DIN862, stainless steel beam and base
- With driving wheel and fine adjustment knob
- CR2032 battery, with spare battery
- Indicator holder is optional
- Packed in styrofoam with carton

Code	Range
1153-300	0-300mm/0-12"
1153-450	0-450mm/0-18"
1153-500	0-500mm/0-20"
1153-600	0-600mm/0-24"



MULTI-BEAM DIAL HEIGHT GAGE

- Dial Graduation: metric 0.01mm
inch 0.001"
- Counter readout: metric 1mm
inch 0.1"
- Dual direction counter
- Carbide tipped scriber
- Meet DIN862, stainless steel beam and base
- With driving wheel
- Indicator holder is optional
- Packed in styrofoam with carton or wooden box

Code	Range	Beam
1351-300	0-300mm	2
1351-450	0-450mm	2
1351-500	0-500mm	2
1351-600	0-600mm	2
1351-1000	0-1000mm	3
1351-12	0-12"	2
1351-18	0-18"	2
1351-20	0-20"	2
1351-24	0-24"	2
1351-40	0-40"	3



two-beam

three-beam

DIAL HEIGHT GAGE

- Dial graduation: metric 0.02mm
inch 0.001"
- Carbide tipped scriber
- Meet DIN862, stainless steel beam and base, satin chrome finish reading surface
- Indicator holder is optional
- Packed in styrofoam with carton or wooden box

Code	Range
1350-150	0-150mm
1350-200	0-200mm
1350-300	0-300mm
1350-6	0-6"
1350-8	0-8"
1350-12	0-12"



HEIGHT GAGE WITH ADJUSTABLE SCALE

- Adjustable scale for zero set
- Graduation: 0.02mm/0.001"
- Carbide tipped scriber
- Meet DIN862, stainless steel beam and base, satin chrome finish reading surface
- With fine adjustment and magnifier
- Indicator holder is optional
- Packed in carton or wooden box

Code	Range
1250-300	0-300mm/0-12"
1250-450	0-450mm/0-18"
1250-500	0-500mm/0-20"
1250-600	0-600mm/0-24"
1250-1000	0-1000mm/0-40"
1250-1500	0-1500mm/0-60"



SCRIBER FOR HEIGHT GAGE

- Carbide tipped
- Packed in carton

Code	For height gages
7150-SC1	1150-300
7150-SC2	1150-500, 1150-600
7150-SC3	1150-1000, 1150-1500, 1150-2000
7150-SC4	1151, 1153, 1351
7150-SC5	1350
7150-SC6	1250-300
7150-SC7	1250-450, 1250-500, 1250-600
7150-SC8	1250-1000, 1250-1500



SPC CONNECTION CABLE FOR ELECTRONIC HEIGHT GAGE

- Supplied with software
- Packed in carton

Code	For height gages
7301-SPC2	1151
7301-SPC5	1150



CHECK MASTER

- Step 20mm
- Ceramic blocks
- Packed in wooden box

Code	Range	Type
6882-200	200mm	horizontal
6882-300	300mm	horizontal
6882-500	500mm	horizontal
6882-600	600mm	horizontal
Code	Range	Type
6883-200	200mm	vertical
6883-300	300mm	vertical
6883-500	500mm	vertical
6883-600	600mm	vertical





OUTSIDE MICROMETER
SPECIAL PURPOSE MICROMETER
MICROMETER WITH DIAL INDICATOR
GROOVE MICROMETER
DEPTH MICROMETER
INSIDE MICROMETER
INTERNAL MICROMETER
THREE POINTS INSIDE MICROMETER
MICROMETER ACCESSORY
MICROMETER HEAD

DOUBLE DISPLAY ELECTRONIC OUTSIDE MICROMETER



front

back

Code	Range
3104-30	0-30mm/0-1.2"
3104-55	25-55mm/1-2.2"
3104-80	50-80mm/2-3.2"
3104-105	75-105mm/3-4.2"
3104-130	100-130mm/4-5.2"
3104-155	125-155mm/5-6.2"
3104-180	150-180mm/6-7.2"
3104-205	175-205mm/7-8.2"

- Double sides display, in two directions
- Resolution: 0.001 mm/0.00005"
- Buttons: on/off, data set, mm/inch, ABS/INC, LCD direction change
- IP54 protection
- CR2032 battery, with one spare battery, auto power off
- RS232 output, ratchet friction thimble, carbide tips
- DIN863
- With battery cover wrench and spare spherical anvil
- Supplied with standard rods
- Packed in plastic box or wooden box

ELECTRONIC OUTSIDE MICROMETER



Code	Range
3100-25	0-25mm/0-1"
3100-50	25-50mm/1-2"
3100-75	50-75mm/2-3"
3100-100	75-100mm/3-4"
3100-125	100-125mm/4-5"
3100-150	125-150mm/5-6"
3100-175	150-175mm/6-7"
3100-200	175-200mm/7-8"
Code	Range
3100-33	0-75mm/0-3" (3pcs)
3100-44	0-100mm/0-4" (4pcs)
3100-66	0-150mm/0-6" (6pcs)

- Resolution: 0.001 mm/0.00005"
- Buttons: on/off, data set, mm/inch, ABS/INC, data output
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output, ratchet friction thimble, carbide tips
- DIN863
- With battery cover wrench and spare spherical anvil
- Supplied with standard rods
- Packed in plastic box or wooden box

ELECTRONIC OUTSIDE MICROMETER

Code	Range
3101-25	0-25mm/0-1"
3101-50	25-50mm/1-2"
3101-75	50-75mm/2-3"
3101-100	75-100mm/3-4"
3101-125	100-125mm/4-5"
3101-150	125-150mm/5-6"
3101-175	150-175mm/6-7"
3101-200	175-200mm/7-8"
3101-225	200-225mm/8-9"
3101-250	225-250mm/9-10"
3101-275	250-275mm/10-11"
3101-300	275-300mm/11-12"
Code	Range
3101-753	0-75mm/0-3" (3pcs)
3101-1004	0-100mm/0-4" (4pcs)
3101-1506	0-150mm/0-6" (6pcs)



- IP65 protection
- Thimble graduation: 0.01mm (option: 0.0001")
- Reading in metric and inch
- Resolution: 0.001mm/0.00005"
- Buttons: on/off, data set, mm/inch, ABS/INC, data output
- SR44 battery, with one spare battery, auto power off
- RS232 output, supplied with data output cable, ratchet stop, carbide tips
- DIN863
- With battery cover wrench, spare spherical anvil and zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

ELECTRONIC OUTSIDE MICROMETER



Code	Range	Code	Range
3108-25	0-25mm	3108-1	0-1"
3108-50	25-50mm	3108-2	1-2"
3108-75	50-75mm	3108-3	2-3"
3108-100	75-100mm	3108-4	3-4"
3108-125	100-125mm	3108-5	4-5"
3108-150	125-150mm	3108-6	5-6"
3108-175	150-175mm	3108-7	6-7"
3108-200	175-200mm	3108-8	7-8"
3108-225	200-225mm	3108-9	8-9"
3108-250	225-250mm	3108-10	9-10"
3108-275	250-275mm	3108-11	10-11"
3108-300	275-300mm	3108-12	11-12"
Code	Range	Code	Range
3108-753	0-75mm (3pcs)	3108-33	0-3" (3pcs)
3108-1004	0-100mm (4pcs)	3108-44	0-4" (4pcs)
3108-1506	0-150mm (6pcs)	3108-66	0-6" (6pcs)

- Reading in metric or inch, without mm-in conversion
- Resolution: metric 0.001mm
inch 0.00005"
- Buttons: on/off, data set, ABS/INC
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- Ratchet stop, carbide tips
- DIN863
- With battery cover wrench, spare spherical anvil and zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

ELECTRONIC OUTSIDE MICROMETER

Code	Range
3109-25	0-25mm/0-1"
3109-50	25-50mm/1-2"
3109-75	50-75mm/2-3"
3109-100	75-100mm/3-4"
3109-125	100-125mm/4-5"
3109-150	125-150mm/5-6"
3109-175	150-175mm/6-7"
3109-200	175-200mm/7-8"
Code	Range
3109-33	0-75mm/0-3" (3pcs)
3109-44	0-100mm/0-4" (4pcs)
3109-66	0-150mm/0-6" (6pcs)



- Resolution: 0.001mm/0.00005"
- Buttons: on/off, data set, mm/inch, ABS/INC
- SR44 battery, with one spare battery, auto power off
- Ratchet friction thimble, carbide tips
- DIN863
- With battery cover wrench and spare spherical anvil
- Supplied with standard rods
- Packed in plastic box or wooden box

ELECTRONIC OUTSIDE MICROMETER

Code	Range
3103-25	0-25mm/0-1"
3103-50	25-50mm/1-2"
3103-75	50-75mm/2-3"
3103-100	75-100mm/3-4"
3103-125	100-125mm/4-5"
3103-150	125-150mm/5-6"
3103-175	150-175mm/6-7"
3103-200	175-200mm/7-8"
3103-225	200-225mm/8-9"
3103-250	225-250mm/9-10"
3103-275	250-275mm/10-11"
3103-300	275-300mm/11-12"
Code	Range
3103-753	0-75mm/0-3" (3pcs)
3103-1004	0-100mm/0-4" (4pcs)
3103-1506	0-150mm/0-6" (6pcs)



- Thimble graduation: 0.01mm (option: 0.0001")
- Resolution: 0.001mm/0.00005"
- Buttons: metric-inch conversion, data set
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- Carbide tips
- DIN863
- With battery cover wrench, spare spherical anvil and zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

DIGITAL OUTSIDE MICROMETER WITH COUNTER

Code	Range	Code	Range
3400-25	0-25mm	3400-1	0-1"
3400-50	25-50mm	3400-2	1-2"
3400-75	50-75mm	3400-3	2-3"
3400-100	75-100mm	3400-4	3-4"
3400-125	100-125mm	3400-5	4-5"
3400-150	125-150mm	3400-6	5-6"
3400-175	150-175mm	3400-7	6-7"
3400-200	175-200mm	3400-8	7-8"
3400-225	200-225mm	3400-9	8-9"
3400-250	225-250mm	3400-10	9-10"
3400-275	250-275mm	3400-11	10-11"
3400-300	275-300mm	3400-12	11-12"
Code	Range	Code	Range
3400-753	0-75mm (3pcs)	3400-33	0-3" (3pcs)
3400-1004	0-100mm (4pcs)	3400-44	0-4" (4pcs)
3400-1506	0-150mm (6pcs)	3400-66	0-6" (6pcs)



- Counter readout: metric 0.01mm
inch 0.001"
- Thimble graduation: metric 0.01mm
inch 0.0001"
- DIN863
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

μ-DIGITAL OUTSIDE MICROMETER WITH COUNTER

Code	Range	Code	Range
3401-25	0-25mm	3401-1	0-1"
3401-50	25-50mm	3401-2	1-2"
3401-75	50-75mm	3401-3	2-3"
3401-100	75-100mm	3401-4	3-4"
3401-125	100-125mm	3401-5	4-5"
3401-150	125-150mm	3401-6	5-6"
3401-175	150-175mm	3401-7	6-7"
3401-200	175-200mm	3401-8	7-8"
Code	Range	Code	Range
3401-753	0-75mm (3pcs)	3401-33	0-3" (3pcs)
3401-1004	0-100mm (4pcs)	3401-44	0-4" (4pcs)
3401-1506	0-150mm (6pcs)	3401-66	0-6" (6pcs)



- Counter readout: metric 0.001mm
inch 0.0001"
- Thimble graduation: metric 0.01mm
inch 0.0001"
- DIN863
- Ratchet friction thimble, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

OUTSIDE MICROMETER



ratchet friction thimble



Code	Range	Code	Range
3200-25	0-25mm	3200-1	0-1"
3200-50	25-50mm	3200-2	1-2"
3200-75	50-75mm	3200-3	2-3"
3200-100	75-100mm	3200-4	3-4"
Code	Range	Code	Range
3200-753	0-75mm (3pcs)	3200-33	0-3" (3pcs)
3200-1004	0-100mm (4pcs)	3200-44	0-4" (4pcs)

- Graduation: metric 0.01mm
inch 0.0001"
- DIN863
- Ratchet stop (ratchet friction thimble is optional), carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

OUTSIDE MICROMETER



ratchet friction thimble



Code	Range	Code	Range
3202-25	0-25mm	3202-1	0-1"
3202-50	25-50mm	3202-2	1-2"
3202-75	50-75mm	3202-3	2-3"
3202-100	75-100mm	3202-4	3-4"
3202-125	100-125mm	3202-5	4-5"
3202-150	125-150mm	3202-6	5-6"
3202-175	150-175mm	3202-7	6-7"
3202-200	175-200mm	3202-8	7-8"
Code	Range	Code	Range
3202-753	0-75mm (3pcs)	3202-33	0-3" (3pcs)
3202-1004	0-100mm (4pcs)	3202-44	0-4" (4pcs)
3202-1506	0-150mm (6pcs)	3202-66	0-6" (6pcs)

- Graduation: metric 0.01mm
inch 0.0001"
- DIN863
- Ratchet stop (ratchet friction thimble is optional), carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

OUTSIDE MICROMETER



3203-25



3203-50

Code	Range	Code	Range
3203-25	0-25mm	3203-1	0-1"
3203-50	25-50mm	3203-2	1-2"
3203-75	50-75mm	3203-3	2-3"
3203-100	75-100mm	3203-4	3-4"
3203-125	100-125mm	3203-5	4-5"
3203-150	125-150mm	3203-6	5-6"
3203-175	150-175mm	3203-7	6-7"
3203-200	175-200mm	3203-8	7-8"
3203-225	200-225mm	3203-9	8-9"
3203-250	225-250mm	3203-10	9-10"
3203-275	250-275mm	3203-11	10-11"
3203-300	275-300mm	3203-12	11-12"
Code	Range	Code	Range
3203-753	0-75mm (3pcs)	3203-33	0-3" (3pcs)
3203-1004	0-100mm (4pcs)	3203-44	0-4" (4pcs)
3203-1506	0-150mm (6pcs)	3203-66	0-6" (6pcs)
3203-3006	150-300mm (6pcs)	3203-126	6-12" (6pcs)
3203-3012	0-300mm (12pcs)	3203-1212	0-12" (12pcs)

- Graduation: metric 0.01mm
inch 0.0001"
- DIN863
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

OUTSIDE MICROMETER

Code	Range
3210-25	0-25mm
3210-50	25-50mm
3210-75	50-75mm
3210-100	75-100mm
3210-125	100-125mm
3210-150	125-150mm
3210-175	150-175mm
3210-200	175-200mm
3210-225	200-225mm
3210-250	225-250mm
3210-275	250-275mm
3210-300	275-300mm
Code	Range
3210-753	0-75mm (3pcs)
3210-1004	0-100mm (4pcs)
3210-1506	0-150mm (6pcs)
3210-3006	150-300mm (6pcs)
3210-3012	0-300mm (12pcs)



- Graduation: 0.001mm
- DIN863
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

NO-PARALLAX OUTSIDE MICROMETER



Code	Range	Code	Range
3207-25	0-25mm	3207-1	0-1"
3207-50	25-50mm	3207-2	1-2"
3207-75	50-75mm	3207-3	2-3"
3207-100	75-100mm	3207-4	3-4"
3207-125	100-125mm	3207-5	4-5"
3207-150	125-150mm	3207-6	5-6"
3207-175	150-175mm	3207-7	6-7"
3207-200	175-200mm	3207-8	7-8"

- No-parallax
- Graduation: metric 0.001mm
inch 0.0001"
- DIN863
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

MINI OUTSIDE MICROMETER



Code	Range
3200-15	0-15mm
3200-06	0-0.6"

- Graduation: metric 0.01mm
inch 0.001"
- DIN863
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Packed in plastic box

QUICK FEEDING OUTSIDE MICROMETER



Code	Range	Code	Range
3208-25	0-25mm	3208-1	0-1"
3208-50	25-50mm	3208-2	1-2"
3208-75	50-75mm	3208-3	2-3"
3208-100	75-100mm	3208-4	3-4"
3208-125	100-125mm	3208-5	4-5"
3208-150	125-150mm	3208-6	5-6"
3208-175	150-175mm	3208-7	6-7"
3208-200	175-200mm	3208-8	7-8"

- Graduation: metric 0.01mm
inch 0.0005"
- 1mm/0.05" of each turn for quick feeding
- DIN863
- Ratchet stop and ratchet friction thimble, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

OUTSIDE MICROMETER FOR LEFT AND RIGHT HAND



Code	Range	Code	Range
3236-25	0-25mm	3236-1	0-1"
3236-50	25-50mm	3236-2	1-2"
3236-75	50-75mm	3236-3	2-3"
3236-100	75-100mm	3236-4	3-4"
3236-125	100-125mm	3236-5	4-5"
3236-150	125-150mm	3236-6	5-6"
3236-175	150-175mm	3236-7	6-7"
3236-200	175-200mm	3236-8	7-8"

- Two graduations for left and right hands
- Graduation: metric 0.01mm
inch 0.001"
- DIN863
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

OUTSIDE MICROMETER WITH ANVIL ATTACHMENT

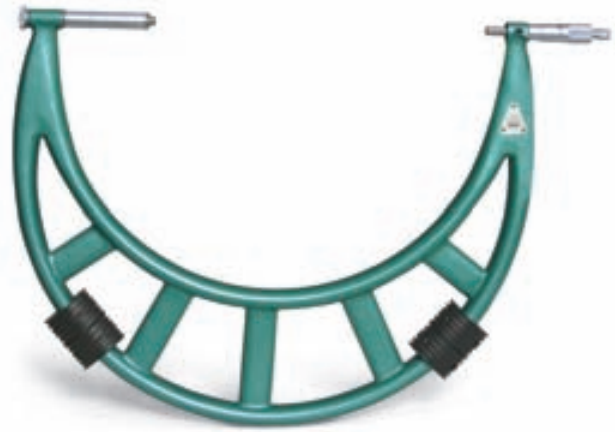


Code	Range
3237-50	0-50mm
3237-2	0-2"

- With anvil attachment to increase the measuring range
- Graduation: metric 0.01mm
inch 0.0001"
- DIN863
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Packed in plastic box or wooden box

OUTSIDE MICROMETER WITH ADJUSTABLE ANVIL

Code	Range	Code	Range
3205-400	300-400mm	3205-16	12-16"
3205-500	400-500mm	3205-20	16-20"
3205-600	500-600mm	3205-24	20-24"
3205-700	600-700mm	3205-28	24-28"
3205-800	700-800mm	3205-32	28-32"
3205-900	800-900mm	3205-36	32-36"
3205-1000	900-1000mm	3205-40	36-40"
3205-1200	1000-1200mm	3205-48	40-48"
3205-1400	1200-1400mm	3205-56	48-56"
3205-1600	1400-1600mm	3205-64	56-64"
3205-1800	1600-1800mm	3205-72	64-72"
3205-2000	1800-2000mm	3205-80	72-80"



- Adjustable anvil for different measuring ranges
- Graduation: metric 0.01mm
inch 0.001"
- DIN863
- Hollow pipe frame for light weight
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in wooden box

OUTSIDE MICROMETER WITH INTERCHANGEABLE ANVILS



casting frame

Code	Range	Code	Range
3206-50	0-50mm	3206-2	0-2"
3206-100	0-100mm	3206-4	0-4"
3206-150	0-150mm	3206-6	0-6"
3206-101	50-100mm	3206-41	2-4"
3206-151	50-150mm	3206-61	2-6"
3206-200	100-200mm	3206-8	4-8"
3206-300	150-300mm	3206-12	6-12"
3206-301	200-300mm	3206-121	8-12"
3206-400	300-400mm	3206-16	12-16"
3206-500	400-500mm	3206-20	16-20"
3206-600	500-600mm	3206-24	20-24"
3206-700	600-700mm	3206-28	24-28"
3206-800	700-800mm	3206-32	28-32"
3206-900	800-900mm	3206-36	32-36"
3206-1000	900-1000mm	3206-40	36-40"



pipe frame

- Interchangeable anvils for different measuring range
- With ratchet stop to fix anvils
- Graduation: metric 0.01mm
inch 0.0001"(within 12"), 0.001"(over 12")
- DIN863
- Micrometers within 300mm/12" have casting frame,
over 300mm/12" have pipe frame
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in wooden box

ELECTRONIC OUTSIDE MICROMETER WITH INTERCHANGEABLE ANVILS



pipeframe



castingframe

Code	Range
3506-50	0-50mm/0-2"
3506-100	0-100mm/0-4"
3506-150	0-150mm/0-6"
3506-101	50-100mm/2-4"
3506-151	50-150mm/2-6"
3506-200	100-200mm/4-8"
3506-300	150-300mm/6-12"
3506-301	200-300mm/8-12"
3506-400	300-400mm/12-16"
3506-500	400-500mm/16-20"
3506-600	500-600mm/20-24"
3506-700	600-700mm/24-28"
3506-800	700-800mm/28-32"
3506-900	800-900mm/32-36"
3506-1000	900-1000mm/36-40"

- Interchangeable anvils for different measuring range
- With ratchet stop to fix anvils
- Resolution: 0.001mm/0.00005"
- Buttons: on/off, data set, mm/in conversion, ABS/INC, data output
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output, supplied with data output cable, ratchet stop, carbide tips
- DIN863
- Micrometers within 300mm/12" have casting frame, over 300mm/12" have pipe frame
- With zero adjusting wrench
- With battery cover wrench
- Supplied with standard rods
- Packed in wooden box

ELECTRONIC OUTSIDE MICROMETER WITH INTERCHANGEABLE ANVILS



pipeframe



steel plate frame

Code	Range
3106-50	0-50mm/0-2"
3106-100	0-100mm/0-4"
3106-150	0-150mm/0-6"
3106-101	50-100mm/2-4"
3106-151	50-150mm/2-6"
3106-200	100-200mm/4-8"
3106-300	150-300mm/6-12"
3106-301	200-300mm/8-12"
3106-400	300-400mm/12-16"
3106-500	400-500mm/16-20"
3106-600	500-600mm/20-24"
3106-700	600-700mm/24-28"
3106-800	700-800mm/28-32"
3106-900	800-900mm/32-36"
3106-1000	900-1000mm/36-40"

- Interchangeable anvils for different measuring range
- With ratchet stop to fix anvils
- Resolution: 0.001mm/0.00005"
- Buttons: on/off, data set, mm/in conversion, ABS/INC, data output
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output, ratchet friction thimble, carbide tips
- DIN863
- Micrometers within 300mm/12" have steel plate frame, over 300mm/12" have pipe frame
- With battery cover wrench
- Supplied with standard rods
- Packed in wooden box

DEEP THROAT OUTSIDE MICROMETER

- Graduation: metric 0.01mm
inch 0.0001"
- Flat-flat tips (flat-spherical tips and spherical-spherical tips are optional)
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box



Code	Range	Code	Range	Throat depth
3239-251	0-25mm	3239-11	0-1"	50mm/2"
3239-501	25-50mm	3239-21	1-2"	50mm/2"
3239-252	0-25mm	3239-12	0-1"	100mm/4"
3239-502	25-50mm	3239-22	1-2"	100mm/4"
3239-253	0-25mm	3239-13	0-1"	150mm/6"
3239-503	25-50mm	3239-23	1-2"	150mm/6"
3239-254	0-25mm	3239-14	0-1"	300mm/12"
3239-504	25-50mm	3239-24	1-2"	300mm/12"

ELECTRONIC DEEP THROAT OUTSIDE MICROMETER



3539



3139

Code	Code	Range	Throat depth
3539-251	3139-251	0-25mm/0-1"	50mm/2"
3539-501	3139-501	25-50mm/1-2"	50mm/2"
3539-252	3139-252	0-25mm/0-1"	100mm/4"
3539-502	3139-502	25-50mm/1-2"	100mm/4"
3539-253	3139-253	0-25mm/0-1"	150mm/6"
3539-503	3139-503	25-50mm/1-2"	150mm/6"
3539-254	3139-254	0-25mm/0-1"	300mm/12"
3539-504	3139-504	25-50mm/1-2"	300mm/12"

- Resolution: 0.001mm/0.00005"
- Flat-flat tips (flat-spherical tips and spherical-spherical tips are optional)
- Buttons: on/off, data set, mm/in, ABS/INC, data output
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output, **3539** is supplied with data output cable
- Carbide tips, with battery cover wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

BLADE MICROMETER



Code	Range	Code	Range
3232-25	0-25mm	3232-1	0-1"
3232-50	25-50mm	3232-2	1-2"
3232-75	50-75mm	3232-3	2-3"
3232-100	75-100mm	3232-4	3-4"
3232-125	100-125mm	3232-5	4-5"
3232-150	125-150mm	3232-6	5-6"
3232-175	150-175mm	3232-7	6-7"

- Graduation: metric 0.01mm
inch 0.0001"
- The anvil and spindle have blade tips to measure the groove diameter of shafts and keyways
- Blade tip: thickness x width x length=0.75x6x6.5mm (0.030x0.236x0.256")
- Non-rotating spindle, ratchet stop
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

ELECTRONIC BLADE MICROMETER



3532

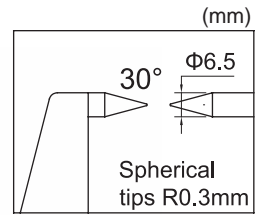


3132

Code	Code	Range
3532-25	3132-25	0-25mm/0-1"
3532-50	3132-50	25-50mm/1-2"
3532-75	3132-75	50-75mm/2-3"
3532-100	3132-100	75-100mm/3-4"
3532-125	3132-125	100-125mm/4-5"
3532-150	3132-150	125-150mm/5-6"
3532-175	3132-175	150-175mm/6-7"

- Resolution: 0.001mm/0.00005"
- The anvil and spindle have blade tips to measure the groove diameter of shafts and keyways
- Blade tip: thickness x width x length=0.75x6x6.5mm (0.030x0.236x0.256")
- Buttons: on/off, data set, mm/in, ABS/INC, data output
- SR44 battery, with one spare battery, auto power off
- RS232 output, **3532** is supplied with data output cable
- Non-rotating spindle
- With battery cover wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

POINT MICROMETER



Code	Range
3230-25	0-25mm
3230-50	25-50mm
3230-75	50-75mm
3230-100	75-100mm
Code	Range
3230-1	0-1"
3230-2	1-2"
3230-3	2-3"
3230-4	3-4"

- Graduation: metric 0.01mm
inch 0.0001"
- Pointed spindle and anvil tips to measure the web thickness of drills, small grooves and keyways
- Measuring tip 30 degree with SR0.3mm/0.012"
- Ratchet stop, carbide tips, with zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

ELECTRONIC POINT MICROMETER



3530



3130

Code	Code	Range
3530-25	3130-25	0-25mm/0-1"
3530-50	3130-50	25-50mm/1-2"
3530-75	3130-75	50-75mm/2-3"
3530-100	3130-100	75-100mm/3-4"

- Resolution: 0.001mm/0.00005"
- Pointed spindle and anvil tips to measure the web thickness of drills, small grooves and keyways
- Measuring tip 30 degree with SR0.3mm/0.012"
- Buttons: on/off, data set, mm/in, ABS/INC, data output
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output, **3530** is supplied with data output cable
- Carbide tips
- With battery cover wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

SMALL TIP MICROMETER



Code	Range	Code	Range
3233-25	0-25mm	3233-1	0-1"
3233-50	25-50mm	3233-2	1-2"
3233-75	50-75mm	3233-3	2-3"
3233-100	75-100mm	3233-4	3-4"
3233-125	100-125mm	3233-5	4-5"
3233-150	125-150mm	3233-6	5-6"
3233-175	150-175mm	3233-7	6-7"

- Graduation: metric 0.01mm
inch 0.0001"
- The anvil and spindle have small diameter tips to measure splined shafts, slots and keyways
- Tips: diameter x length = 2x5mm (0.079x0.197")
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

ELECTRONIC SMALL TIP MICROMETER



3533

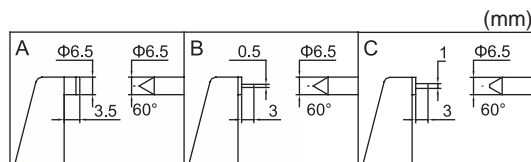


3133

Code	Code	Range
3533-25	3133-25	0-25mm/0-1"
3533-50	3133-50	25-50mm/1-2"
3533-75	3133-75	50-75mm/2-3"
3533-100	3133-100	75-100mm/3-4"
3533-125	3133-125	100-125mm/4-5"
3533-150	3133-150	125-150mm/5-6"
3533-175	3133-175	150-175mm/6-7"

- Resolution: 0.001 mm/0.00005"
- The anvil and spindle have small diameter tips to measure splined shafts, slots and keyways
- Tips: diameter x length = 2x5mm (0.079x0.197")
- Buttons: on/off, data set, mm/in, ABS/INC, data output
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output, **3533** is supplied with data output cable
- Carbide tips
- With battery cover wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

SINGLE POINT MICROMETER



Code	Range
3266-25	0-25mm
3266-50	25-50mm
3266-75	50-75mm
3266-100	75-100mm
Code	Range
3266-1	0-1"
3266-2	1-2"
3266-3	2-3"
3266-4	3-4"

- Graduation: metric 0.01mm
inch 0.0001"
- To measure drills, grooves and hard-to-reach dimensions
- Type A anvil is standard, type B and C are optional
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

ELECTRONIC SINGLE POINT MICROMETER



3566

3166

Code	Code	Range
3566-25	3166-25	0-25mm/0-1"
3566-50	3166-50	25-50mm/1-2"
3566-75	3166-75	50-75mm/2-3"
3566-100	3166-100	75-100mm/3-4"

- Resolution: 0.001mm/0.00005"
- To measure drills, grooves and hard-to-reach dimensions
- Type A anvil is standard, type B and C are optional, same as **3266**
- Buttons: on/off, data set, mm/in, ABS/INC, data output
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output, **3566** is supplied with data output cable
- Carbide tips
- With battery cover wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

JAW TYPE MICROMETER



Code	Range	Code	Range
3283-25	0-25mm	3283-1	0-1"
3283-50	25-50mm	3283-2	1-2"
3283-75	50-75mm	3283-3	2-3"
3283-100	75-100mm	3283-4	3-4"
3283-125	100-125mm	3283-5	4-5"
3283-150	125-150mm	3283-6	5-6"
3283-175	150-175mm	3283-7	6-7"
3283-200	175-200mm	3283-8	7-8"

- Graduation: metric 0.01mm
inch 0.0001"
- Non-rotating spindle, ratchet stop
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

ELECTRONIC JAW TYPE MICROMETER



3583



3183

Code	Code	Range
3583-25	3183-25	0-25mm/0-1"
3583-50	3183-50	25-50mm/1-2"
3583-75	3183-75	50-75mm/2-3"
3583-100	3183-100	75-100mm/3-4"
3583-125	3183-125	100-125mm/4-5"
3583-150	3183-150	125-150mm/5-6"
3583-175	3183-175	150-175mm/6-7"
3583-200	3183-200	175-200mm/7-8"

- Resolution: 0.001mm/0.00005"
- Buttons: on/off, data set, mm/in, ABS/INC, data output
- SR44 battery, with one spare battery, auto power off
- RS232 output, **3583** is supplied with data output cable
- Non-rotating spindle
- With battery cover wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

LARGE ANVIL MICROMETER



Code	Range
3234-25	0-25mm
3234-50	25-50mm
Code	Range
3234-1	0-1"
3234-2	1-2"

- Graduation: metric 0.01mm
inch 0.0001"
- Anvil size: 50x14mm(2x0.56") for 0-25mm/0-1" ,
60x14mm(2.4x0.56") for 25-50mm/1-2"
- Ratchet stop, carbide spindle tip
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

ELECTRONIC LARGE ANVIL MICROMETER



3534

3134

Code	Code	Range
3534-25	3134-25	0-25mm/0-1"
3534-50	3134-50	25-50mm/1-2"

- Resolution: 0.001mm/0.00005"
- Anvil size: 50x14mm(2x0.56") for 0-25mm/0-1" ,
60x14mm(2.4x0.56") for 25-50mm/1-2"
- Buttons: on/off, data set, mm/in, ABS/INC, data output
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output, **3534** is supplied with data output cable
- Carbide spindle tip
- With battery cover wrench
- Supplied with standard rod
- Packed in plastic box or wooden box

SPHERICAL TIP MICROMETER



Code	Range	Code	Range
3260-25	0-25mm	3260-1	0-1"
3260-50	25-50mm	3260-2	1-2"
3260-75	50-75mm	3260-3	2-3"
3260-100	75-100mm	3260-4	3-4"

- Graduation: metric 0.01mm
inch 0.0001"
- For wall thickness of tubes
- Anvil tip is spherical, spindle tip is flat (spherical spindle tip is optional)
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

ELECTRONIC SPHERICAL TIP MICROMETER



3560

3160

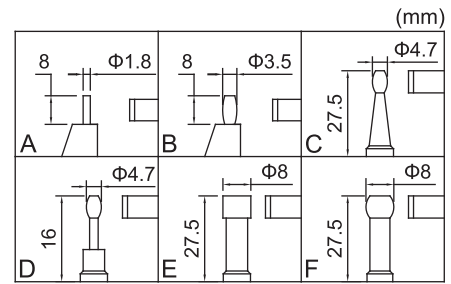
Code	Code	Range
3560-25	3160-25	0-25mm/0-1"
3560-50	3160-50	25-50mm/1-2"
3560-75	3160-75	50-75mm/2-3"
3560-100	3160-100	75-100mm/3-4"

- Resolution: 0.001mm/0.00005"
- For wall thickness of tubes
- Anvil tip is spherical, spindle tip is flat (spherical spindle tip is optional)
- Buttons: on/off, data set, mm/in, ABS/INC, data output
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output, **3560** is supplied with data output cable
- Carbide tips
- With battery cover wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

TUBE MICROMETER



type A



Code	Range
3261-25	0-25mm
3261-50	25-50mm
Code	Range
3261-1	0-1"
3261-2	1-2"

- Graduation: metric 0.01mm
inch 0.0001"
- For wall thickness of tubes
- Anvil: A is standard, type B, C, D, E, F are optional
- Ratchet stop, carbide spindle tip
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

ELECTRONIC TUBE MICROMETER



3561 type A

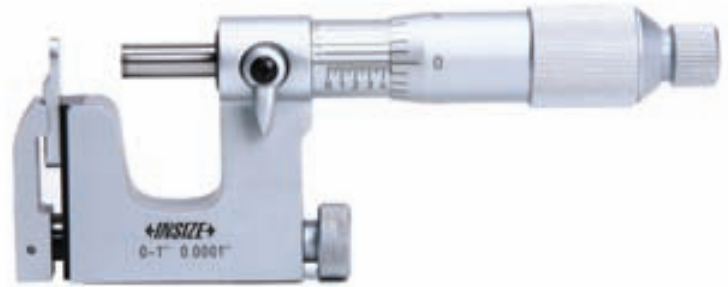


3161 type A

Code	Code	Range
3561-25	3161-25	0-25mm/0-1"
3561-50	3161-50	25-50mm/1-2"

- Resolution: 0.001mm/0.00005"
- For wall thickness of tubes
- Anvil: A is standard, type B, C, D, E, F are optional, same as 3261
- Buttons: on/off, data set, mm/in, ABS/INC, data output
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output, 3561 is supplied with data output cable
- Carbide spindle tip
- With battery cover wrench
- Supplied with standard rod
- Packed in plastic box or wooden box

UNI-MICROMETER



Code	Range	Rod anvil	Flat anvil
3262-25	0-25mm	Ø3mm	6.5x1.5mm
3262-50	25-50mm	Ø5mm	6.5x1.5mm
Code	Range	Rod anvil	Flat anvil
3262-1	0-1"	Ø0.12"	0.256x0.059"
3262-2	1-2"	Ø0.2"	0.256x0.059"

- Graduation: metric 0.01mm
inch 0.0001"
- Measure tube thickness, shoulder edge distance, rivet head height, etc.
- With flat anvil and rod anvil
- Ratchet friction thimble, carbide spindle tip
- With zero adjusting wrench
- Supplied with standard rod
- Packed in plastic box or wooden box

ELECTRONIC UNI-MICROMETER



3562



3162

- Resolution: 0.001mm/0.00005"
- Measure tube thickness, shoulder edge distance, rivet head height, etc.
- With flat anvil and rod anvil
- Buttons: on/off, data set, mm/in, ABS/INC, data output
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output, **3562** is supplied with data output cable
- With battery cover wrench
- Supplied with standard rod
- Packed in plastic box or wooden box

Code	Code	Range	Rod anvil	Flat anvil
3562-25	3162-25	0-25mm/0-1"	Ø3mm/0.12"	6.5x1.5mm/0.256x0.059"
3562-50	3162-50	25-50mm/1-2"	Ø5mm/0.2"	6.5x1.5mm/0.256x0.059"

GEAR ROOT DIAMETER MICROMETER

- Graduation: metric 0.01mm
inch 0.001"
- With adjustable anvils
- Micrometer within 200mm/8" have casting frame,
over 200mm/8" have pipe frame
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in wooden box



Code	Range	Point	Code	Range	Point
3297-100	5-100mm	SR0.4mm	3297-4	0.2-4"	SR0.016"
3297-200	100-200mm	SR0.5mm	3297-8	4-8"	SR0.020"
3297-300	200-300mm	SR0.7mm	3297-12	8-12"	SR0.028"
3297-400	300-400mm	SR0.7mm	3297-16	12-16"	SR0.028"
3297-500	400-500mm	SR0.7mm	3297-20	16-20"	SR0.028"
3297-600	500-600mm	SR0.7mm	3297-24	20-24"	SR0.028"
3297-700	600-700mm	SR0.7mm	3297-28	24-28"	SR0.028"
3297-800	700-800mm	SR0.7mm	3297-32	28-32"	SR0.028"
3297-900	800-900mm	SR0.7mm	3297-36	32-36"	SR0.028"

ELECTRONIC GEAR ROOT DIAMETER MICROMETER



3597



3197

Code	Code	Range	Point
3597-100	3197-100	5-100mm/0.2-4"	SR0.4mm/0.016"
3597-200	3197-200	100-200mm/4-8"	SR0.5mm/0.020"
3597-300	3197-300	200-300mm/8-12"	SR0.7mm/0.028"
3597-400	3197-400	300-400mm/12-16"	SR0.7mm/0.028"
3597-500	3197-500	400-500mm/16-20"	SR0.7mm/0.028"
3597-600	3197-600	500-600mm/20-24"	SR0.7mm/0.028"
3597-700	3197-700	600-700mm/24-28"	SR0.7mm/0.028"
3597-800	3197-800	700-800mm/28-32"	SR0.7mm/0.028"
3597-900	3197-900	800-900mm/32-36"	SR0.7mm/0.028"

- Resolution: 0.001mm/0.00005"
- With adjustable anvils
- Micrometer within 200mm/8" have casting frame,
over 200mm/8" have pipe frame
- Buttons: on/off, data set, mm/in, ABS/INC, data output
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output, 3597 is supplied with data output cable
- Carbide tips
- With battery cover wrench
- Supplied with standard rods
- Packed in wooden box

NON ROTATING SPINDLE DISK MICROMETER

- Graduation: metric 0.01mm
inch 0.0001"
- Non-rotating spindle
- Ratchet stop
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box



Code	Range	Dia. of disk	Code	Range	Dia. of disk
3294-25	0-25mm	20mm	3294-1	0-1"	0.8"
3294-50	25-50mm	20mm	3294-2	1-2"	0.8"
3294-75	50-75mm	20mm	3294-3	2-3"	0.8"
3294-100	75-100mm	20mm	3294-4	3-4"	0.8"
3294-125	100-125mm	30mm	3294-5	4-5"	1.2"
3294-150	125-150mm	30mm	3294-6	5-6"	1.2"
3294-175	150-175mm	30mm	3294-7	6-7"	1.2"
3294-200	175-200mm	30mm	3294-8	7-8"	1.2"

NON ROTATING SPINDLE ELECTRONIC DISK MICROMETER



3594



3194

Code	Code	Range	Dia. of disk
3594-25	3194-25	0-25mm/0-1"	20mm/0.8"
3594-50	3194-50	25-50mm/1-2"	20mm/0.8"
3594-75	3194-75	50-75mm/2-3"	20mm/0.8"
3594-100	3194-100	75-100mm/3-4"	20mm/0.8"
3594-125	3194-125	100-125mm/4-5"	30mm/1.2"
3594-150	3194-150	125-150mm/5-6"	30mm/1.2"
3594-175	3194-175	150-175mm/6-7"	30mm/1.2"
3594-200	3194-200	175-200mm/7-8"	30mm/1.2"

- Resolution: 0.001mm/0.00005"
- Non-rotating spindle
- Buttons: on/off, data set, mm/in, ABS/INC, data output
- SR44 battery, with one spare battery, auto power off
- RS232 output, **3594** is supplied with data output cable
- With battery cover wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

DISK MICROMETER



Code	Range	Dia. of disk	Code	Range	Dia. of disk
3282-25	0-25mm	20mm	3282-1	0-1"	0.8"
3282-50	25-50mm	20mm	3282-2	1-2"	0.8"
3282-75	50-75mm	20mm	3282-3	2-3"	0.8"
3282-100	75-100mm	20mm	3282-4	3-4"	0.8"
3282-125	100-125mm	30mm	3282-5	4-5"	1.2"
3282-150	125-150mm	30mm	3282-6	5-6"	1.2"
3282-175	150-175mm	30mm	3282-7	6-7"	1.2"
3282-200	175-200mm	30mm	3282-8	7-8"	1.2"

- Graduation: metric 0.01mm
inch 0.0001"
- Ratchet stop
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

LARGE DISK MICROMETER



Code	Range	Code	Range
3289-25	0-25mm	3289-1	0-1"
3289-50	25-50mm	3289-2	1-2"
3289-75	50-75mm	3289-3	2-3"
3289-100	75-100mm	3289-4	3-4"

- Graduation: metric 0.01mm
inch 0.001"
- Diameter of disk 60mm/2.4"
- Non-rotating spindle
- Ratchet stop
- With zero adjusting wrench
- Supplied with standard rods
- Packed in wooden box

CALIPER TYPE MICROMETER



Code	Range	Code	Range
3238-25	0-25mm	3238-1	0-1"
3238-50	25-50mm	3238-2	1-2"
3238-75	50-75mm	3238-3	2-3"
3238-100	75-100mm	3238-4	3-4"

- Graduation: metric 0.01mm
inch 0.001"
- Non-rotating spindle
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

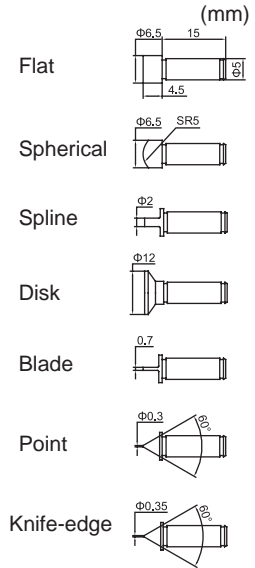
ELECTRONIC CALIPER TYPE MICROMETER



Code	Range
3138-25	0-25mm/0-1"
3138-50	25-50mm/1-2"
3138-75	50-75mm/2-3"
3138-100	75-100mm/3-4"

- Resolution: 0.001mm/0.00005"
- Buttons: on/off, data set, mm/in, ABS/INC, data output
- SR44 battery, with one spare battery, auto power off
- RS232 output
- Non-rotating spindle
- Ratchet friction thimble, carbide tips
- With battery cover wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

UNIVERSAL MICROMETER



Code	Range	Code	Range
3280-25	0-25mm	3280-1	0-1"
3280-50	25-50mm	3280-2	1-2"
3280-75	50-75mm	3280-3	2-3"
3280-100	75-100mm	3280-4	3-4"
3280-125	100-125mm	3280-5	4-5"
3280-150	125-150mm	3280-6	5-6"
3280-175	150-175mm	3280-7	6-7"
3280-200	175-200mm	3280-8	7-8"

- Graduation: metric 0.01mm
inch 0.001"
- With 7 pairs of measuring tips: flat, spherical, spline, disk, blade, point 60° (55° is optional), knife-edge 60° (55° is optional)
- Ratchet stop
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

ELECTRONIC UNIVERSAL MICROMETER



3580



3180

Code	Code	Range
3580-25	3180-25	0-25mm/0-1"
3580-50	3180-50	25-50mm/1-2"
3580-75	3180-75	50-75mm/2-3"
3580-100	3180-100	75-100mm/3-4"
3580-125	3180-125	100-125mm/4-5"
3580-150	3180-150	125-150mm/5-6"
3580-175	3180-175	150-175mm/6-7"
3580-200	3180-200	175-200mm/7-8"

- Resolution: 0.001mm/0.00005"
- With 7 pairs of measuring tips: flat, spherical, spline, disk, blade, point 60° (55° is optional), knife-edge 60° (55° is optional), same as **3280**
- Buttons: on/off, data set, mm/inch, ABS/ INC, data output
- **3580** is IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output, **3580** is supplied with data output cable
- With battery cover wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

GEAR MICROMETER



measuring tips are not included

Code	Range	Code	Range
3291-25	0-25mm	3291-1	0-1"
3291-50	25-50mm	3291-2	1-2"
3291-75	50-75mm	3291-3	2-3"
3291-100	75-100mm	3291-4	3-4"
3291-125	100-125mm	3291-5	4-5"
3291-150	125-150mm	3291-6	5-6"
3291-175	150-175mm	3291-7	6-7"

- Graduation: metric 0.01mm
inch 0.001"
- Measuring tips are optional
- Non-rotating spindle
- Ratchet stop
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

ELECTRONIC GEAR MICROMETER



3591

measuring tips are not included



3191

measuring tips are not included

Code	Code	Range
3591-25	3191-25	0-25mm/0-1"
3591-50	3191-50	25-50mm/1-2"
3591-75	3191-75	50-75mm/2-3"
3591-100	3191-100	75-100mm/3-4"
3591-125	3191-125	100-125mm/4-5"
3591-150	3191-150	125-150mm/5-6"
3591-175	3191-175	150-175mm/6-7"

- Resolution: 0.001mm/0.00005"
- Measuring tips are optional
- Buttons: on/off, data set, mm/inch, ABS/INC, data output
- 3591 is IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output, 3591 is supplied with data output cable
- With battery cover wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

MEASURING TIP FOR GEAR MICROMETER



Set	Individual	Ball dia.	Module (mm)	Diametral pitch (TPI)
7391-TS	7391-T1	Ø1mm/0.04"	0.6-0.65	45
	7391-T2	Ø1.5mm/0.06"	0.9-1.0	28-26
	7391-T3	Ø2.0mm/0.08"	1.25	22
	7391-T4	Ø2.5mm/0.10"	1.5	17
	7391-T5	Ø3.0mm/0.12"	1.75	15
	7391-T6	Ø3.5mm/0.14"	2	13
	7391-T7	Ø4.0mm/0.16"	2.25	11
	7391-T8	Ø4.5mm/0.18"	2.5	10
	7391-T9	Ø5.0mm/0.20"	2.75	9
	7391-T10	Ø6.0mm/0.24"	3.5	7

MEASURING TIP FOR SCREW THREAD MICROMETER

Metric and unified screw (60° thread)

Set	Individual	Pitch (turns/inch)
7381-T1S	7381-T11	0.4-0.5mm/64-48TPI
	7381-T12	0.6-0.9mm/44-28TPI
	7381-T13	1-1.75mm/24-14TPI
	7381-T14	2-3mm/13-9TPI
	7381-T15	3.5-5mm/8-5TPI
	7381-T16	5.5-7mm/4.5-3.5TPI

Whitworth screw (55° thread)

Set	Individual	Pitch (turns/inch)
7381-T2S	7381-T21	60-48TPI
	7381-T22	48-40TPI
	7381-T23	40-32TPI
	7381-T24	32-24TPI
	7381-T25	24-18TPI
	7381-T26	18-14TPI
	7381-T27	14-10TPI
	7381-T28	10-7TPI
	7381-T29	7-4.5TPI
	7381-T210	4.5-3.5TPI



SCREW THREAD MICROMETER



measuring tips are not included

Code	Range	Code	Range
3281-25	0-25mm	3281-1	0-1"
3281-50	25-50mm	3281-2	1-2"
3281-75	50-75mm	3281-3	2-3"
3281-100	75-100mm	3281-4	3-4"
3281-125	100-125mm	3281-5	4-5"
3281-150	125-150mm	3281-6	5-6"
3281-175	150-175mm	3281-7	6-7"
3281-200	175-200mm	3281-8	7-8"

- Graduation: metric 0.01mm
inch 0.001"
- Measure pitch diameter of screw threads
- Supplied with standard rods 60° (55° is optional)
- Measuring tips are optional
- Non-rotating spindle
- Ratchet stop
- With zero adjusting wrench
- Packed in plastic box or wooden box

ELECTRONIC SCREW THREAD MICROMETER



3581

measuring tips are not included



3181

measuring tips are not included

Code	Code	Range
3581-25	3181-25	0-25mm/0-1"
3581-50	3181-50	25-50mm/1-2"
3581-75	3181-75	50-75mm/2-3"
3581-100	3181-100	75-100mm/3-4"
3581-125	3181-125	100-125mm/4-5"
3581-150	3181-150	125-150mm/5-6"
3581-175	3181-175	150-175mm/6-7"
3581-200	3181-200	175-200mm/7-8"

- Resolution: 0.001mm/0.00005"
- Measure pitch diameter of screw threads
- Supplied with standard rods 60° (55° is optional)
- Measuring tips are optional
- Buttons: on/off, data set, mm/inch, ABS/INC, data output
- SR44 battery, with one spare battery, auto power off
- RS232 output, **3581** is supplied with data output cable
- No-rotating spindle
- With battery cover wrench
- Packed in plastic box or wooden box

V-ANVIL MICROMETER



- Graduation: metric 0.01mm
inch 0.001"
- Measure the outside diameter of cutting heads (such as taps, reamers, end mills) with odd number of flutes
- Ratchet stop, carbide tip
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

Code	Range	Flutes	Code	Range	Flutes
3290-153	1-15mm	3	3290-063	0.04-0.6"	3
3290-203	5-20mm	3	3290-083	0.2-0.8"	3
3290-353	20-35mm	3	3290-143	0.8-1.4"	3
3290-503	35-50mm	3	3290-2031	1.4-2.0"	3
3290-653	50-65mm	3	3290-263	2.0-2.6"	3
3290-803	65-80mm	3	3290-323	2.6-3.2"	3
3290-953	80-95mm	3	3290-383	3.2-3.8"	3
3290-253	2.3-25mm	3	3290-103	0.09-1.0"	3
3290-5031	25-50mm	3	3290-2032	1.0-2.0"	3
Code	Range	Flutes	Code	Range	Flutes
3290-255	5-25mm	5	3290-105	0.2-1.0"	5
3290-455	25-45mm	5	3290-185	1.0-1.8"	5
3290-655	45-65mm	5	3290-265	1.8-2.6"	5
3290-855	65-85mm	5	3290-345	2.6-3.4"	5
3290-1055	85-105mm	5	3290-425	3.4-4.2"	5
Code	Range	Flutes	Code	Range	Flutes
3290-257	5-25mm	7	3290-107	0.2-1.0"	7
3290-457	25-45mm	7	3290-187	1.0-1.8"	7
3290-657	45-65mm	7	3290-267	1.8-2.6"	7
3290-857	65-85mm	7	3290-347	2.6-3.4"	7

ELECTRONIC V-ANVIL MICROMETER



3590



3190

Code	Code	Range	Flutes
3590-153	3190-153	1-15mm/0.04-0.6"	3
3590-203	3190-203	5-20mm/0.2-0.8"	3
3590-353	3190-353	20-35mm/0.8-1.4"	3
3590-503	3190-503	35-50mm/1.4-2.0"	3
3590-653	3190-653	50-65mm/2.0-2.6"	3
3590-803	3190-803	65-80mm/2.6-3.2"	3
3590-953	3190-953	80-95mm/3.2-3.8"	3
3590-253	3190-253	2.3-25mm/0.09-1"	3
3590-5031	3190-5031	25-50mm/1-2"	3
Code	Code	Range	Flutes
3590-255	3190-255	5-25mm/0.2-1.0"	5
3590-455	3190-455	25-45mm/1.0-1.8"	5
3590-655	3190-655	45-65mm/1.8-2.6"	5
3590-855	3190-855	65-85mm/2.6-3.4"	5
3590-1055	3190-1055	85-105mm/3.4-4.2"	5
Code	Code	Range	Flutes
3590-257	3190-257	5-25mm/0.2-1.0"	7
3590-457	3190-457	25-45mm/1.0-1.8"	7
3590-657	3190-657	45-65mm/1.8-2.6"	7
3590-857	3190-857	65-85mm/2.6-3.4"	7

- Resolution: 0.001mm/0.00005"
- Measure the outside diameter of cutting heads (such as taps, reamers, end mills) with odd number of flutes
- Buttons: on/off, data set, mm/in, ABS/INC, data output
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output, **3590** is supplied with data output cable
- Carbide tip
- With battery cover wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

HUB MICROMETER



Code	Range
3292-25	0-25mm
3292-50	25-50mm
3292-75	50-75mm
3292-100	75-100mm
Code	Range
3292-1	0-1"
3292-2	1-2"
3292-3	2-3"
3292-4	3-4"

- Graduation: metric 0.01mm
inch 0.0001"
- Measure hub thickness and shoulder inside a bore
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box

WIRE MICROMETER



Code	Range	Graduation
3285-10	0-10mm	0.01mm
3285-4	0-0.4"	0.0001"

- Measure wire or small ball diameter
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Packed in plastic box

SHEET METAL MICROMETER



Code	Range	Throat depth
3263-15	0-15mm	50mm
3263-25	0-25mm	50mm
3263-50	0-50mm	100mm
Code	Range	Throat depth
3263-06	0-0.6"	2.0"
3263-1	0-1"	2.0"
3263-2	0-2"	3.9"

- Graduation: metric 0.01mm
inch 0.001"
- Measure thickness of sheet metal, paper, plastic and rubber parts
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Packed in wooden box

MICROMETER FOR HOT PLATE



Code	Range	Code	Range
3264-15	0-15mm	3264-06	0-0.6"
3264-30	15-30mm	3264-12	0.6-1.2"
3264-45	30-45mm	3264-18	1.2-1.8"
3264-60	45-60mm	3264-24	1.8-2.4"
3264-75	60-75mm	3264-31	2.4-3.0"
3264-90	75-90mm	3264-36	3.0-3.6"
3264-105	90-105mm	3264-42	3.6-4.2"

- Graduation: metric 0.05mm
inch 0.002"
- Measure thickness of hot rolling sheet metal
- Carbide tips
- Supplied with standard rod
- Packed in wooden box

CAN SEAM MICROMETER

- Graduation: metric 0.01mm
inch 0.001"
- Measure the width, height and depth of can seams
- Carbide tips
- With zero adjusting wrench
- Packed in plastic box

Code	Range	Application
3293-131	0-13mm	for steel can
3293-132	0-13mm	for aluminum can
3293-133	0-13mm	for sprayer can
Code	Range	Application
3293-061	0-0.6"	for steel can
3293-062	0-0.6"	for aluminum can
3293-063	0-0.6"	for sprayer can



3293-133

LIMIT MICROMETER



Code	Range
3235-25	0-25mm
3235-50	25-50mm
Code	Range
3235-1	0-1"
3235-2	1-2"

- Graduation: metric 0.002mm
inch 0.0001"
- Used as GO/NOGO gage by setting high and low limits
- Carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

INDICATING SNAP MICROMETER



Code	Range
3334-25	0-25mm
3334-50	25-50mm
3334-75	50-75mm
3334-100	75-100mm
Code	Range
3334-1	0-1"
3334-2	1-2"
3334-3	2-3"
3334-4	3-4"

- Go/Nogo judgement for mass production
- Indicator graduation: metric 0.001mm
inch 0.00005"
- Indicator range: metric ± 0.04 mm
inch ± 0.0015 "
- IP54 protection
- Measuring force 5-10N
- Carbide tips
- Supplied with standard rods
- Packed in aluminum box

INDICATING SNAP MICROMETER



type A



type B

Code	Range	Available types
3332-25	0-25mm	A, B
3332-50	25-50mm	A
3332-75	50-75mm	A
3332-100	75-100mm	A
Code	Range	Available types
3332-1	0-1"	A, B
3332-2	1-2"	A
3332-3	2-3"	A
3332-4	3-4"	A

- Micrometer graduation: metric 0.002mm
inch 0.0001"
- Indicator graduation: metric 0.001mm
inch 0.00005"
- Indicator range: metric ± 0.04 mm
inch ± 0.0015 "
- Type A is standard (type B is optional)
- Carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in aluminum box

MICROMETER WITH DIAL INDICATOR



Code	Range	Code	Range
3331-25	0-25mm	3331-1	0-1"
3331-50	25-50mm	3331-2	1-2"
3331-75	50-75mm	3331-3	2-3"
3331-100	75-100mm	3331-4	3-4"
3331-125	100-125mm	3331-5	4-5"
3331-150	125-150mm	3331-6	5-6"
3331-175	150-175mm	3331-7	6-7"

- Micrometer graduation: metric 0.01mm
inch 0.0001"
- Dial indicator graduation: metric 0.01mm
inch 0.0005"
- Dial indicator range: metric 10mm
inch 0.5"
- Carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in wooden box

MICROMETER WITH DIAL INDICATOR



Code	Range	Code	Range
3296-100	0-100mm	3296-4	0-4"
3296-200	100-200mm	3296-8	4-8"
3296-300	200-300mm	3296-12	8-12"
3296-400	300-400mm	3296-16	12-16"
3296-500	400-500mm	3296-20	16-20"
3296-600	500-600mm	3296-24	20-24"
3296-700	600-700mm	3296-28	24-28"
3296-800	700-800mm	3296-32	28-32"
3296-900	800-900mm	3296-36	32-36"
3296-1000	900-1000mm	3296-40	36-40"

- Micrometer graduation: metric 0.01mm
inch 0.001"
- Dial indicator graduation: metric 0.01mm
inch 0.0005"
- Dial indicator range: metric 10mm
inch 0.5"
- Micrometers within 300mm/12" have steel plate frame,
over 300mm/12" have pipe frame
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in wooden box

ELECTRONIC MICROMETER WITH DIAL INDICATOR



3596



3196

Code	Code	Range
3596-100	3196-100	0-100mm/0-4"
3596-200	3196-200	100-200mm/4-8"
3596-300	3196-300	200-300mm/8-12"
3596-400	3196-400	300-400mm/12-16"
3596-500	3196-500	400-500mm/16-20"
3596-600	3196-600	500-600mm/20-24"
3596-700	3196-700	600-700mm/24-28"
3596-800	3196-800	700-800mm/28-32"
3596-900	3196-900	800-900mm/32-36"
3596-1000	3196-1000	900-1000mm/36-40"

- Micrometer resolution: metric 0.001mm
inch 0.00005"
- Dial indicator graduation: metric 0.01mm
inch 0.0005"
- Dial indicator range: metric 10mm
inch 0.5"
- Micrometers within 300mm/12" have steel plate frame, over 300mm/12" have pipe frame
- Buttons: on/off, data set, mm/in, ABS/INC, data output
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output, **3596** is supplied with data output cable
- Carbide tips
- With battery cover wrench
- Supplied with standard rods
- Packed in wooden box

GROOVE MICROMETER

- Graduation: metric 0.01mm
inch 0.001"
- Flanged spindle to measure width, depth and location of grooves inside/outside bores and tubes
- Two graduations for inside and outside measurement
- Packed in plastic box or wooden box

Code	Range(outside)	Range(inside)
3287-25	0-25mm	1.6-26.5mm
3287-50	25-50mm	26.5-51.5mm
3287-75	50-75mm	51.5-76.5mm
3287-100	75-100mm	76.5-101.5mm
Code	Range(outside)	Range(inside)
3287-1	0-1"	0.06-1.05"
3287-2	1-2"	1.05-2.05"
3287-3	2-3"	2.05-3.05"
3287-4	3-4"	3.05-4.05"



DEPTH MICROMETER

Code	Range
3241-25	0-25mm
3241-50	0-50mm
3241-100	0-100mm
3241-150	0-150mm
3241-200	0-200mm
3241-300	0-300mm
Code	Range
3241-1	0-1"
3241-2	0-2"
3241-4	0-4"
3241-6	0-6"
3241-8	0-8"
3241-12	0-12"



- Graduation: metric 0.01mm
inch 0.001"
- Flat tips (spherical tips are optional)
- Base length 101.5mm/4" (63mm/2.5" is optional)
- Ratchet stop
- With zero adjusting wrench
- Supplied with ratchet stop to fix measuring rods
- Packed in plastic box or wooden box

DEPTH MICROMETER

Code	Range
3240-25	0-25mm
3240-50	0-50mm
3240-100	0-100mm
3240-150	0-150mm
3240-200	0-200mm
3240-300	0-300mm
Code	Range
3240-1	0-1"
3240-2	0-2"
3240-4	0-4"
3240-6	0-6"
3240-8	0-8"
3240-12	0-12"



- Graduation: metric 0.01mm
inch 0.001"
- Flat tips (spherical tips are optional)
- Base length 101.5mm/4" (63mm/2.5" is optional)
- Ratchet stop
- With zero adjusting wrench
- Packed in plastic box or wooden box

ELECTRONIC DEPTH MICROMETER



3540



3140

Code	Code	Range
3540-25	3140-25	0-25mm/0-1"
3540-50	3140-50	0-50mm/0-2"
3540-100	3140-100	0-100mm/0-4"
3540-150	3140-150	0-150mm/0-6"
3540-200	3140-200	0-200mm/0-8"
3540-300	3140-300	0-300mm/0-12"

- Resolution: 0.001mm/0.00005"
- Flat tips (spherical tips are optional)
- Base length 101.5mm/4" (63mm/2.5" is optional)
- Buttons: on/off, data set, mm/inch, ABS/INC, data output
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output, **3540** is supplied with data output cable
- With battery cover wrench
- Packed in plastic box or wooden box

INSIDE MICROMETER



Code	Range	Code	Range
3220-30	5-30mm	3220-1	0.2-1.2"
3220-50	25-50mm	3220-2	1-2"
3220-75	50-75mm	3220-3	2-3"
3220-100	75-100mm	3220-4	3-4"
3220-125	100-125mm	3220-5	4-5"
3220-150	125-150mm	3220-6	5-6"
3220-175	150-175mm	3220-7	6-7"
3220-200	175-200mm	3220-8	7-8"

- Graduation: metric 0.01mm
inch 0.001"
- Only micrometers 5-30mm/0.2-1.2" and 25-50mm/1-2" are supplied with standard rings
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Packed in plastic box or wooden box

ELECTRONIC INSIDE MICROMETER



3520



3120

Code	Code	Range
3520-30	3120-30	5-30mm/0.2-1.2"
3520-50	3120-50	25-50mm/1-2"
3520-75	3120-75	50-75mm/2-3"
3520-100	3120-100	75-100mm/3-4"
3520-125	3120-125	100-125mm/4-5"
3520-150	3120-150	125-150mm/5-6"
3520-175	3120-175	150-175mm/6-7"
3520-200	3120-200	175-200mm/7-8"

- Resolution: 0.001mm/0.00005"
- Only micrometers 5-30mm/0.2-1.2" and 25-50mm/1-2" are supplied with standard rings
- Buttons: on/off, data set, mm/inch, ABS/INC, data output
- SR44 battery, with one spare battery, auto power off
- RS232 output, **3520** is supplied with data output cable
- Carbide tips
- With battery cover wrench
- Packed in plastic box or wooden box

INTERNAL MICROMETER



- Graduation: metric 0.01mm
inch 0.001"
- Micrometer head 50-63mm or 2-2.5", diameter of rod 15.5mm or 0.61"
- Carbide tips
- With zero adjusting wrench
- Supplied with standard block
- Packed in plastic box or wooden box

Code	Range	Extension rods
3222-63	50-63mm	micrometer head
3222-100	50-100mm	13mm, 25mm
3222-150	50-150mm	13mm, 25mm, 50mm
3222-300	50-300mm	13mm, 25mm, 50mm(2pcs), 100mm
3222-500	50-500mm	13mm, 25mm, 50mm(2pcs), 100mm, 200mm
3222-1000	50-1000mm	13mm, 25mm, 50mm, 100mm(2pcs), 150mm, 200mm, 300mm
3222-1500	50-1500mm	13mm, 25mm, 50mm, 100mm(2pcs), 150mm, 200mm(2pcs), 300mm(2pcs)
3222-75	50-75mm	13mm
3222-175	50-175mm	13mm, 25mm(2pcs), 50mm
3222-250	50-250mm	13mm, 25mm, 50mm, 100mm
3222-600	50-600mm	13mm, 25mm, 50mm, 100mm, 150mm, 200mm
Code	Range	Extension rods
3222-25	2-2.5"	micrometer head
3222-4	2-4"	0.5", 1"
3222-6	2-6"	0.5", 1", 2"
3222-12	2-12"	0.5", 1", 2"(2pcs), 4"
3222-20	2-20"	0.5", 1", 2"(2pcs), 4", 8"
3222-40	2-40"	0.5", 1", 2", 4"(2pcs), 6", 8", 12"
3222-60	2-60"	0.5", 1", 2", 4"(2pcs), 6", 8"(2pcs), 12"(2pcs)
3222-3	2-3"	0.5"
3222-7	2-7"	0.5", 1"(2pcs), 2"
3222-10	2-10"	0.5", 1", 2", 4"
3222-24	2-24"	0.5", 1", 2", 4", 6", 8"

INTERNAL MICROMETER

- Graduation: metric 0.01mm
inch 0.001"
- Micrometer head 100-125mm or 4-5",
diameter of rod 22mm or 0.866"
- Carbide tips
- With zero adjusting wrench
- Supplied with standard block
- Packed in wooden box



Code	Range	Extension rods
3225-125	100-125mm	micrometer head
3225-500	100-500mm	25mm, 50mm, 100mm, 200mm
3225-900	100-900mm	25mm, 50mm, 100mm, 200mm, 400mm
3225-1300	100-1300mm	25mm, 50mm, 100mm, 200mm, 400mm(2pcs)
3225-1700	100-1700mm	25mm, 50mm, 100mm, 200mm, 400mm(3pcs)
3225-2100	100-2100mm	25mm, 50mm, 100mm, 200mm, 400mm(4pcs)
Code	Range	Extension rods
3225-5	4-5"	micrometer head
3225-20	4-20"	1", 2", 4", 8"
3225-36	4-36"	1", 2", 4", 8", 16"
3225-52	4-52"	1", 2", 4", 8", 16"(2pcs)
3225-68	4-68"	1", 2", 4", 8", 16"(3pcs)
3225-84	4-84"	1", 2", 4", 8", 16"(4pcs)

INTERNAL MICROMETER

- Graduation: metric 0.01mm
inch 0.001"
- Micrometer head 150-175mm or 6-7",
diameter of rod 22mm or 0.866"
- Carbide tips
- With zero adjusting wrench
- Supplied with standard block
- Packed in wooden box



Code	Range	Extension rods
3223-175	150-175mm	micrometer head
3223-1400	150-1400mm	25mm, 50mm(2pcs), 100mm, 200mm, 400mm(2pcs)
3223-2000	150-2000mm	25mm, 50mm(2pcs), 100mm, 200mm(2pcs), 400mm(3pcs)
3223-2100	150-2100mm	25mm, 50mm(2pcs), 100mm(2pcs), 200mm(2pcs), 400mm(3pcs)
Code	Range	Extension rods
3223-7	6-7"	micrometer head
3223-40	6-56"	1", 2"(2pcs), 4", 8", 16"(2pcs)
3223-60	6-80"	1", 2"(2pcs), 4", 8"(2pcs), 16"(3pcs)
3223-80	6-84"	1", 2"(2pcs), 4"(2pcs), 8"(2pcs), 16"(3pcs)

INTERNAL MICROMETER



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

Code	Range	Micrometer head	Code	Range	Micrometer head
3221-32	25-32mm	25-32mm	3221-125	1-1.25"	1-1.25"
3221-50	25-50mm		3221-2	1-2"	
3221-63	50-63mm	50-63mm	3221-25	2-2.5"	2-2.5"
3221-200	50-200mm		3221-8	2-8"	
3221-300	50-300mm		3221-12	2-12"	
3221-225	200-225mm	200-225mm	3221-9	8-9"	8-9"
3221-500	200-500mm		3221-20	8-20"	
3221-1000	200-1000mm		3221-40	8-40"	

INTERNAL MICROMETER



- Graduation: metric 0.01mm
inch 0.001"
- Micrometer head 1000-1050mm or 40-42",
diameter of rod 28mm or 1.102"
- Carbide tips
- With zero adjusting wrench
- Packed in wooden box

Code	Range	Extension rods
3224-1050	1000-1050mm	micrometer head
3224-2000	1000-2000mm	50mm, 100mm(2pcs), 200mm, 500mm
3224-3000	1000-3000mm	50mm, 100mm(2pcs), 200mm, 500mm, 1000mm
3224-4000	1000-4000mm	50mm, 100mm(2pcs), 200mm, 500mm, 1000mm(2pcs)
3224-5000	1000-5000mm	50mm, 100mm(2pcs), 200mm, 500mm, 1000mm(3pcs)
Code	Range	Extension rods
3224-42	40-42"	micrometer head
3224-80	40-80"	2", 4"(2pcs), 8", 20"
3224-120	40-120"	2", 4"(2pcs), 8", 20", 40"
3224-160	40-160"	2", 4"(2pcs), 8", 20", 40"(2pcs)
3224-200	40-200"	2", 4"(2pcs), 8", 20", 40"(3pcs)

SINGLE ROD INTERNAL MICROMETER



- Graduation: metric 0.01mm
inch 0.001"
- Diameter of rod 16mm or 0.63"
- Carbide tips
- With zero adjusting wrench
- Packed in wooden box

Code	Range	Code	Range	Code	Range	Code	Range
3229-75	50-75mm	3229-550	525-550mm	3229-3	2-3"	3229-22	21-22"
3229-100	75-100mm	3229-575	550-575mm	3229-4	3-4"	3229-23	22-23"
3229-125	100-125mm	3229-600	575-600mm	3229-5	4-5"	3229-24	23-24"
3229-150	125-150mm	3229-625	600-625mm	3229-6	5-6"	3229-25	24-25"
3229-175	150-175mm	3229-650	625-650mm	3229-7	6-7"	3229-26	25-26"
3229-200	175-200mm	3229-675	650-675mm	3229-8	7-8"	3229-27	26-27"
3229-225	200-225mm	3229-700	675-700mm	3229-9	8-9"	3229-28	27-28"
3229-250	225-250mm	3229-725	700-725mm	3229-10	9-10"	3229-29	28-29"
3229-275	250-275mm	3229-750	725-750mm	3229-11	10-11"	3229-30	29-30"
3229-300	275-300mm	3229-775	750-775mm	3229-12	11-12"	3229-31	30-31"
3229-325	300-325mm	3229-800	775-800mm	3229-13	12-13"	3229-32	31-32"
3229-350	325-350mm	3229-825	800-825mm	3229-14	13-14"	3229-33	32-33"
3229-375	350-375mm	3229-850	825-850mm	3229-15	14-15"	3229-34	33-34"
3229-400	375-400mm	3229-875	850-875mm	3229-16	15-16"	3229-35	34-35"
3229-425	400-425mm	3229-900	875-900mm	3229-17	16-17"	3229-36	35-36"
3229-450	425-450mm	3229-925	900-925mm	3229-18	17-18"	3229-37	36-37"
3229-475	450-475mm	3229-950	925-950mm	3229-19	18-19"	3229-38	37-38"
3229-500	475-500mm	3229-975	950-975mm	3229-20	19-20"	3229-39	38-39"
3229-525	500-525mm	3229-1000	975-1000mm	3229-21	20-21"	3229-40	39-40"

INTERNAL MICROMETER WITH INTERCHANGEABLE ANVILS



anvils are not included

Code	Range	Code	Range
3226-1001	75-100mm	3221-41	3-4"
3226-1251	100-125mm	3221-51	4-5"
3226-1501	125-150mm	3221-61	5-6"
3226-1751	150-175mm	3221-71	6-7"
3226-2001	175-200mm	3221-81	7-8"
3226-2251	200-225mm	3221-91	8-9"
3226-2501	225-250mm	3221-101	9-10"
3226-2751	250-275mm	3221-111	10-11"
3226-3001	275-300mm	3221-121	11-12"

- Graduation: metric 0.01mm
inch 0.001"
- Single rod
- Anvils are optional
- Supplied with standard block
- Packed in plastic box or wooden box

V-SHAPED AND CONE-SHAPED ANVILS FOR INTERNAL MICROMETER

- For internal micrometer 3226



Set	Individual	Whitworth screw(55° thread)
7321-T2S	7321-T21	60-48TPI
	7321-T22	48-40TPI
	7321-T23	40-32TPI
	7321-T24	32-24TPI
	7321-T25	24-18TPI
	7321-T26	18-14TPI
	7321-T27	14-10TPI
	7321-T28	10-7TPI
	7321-T29	7-4.5TPI
	7321-T210	4.5-3.5TPI

Set	Individual	Metric and unified screw(60° thread)
7321-T1S	7321-T11	0.4-0.5mm/64-48TPI
	7321-T12	0.6-0.9mm/44-28TPI
	7321-T13	1-1.75mm/24-14TPI
	7321-T14	2-3mm/13-9TPI
	7321-T15	3.5-5mm/8-5TPI
	7321-T16	5.5-7mm/4.5-3.5TPI

BALL ANVILS FOR INTERNAL MICROMETER

- For internal micrometer 3226



Set	Individual	Ball dia.	Module (mm)	Diametral pitch (TPI)
7391-TS	7391-T1	Ø1mm/0.04"	0.6-0.65	45
	7391-T2	Ø1.5mm/0.06"	0.9-1.0	28-26
	7391-T3	Ø2.0mm/0.08"	1.25	22
	7391-T4	Ø2.5mm/0.10"	1.5	17
	7391-T5	Ø3.0mm/0.12"	1.75	15
	7391-T6	Ø3.5mm/0.14"	2	13
	7391-T7	Ø4.0mm/0.16"	2.25	11
	7391-T8	Ø4.5mm/0.18"	2.5	10
	7391-T9	Ø5.0mm/0.20"	2.75	9
	7391-T10	Ø6.0mm/0.24"	3.5	7

THREE POINTS INSIDE MICROMETER

- Graduation: metric 0.001mm
inch 0.0001"
- Ratchet stop, carbide tips
- With standard ring
- Packed in aluminum box

Code	Range	Code	Range	Measuring depth
3227-2	2-2.5mm	3227-E01	0.08-0.1"	12.5mm/0.5"
3227-3	2.5-3mm	3227-E012	0.1-0.12"	12.5mm/0.5"
3227-4	3-4mm	3227-E016	0.12-0.16"	22.5mm/0.9"
3227-5	4-5mm	3227-E02	0.16-0.2"	22.5mm/0.9"
3227-6	5-6mm	3227-E024	0.2-0.24"	22.5mm/0.9"
		3227-E028	0.24-0.28"	0.9"
Code	Range	Code	Range	
3227-232	2-3mm (2pcs)	3227-E822	0.08-0.12" (2pcs)	
3227-363	3-6mm (3pcs)	3227-E284	0.12-0.28" (4pcs)	



THREE POINTS INSIDE MICROMETER

- Graduation: metric 0.001mm
inch 0.0001"
- Measuring depth 53.5mm/2.11", with extension rod 100mm/4"
- Ratchet stop, carbide tips
- With standard ring
- Packed in aluminum box

Code	Range
3227-8	6-8mm
3227-10	8-10mm
3227-12	10-12mm
Code	Range
3227-123	6-12mm (3pcs)
Code	Range
3227-E035	0.275-0.35"
3227-E043	0.35-0.425"
3227-E05	0.425-0.5"
Code	Range
3227-E053	0.275-0.5" (3pcs)



THREE POINTS INSIDE MICROMETER

- Graduation: metric 0.005mm
inch 0.0002"
- With extension rod 150mm/6"
- Ratchet stop, carbide tips
- With standard ring
- Packed in aluminum box

Code	Range	Code	Range	Measuring depth
3227-16	12-16mm	3227-E065	0.5-0.65"	80mm/3.2"
3227-20	16-20mm	3227-E08	0.65-0.8"	80mm/3.2"
3227-25	20-25mm	3227-E1	0.8-1"	90mm/3.6"
3227-30	25-30mm	3227-E112	1-1.2"	90mm/3.6"
3227-40	30-40mm	3227-E16	1.2-1.6"	97mm/3.88"
3227-50	40-50mm	3227-E2	1.6-2"	97mm/3.88"
3227-63	50-63mm	3227-E25	2-2.5"	114mm/4.56"
3227-75	62-75mm	3227-E3	2.5-3"	114mm/4.56"
3227-88	75-88mm	3227-E35	3-3.5"	114mm/4.56"
3227-100	87-100mm	3227-E4	3.5-4"	114mm/4.56"
Code	Range	Code	Range	
3227-202	12-20mm (2pcs)	3227-E082	0.5-0.8" (2pcs)	
3227-504	20-50mm (4pcs)	3227-E24	0.8-2" (4pcs)	
3227-1004	50-100mm (4pcs)	3227-E44	2-4" (4pcs)	



THREE POINTS INSIDE MICROMETER

- Graduation: metric 0.005mm
inch 0.0002"
- Measuring depth 150mm/6", with extension rod 150mm/6"
- Measuring heads are interchangeable
- Ratchet stop, carbide tips
- Standard ring is optional
- Packed in aluminum box

Code	Range	Code	Range
3227-125	100-125mm	3227-E5	4-5"
3227-150	125-150mm	3227-E6	5-6"
3227-175	150-175mm	3227-E7	6-7"
3227-200	175-200mm	3227-E8	7-8"
3227-225	200-225mm	3227-E9	8-9"
3227-250	225-250mm	3227-E10	9-10"
3227-275	250-275mm	3227-E11	10-11"
3227-300	275-300mm	3227-E12	11-12"



ELECTRONIC THREE POINTS INSIDE MICROMETER

- Resolution:0.001mm/0.00005"
- Buttons: on/off, data set, mm/inch, ABS/INC
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- Ratchet stop, carbide tips
- RS232 output
- With standard ring
- Packed in aluminum box

Code	Range	Code	Range	Measuring depth
3127-2	2-2.5mm	3127-E01	0.08-0.1"	12.5mm/0.5"
3127-3	2.5-3mm	3127-E012	0.1-0.12"	12.5mm/0.5"
3127-4	3-4mm	3127-E016	0.12-0.16"	22.5mm/0.9"
3127-5	4-5mm	3127-E02	0.16-0.2"	22.5mm/0.9"
3127-6	5-6mm	3127-E024	0.2-0.24"	22.5mm/0.9"
		3127-E028	0.24-0.28"	0.9"
Code	Range	Code	Range	
3127-232	2-3mm (2pcs)	3127-E822	0.08-0.12" (2pcs)	
3127-363	3-6mm (3pcs)	3127-E284	0.12-0.28" (4pcs)	



ELECTRONIC THREE POINTS INSIDE MICROMETER

- Resolution:0.001mm/0.00005"
- Measuring depth 53.5mm/2.11", with extension rod 100mm/4"
- Buttons: on/off, data set, mm/inch, ABS/INC
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- Ratchet stop, carbide tips
- RS232 output
- With standard ring
- Packed in aluminum box

Code	Range
3127-8	6-8mm
3127-10	8-10mm
3127-12	10-12mm
Code	Range
3127-123	6-12mm (3pcs)
Code	Range
3127-E035	0.275-0.35"
3127-E043	0.35-0.425"
3127-E05	0.425-0.5"
Code	Range
3127-E053	0.275-0.5" (3pcs)



ELECTRONIC THREE POINTS INSIDE MICROMETER

- Resolution:0.001mm/0.00005"
- With extension rod 150mm/6"
- Buttons: on/off, data set, mm/inch, ABS/INC
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output
- Ratchet stop, carbide tips
- With standard ring
- Packed in aluminum box

Code	Range	Measuring depth(mm)
3127-16	12-16mm	80
3127-20	16-20mm	80
3127-25	20-25mm	90
3127-30	25-30mm	90
3127-40	30-40mm	97
3127-50	40-50mm	97
3127-63	50-63mm	114
3127-75	62-75mm	114
3127-88	75-88mm	114
3127-100	87-100mm	114
Code	Range	Measuring depth(inch)
3127-E065	0.5-0.65"	3.2"
3127-E08	0.65-0.8"	3.2"
3127-E1	0.8-1"	3.6"
3127-E112	1-1.2"	3.6"
3127-E16	1.2-1.6"	3.88"
3127-E2	1.6-2"	3.88"
3127-E25	2-2.5"	4.56"
3127-E3	2.5-3"	4.56"
3127-E35	3-3.5"	4.56"
3127-E4	3.5-4"	4.56"



Code	Range
3127-202	12-20mm (2pcs)
3127-504	20-50mm (4pcs)
3127-1004	50-100mm (4pcs)
Code	Range
3127-E082	0.5-0.8" (2pcs)
3127-E24	0.8-2" (4pcs)
3127-E44	2-4" (4pcs)

ELECTRONIC THREE POINTS INSIDE MICROMETER

- Resolution: 0.001mm/0.00005"
- Measuring depth 150mm/6", with extension rod 150mm/6"
- Measuring heads are interchangeable
- Buttons: on/off, data set, mm/inch, ABS/INC
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output
- Ratchet stop, carbide tips
- Standard ring is optional
- Packed in aluminum box

Code	Range	Code	Range
3127-125	100-125mm	3127-E5	4-5"
3127-150	125-150mm	3127-E6	5-6"
3127-175	150-175mm	3127-E7	6-7"
3127-200	175-200mm	3127-E8	7-8"
3127-225	200-225mm	3127-E9	8-9"
3127-250	225-250mm	3127-E10	9-10"
3127-275	250-275mm	3127-E11	10-11"
3127-300	275-300mm	3127-E12	11-12"



ELECTRONIC THREE POINTS INSIDE MICROMETER WITH INTERCHANGEABLE ANVILS

- Resolution: 0.001mm/0.00005"
- Buttons: on/off, data set, mm/inch, ABS/INC
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output
- Ratchet stop, carbide tips
- Standard ring is optional
- Packed in wooden box

Code	Range	Extension rods
3621-500	200-500mm	150mm, 500mm
3621-1000	200-1000mm	150mm, 500mm, 1000mm
Code	Range	Extension rods
3621-20	8-20"	6", 20"
3621-40	8-40"	6", 20", 40"



WIDE RANGE THREE POINTS INSIDE MICROMETER

- Graduation: metric 0.001mm
inch 0.0001"
- Measuring depth 230mm/9.2"
- Ratchet stop, carbide tips
- With standard ring except 200-300mm/8-12"
- Packed in aluminum box

Code	Range	Code	Range
3228-70	50-70mm	3228-E28	2-2.8"
3228-100	70-100mm	3228-E4	2.8-4"
3228-150	100-150mm	3228-E6	4-6"
3228-250	150-250mm	3228-E10	6-10"
3228-300	200-300mm	3228-E12	8-12"
Code	Range	Code	Range
3228-S100	50-100mm (2pcs)	3228-SE42	2-4" (2pcs)
3228-S250	100-250mm (2pcs)	3228-SE10	4-10" (2pcs)



ELECTRONIC WIDE RANGE THREE POINTS INSIDE MICROMETER

- Resolution:0.001mm/0.00005"
- Measuring depth 107mm/4.28", with extension rod 150mm/6"
- Buttons: on/off, data set, mm/inch, ABS/ INC
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- RS232 output
- Ratchet stop, carbide tips
- With standard ring except 200-300mm/8-12"
- Packed in aluminum box

Code	Range	Code	Range
3128-70	50-70mm	3128-E28	2-2.8"
3128-100	70-100mm	3128-E4	2.8-4"
3128-150	100-150mm	3128-E6	4-6"
3128-250	150-250mm	3128-E10	6-10"
3128-300	200-300mm	3128-E12	8-12"
Code	Range	Code	Range
3128-S100	50-100mm (2pcs)	3128-SE42	2-4" (2pcs)
3128-S250	100-250mm (2pcs)	3128-SE10	4-10" (2pcs)



MICROMETER STAND



- Packed in carton

Code
6300

MICROMETER STAND



- Packed in carton

Code
6301

SPC CONNECTION CABLE FOR ELECTRONIC MICROMETER

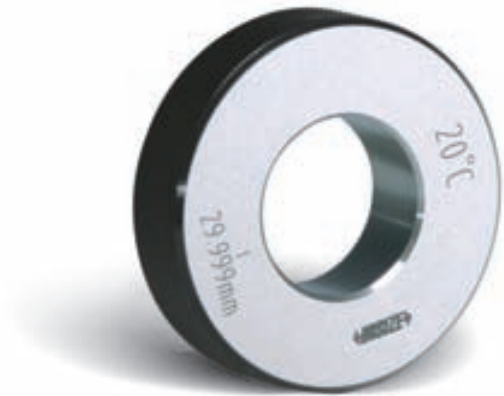
- For RS232 output
- Cable length 2m/0.08"
- Supplied with software
- Packed in carton



Code	For micrometers
7310-SPC1	3100 and other micrometers with 5 buttons
7310-SPC2	3101 and other micrometers with 3 buttons

STANDARD RING

Code	Size	Code	Size
6312-4	4mm	6313-016	0.16"
6312-5	5mm	6313-02	0.2"
6312-6	6mm	6313-0275	0.275"
6312-8	8mm	6313-035	0.35"
6312-10	10mm	6313-0425	0.425"
6312-12	12mm	6313-05	0.5"
6312-16	16mm	6313-065	0.65"
6312-20	20mm	6313-08	0.8"
6312-25	25mm	6313-1	1"
6312-30	30mm	6313-12	1.2"
6312-40	40mm	6313-16	1.6"
6312-50	50mm	6313-2	2"
6312-62	62mm	6313-25	2.5"
6312-70	70mm	6313-28	2.8"
6312-75	75mm	6313-3	3"
6312-87	87mm	6313-35	3.5"
6312-100	100mm	6313-4	4"
6312-150	150mm	6313-6	6"
6312-200	200mm	6313-8	8"



- For zero setting of inside micrometers and three points inside micrometers, as well as dial bore gauges
- Packed in carton, wooden box or aluminum box

STANDARD ROD

- For zero setting of outside micrometers
- Packed in plastic box or wooden box

Code	Size	Tip shape/diameter	Code	Size	Tip shape/diameter
6310-25	25mm	Flat tip/7mm	6311-1	1"	Flat tip/0.276"
6310-50	50mm	Flat tip/7mm	6311-2	2"	Flat tip/0.276"
6310-75	75mm	Flat tip/7mm	6311-3	3"	Flat tip/0.276"
6310-100	100mm	Flat tip/8mm	6311-4	4"	Flat tip/0.315"
6310-125	125mm	Flat tip/8mm	6311-5	5"	Flat tip/0.315"
6310-150	150mm	Flat tip/8mm	6311-6	6"	Flat tip/0.315"
6310-175	175mm	Flat tip/8mm	6311-7	7"	Flat tip/0.315"
6310-200	200mm	Flat tip/8mm	6311-8	8"	Flat tip/0.315"
6310-225	225mm	Flat tip/8mm	6311-9	9"	Flat tip/0.315"
6310-250	250mm	Flat tip/8mm	6311-10	10"	Flat tip/0.315"
6310-275	275mm	Flat tip/8mm	6311-11	11"	Flat tip/0.315"



STANDARD ROD



- For zero setting of outside micrometers
- Packed in wooden box

Code	Size	Tip shape/diameter	Code	Size	Tip shape/diameter
6310-300	300mm	spherical tip/16mm	6311-12	12"	spherical tip/0.63"
6310-325	325mm	spherical tip/16mm	6311-13	13"	spherical tip/0.63"
6310-350	350mm	spherical tip/16mm	6311-14	14"	spherical tip/0.63"
6310-375	375mm	spherical tip/16mm	6311-15	15"	spherical tip/0.63"
6310-400	400mm	spherical tip/16mm	6311-16	16"	spherical tip/0.63"
6310-425	425mm	spherical tip/16mm	6311-17	17"	spherical tip/0.63"
6310-450	450mm	spherical tip/16mm	6311-18	18"	spherical tip/0.63"
6310-475	475mm	spherical tip/16mm	6311-19	19"	spherical tip/0.63"
6310-500	500mm	spherical tip/16mm	6311-20	20"	spherical tip/0.63"
6310-525	525mm	spherical tip/16mm	6311-21	21"	spherical tip/0.63"
6310-575	575mm	spherical tip/16mm	6311-23	23"	spherical tip/0.63"
6310-625	625mm	spherical tip/16mm	6311-25	25"	spherical tip/0.63"
6310-675	675mm	spherical tip/16mm	6311-27	27"	spherical tip/0.63"
6310-725	725mm	spherical tip/16mm	6311-29	29"	spherical tip/0.63"
6310-775	775mm	spherical tip/16mm	6311-31	31"	spherical tip/0.63"
6310-825	825mm	spherical tip/16mm	6311-33	33"	spherical tip/0.63"
6310-875	875mm	spherical tip/16mm	6311-35	35"	spherical tip/0.63"
6310-925	925mm	spherical tip/16mm	6311-37	37"	spherical tip/0.63"
6310-975	975mm	spherical tip/16mm	6311-39	39"	spherical tip/0.63"
Code	Size	Tip shape/diameter	Code	Size	Tip shape/diameter
6310-1050	1050mm	Spherical tip/23mm	6310-2050	2050mm	Spherical tip/34mm
6310-1150	1150mm	Spherical tip/23mm	6310-2150	2150mm	Spherical tip/34mm
6310-1250	1250mm	Spherical tip/23mm	6310-2250	2250mm	Spherical tip/34mm
6310-1350	1350mm	Spherical tip/23mm	6310-2350	2350mm	Spherical tip/34mm
6310-1450	1450mm	Spherical tip/23mm	6310-2450	2450mm	Spherical tip/34mm
6310-1550	1550mm	Spherical tip/23mm	6310-2550	2550mm	Spherical tip/34mm
6310-1650	1650mm	Spherical tip/23mm	6310-2650	2650mm	Spherical tip/34mm
6310-1750	1750mm	Spherical tip/23mm	6310-2750	2750mm	Spherical tip/34mm
6310-1850	1850mm	Spherical tip/23mm	6310-2850	2850mm	Spherical tip/34mm
6310-1950	1950mm	Spherical tip/23mm	6310-2950	2950mm	Spherical tip/34mm

SPHERICAL ANVIL

- To measure tube with outside micrometer
- Ball diameter 5mm/0.2" (8mm/0.32" is optional)
- Packed in carton



Code
6303

MEASURING FORCE DETECTOR

- Measuring force 5-12N
- For outside micrometers 0-25mm/0-1", 25-50mm/1-2", 50-75mm/2-3" and 75-100mm/3-4"
- Packed in plastic box

Code
6315



OPTICAL FLAT FOR MICROMETER INSPECTION

- Check the flatness and parallelism of micrometer measuring faces
- Packed in wooden box



Code	Quantity	Thickness (mm)	Diameter (mm)	For micrometers
4184-41	4pcs	12, 12.12, 12.25, 12.37	30	0-25mm
4184-42	4pcs	25, 25.12, 25.25, 25.37	30	25-50mm
4184-43	4pcs	50, 50.12, 50.25, 50.37	30	50-75mm
4184-44	4pcs	75, 75.12, 75.25, 75.37	40	75-100mm

GAGE BLOCKS FOR MICROMETER INSPECTION



- To check micrometers
- Made of alloy steel
- Packed in wooden box

Code	Quantity	Size(mm)	For micrometers
4104-101	10pcs	2.5, 5.1, 7.7, 10.3, 12.9, 15, 17.6, 20.2, 22.8, 25	0-25mm
4104-102	10pcs	27.5, 30.1, 32.7, 35.3, 37.9, 40, 42.6, 45.2, 47.8, 50	25-50mm
4104-103	10pcs	52.5, 55.1, 57.7, 60.3, 62.9, 65, 67.6, 70.2, 72.8, 75	50-75mm
4104-104	10pcs	77.5, 80.1, 82.7, 85.3, 87.9, 90, 92.6, 95.2, 97.8, 100	75-100mm

CERAMIC GAGE BLOCKS FOR MICROMETER INSPECTION



- 4107-10 is supplied with one piece of optical flat to check flatness
- Made of ceramic, extremely wear-resistant, corrosion resistance, excellent dimension stability
- Packed in wooden box

Code	Total quantity	Size (mm)	For micrometers
4107-10	10pcs	2.5, 5.1, 7.7, 10.3, 12.9, 15, 17.6, 20.2, 22.8, 25	0-25mm
4107-111	11pcs	25, 27.5, 30.1, 32.7, 35.3, 37.9, 40, 42.6, 45.2, 47.8, 50	25-50mm
4107-112	11pcs	50, 52.5, 55.1, 57.7, 60.3, 62.9, 65, 67.6, 70.2, 72.8, 75	50-75mm
4107-113	11pcs	75, 77.5, 80.1, 82.7, 85.3, 87.9, 90, 92.6, 95.2, 97.8, 100	75-100mm

DOUBLE DISPLAY ELECTRONIC MICROMETER HEAD

- Resolution:0.001mm/0.00005"
- Double display, in two directions
- Buttons: on/off, data set, mm/in, ABS/INC, LCD direction
- IP54 protection
- Battery CR2032, auto power off
- RS232 output
- Ratchet friction thimble, flat carbide tip
- Packed in carton

Code	Range
6350-30	0-30mm/0-1.2"

Fixing neck length=17.5mm,
diameter=Ø12+0/-0.011mm,
spindle=Ø6.5mm

Code	Range
6350-50	0-50mm/0-2"

Fixing neck length=35.5mm,
diameter=Ø12+0/-0.011mm,
spindle=Ø6.5mm



front



back

ELECTRONIC MICROMETER HEAD

- Resolution:0.001mm/0.00005"
- Fixing neck length=17.5mm, diameter=Ø12+0/-0.011mm, spindle=Ø6.5mm
- Buttons: on/off, data set, mm/in, ABS/INC
- IP54 level protection
- SR44 battery, autopower off
- RS232 output
- Ratchet friction thimble, flat carbide tip
- Packed in carton

Code	Range
6351-25	0-25mm/0-1"



ELECTRONIC MICROMETER HEAD



Code	Range
6352-25	0-25mm/0-1"

- Resolution:0.001mm/0.00005"
- Fixing neck length=17.5mm, diameter=Ø12+0/-0.011mm, spindle=Ø6.5mm
- Buttons: on/off, data set, mm/in, ABS/ INC, data output
- IP54 level protection
- SR44 battery, auto power off
- RS232 output
- Ratchet friction thimble, flat carbide tip
- Packed in carton

ELECTRONIC MICROMETER HEAD

- Resolution:0.001mm/0.00005"
- Buttons: on/off, data set, mm/in, ABS/ INC, data output
- IP54 level protection
- SR44 battery, auto power off
- RS232 output
- Ratchet stop, flat carbide tip
- Packed in carton

Code	Range
6353-25	0-25mm/0-1"

Fixing neck length=17.5mm,
diameter=Ø12+0/-0.011mm,
spindle=Ø6.5mm

Code	Range
6353-50	0-50mm/0-2"

Fixing neck length=35.5mm,
diameter=Ø12+0/-0.011mm,
spindle=Ø8mm



μ-DIGITAL MICROMETER HEAD

- Counter resolution: metric 0.001mm
inch 0.0001"
- Thimble graduation: metric 0.01mm
inch 0.0001"
- Fixing neck length=17.5mm, diameter=Ø12+0/-0.011mm, spindle=Ø6.5mm
- Ratchet friction thimble, flat carbide tip
- Packed in carton



Code	Range
6361-25	0-25mm
6361-1	0-1"

DIGITAL MICROMETER HEAD

- Counter resolution: metric 0.01mm
inch 0.001"
- Thimble graduation: metric 0.01mm
inch 0.0001"
- Fixing neck length=17.5mm, diameter=Ø12+0/-0.011mm, spindle=Ø6.5mm
- Reverse reading is optional
- Ratchet stop, flat carbide tip
- Packed in carton



Code	Range
6362-25	0-25mm
6362-1	0-1"

MICROMETER HEAD



- Graduation: metric 0.02mm
inch 0.001"
- Fixing neck length=5mm, diameter=Ø3.5+0/-0.008mm, spindle=Ø2mm
- Flat carbide tip
- Packed in carton

Code	Range
6372-5	0-5mm
6372-02	0-0.2"

MICROMETER HEAD



- Graduation: metric 0.01mm
inch 0.001"
- Fixing neck length=3mm, diameter=Ø6+0/-0.009mm, spindle=Ø3.5mm
- Flat carbide tip
- With clamp nut (option: without clamp nut)
- Packed in carton

Code	Range
6372-65	0-6.5mm
6372-025	0-0.25"

MICROMETER HEAD LARGE THIMBLE

- Graduation: metric 0.01mm
inch 0.001"
- Large thimble diameter $\varnothing 20\text{mm}$
- Fixing neck length=5.5mm,
diameter= $\varnothing 9.5+0/-0.009\text{mm}$, spindle= $\varnothing 6.5\text{mm}$
- Flat carbide tip
- With clamp nut (option: without clamp nut)
- Packed in carton

Code	Range
6373-65	0-6.5mm
6373-025	0-0.25"



MICROMETER HEAD LARGE THIMBLE



- Graduation: metric 0.01mm
inch 0.001"
- Large thimble diameter $\varnothing 29\text{mm}$
- Fixing neck length=5.5mm,
diameter= $\varnothing 9.5+0/-0.009\text{mm}$, spindle= $\varnothing 6.5\text{mm}$
- Flat carbide tip
- With clamp nut (option: without clamp nut)
- Packed in carton

Code	Range
6373-13	0-13mm
6373-05	0-0.5"

MICROMETER HEAD



- Graduation: metric 0.01mm
inch 0.001"
- Fixing neck length=5.5mm, diameter= $\varnothing 9.5+0/-0.009\text{mm}$,
spindle= $\varnothing 5\text{mm}$
- Flat carbide tip
- With clamp nut (option: without clamp nut)
- Packed in carton

Code	Range
6372-13	0-13mm
6372-05	0-0.5"

MICROMETER HEAD



- Graduation: metric 0.01mm
inch 0.001"
- Fixing neck length=5.5mm, diameter= $\varnothing 9.5+0/-0.009\text{mm}$,
spindle= $\varnothing 5\text{mm}$
- Flat carbide tip
- With clamp nut (option: without clamp nut)
- Packed in carton

Code	Range
6372-15	0-15mm
6372-06	0-0.6"

MICROMETER HEAD QUICK FEEDING



- Graduation: metric 0.01mm
inch 0.001"
- 100 graduation lines on thimble for quick feeding
- Fixing neck length=10mm,
diameter=Ø12+0/-0.011mm, spindle=Ø8mm
- Flat carbide tip, ratchet stop
- With clamp nut (option: without clamp nut)
- Packed in carton

Code	Range
6375-15	0-15mm
6375-06	0-0.6"

MICROMETER HEAD



- Graduation: metric 0.01mm
inch 0.001"
- Fixing neck length=17.5mm,
diameter=Ø12+0/-0.011mm, spindle=Ø6.5mm
- Flat carbide tip, ratchet stop
- Packed in carton

Code	Range
6372-25	0-25mm
6372-1	0-1"

MICROMETER HEAD QUICK FEEDING

- Graduation: metric 0.01mm
inch 0.001"
- 100 graduation lines on thimble for quick feeding
- Fixing neck length=17.5mm,
diameter=Ø12+0/-0.011mm, spindle=Ø8mm
- Flat carbide tip, ratchet stop
- Packed in carton



Code	Range
6375-25	0-25mm
6375-1	0-1"

MICROMETER HEAD NON ROTATING SPINDLE

- Graduation: metric 0.01mm
inch 0.001"
- Fixing neck length=10mm,
diameter= $\varnothing 12+0/-0.011$ mm, spindle= $\varnothing 8$ mm
- Flat carbide tip, ratchet stop
- Non rotating spindle
- Packed in carton



Code	Range
6377-25	0-25mm
6377-1	0-1"

MICROMETER HEAD NO PARALLAX



- Graduation: metric 0.001mm
inch 0.0001"
- Fixing neck length=17.5mm,
diameter= $\varnothing 12+0/-0.011$ mm, spindle= $\varnothing 6.5$ mm
- Flat carbide tip, friction ratchet thimble
- No parallax
- Packed in carton

Code	Range
6378-25	0-25mm
6378-1	0-1"

MICROMETER HEAD SPINDLE LOCK



- Graduation: metric 0.01mm
inch 0.001"
- Fixing neck length=9mm,
diameter= $\varnothing 10+0/-0.011$ mm, spindle= $\varnothing 6.5$ mm
- Flat carbide tip, ratchet stop
- With spindle lock
- With clamp nut (optional: without clamp nut)
- Packed in carton

Code	Range
6376-25	0-25mm
6376-1	0-1"

MICROMETER HEAD



Code	Range
6372-50	0-50mm
6372-2	0-2"

- Graduation: metric 0.01mm
inch 0.001"
- Fixing neck length=29mm, diameter=Ø12+0/-0.011mm, spindle=Ø8mm
- Flat carbide tip, ratchet stop
- Packed in carton

MICROMETER HEAD QUICK FEEDING



Code	Range
6375-50	0-50mm
6375-2	0-2"

- Graduation: metric 0.01mm
inch 0.001"
- 100 graduation lines on thimble for quick feeding
- Fixing neck length=35.5mm, diameter=Ø22-0.007/-0.012mm, spindle=Ø8mm
- Flat carbide tip, ratchet stop
- Packed in carton

MICROMETER HEAD NON ROTATING SPINDLE

- Graduation: metric 0.005mm
inch 0.0002"
- Micrometer thread pitch 1mm
- Fixing neck length=14mm, diameter=Ø18+0/-0.011mm, spindle=Ø8mm
- Flat carbide tip, ratchet stop
- Non rotating spindle
- Packed in carton

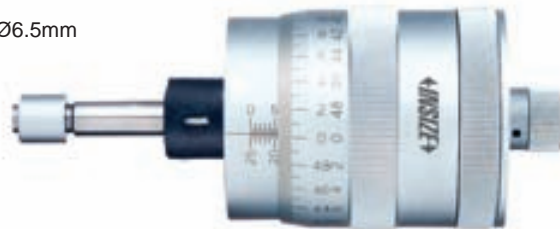


Code	Range
6377-50	0-50mm
6377-2	0-2"

MICROMETER HEAD FINE READING

- Graduation: metric 0.002mm
inch 0.0001"
- Fixing neck length=14mm, diameter= $\varnothing 18+0/-0.011$ mm, spindle= $\varnothing 6.5$ mm
- Large thimble diameter $\varnothing 49$ mm, two-direction graduation
- Flat carbide tip
- Packed in carton

Code	Range
6379-25	0-25mm
6379-50	0-50mm
6379-1	0-1"
6379-2	0-2"



MICROMETER HEAD WITH ZERO ADJUSTMENT

- Graduation: metric 0.001mm
inch 0.0005"
- Large thimble diameter $\varnothing 49$ mm
- Floating thimble (graduation) can be adjusted with spindle clamp, allowing zero setting at any spindle position
- Fixing neck length=14mm, diameter= $\varnothing 18+0/-0.011$ mm, spindle= $\varnothing 8$ mm
- Flat carbide tip
- Packed in carton

Code	Range
6380-25	0-25mm
6380-1	0-1"



MICROMETER HEAD COARSE AND FINE ADJUSTMENT



Code	Range
6371-13	0-13mm
6371-25	0-25mm
6371-05	0-0.5"
6371-1	0-1"

- Fine graduation:0.0005mm/0.00002"
- Coarse graduation:0.01mm/0.001"
- Fixing neck length=10mm, diameter= $\varnothing 9.5+0/-0.011$ mm, spindle= $\varnothing 5$ mm
- Double-thimble allows coarse and fine feeding, fine adjustment range 0.2mm/0.06"
- Flat carbide tip, with clamp nut (option: without clamp nut)
- Packed in carton



DIAL INDICATOR
TEST INDICATOR
LINEAR GAGE
MAGNETIC STAND
MEASURING TABLE
BENCH CENTER

ELECTRONIC DIGITAL INDICATOR



Code	Range	Stem diameter
2101-10	0-10mm/0-0.5"	8mm
2101-25	0-25mm/0-1"	8mm
2101-10E	0-0.5"/0-10mm	3/8"
2101-25E	0-1"/0-25mm	3/8"

- Resolution: 0.005mm/0.0005"
- Buttons: mm/inch, on/off, zero
- Lug back (flat back is optional)
- CR2032 battery, with spare battery, automatic power off
- USB data output
- Packed in plastic box

ELECTRONIC DIGITAL INDICATOR



Code	Range	Stem diameter
2102-10	0-10mm/0-0.5"	8mm
2102-25	0-25mm/0-1"	8mm
2102-10E	0-0.5"/0-10mm	3/8"
2102-25E	0-1"/0-25mm	3/8"

- Resolution: 0.005mm/0.0005"
- Rotary display
- 'Mode' button :
 - to find the difference between minimum and maximum reading
 - to track the minimum or maximum reading
- '+/-' button is for measuring direction change
- Lug back (flat back is optional)
- CR2032 battery, with one spare battery, automatic power off
- USB data output
- Packed in plastic box

LONG RANGE ELECTRONIC DIGITAL INDICATOR



Code	Range	Stem diameter
2107-50	0-50mm/0-2"	8mm
2107-50E	0-2"/0-50mm	3/8"

- Resolution: 0.005mm/0.0002"
- Buttons: mm/inch, ABS/INC, zero
- Flat back and supplied with spare lug back
- CR2032 battery, with spare battery, automatic power off
- USB data output
- Packed in plastic box

PRECISION ELECTRONIC DIGITAL INDICATOR



- Rotary display in digit and analog
- Absolute/relative measurement, range measurement, tolerance measurement
- Lug back (flat back is optional)
- CR2032 battery, with spare battery, automatic power off
- Data output
- Packed in plastic box

Code	Range	Resolution	Stem diameter
2105-101	0-10mm/0-0.5"	0.001mm/0.00005"	8mm
2105-101E	0-0.5"/0-10mm	0.00005"/0.001mm	3/8"

ELECTRONIC DIGITAL INDICATOR FOR BORE GAGE

- Specially designed for bore gage
- Rotary display in digit and analog
- Absolute/relative measurement
- Lug back (flat back is optional)
- CR2032 battery, with spare battery, automatic power off
- Data output
- Packed in plastic box



Code	Range	Resolution	Stem diameter
2106-102	0-10mm/0-0.5"	0.002mm/0.00005"	8mm
2106-101	0-10mm/0-0.5"	0.001mm/0.00005"	8mm
2106-102E	0-0.5"/0-10mm	0.00005"/0.002mm	3/8"
2106-101E	0-0.5"/0-10mm	0.00005"/0.001mm	3/8"

METRIC DIAL INDICATOR



Code	Range	Graduation
2311-3F	0-3mm	0.01mm
2311-5F	0-5mm	0.01mm

- Jeweled
- Bezel diameter 42mm, stem diameter 8mm
- Flat back (lug back is optional)
- With tolerance index
- Satin chrome plated steel body
- Meet DIN878
- Packed in plastic box

METRIC DIAL INDICATOR



Code	Range	Graduation
2308-3F	0-3mm	0.01mm
2308-5F	0-5mm	0.01mm
2308-10F	0-10mm	0.01mm

- Jeweled
- Bezel diameter 58mm, stem diameter 8mm
- Flat back (lug back is optional)
- With tolerance index
- Satin chrome plated steel case
- Meet DIN878
- Packed in plastic box

METRIC DIAL INDICATOR



Code	Range	Graduation
2310-30F	0-30mm	0.01mm

- Jeweled
- Bezel diameter 58mm, stem diameter 8mm
- Flat back (lug back is optional)
- With tolerance index
- Satin chrome plated steel body
- Meet DIN878
- Packed in plastic box

METRIC DIAL INDICATOR



- Jeweled
- **2309-30F** is with flat back (lug back is optional)
- **2309-50, 2309-80, 2309-100** are with flat back and supplied with spare lug back
- With tolerance index
- Satin chrome plated steel body
- Meet DIN878
- Packed in plastic or wooden box

Code	Range	Graduation	Bezel diameter	Stem diameter
2309-30F	0-30mm	0.01mm	58mm	8mm
2309-50	0-50mm	0.01mm	58mm	8mm
2309-80	0-80mm	0.01mm	58mm	8mm
2309-100	0-100mm	0.01mm	78mm	10mm

METRIC SHOCK PROOF DIAL INDICATOR



Code	Range	Graduation
2314-3F	0-3mm	0.01mm
2314-5F	0-5mm	0.01mm
2314-10F	0-10mm	0.01mm

- Shock-proof, jeweled
- Bezel diameter 58mm, stem diameter 8mm
- Flat back (lug back is optional)
- With tolerance index
- Satin chrome plated steel body
- Meet DIN878
- Packed in plastic box

METRIC PRECISION DIAL INDICATOR



Code	Range	Graduation
2313-1F	0-1mm	0.001mm
2313-2F	0-2mm	0.001mm
2313-3F	0-3mm	0.001mm
2313-5F	0-5mm	0.001mm

- Shock proof, jeweled
- Bezel diameter 58mm, stem diameter 8mm
- Flat back (lug back is optional)
- With tolerance index
- Satin chrome plated steel body
- Meet DIN878
- Packed in plastic box

COOLANT PROOF DIAL INDICATOR



Code	Range	Graduation
2324-10	0-10mm	0.01mm

- IP54
- Jeweled
- Bezel diameter 58mm, stem diameter 8mm
- Lug back (flat back is optional)
- Stain chrome finish steel body
- Meet DIN878
- Packed in plastic box

METRIC DIAL INDICATOR



Code	Range	Graduation
2318-10F	0-10mm	0.1mm
2318-15F	0-15mm	0.1mm
2318-20F	0-20mm	0.1mm
2318-25F	0-25mm	0.1mm
2318-30F	0-30mm	0.1mm

- Bezel diameter 60mm, stem diameter 8mm
- Flat back (lug back is optional)
- With tolerance index
- Aluminum body
- Packed in plastic box

METRIC DIAL INDICATOR



Code	Range	Graduation
2319-1	0-1mm	0.01mm
2319-3	0-3mm	0.01mm
2319-5	0-5mm	0.01mm

- Bezel diameter 60mm, stem diameter 8mm
- With tolerance index
- Aluminum body
- Meet DIN878
- Packed in wooden box

METRIC DOUBLE FACE DIAL INDICATOR



Code	Range	Graduation
2328-10	0-10mm	0.01mm

- Read from both sides
- Jeweled
- Bezel diameter 58mm, stem diameter 8mm
- With tolerance index
- Satin chrome plated steel body
- Meet DIN878
- Packed in wooden box

INCH DIAL INDICATOR



Code	Range	Graduation
2304-01	0-0.1"	0.001"
2304-02	0-0.2"	0.001"
2304-025	0-0.25"	0.001"
2304-015	0-0.1"	0.0005"
2304-0205	0-0.2"	0.0005"
2304-0255	0-0.25"	0.0005"

- Bezel diameter 1.6", stem diameter 3/8"
- Lug back
- With bezel locking clamp and tolerance index
- Aluminum body
- Meet ANSI B89.1.10
- Packed in plastic box

INCH DIAL INDICATOR



Code	Range	Graduation
2307-025	0-0.25"	0.001"
2307-05	0-0.5"	0.001"
2307-1	0-1"	0.001"
2307-2	0-2"	0.001"
2307-0255	0-0.25"	0.0005"
2307-055	0-0.5"	0.0005"
2307-105	0-1"	0.0005"
2307-205	0-2"	0.0005"

- Bezel diameter 2.3", stem diameter 3/8"
- Lug back
- With bezel locking clamp and tolerance index
- Aluminum body
- Meet ANSI B89.1.10
- Packed in plastic box or wooden box

INCH DIAL INDICATOR



Code	Range	Graduation
2312-15	0-1.5"	0.001"
2312-2	0-2"	0.001"
2312-155	0-1.5"	0.0005"
2312-25	0-2"	0.0005"

- Bezel diameter 3", stem diameter 3/8"
- Lug back
- With bezel locking clamp and tolerance index
- Aluminum body
- Meet ANSI B89.1.10
- Packed in plastic or wooden box

INCH DIAL INDICATOR



Code	Range	Graduation	Bezel diameter
2326-2	0-2"	0.001"	2.3"
2326-25	0-2"	0.0005"	2.3"
2326-3	0-3"	0.001"	3.1"
2326-4	0-4"	0.001"	3.1"

- Stem diameter 3/8"
- Lug back
- With bezel locking clamp and tolerance index
- Aluminum body
- Meet ANSI B89.1.10
- Packed in wooden box

INCH PRECISION DIAL INDICATOR



Code	Range	Graduation
2315-05	0-0.05"	0.0001"

- Shock proof, jeweled
- Bezel diameter 2.3", stem diameter 3/8"
- Lug back
- With bezel locking clamp and tolerance index
- Aluminum body
- Meet ANSI B89.1.10
- Packed in plastic box

INCH DIAL INDICATOR



Code	Range	Graduation
2317-01	0-0.1"	0.001"
2317-02	0-0.2"	0.001"

- Bezel diameter 2.3", stem diameter 3/8"
- With tolerance index
- Aluminum body
- Meet ANSI B89.1.10
- Packed in wooden box

DUAL GRADUATION DIAL INDICATOR



- Stem diameter 3/8" (8mm is optional)
- Lug back
- With bezel locking clamp and tolerance index
- Aluminum body
- Meet ANSI B89.1.10
- Packed in plastic box or wooden box

Code	Range	Graduation	Bezel diameter
2325-05	0-0.5"/0-12.5mm	0.001"/0.01mm	2.3"
2325-1	0-1"/0-25mm	0.001"/0.01mm	2.3"
2325-2	0-2"/0-50mm	0.001"/0.01mm	3"

DIAL COMPARATOR



Code	Range	Graduation
2306-1F	+/-0.4mm	0.01mm

- Bezel diameter 57mm, stem diameter 8mm
- Flat back (lug back is optional)
- Packed in plastic box

PRECISION DIAL COMPARATOR



- Stem diameter 28mm
- Packed in wooden box

Code	Range	Graduation
2305-1	+/-0.3mm	0.01mm
2305-2	+/-0.15mm	0.005mm
2305-3	+/-0.06mm	0.002mm
2305-4	+/-0.03mm	0.001mm
2305-5	+/-0.1mm	0.001mm
2305-6	+/-0.015mm	0.0005mm
2305-7	+/-0.006mm	0.0002mm

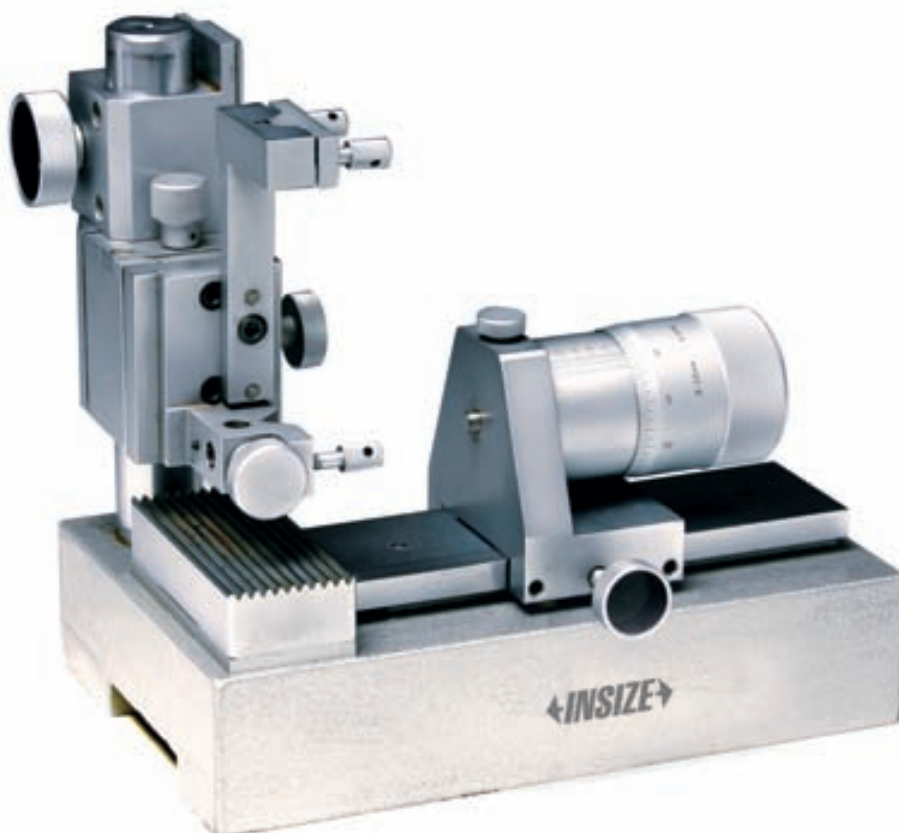
PRECISION DIAL COMPARATOR



- Stem diameter 8mm
- Packed in wooden box

Code	Range	Graduation
2303-1	+/-0.05mm	0.001mm

GAGE CALIBRATION INSTRUMENT



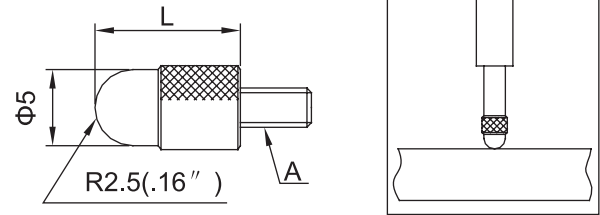
Code	Range
2396-25	0-25mm

- To calibrate dial indicator, test indicator and dial bore gage
- Micrometer head graduation 0.005mm
- With dynamometer
- Packed in wooden box

CONTACT POINT FOR DIAL INDICATOR



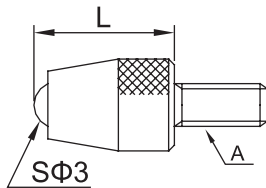
SHELL TYPE POINTS



Note: R2.5 is for M2.5X0.45
R.16" is for #4-48UNF

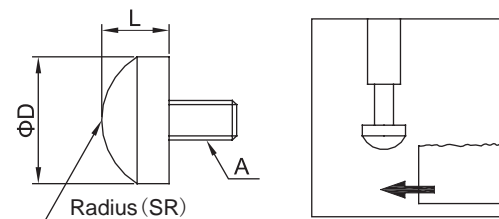
Code	Material	L(mm)	A
6282-0201	Steel	3.97	#4-48UNF
6282-0202	Steel	5	M2.5X0.45
6282-0203	Steel	10	M2.5X0.45
6282-0204	Steel	12.7	#4-48UNF
6282-0205	Steel	15	M2.5X0.45
6282-0206	Steel	19.05	#4-48UNF
6282-0207	Steel	20	M2.5X0.45
6282-0208	Steel	25	M2.5X0.45
6282-0209	Steel	25.4	#4-48UNF
6282-0210	Steel	30	M2.5X0.45

BALL POINTS



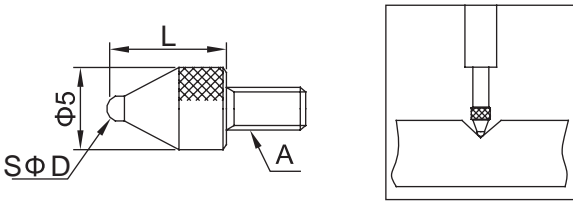
Code	Material	L(mm)	A
6282-0101	Carbide	7.3	M2.5X0.45
6282-0102	Carbide	7.3	#4-48UNF
6282-0103	Ceramic	7.3	M2.5X0.45
6282-0104	Carbide	8.3	M2.5X0.45
6282-0106	Carbide	12.1	M2.5X0.45
6282-0107	Carbide	14	M2.5X0.45
6282-0108	Carbide	15	M2.5X0.45
6282-0109	Ceramic	15	M2.5X0.45
6282-0110	Carbide	17	M2.5X0.45
6282-0111	Carbide	19.3	M2.5X0.45
6282-0112	Carbide	20	M2.5X0.45
6282-0113	Ceramic	20	M2.5X0.45
6282-0114	Carbide	22	M2.5X0.45
6282-0115	Carbide	25	M2.5X0.45
6282-0116	Ceramic	25	M2.5X0.45
6282-0117	Carbide	30	M2.5X0.45
6282-0118	Ceramic	30	M2.5X0.45

SPHERICAL POINTS



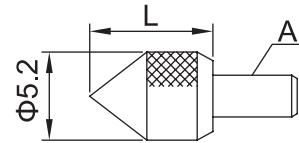
Code	Material	D(mm)	L(mm)	SR(mm)	A
6282-0401	Steel	10	5	7	M2.5X0.45
6282-0402	Steel	12.7	3.18	7	#4-48UNF
6282-0403	Steel	9.53	2.38	9	#4-48UNF

BALL POINTS



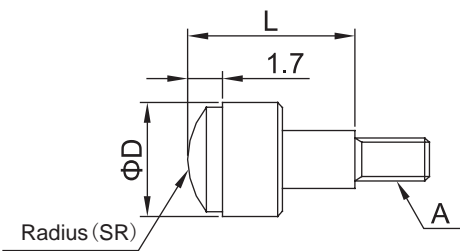
Code	Material	S Φ D(mm)	A
6282-0301	Steel	1	M2.5X0.45
6282-0302	Carbide	1.5	M2.5X0.45
6282-0303	Steel	1.8	M2.5X0.45
6282-0304	Carbide	2.5	M2.5X0.45
6282-0305	Carbide	4	M2.5X0.45
6282-0306	Carbide	4	#4-48UNF

CONICAL POINTS



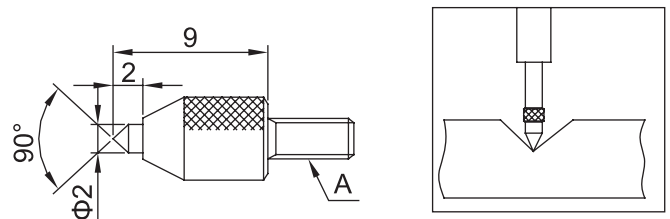
Code	Material	Tip angle	L(mm)	A
6282-0701	Steel	90°	5	M2.5X0.45
6282-0702	Steel	90°	7.14	#4-48UNF

SPHERICAL POINTS



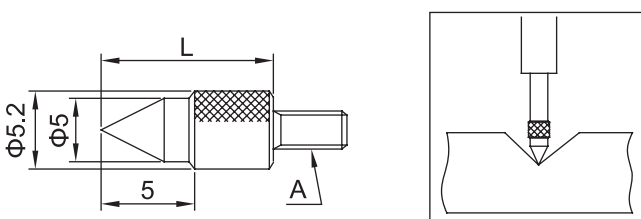
Code	Material	D(mm)	L(mm)	SR(mm)	A
6282-0501	Steel	5.2	5	5	M2.5X0.45
6282-0502	Steel	7.5	10	7	M2.5X0.45
6282-0503	Steel	10.5	10	10	M2.5X0.45

CONICAL POINTS



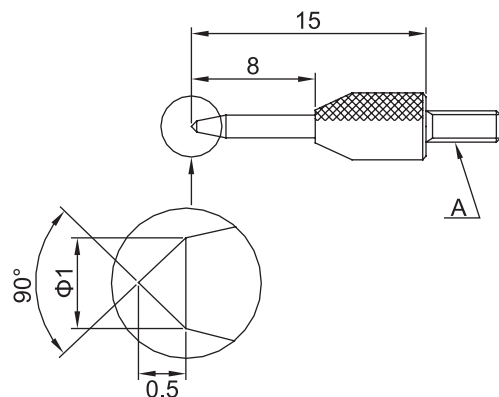
Code	Material	A
6282-0801	Steel	M2.5X0.45

CONICAL POINTS



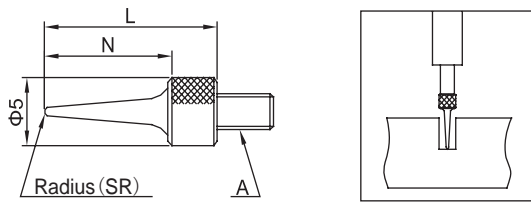
Code	Material	Tip angle	L(mm)	A
6282-0601	Steel	60°	10	M2.5X0.45
6282-0602	Steel	60°	12.7	#4-48UNF

CONICAL POINTS



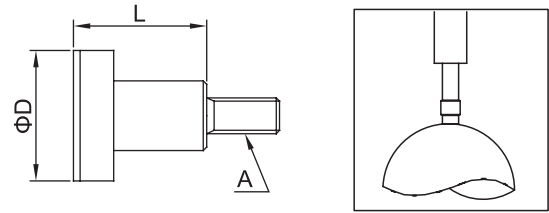
Code	Material	A
6282-0901	Steel	M2.5X0.45

NEEDLE POINTS



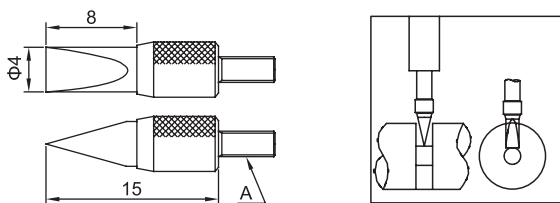
Code	Material	N(mm)	L(mm)	SR(mm)	A
6282-1601	Steel	11	15	0.4	M2.5X0.45
6282-1602	Steel	13	17	0.2	M2.5X0.45
6282-1603	Steel	21	25	0.4	M2.5X0.45
6282-1604	Steel	31	35	0.4	M2.5X0.45

FLAT POINTS



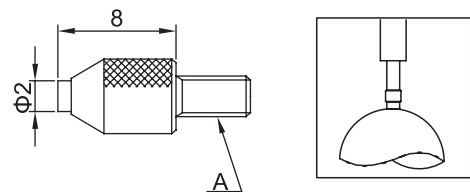
Code	Material	ΦD(mm)	L(mm)	A
6282-1201	Steel	10	10	M2.5X0.45
6282-1202	Steel	15	10	M2.5X0.45
6282-1203	Steel	20	10	M2.5X0.45
6282-1204	Steel	25	10	M2.5X0.45
6282-1205	Steel	30	10	M2.5X0.45
6282-1206	Steel	12.7	9.53	#4-48UNF
6282-1207	Steel	9.53	9.53	#4-48UNF

KNIFE EDGE POINTS



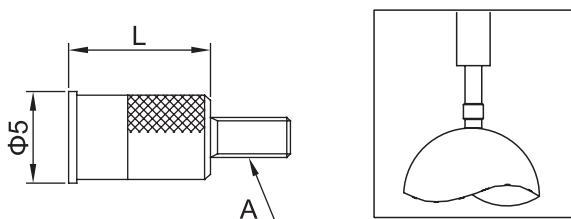
Code	Material	A
6282-1001	Steel	M2.5X0.45

FLAT POINTS



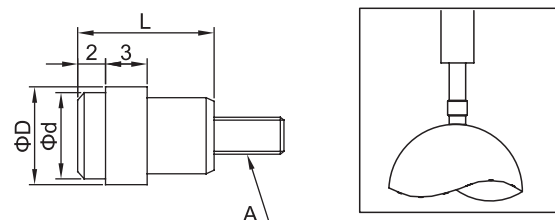
Code	Material	A
6282-1301	Steel	M2.5X0.45

FLAT POINTS



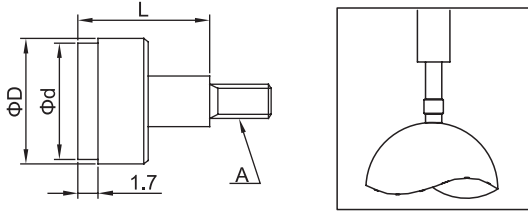
Code	Material	L	A
6282-1101	Steel	8mm	M2.5X0.45
6282-1102	Steel	10mm	M2.5X0.45
6282-1103	Steel	8mm	#4-48UNF

FLAT POINTS



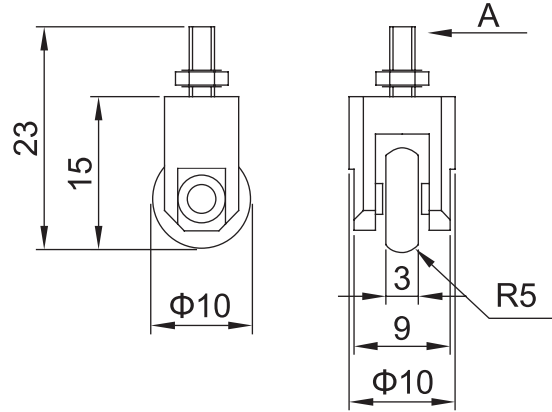
Code	Material	ΦD(mm)	Φd(mm)	L(mm)	A
6282-1501	Steel	7	6.4	10	M2.5X0.45
6282-1502	Steel	9	8	10	M2.5X0.45

FLAT POINTS



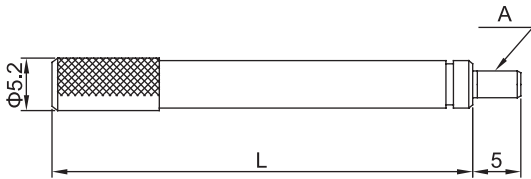
Code	Material	ΦD(mm)	Φd(mm)	L(mm)	A
6282-1401	Steel	5.2	4.3	5	M2.5X0.45
6282-1402	Steel	7	6.5	10	M2.5X0.45
6282-1403	Steel	10.5	9.5	10	M2.5X0.45
6282-1404	Steel	17	15	10	M2.5X0.45
6282-1405	Steel	22	20	10	M2.5X0.45
6282-1406	Steel	27	25	10	M2.5X0.45
6282-1407	Steel	32	30	10	M2.5X0.45

ROLLER POINTS



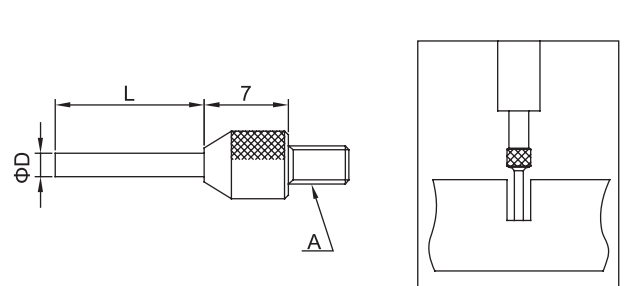
Code	Material	A
6282-1901	Steel	M2.5X0.45
6282-1902	Steel	#4-48UNF

EXTENSION RODS



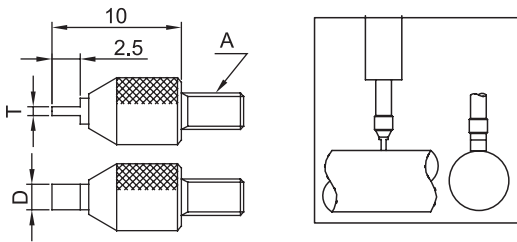
Code	Material	L	A
6282-2001	Steel	10mm	M2.5X0.45
6282-2002	Steel	15mm	M2.5X0.45
6282-2003	Steel	20mm	M2.5X0.45
6282-2004	Steel	25mm	M2.5X0.45
6282-2005	Steel	30mm	M2.5X0.45
6282-2006	Steel	35mm	M2.5X0.45
6282-2007	Steel	40mm	M2.5X0.45
6282-2008	Steel	45mm	M2.5X0.45
6282-2009	Steel	50mm	M2.5X0.45
6282-2010	Steel	55mm	M2.5X0.45
6282-2011	Steel	60mm	M2.5X0.45
6282-2012	Steel	65mm	M2.5X0.45
6282-2013	Steel	70mm	M2.5X0.45
6282-2014	Steel	75mm	M2.5X0.45
6282-2015	Steel	80mm	M2.5X0.45
6282-2016	Steel	90mm	M2.5X0.45
6282-2017	Steel	100mm	M2.5X0.45
6282-2018	Steel	1"	#4-48UNF
6282-2019	Steel	2"	#4-48UNF
6282-2020	Steel	4"	#4-48UNF

NEEDLE POINTS



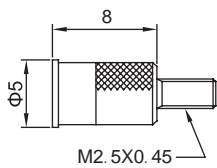
Code	Material	D(mm)	L(mm)	A
6282-1701	Steel	0.45	3	M2.5X0.45
6282-1702	Steel	0.45	5	M2.5X0.45
6282-1703	Carbide	1	3	M2.5X0.45
6282-1704	Carbide	1	5	M2.5X0.45
6282-1705	Carbide	1	8	M2.5X0.45
6282-1706	Carbide	1	10	M2.5X0.45
6282-1707	Carbide	1	20	M2.5X0.45
6282-1708	Carbide	1	40	M2.5X0.45
6282-1709	Carbide	1.5	5	M2.5X0.45
6282-1710	Carbide	1.5	10	M2.5X0.45
6282-1711	Carbide	1.5	13	M2.5X0.45
6282-1712	Carbide	1.5	20	M2.5X0.45
6282-1713	Carbide	1.5	40	M2.5X0.45
6282-1714	Carbide	2	8	M2.5X0.45
6282-1715	Carbide	2	18	M2.5X0.45
6282-1716	Carbide	2	28	M2.5X0.45
6282-1717	Carbide	2	40	M2.5X0.45

BLADE POINTS

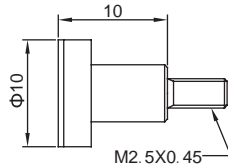


Code	Material	T(mm)	D(mm)	A
6282-1801	Steel	0.4	2	M2.5X0.45
6282-1802	Steel	0.6	2	M2.5X0.45
6282-1803	Steel	1	4	M2.5X0.45

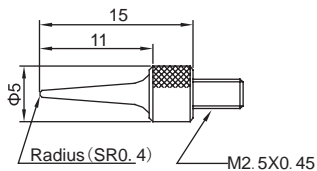
POINT SET



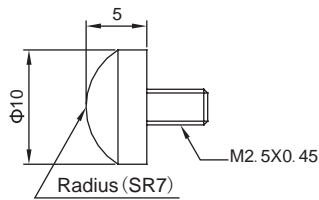
6282-1101



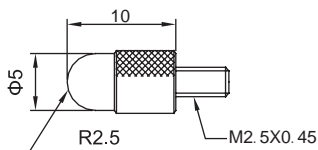
6282-1201



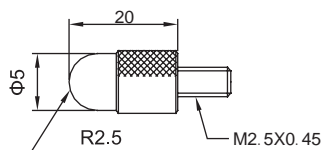
6282-1601



6282-0401



6282-0203



6282-0207

Code	Components	Individual Code
6282-S6	Flat Point	6282-1101
	Flat Point	6282-1201
	Needle Point	6282-1601
	Spherical Point	6282-0401
	Shell Type Point	6282-0203
	Shell Type Point	6282-0207

LUG BACK FOR DIAL INDICATORS



- Made of aluminum
- Packed in plastic pouch

Code	For dial indicators
7330-L1	2311, 2304
7330-L2	2101, 2102, 2308, 2310, 2309-30, 2314, 2313, 2318, 2307, 2326-2, 2315, 2326-25, 2325-05, 2325-1
7330-L3	2312, 2326-3, 2326-4, 2325-2

FLAT BACK FOR DIAL INDICATORS



- Made of aluminum
- Packed in plastic pouch

Code	For dial indicators
7330-F1	2311, 2304
7330-F2	2101, 2102, 2308, 2310, 2309-30, 2314, 2313, 2318, 2307, 2326-2, 2315, 2326-25, 2325-05, 2325-1
7330-F3	2312, 2326-3, 2326-4, 2325-2

ELECTRONIC DIGITAL TEST INDICATOR

- Ruby contact point, diameter 2mm/0.079"
- Probe length 21.4mm/0.843"
- With tolerance measurement
- Satin-chrome plated brass body
- With two holding stems: $\Phi 6$ mm and $\Phi 8$ mm, stems 5/32" DIA. and 3/8" DIA. are optional
- With spare battery
- Meet DIN2270
- Packed in plastic box



Code	Range	Resolution
2181-05	+/-0.5mm/0.02"	0.001mm/0.0001"

DIAL TEST INDICATOR



Code	Range	Graduation	Bezel diameter	Probe length
2380-08	0-0.8mm	0.01mm	30mm	13.5mm
2381-08	0-0.8mm	0.01mm	37.5mm	13.5mm
2380-02	0-0.2mm	0.002mm	32mm	14.7mm
2381-02	0-0.2mm	0.002mm	40mm	14.7mm
Code	Range	Graduation	Bezel diameter	Probe length
2380-31	0-0.03"	0.001"	1.18"	0.53"
2381-31	0-0.03"	0.001"	1.48"	0.53"
2380-35	0-0.03"	0.0005"	1.18"	0.53"
2381-35	0-0.03"	0.0005"	1.48"	0.53"
2380-301	0-0.008"	0.0001"	1.25"	0.58"
2381-301	0-0.008"	0.0001"	1.58"	0.58"

- Jeweled bearing, shock-proof
- Carbide contact point, diameter 2mm/0.079", supplied with wrench
- With two holding stems: metric $\Phi 4$ mm and $\Phi 8$ mm, inch 5/32" DIA. and 3/8" DIA.
- Satin-chrome finish brass body, anti magnetic
- Meet DIN2270
- Packed in plastic box

LONG PROBE DIAL TEST INDICATOR



- Jeweled bearing, shock-proof
- Carbide contact point, diameter 2mm/0.079"
- Probe length: metric 36.23mm, inch 1.45"
- Supplied with wrench to change probes
- With two holding stems: metric Φ 4mm and Φ 8mm, inch 5/32" DIA. and 3/8" DIA.
- Satin chrome finish body, anti magnetic
- Packed in plastic box

Code	Range	Graduation	Bezel diameter
2390-08	0-0.8mm	0.01mm	32mm
2390-208	0-0.8mm	0.01mm	40mm
Code	Range	Graduation	Bezel diameter
2390-35	0-0.04"	0.0005"	1.25"
2390-235	0-0.04"	0.0005"	1.58"

DUAL GRADUATION DIAL TEST INDICATOR



- Jeweled bearing, shock-proof
- Carbide contact point, diameter 0.08"/2mm, supplied with wrench
- Probe length 0.53"/13.5mm
- With two holding stems: 5/32" DIA. and 3/8" DIA.
- Satin-chrome finish brass body, anti magnetic
- Packed in plastic box

Code	Range	Graduation	Bezel diameter
2387-03	0-0.03"/0-0.6mm	0.0005"/0.01mm	1.48"/37.5mm

PRECISION DIAL TEST INDICATOR



- Jeweled bearing, shock-proof
- Ruby contact point, diameter 2mm
- Probe length 16mm
- With two holding stems: Φ 4mm and Φ 8mm
- Satin-chrome finish brass body, anti magnetic
- Meet DIN2270
- Packed in plastic box

Code	Range	Graduation	Bezel diameter
2384-012	0-0.12mm	0.001mm	31mm
2388-012	0-0.12mm	0.001mm	38.4mm

LARGE RANGE DIAL TEST INDICATOR



- Steel contact point, diameter 2mm/0.079"
- Probe length 16mm/0.630"
- Holding stem: metric Φ 4mm, inch 5/32" DIA.
- Meet DIN2270
- Packed in plastic box

Code	Range	Graduation	Bezel diameter
2386-16	+/-1.6mm	0.01mm	38.4mm
Code	Range	Graduation	Bezel diameter
2386-006	+/-0.06"	0.0005"	1.51"

CONTACT POINT FOR DIAL TEST INDICATOR



Code	Material	L	For dial test indicator	Ball
6284-1	Steel	13.5mm/0.53"	2380-08	Ø1mm ball
6284-2	Steel	13.5mm/0.53"	2381-08	Ø2mm ball
6284-3	Carbide	13.5mm/0.53"	2380-31	Ø2mm ball
6284-4	Ruby	13.5mm/0.53"	2381-31	Ø2mm ball
6284-5	Steel	13.5mm/0.53"	2380-35	Ø2mm ball
6287-1	Steel	14.7mm/0.58"	2381-35	Ø3mm ball
6287-2	Steel	14.7mm/0.58"	2380-02	Ø1mm ball
6287-3	Carbide	14.7mm/0.58"	2381-02	Ø2mm ball
6287-4	Carbide	14.7mm/0.58"	2380-301	Ø3mm ball
6287-5	Ruby	14.7mm/0.58"	2381-301	Ø2mm ball

TEST INDICATOR HOLDER



6293-1 and 6293-3

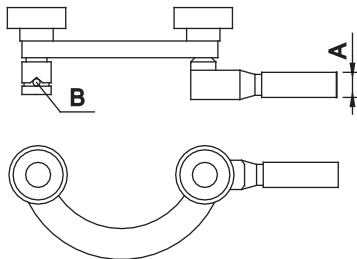


6293-2

- Packed in plastic pouch

Code	Stem section	Stem length	Clamp holes
6293-1	9x9mm	100mm	Ø4mm and Ø8mm
6293-2	Ø8mm	115mm	Ø4mm and Ø8mm
6293-3	0.25x0.5"	4"	5/32" DIA. and 3/8" DIA.

TEST INDICATOR HOLDER



- Packed in plastic pouch

Code	Size A	Size B
6291-1	Ø8mm	Ø4mm
6291-2	Ø1/4"	5/32" DIA.

UNIVERSAL TEST INDICATOR HOLDER



- Set the indicator at a desired position
- Packed in plastic pouch

Code	Stem
6293-4	Ø8mm
6293-5	0.25" DIA.

LINEAR GAGE



- Measuring force less than 0.63N
- With linear ball bearing
- Packed in carton

Code	Range	Stroke
7103	+/-2mm(+/-0.1")	4.3mm/0.17"

COUNTER



- Digital and analog display
- 6 analog resolutions
- Buttons: power on/off, gage calibration, data set, tolerance set, mm/inch conversion absolute and relative measurement, data hold, boolean calculation
- Automatic power off
- RS232 output
- Packed in aluminum box

Code	Accept linear gage	Digital resolution	Display range
7104	1pc	0.1 μm	+/-2000 μm
7104-E	2pcs	5 μin	+/-100000 μin

LINEAR GAGE WITH COUNTER



- Including: counter, linear gage, pedal switch, SPC connection cable, AC/DC adapter, software, batteries, screwdriver, spanner
- Packed in aluminum box

Code	Unit	Counter	Linear gage
7105	μm	7104	7103 (1pc)
7105-E	μin	7104-E	7103 (2pcs)

MAGNETIC STAND

- Main stem: Ø12x176mm (0.5x7")
- Assistant stem: Ø10x160mm (0.4x6.4")
- Clamp hole 3/8" DIA. with Ø8mm sleeve
- For dial indicators with lug back or flat back
- Base: 60x50x55mm (2.4x2x2.2") with on/off switch
- Packed in carton

Code	Magnetic force
6200-60	60kgf/132lbf



MAGNETIC STAND

- With fine adjustment
- Main stem: Ø12x176mm (0.5x7")
- Assistant stem: Ø10x160mm (0.4x6.4")
- Clamp hole 3/8" DIA. with Ø8mm sleeve
- For dial indicators with lug back or flat back
- Base: 60x50x55mm (2.4x2x2.2") with on/off switch
- Packed in carton

Code	Magnetic force
6201-60	60kgf/132lbf



HEAVY DUTY MAGNETIC STAND

- With fine adjustment
- Clamp hole 3/8" DIA. with Ø8mm sleeve
- For dial indicators with lug back or flat back
- Magnetic base with on/off switch
- Packed in carton



Code	Magnetic force	Main stem	Assistant stem	Base
6202-80	80kgf/176lbf	Ø16x225mm(0.6x8.9")	Ø12x190mm(0.5x7.5")	60x50x55mm(2.4x2x2.2")
6202-100	100kgf/220lbf	Ø20x360mm(0.8x14.2")	Ø12x220mm(0.5x8.7")	73x50x55mm(2.9x2x2.2")

HEAVY DUTY MAGNETIC STAND



- With fine adjustment
- Clamp hole 3/8" DIA. with Ø8mm sleeve
- For dial indicators with lug back or flat back
- Magnetic base with on/off switch
- Packed in carton

Code	Magnetic force	Main stem	Assistant stem	Branch stem	Base
6220-80	80kgf/176lbf	Ø20x170mm(0.8x6.7")	Ø14x170mm(0.6x6.7")	Ø10x127mm(0.4x5")	60x50x55mm(2.4x2x2.2")
6220-100	100kgf/220lbf	Ø20x400mm(0.8x15.8")	Ø16x360mm(0.6x14.2")	Ø12x150mm(0.5x6")	73x50x55mm(2.9x2x2.2")

MAGNETIC STAND



- With fine adjustment
- Clamp hole 3/8" DIA. with Ø8mm sleeve
- Magnetic base with on/off switch
- Packed in carton

Code	Magnetic force	Main stem	Assistant stem	Base
6203-60	60kgf/132lbf	Ø16x230mm(0.6x9.1")	Ø16x230mm(0.6x9.1")	70x46x60mm(2.8x1.8x2.4")
6203-80	80kgf/176lbf	Ø20x412mm(0.8x16.2")	Ø16x230mm(0.6x9.1")	75x60x80mm(3x2.4x3.1")

UNIVERSAL MAGNETIC STAND



- Overall stem length 340mm/13.4"
- Dovetail groove for test indicator
- Clamp hole 3/8" DIA. with Ø8mm sleeve
- With fine adjustment
- Base: 60x50x55mm (2.4x2x2.2"), with on/off switch
- Packed in carton

Code	Magnetic force
6208-80	80kgf/176lbf

HEAVY DUTY UNIVERSAL MAGNETIC STAND

- Overall stem length 340mm/13.4"
- Dovetail groove for test indicators
- Clamp hole 3/8" DIA. with Ø8mm sleeve
- With fine adjustment
- Base: 60x50x55mm (2.4x2x2.2"), with on/off switch
- Packed in carton

Code	Magnetic force
6205-80	80kgf/176lbf



FLEX ARM MAGNETIC STAND

- Overall arm length 330mm/13"
- Accept dial indicators with stem Ø8mm and 3/8" DIA.
- Base: 60x50x55mm (2.4x2x2.2"), with on/off switch
- Packed in carton

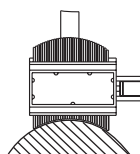
Code	Magnetic force
6207-80	80kgf/176lbf



MAGNETIC STAND FOR UNEVEN SURFACE

- Attached on any shape or contour
- With fine adjustment
- Main stem: Ø12x176mm (0.5x6.9")
- Assistant stem: Ø10x160mm (0.4x6.3")
- Clamp hole 3/8" DIA. with Ø8mm sleeve
- For dial indicator with lug back or flat back
- Packed in carton

Code
6215-60



VACUUM STAND

- To be used on granite plates or other smooth surfaces
- Aluminum base, diameter 80mm/3.1"
- With on/off switch
- Dovetail groove for test indicators
- Clamp hole 3/8" DIA. with Ø8mm sleeve
- With fine adjustment
- Packed in carton

Code

6217



UNIVERSAL STAND

- Main stem: Ø14x200mm (0.6x7.9")
- Assistant stem: Ø12x270mm (0.5x10.6")
- Base: 220x58x35mm (8.7x2.3x1.4")
- Clamp hole 3/8" DIA. with Ø8mm sleeve
- With fine adjustment
- Packed in carton

Code

6214



SMALL MAGNETIC STAND

- Main stem: $\varnothing 7.8 \times 102 \text{mm}$ (0.31 x 4")
- Assistant stem: $\varnothing 6.7 \times 113 \text{mm}$ (0.26 x 4.4")
- Base: $55 \times 37 \times 52 \text{mm}$ (2.2 x 1.5 x 2")
- With steel plate to isolate magnet
- For dial indicators with lug back
- Packed in carton

Code	Magnetic force
6213-25	25kgf/55lbf



MINI MAGNETIC STAND

- For dial test indicators
- Overall stem length 170mm/6.7"
- Dovetail groove
- Clamp hole 3/8" DIA. with $\varnothing 8 \text{mm}$ sleeve
- With fine adjustment
- Base: $36 \times 30 \times 35 \text{mm}$ (1.4 x 1.2 x 1.4"), with on/off switch
- Packed in carton

Code	Magnetic force
6204-40	40kgf/88lbf



MINI MAGNETIC STAND

- For dial test indicators
- Overall stem length 180mm/7.1"
- Dovetail groove
- Clamp hole 3/8" DIA. with $\varnothing 8 \text{mm}$ sleeve
- With fine adjustment
- Base: $30 \times 30 \times 30 \text{mm}$ (1.2 x 1.2 x 1.2"), with on/off push button
- Packed in carton

Code	Magnetic force
6223-18	18kgf/40lbf



MEASURING TABLE

- Granite base flatness DIN876 grade 00
- Clamp hole 3/8" DIA. with Ø8mm sleeve
- Packed in aluminum box

Code	Base	Column
6850-150	150X100x40mm/5.9x3.9x1.6"	Ø18x150mm/0.7x5.9"
6850-200	200x150x50mm/7.8x5.9x2"	Ø25x270mm/1x10.6"
6850-300	300x200x50mm/11.8x7.8x2"	Ø35x300mm/1.4x11.8"
6850-400	400x250x70mm/15.7x9.8x2.8"	Ø35x300mm/1.4x11.8"



MEASURING TABLE

- Granite base flatness DIN876 grade 00
- Threaded column for fine adjustment
- Clamp hole 3/8" DIA. with Ø8mm sleeve
- Packed in aluminum box

Code	Base	Column
6855-150	150X100x40mm/5.9x3.9x1.6"	Ø18x100mm/0.7x3.9"
6855-200	200x150x50mm/7.8x5.9x2"	Ø35x250mm/1.4x9.8"
6855-300	300x200x50mm/11.8x7.8x2"	Ø35x300mm/1.4x11.8"
6855-400	400x250x70mm/15.7x9.8x2.8"	Ø35x300mm/1.4x11.8"



MEASURING TABLE

- Granite base flatness DIN876 grade 00
- With two stops on the side of base
- Dovetail groove for test indicator
- Clamp hole 3/8" DIA. with Ø8mm sleeve
- With fine adjustment
- Packed in aluminum box

Code	Base
6856-150	150X100x40mm/5.9x3.9x1.6"
6856-200	200x150x50mm/7.8x5.9x2"
6856-300	300x200x50mm/11.8x7.8x2"
6856-400	400x250x70mm/15.7x9.8x2.8"



MEASURING TABLE

- 160mm/6.3" maximum height capacity
- Granite base: 260x150x50mm (10.2x5.9x2"), flatness DIN876 grade 00
- Column: Ø35mm/1.4" with precision threaded spindle and graduation (graduation 0.01mm)
- Assistant stem Ø20x200mm (0.8x7.9")
- Clamp hole 3/8" DIA. with Ø8mm sleeve
- Packed in wooden box

Code

6857



MEASURING TABLE

- Round anvil diameter Ø50mm/2", flatness DIN876 grade 00
- Column: Ø22mm/0.9"
- Clamp hole 3/8" DIA. with Ø8mm sleeve
- Packed in carton

Code

6858



MEASURING TABLE

- Economic model
- Base: 161x102x46mm (6.3x4x1.8")
- Anvil: Ø60mm/2.4"
- With fine adjustment
- Clamp hole 3/8" DIA. with Ø8mm sleeve
- Packed in carton

Code	Column	Anvil
6854-2001	Ø25mmx200mm/1x7.9"	serrated
6854-2002	Ø25mmx200mm/1x7.9"	plain
6854-3901	Ø25mmx390mm/1x15.4"	serrated
6854-3902	Ø25mmx390mm/1x15.4"	plain



MEASURING TABLE

- Cast iron base: 127x102x48mm (5x4x1.9")
- Anvil: 60x68mm (2.4x2.8")
- Flatness DIN876 grade 00
- Column: $\varnothing 22 \times 155$ mm (0.9x6.1")
- Assistant stem: $\varnothing 18 \times 140$ mm (0.7x5.5")
- Clamp hole 3/8" DIA. with $\varnothing 8$ mm sleeve
- Packed in carton

Code

6859-127



MEASURING TABLE

- Cast iron base: 127x102x48mm (5x4x1.9")
- Anvil: 98x115mm (3.9x4.5")
- Flatness DIN876 grade 00
- Column: $\varnothing 28$ mm/1.1"
- Assistant stem: $\varnothing 18$ mm/0.7"
- Clamp hole 3/8" DIA. with $\varnothing 8$ mm sleeve
- Packed in carton

Code

6860-127



MEASURING TABLE

- Economic model
- Cast iron base: 149x104x40mm (5.9x4.1x1.6")
- Ground anvil: 85x82mm (3.3x3.2")
- Column: $\varnothing 25 \times 210$ mm (1x8.3")
- With fine adjustment
- Clamp hole 3/8" DIA. with $\varnothing 8$ mm sleeve
- Packed in carton

Code

6853-150



BENCH CENTER



Code

4185

- For horizontal and vertical use
- Overall length 530mm/20.9"
- Distance between two centers 200mm/7.9"
- Maximum swing 200mm/7.9"
- Packed in wooden case

BENCH CENTER



Code	Distance between two centers	Maximum swing	Overall length
4186-400	400mm/15.8"	300mm/11.8"	750mm/29.5"
4186-790	790mm/31.1"	480mm/18.9"	1200mm/47.2"

- Heavy duty
- Dial indicator holder is included
- Packed in wooden case

BORE GAGE
SNAP GAGE
MEASURING BENCH
INSIDE AND OUTSIDE DIAL CALIPER GAGE
THICKNESS GAGE
DIAL DEPTH GAGE
RADIUS GAGE



DIAL BORE GAGE



A



B



C



D



2322-160



2322-10

- Dial indicator graduation: metric 0.01mm
inch 0.0005"
- Ceramic moving tip and anvil except moving tip and anvil of 6-10mm/0.24-0.4", moving tip of 10-18mm/0.4-0.7", moving tip of 18-35mm/0.7-1.5"
- Packed in blow mould case or wooden box

Code	Range	Depth	Dial indicator bezel	Anvil type	Dial indicator range
2322-10	6-10mm	40mm	42mm	A	0-3mm
2322-18	10-18mm	100mm	42mm	B	0-3mm
2322-35	18-35mm	150mm	58mm	C	0-10mm
2322-50	35-50mm	150mm	58mm	D	0-10mm
2322-100	50-100mm	150mm	58mm	D	0-10mm
2322-160	50-160mm	150mm	58mm	D	0-10mm
2322-250	160-250mm	400mm	58mm	D	0-10mm
2322-450	250-450mm	400mm	58mm	D	0-10mm
Code	Range	Depth	Dial indicator bezel	Anvil type	Dial indicator range
2323-04	0.24-0.4"	1.57"	2.28"	A	0-0.25"
2323-07	0.4-0.7"	4"	2.28"	B	0-0.25"
2323-15	0.7-1.5"	6"	2.28"	C	0-0.25"
2323-24	1.4-2.4"	6"	2.28"	D	0-0.25"
2323-4	2-4"	6"	2.28"	D	0-0.25"
2323-6	2-6"	6"	2.28"	D	0-0.25"
2323-10	6-10"	16"	2.28"	D	0-0.25"
2323-16	10-16"	16"	2.28"	D	0-0.25"

DIAL BORE GAGE



- Dial indicator graduation: 0.01mm
- Dial indicator range: 0-10mm
- Ceramic moving tip and anvil
- Screw type anvil
- Packed in blow mould case or wooden box

Code	Range	Depth	Dial indicator bezel
2823-50	35-50mm	150mm	58mm
2823-100	50-100mm	150mm	58mm
2823-160	50-160mm	150mm	58mm
2823-250	100-250mm	200mm	58mm
2823-251	160-250mm	400mm	58mm
2823-450	250-450mm	400mm	58mm

PRECISION DIAL BORE GAGE



A



B



C



D



2825-160



2825-10

- Dial indicator graduation: metric 0.001mm
inch 0.0001"
- Dial indicator range: metric 0-1mm
inch 0-0.05"
- Shock-proof dial indicator
- Ceramic moving tip and anvil except moving tip and anvil of 6-10mm/0.24-0.4", moving tip of 10-18mm/0.4-0.7", moving tip of 18-35mm/0.7-1.5"
- Packed in blow mould case or wooden box

Code	Range	Depth	Dial indicator bezel	Anvil type
2825-10	6-10mm	40mm	58mm	A
2825-18	10-18mm	100mm	58mm	B
2825-35	18-35mm	150mm	58mm	C
2825-50	35-50mm	150mm	58mm	D
2825-100	50-100mm	150mm	58mm	D
2825-160	50-160mm	150mm	58mm	D
2825-250	160-250mm	400mm	58mm	D
2825-450	250-450mm	400mm	58mm	D
Code	Range	Depth	Dial indicator bezel	Anvil type
2826-04	0.24-0.4"	1.57"	2.28"	A
2826-07	0.4-0.7"	4"	2.28"	B
2826-15	0.7-1.5"	6"	2.28"	C
2826-24	1.4-2.4"	6"	2.28"	D
2826-4	2-4"	6"	2.28"	D
2826-6	2-6"	6"	2.28"	D
2826-10	6-10"	16"	2.28"	D
2826-16	10-16"	16"	2.28"	D

LONG DEPTH DIAL BORE GAGE



insert type anvil

- Optional depth: metric 0.5m, 1.5m, 2m
inch 19.7", 59.1", 78.7"
- Dial indicator graduation: metric 0.01mm
inch 0.0005"
- Dial indicator range: metric 0-10mm
inch 0-0.25"
- Ceramic moving tip and anvil
- Insert type anvil
- Packed in wooden box

Code	Range	Standard depth
2821-50	35-50mm	1m
2821-100	50-100mm	1m
2821-160	50-160mm	1m
2821-250	160-250mm	1m
2821-450	250-450mm	1m
Code	Range	Standard depth
2822-24	1.4-2.4"	39.4"
2822-4	2-4"	39.4"
2822-6	2-6"	39.4"
2822-10	6-10"	39.4"
2822-16	10-16"	39.4"



ELECTRONIC DIGITAL BORE GAGE



- Digital indicator: range 0-10mm/0-0.5"
resolution 0.002mm/0.0005"
rotary display in digit and analog
- Ceramic moving tip and anvil except moving tip and anvil of 6-10mm/0.24-0.4", moving tip of 10-18mm/0.4-0.7", moving tip of 18-35mm/0.7-1.5"
- With spare battery
- Packed in blow mould case or wooden box

Code	Range	Depth	Anvil type
2122-10	6-10mm	40mm	A
2122-18	10-18mm	100mm	B
2122-35	18-35mm	150mm	C
2122-50	35-50mm	150mm	D
2122-100	50-100mm	150mm	D
2122-160	50-160mm	150mm	D
2122-250	160-250mm	250mm	D
2122-450	250-450mm	250mm	D
Code	Range	Depth	Anvil type
2123-04	0.24-0.4"	1.57"	A
2123-07	0.4-0.7"	4"	B
2123-15	0.7-1.5"	6"	C
2123-24	1.4-2.4"	6"	D
2123-4	2-4"	6"	D
2123-6	2-6"	6"	D
2123-10	6-10"	16"	D
2123-16	10-16"	16"	D

ELECTRONIC DIGITAL BORE GAGE SET

- Digital indicator: range 0-10mm/0-0.5"
resolution 0.002mm/0.0005"
rotary display in digit and analog
- Ceramic moving tip and anvil except moving tip of 18-35mm/0.7-1.5"
- With spare battery CR2032
- Packed in aluminum box

Code	Range
2122-S3	18-160mm (3pcs)
2122-S2	35-160mm (2pcs)
2123-S3	0.7-6" (3pcs)
2123-S2	1.4-6" (2pcs)



DIAL BORE GAGE SET

- Dial indicator graduation: metric 0.01mm
inch 0.0005"
- Dial indicator range: metric 0-10mm
inch 0-0.25"
- Ceramic moving tip and anvil
except moving tip of 18-35mm/0.7-1.5"
- Packed in aluminum box

Code	Range
2322-S3	18-160mm (3pcs)
2322-S2	35-160mm (2pcs)
2323-S3	0.7-6" (3pcs)
2323-S2	1.4-6" (2pcs)



DIAL BORE GAGE



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

Code	Range	Depth
2820-4	3-4mm	20mm
2820-6	4-6mm	30mm
2820-10	6-10mm	40mm
2820-18	10-18mm	130mm

BORE GAGE ZERO SETTER



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

Code	Range
2395-400	18-400mm/0.7-16"



PISTOL GRIP THREE POINTS BORE GAGE



- Digital indicator: range 0-10mm/0-0.5"
resolution 0.001mm/0.00005"
rotary display in digit and analog
- With standard ring and extension rod
- Carbide tips
- Packed in aluminum box

Code	Range	Standard ring diameter	Depth(mm)	Extension rod
2124-8	6-8mm/0.275-0.35"	6mm	50mm/2"	100mm/4"
2124-10	8-10mm/0.35-0.425"	8mm	50mm/2"	100mm/4"
2124-12	10-12mm/0.425-0.5"	10mm	50mm/2"	100mm/4"
2124-16	12-16mm/0.5-0.65"	16mm	65mm/2.6"	150mm/6"
2124-20	16-20mm/0.65-0.8"	16mm	65mm/2.6"	150mm/6"
2124-25	20-25mm/0.8-1"	25mm	91mm/3.64"	150mm/6"
2124-30	25-30mm/1-1.2"	25mm	91mm/3.64"	150mm/6"
2124-40	30-40mm/1.2-1.6"	40mm	97mm/3.88"	150mm/6"
2124-50	40-50mm/1.6-2"	40mm	97mm/3.88"	150mm/6"
2124-63	50-63mm/2-2.5"	62mm	112mm/4.48"	150mm/6"
2124-75	62-75mm/2.5-3"	62mm	112mm/4.48"	150mm/6"
2124-88	75-88mm/3-3.5"	87mm	112mm/4.48"	150mm/6"
2124-100	87-100mm/3.5-4"	87mm	112mm/4.48"	150mm/6"
2124-125	100-125mm/4-5"	112.5mm (optional)	130mm/5.2"	150mm/6"
2124-150	125-150mm/5-6"	137.5mm (optional)	130mm/5.2"	150mm/6"
2124-175	150-175mm/6-7"	162.5mm (optional)	130mm/5.2"	150mm/6"
2124-200	175-200mm/7-8"	187.5mm (optional)	130mm/5.2"	150mm/6"
2124-225	200-225mm/8-9"	212.5mm (optional)	130mm/5.2"	150mm/6"
2124-250	225-250mm/9-10"	237.5mm (optional)	130mm/5.2"	150mm/6"
2124-275	250-275mm/10-11"	262.5mm (optional)	130mm/5.2"	150mm/6"
2124-300	275-300mm/11-12"	287.5mm (optional)	130mm/5.2"	150mm/6"

Code	Range	Individual range	Extension rod	Standard ring diameter
2124-S123	6-12mm/0.275-0.5"	6-8mm, 8-10mm, 10-12mm (0.275-0.35", 0.35-0.425", 0.425-0.5")	100mm/4"	6mm, 8mm, 10mm
2124-S202	12-20mm/0.5-0.8"	12-16mm, 16-20mm (0.5-0.65", 0.65-0.8")	150mm/6"	16mm
2124-S504	20-50mm/0.8-2"	20-25mm, 25-30mm, 30-40mm, 40-50mm (0.8-1", 1-1.2", 1.2-1.6", 1.6-2")	150mm/6"	25mm, 40mm
2124-S100	50-100mm/2-4"	50-63mm, 62-75mm, 75-88mm, 87-100mm (2-2.5", 2.5-3", 3-3.5", 3.5-4")	150mm/6"	62mm, 87mm

ELECTRONIC DIGITAL SNAP GAGE



Code	Range
2184-25	0-25mm/0-1"
2184-50	0-50mm/0-2"
2184-100	50-100mm/2-4"
2184-150	100-150mm/4-6"
2184-200	150-200mm/6-8"

- Digital indicator: range 0-10mm/0-0.5"
resolution 0.001 mm/0.00005"
rotary display in digit and analog,
tolerance measurement
- Anvil travel 3mm/0.118"
- Carbide flat tips Ø8mm/0.32"
- With spare battery
- Packed in aluminum box

ELECTRONIC DIGITAL SNAP GAGE



Code	Range
2185-25	0-25mm/0-1"
2185-50	25-50mm/1-2"
2185-75	50-75mm/2-3"
2185-100	75-100mm/3-4"
2185-125	100-125mm/4-5"
2185-150	125-150mm/5-6"
2185-175	150-175mm/6-7"
2185-200	175-200mm/7-8"
2185-225	200-225mm/8-9"
2185-250	225-250mm/9-10"
2185-275	250-275mm/10-11"
2185-300	275-300mm/11-12"

- Digital indicator: range 0-10mm/0-0.5"
resolution 0.001 mm/0.00005"
rotary display in digit and analog,
tolerance measurement
- Workpiece support platform Ø15mm/0.6"
- Moving anvil travel 3mm/0.12"
- Measuring anvil: 14x11mm/0.6x0.4"
- With spare battery
- Packed in aluminum box

ELECTRONIC DIGITAL SNAP GAGE



Code	Range
2336-25	0-25mm/0-1"
2336-50	25-50mm/1-2"
2336-75	50-75mm/2-3"
2336-100	75-100mm/3-4"
2336-125	100-125mm/4-5"
2336-150	125-150mm/5-6"

- Electronic digital indicator range 0-10mm/0.5", resolution 0.001mm/0.00005"
- Carbide measuring anvil
- Lifting lever mounted on either right or left side
- Adjustable workpiece support
- Packed in wooden box

MEASURING BENCH



- Digital indicator range 0-10mm/0-0.5"
- Resolution: 0.001mm/0.00005"
- Used horizontally or vertically
- Measuring tips: cylinder tips $\varnothing 1.2\text{mm}/0.05\text{"}$
cylinder tips $\varnothing 2\text{mm}/0.08\text{"}$
blade tips width 6mm/0.24" thickness 0.5mm/0.02"
- Packed in wooden box

Code	Range
2393-30	0-30mm/0-1.18"

INSIDE DIAL CALIPER GAGE



- Graduation: metric 0.01mm
inch 0.0005"
- Option: sphere tip \varnothing 1.5mm/0.060"
- Packed in aluminum box or plastic box

Code	Range	Arm length	Tip height	Tip radius
2222-15	5-15mm	20mm	1.5mm	0.3mm
2222-20	10-20mm	25mm	3.0mm	0.3mm
2222-30	20-30mm	30mm	6.5mm	0.5mm
2222-40	30-40mm	30mm	9.0mm	0.5mm
2222-50	40-50mm	30mm	9.0mm	0.5mm
Code	Range	Arm length	Tip height	Tip radius
2222-25	5-25mm	35mm	1.5mm	0.3mm
2222-301	10-30mm	55mm	3.5mm	0.5mm
2222-401	20-40mm	80mm	6.5mm	0.5mm
2222-501	30-50mm	80mm	8.5mm	0.5mm
2222-60	40-60mm	80mm	8.5mm	0.5mm
Code	Range	Arm length	Tip height	Tip radius
2222-E06	0.2-0.6"	0.787"	0.059"	0.012"
2222-E08	0.4-0.8"	0.984"	0.118"	0.012"
2222-E12	0.8-1.2"	1.181"	0.256"	0.02"
2222-E16	1.2-1.6"	1.181"	0.354"	0.02"
2222-E20	1.6-2.0"	1.181"	0.354"	0.02"
Code	Range	Arm length	Tip height	Tip radius
2222-E10	0.2-1.0"	1.378"	0.059"	0.012"
2222-E121	0.4-1.2"	2.165"	0.138"	0.02"
2222-E161	0.8-1.6"	3.150"	0.256"	0.02"
2222-E201	1.2-2.0"	3.150"	0.335"	0.02"
2222-E24	1.6-2.4"	3.150"	0.335"	0.02"

OUTSIDE DIAL CALIPER GAGE



- Graduation: metric 0.01mm
inch 0.0005"
- Option: sphere tip $\varnothing 1.5\text{mm}/0.060\text{"}$
- Packed in aluminum box or plastic box

Code	Range	Arm length	Tip height	Tip radius
2333-10	0-10mm	40mm	8mm	0.5mm
2333-20	10-20mm	40mm	8mm	0.5mm
2333-30	20-30mm	40mm	8mm	0.5mm
2333-40	30-40mm	40mm	8mm	0.5mm
2333-50	40-50mm	40mm	8mm	0.5mm
Code	Range	Arm length	Tip height	Tip radius
2333-201	0-20mm	80mm	25mm	0.75mm
2333-301	10-30mm	80mm	25mm	0.75mm
2333-401	20-40mm	80mm	25mm	0.75mm
2333-501	30-50mm	80mm	25mm	0.75mm
2333-601	40-60mm	80mm	25mm	0.75mm
Code	Range	Arm length	Tip height	Tip radius
2333-E04	0-0.4"	1.575"	0.315"	0.02"
2333-E08	0.4-0.8"	1.575"	0.315"	0.02"
2333-E12	0.8-1.2"	1.575"	0.315"	0.02"
2333-E16	1.2-1.6"	1.575"	0.315"	0.02"
2333-E20	1.6-2.0"	1.575"	0.315"	0.02"
Code	Range	Arm length	Tip height	Tip radius
2333-E081	0-0.8"	3.150"	0.984"	0.03"
2333-E121	0.4-1.2"	3.150"	0.984"	0.03"
2333-E161	0.8-1.6"	3.150"	0.984"	0.03"
2333-E201	1.2-2.0"	3.150"	0.984"	0.03"
2333-E24	1.6-2.4"	3.150"	0.984"	0.03"

INSIDE DIAL CALIPER GAGE



Code	Range	Arm length	Tip length x diameter
2321-35	15-35mm	50mm	3x3mm
2321-55	35-55mm	80mm	6x3mm
2321-75	55-75mm	90mm	8x3mm
2321-95	75-95mm	100mm	8x3.2mm
2321-115	95-115mm	150mm	10x3.2mm
2321-135	115-135mm	150mm	10x3.2mm
Code	Range	Arm length	Tip length x diameter
2321-14	0.6-1.4"	1.9"	0.118x0.118"
2321-22	1.4-2.2"	3.1"	0.236x0.118"
2321-30	2.2-3.0"	3.1"	0.315x0.118"
2321-38	3.0-3.8"	3.9"	0.315x0.118"

- Graduation:
 - metric 0.01mm
 - inch 0.0005"
- Pin tips
- Packed in wooden box or plastic box

OUTSIDE DIAL CALIPER GAGE



Code	Range	Arm length	Tip length x diameter
2332-20	0-20mm	60mm	6x3mm
2332-40	20-40mm	60mm	6x3mm
2332-60	40-60mm	55mm	6x3mm
2332-80	60-80mm	55mm	6x3mm
2332-100	80-100mm	55mm	6x3mm
Code	Range	Arm length	Tip length x diameter
2332-08	0-0.8"	2.3"	0.236x0.118"
2332-16	0.8-1.6"	2.3"	0.236x0.118"
2332-24	1.6-2.4"	2.1"	0.236x0.118"
2332-32	2.4-3.2"	2.1"	0.236x0.118"
2332-41	3.2-4.0"	2.1"	0.236x0.118"

- Graduation:
 - metric 0.01mm
 - inch 0.0005"
- Pin tips
- Packed in wooden box or plastic box

ELECTRONIC DIGITAL INSIDE CALIPER GAGE

- Resolution: 0.01 mm/0.0005"
- Option: sphere tip $\varnothing 1.5\text{mm}/0.060\text{"}$
- Rotary display in digit and analog
- RS232 output port, automatic power off
- Functions: data set, ABS/INC, mm/inch, max/min, data holding, tolerance measurement
- With spare battery
- Packed in aluminum box or plastic box



Code	Range	Arm length	Tip height	Tip radius
2121-15	5-15mm/0.2-0.6"	20mm/0.79"	1.5mm/0.06"	0.3mm/0.01"
2121-20	10-20mm/0.4-0.8"	25mm/0.98"	3.0mm/0.12"	0.3mm/0.01"
2121-30	20-30mm/0.8-1.2"	30mm/1.18"	6.5mm/0.26"	0.5mm/0.02"
2121-40	30-40mm/1.2-1.6"	30mm/1.18"	9.0mm/0.35"	0.5mm/0.02"
2121-50	40-50mm/1.6-2.0"	30mm/1.18"	9.0mm/0.35"	0.5mm/0.02"
Code	Range	Arm length	Tip height	Tip radius
2121-25	5-25mm/0.2-1.0"	35mm/1.38"	2.0mm/0.08"	0.3mm/0.01"
2121-31	10-30mm/0.4-1.2"	55mm/2.17"	5.5mm/0.22"	0.5mm/0.02"
2121-41	20-40mm/0.8-1.6"	80mm/3.15"	6.5mm/0.26"	0.5mm/0.02"
2121-51	30-50mm/1.2-2.0"	80mm/3.15"	8.5mm/0.33"	0.5mm/0.02"
2121-61	40-60mm/1.6-2.4"	80mm/3.15"	8.5mm/0.33"	0.5mm/0.02"

ELECTRONIC DIGITAL OUTSIDE CALIPER GAGE

- Resolution: 0.01 mm/0.0005"
- Option: sphere tip $\varnothing 1.5\text{mm}/0.060\text{"}$
- Rotary display in digit and analog
- RS232 output port, automatic power off
- Functions: data set, ABS/INC, mm/inch, max/min, data holding, tolerance measurement
- With spare battery
- Packed in aluminum box or plastic box



Code	Range	Arm length	Tip height	Tip radius
2131-10	0-10mm/0-0.4"	40mm/1.57"	8mm/0.31"	0.5mm/0.02"
2131-20	10-20mm/0.4-0.8"	40mm/1.57"	8mm/0.31"	0.5mm/0.02"
2131-30	20-30mm/0.8-1.2"	40mm/1.57"	8mm/0.31"	0.5mm/0.02"
2131-40	30-40mm/1.2-1.6"	40mm/1.57"	8mm/0.31"	0.5mm/0.02"
2131-50	40-50mm/1.6-2.0"	40mm/1.57"	8mm/0.31"	0.5mm/0.02"
Code	Range	Arm length	Tip height	Tip radius
2131-21	0-20mm/0-0.8"	80mm/3.15"	25mm/0.98"	0.75mm/0.03"
2131-31	10-30mm/0.4-1.2"	80mm/3.15"	25mm/0.98"	0.75mm/0.03"
2131-41	20-40mm/0.8-1.6"	80mm/3.15"	25mm/0.98"	0.75mm/0.03"
2131-51	30-50mm/1.2-2.0"	80mm/3.15"	25mm/0.98"	0.75mm/0.03"
2131-61	40-60mm/1.6-2.4"	80mm/3.15"	25mm/0.98"	0.75mm/0.03"

THICKNESS GAGE



Code	Range	Graduation
2361-10	0-10mm	0.1mm
2361-E05	0-0.5"	0.005"

- Lie-down use is possible for small article on the table
- Aluminum body
- Bezel diameter 40mm/1.57"
- Measuring depth 14mm/0.55"
- Packed in plastic box

THICKNESS GAGE



Code	Range	Graduation
2363-10	0-10mm	0.01mm
Code	Range	Graduation
2363-051	0-0.5"	0.001"
2363-055	0-0.5"	0.0005"

- Stainless steel measuring tips $\varnothing 6\text{mm}/0.24\text{"}$
- Aluminum body
- Bezel diameter 49mm/1.93"
- Measuring depth 10mm/0.39"
- Packed in plastic box

THICKNESS GAGE



Code	Range	Graduation
2861-10	0-10mm	0.01mm
2861-E05	0-0.5"	0.001"

- Ceramic measuring tips \varnothing 10mm/0.40"
- Aluminum body
- Bezel diameter 55mm/2.17"
- Measuring depth 25mm/1"
- Packed in plastic box

ELECTRONIC DIGITAL THICKNESS GAGE

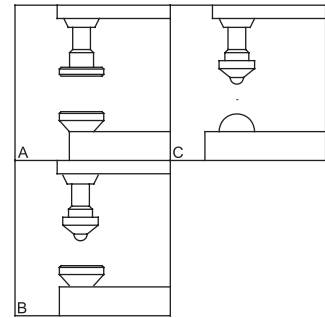


Code	Range
2867-10	0-10mm/0.5"

- Resolution: 0.01mm/0.0005"
- Ceramic measuring tips, diameter 10mm/0.40"
- Measuring depth 25mm/1"
- Aluminum body
- CR2032 battery, with spare battery
- USB data output
- Packed in plastic box

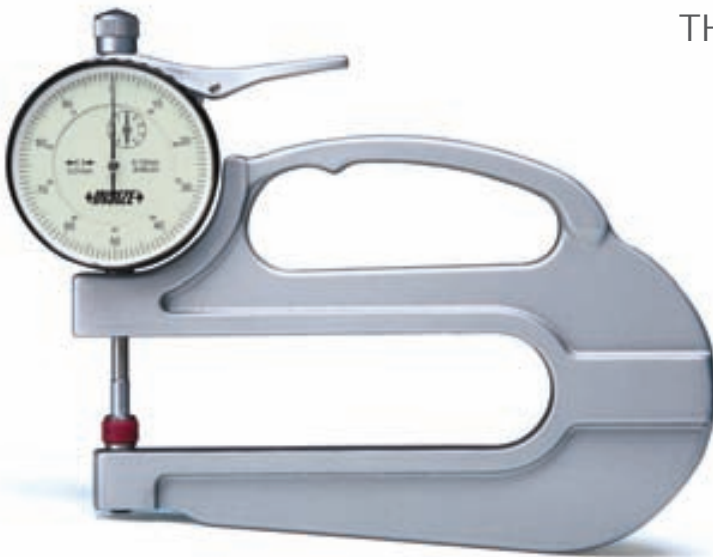


THICKNESS GAGE

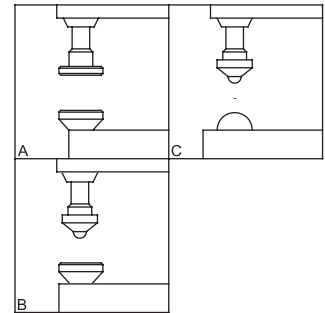


Code	Range	Graduation
2366-30	0-30mm	0.01mm
Code	Range	Graduation
2366-1	0-1"	0.001"
2366-2	0-1"	0.0005"

- Flat ceramic measuring tips $\varnothing 10\text{mm}/0.40''$
- Option: A-flat stainless steel tips $\varnothing 10\text{mm}/0.40''$
 B-upper tip sphere $\varnothing 3\text{mm}/0.12''$,
 lower tip flat $\varnothing 10\text{mm}/0.40''$
 C-upper tip sphere $\varnothing 3\text{mm}/0.12''$,
 lower tip sphere $\varnothing 8\text{mm}/0.31''$
- Bezel diameter $58\text{mm}/2.28''$
- Aluminum body
- Measuring depth $30\text{mm}/1.18''$
- Packed in plastic box



THICKNESS GAGE



Code	Range	Graduation
2365-10	0-10mm	0.01mm
2365-20	0-20mm	0.01mm
Code	Range	Graduation
2365-051	0-0.5"	0.001"
2365-055	0-0.5"	0.0005"

- Flat ceramic measuring tips $\varnothing 10\text{mm}/0.40''$
- Option: A-flat stainless steel tips $\varnothing 10\text{mm}/0.40''$,
 B-upper tip sphere $\varnothing 3\text{mm}/0.12''$,
 lower tip flat $\varnothing 10\text{mm}/0.40''$
 C-upper tip sphere $\varnothing 3\text{mm}/0.12''$,
 lower tip sphere $\varnothing 8\text{mm}/0.31''$
- Bezel diameter $58\text{mm}/2.28''$
- Aluminum body
- Measuring depth $120\text{mm}/4.72''$
- Packed in plastic box

PRECISION THICKNESS GAGE



Code	Range	Graduation
2360-1	0-1mm	0.001mm

- Stainless steel tips Ø6mm
- Bezel diameter 58mm
- Aluminum body
- Measuring throat depth 28mm
- Packed in plastic box

THICKNESS GAGE



Code	Range	Graduation
2369-30	0-30mm	0.1mm
2369-E1	0-1"	0.005"

- Stainless steel tips Ø10mm/0.40"
- Bezel diameter 60mm/2.375"
- Aluminum body
- Measuring depth 430mm/16.93"
- With support
- Packed in wooden box

THICKNESS GAGE



Code	Range	Arm length
2862-101	0-10mm	35mm
2862-102	0-10mm	63mm

- Graduation: 0.05mm
- Bezel diameter 50mm
- Packed in plastic box

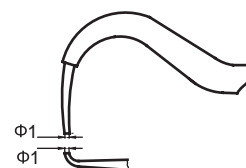
THICKNESS GAGE



Code	Range	Arm length
2863-10	0-10mm	35mm

- Graduation: 0.05mm
- Bezel diameter 50mm
- Packed in plastic box

THICKNESS GAGE WITH POINTED TIPS



Code	Range	Arm length
2866-10	0-10mm	35mm

- Small tips fit into small grooves and recesses
- Graduation 0.05mm
- Bezel diameter 50mm
- Packed in plastic box

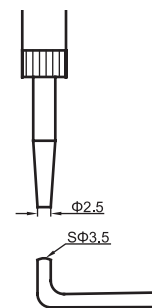
THICKNESS GAGE



Code	Range	Graduation
2367-10	0-10mm	0.01mm
Code	Range	Graduation
2367-051	0-0.5"	0.001"
2367-055	0-0.5"	0.0005"

- For pipe wall thickness
- Bezel diameter 58mm/2.28"
- Aluminum body
- Measuring depth 22mm/0.87"
- Packed in plastic box

THICKNESS GAGE WITH POINTED TIPS



Code	Range	Graduation
2865-10	0-10mm	0.01mm
2865-051	0-0.5"	0.001"

- Small tips fit into small grooves and recesses
- Arm length 35mm/1.38"
- Bezel diameter 50mm/2.28"
- Packed in plastic box

THICKNESS GAGE WITH ROLLING WHEEL



- For continuous measurement
- Wheel width 7mm
- Bezel diameter 58mm
- Aluminum body
- Measuring depth 100mm
- Packed in wooden box

Code	Range	Graduation
2368-10	0-10mm	0.01mm

THICKNESS GAGE WITH CONSTANT PRESSURE



- Constant pressure 0.1Mpa
- For measurement of plastic film, paper and metal sheet
- Measuring tip \varnothing 6mm
- Bezel diameter 58mm
- Packed in wooden box

Code	Range	Graduation
2362-5	0-5mm	0.01mm
2362-1	0-1mm	0.001mm

ELECTRONIC DIGITAL THICKNESS GAGE



2166-25

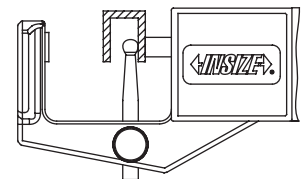
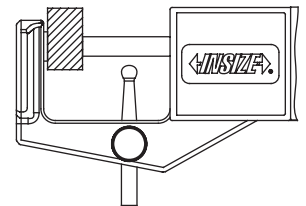


2166-12

Code	Range
2166-12	0-12mm/0-0.5"
2166-25	0-25mm/0-1"

- Resolution: 0.01mm/0.0005"
- Stainless steel measuring tips
- Aluminum body, with spare battery
- Packed in plastic box

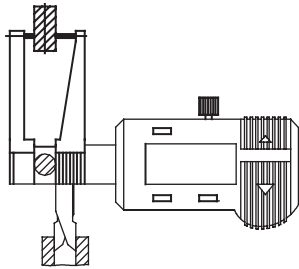
ELECTRONIC DIGITAL THICKNESS GAGE



Code	Thickness range	Tube wall thickness range
2163-25	0-25mm/0-1"	0-2mm/0.08"

- Patented
- For thickness and tube wall thickness measurement
- Resolution: 0.01mm/0.0005"
- Measuring tips $\varnothing 5\text{mm}/0.19"$
- With spare battery
- Aluminum body
- Packed in plastic box

ELECTRONIC DIGITAL 3-PURPOSE GAGE



Code	Range
2164-15	0-15mm/0-0.6"
2164-25	0-25mm/0-1"

- Resolution: 0.01mm/0.0005"
- SR44 battery, with spare battery
- Data output
- Made of hardened stainless steel
- Packed in plastic box

ELECTRONIC THICKNESS CALIPER



Code	Range
1163-50	0-50mm/0-2"
1163-80	0-80mm/0-3"

- Resolution: 0.01mm/0.0005"
- With round flat tips
- Standard measuring depth: 50mm/2"
- Buttons: zero, power on/off, inch/mm conversion
- Battery SR44, with one spare battery
- Hardened stainless steel construction
- Data output
- Packed in plastic box

DIAL DEPTH GAUGE



2341-102



2341-103

- Hardened stainless steel base
- Three rods with spherical end: metric 0-10mm, 10-20mm, 20-30mm
inch 0-0.4", 0.4-0.8", 0.8-1.2"
- Include one needle point
- Packed in plastic box

Code	Range	Dial indicator range	Dial indicator graduation	Base
2341-101	0-30mm	0-10mm	0.01mm	63x17mm
2341-102	0-30mm	0-10mm	0.01mm	101.5x17mm
2341-103	0-30mm	0-10mm	0.01mm	101.5xR10.9mm
2341-E1	0-1.2"	0-0.5"	0.001"	2.48x0.67"
2341-E2	0-1.2"	0-0.5"	0.001"	4.00x0.67"
2341-E3	0-1.2"	0-0.5"	0.001"	4.00xR0.43"

ELECTRONIC INDICATOR DEPTH GAUGE



2141-101

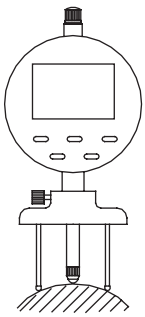


2141-103

- Hardened stainless steel base
- Three rods with spherical end: 0-10mm/0-0.4", 10-20mm/0.4-0.8", 20-30mm/0.8-1.2"
- Include one needle point
- Packed in plastic box

Code	Range	Dial indicator range	Dial indicator graduation	Base
2141-101	0-30mm/0-1.2"	0-12.7mm/0-0.5"	0.005mm/0.0005"	63x17mm/2.48x0.67"
2141-102	0-30mm/0-1.2"	0-12.7mm/0-0.5"	0.005mm/0.0005"	101.5x17mm/4.00x0.67"
2141-103	0-30mm/0-1.2"	0-12.7mm/0-0.5"	0.005mm/0.0005"	101.5xR10.9mm/4.00xR0.43"

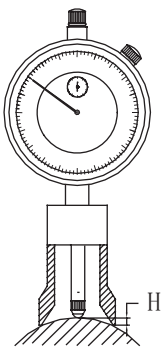
ELECTRONIC DIGITAL RADIUS GAGE



- Measure radius of internal and external arcs
- Resolution 0.01mm/0.001"
- With 5 different probes suitable for different sizes of arc: 10mm/0.4", 20mm/0.8", 30mm/1.2", 60mm/2.4", 100mm/3.9"
- CR2032 battery, with spare battery
- Packed in plastic box

Code	Range
2183	R5-999.99mm/0.20-39.37"

SPHERE RADIUS GAGE



2392

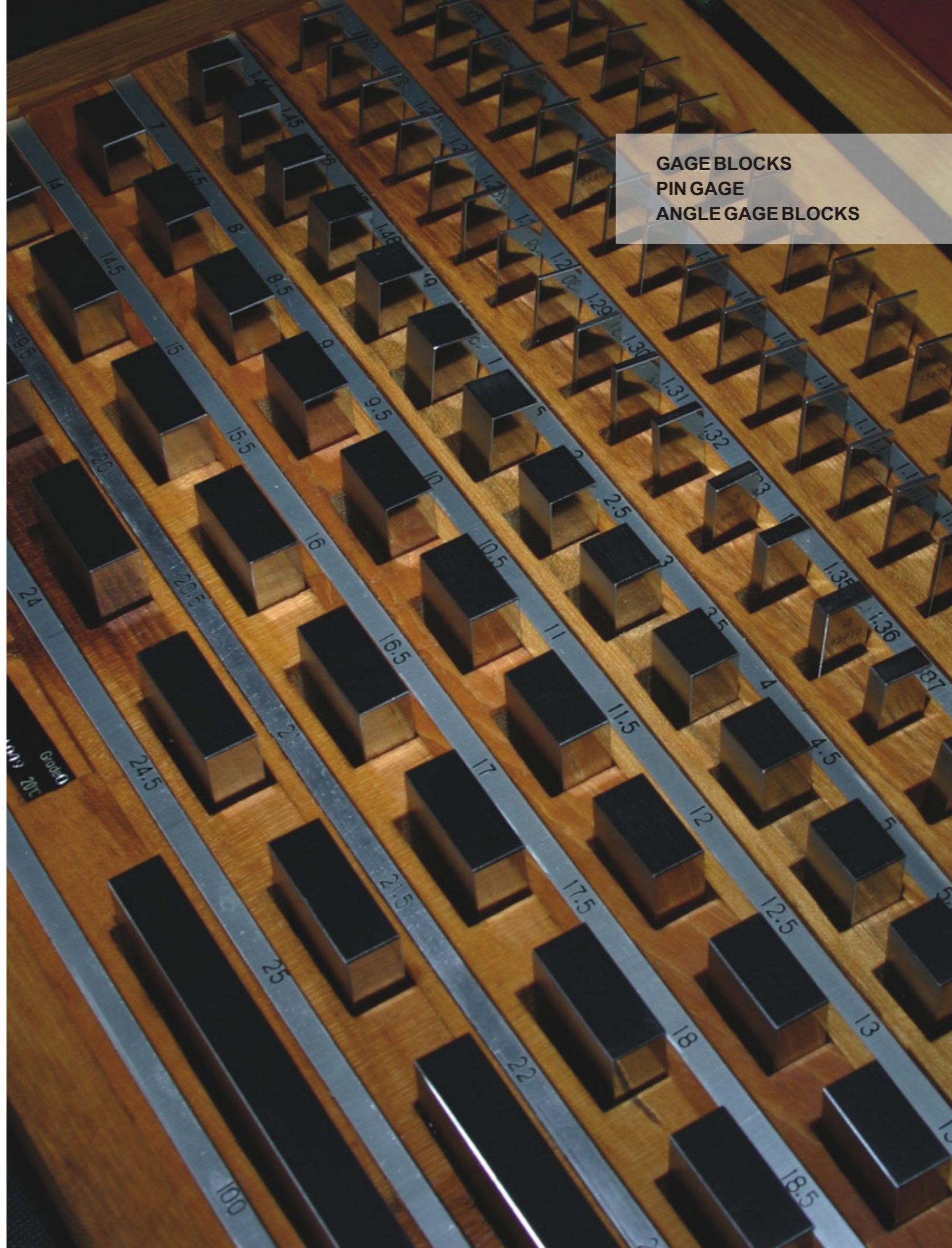


2192

Code	Range	Resolution
2392-100	SR15-100mm	0.01mm
2392-1250	SR325-1250mm	0.01mm
2192-100	SR15-100mm/0.6-4"	0.005mm/0.0005"
2192-1250	SR325-1250mm/12.8-49"	0.005mm/0.0005"

- Measure radius of sphere
- Packed in plastic box

GAGE BLOCKS
PIN GAGE
ANGLE GAGE BLOCKS



CERAMIC GAGE BLOCKS



- Made of ceramic, extremely wear-resistant, corrosion resistance, excellent dimension stability
- With individual certificate
- Accuracy: metric ISO 3650 grade 0 (grade 1 and 2 are optional)
inch ASME B89.1.9-2002 grade 0 (grade AS-1 and AS-2 are optional)
- Packed in wooden box

Code	Total quantity	Size (mm)	Step (mm)
4105-32	32pcs	1.005	
		1.01 - 1.09	0.01
		1.1 - 1.9	0.1
		1 - 9	1
		10 - 30	10
		50	
4105-47	47pcs	1.005	
		1.01 - 1.19	0.01
		1.2 - 1.9	0.1
		1 - 9	1
		10 - 100	10
4105-87	87pcs	1.001 - 1.009	0.001
		1.01 - 1.49	0.01
		0.5 - 9.5	0.5
		10 - 100	10
4105-103	103pcs	1.005	
		1.01 - 1.49	0.01
		0.5 - 24.5	0.5
		25 - 100	25
Code	Total quantity	Size (inch)	Step (inch)
4105-E6	36pcs	0.05	
		0.1001 - 0.1009	0.0001
		0.101 - 0.109	0.001
		0.11 - 0.19	0.01
		0.1 - 0.5	0.1
		1	
		2	
		4	
4105-E81	81pcs	0.1001 - 0.1009	0.0001
		0.101 - 0.149	0.001
		0.05 - 0.95	0.05
		1 - 4	1

METRIC GAGE BLOCKS



- Made of alloy steel
- With individual certificate
- Meet ISO3650 grade 0 (grade 1 and 2 are optional)
- Packed in wooden box

Code	Quantity	Size (mm)	Step (mm)
4100-8	8pcs	125 - 175	25
		200 - 250	50
		300 - 500	100
4100-10A	10pcs	0.991 - 1.000	0.001
4100-10	10pcs	1.000 - 1.009	0.001
4100-10B	10pcs	1.991 - 2.000	0.001
4100-10C	10pcs	2.000 - 2.009	0.001
4100-32	32pcs	1.005	
		1.01 - 1.09	0.01
		1.1 - 1.9	0.1
		1 - 9	1
		10 - 30	10
		50	
4100-46	46pcs	1	
		1.001 - 1.009	0.001
		1.01 - 1.09	0.01
		1.1 - 1.9	0.1
		2 - 9	1
4100-47	47pcs	10 - 100	10
		1.005	
		1.01 - 1.19	0.01
		1.2 - 1.9	0.1
		1 - 9	1
4100-76	76pcs	10 - 100	10
		1.005	0.01
		1.01 - 1.49	0.5
		0.5 - 9.5	10
		10 - 50	25
		75 - 100	

Code	Quantity	Size (mm)	Step (mm)
4100-83	83pcs	0.5	
		1	
		1.005	
		1.01 - 1.49	0.01
		1.5 - 1.9	0.1
		2 - 9.5	0.5
		10 - 100	10
4100-87	87pcs	1.001 - 1.009	0.001
		1.01 - 1.49	0.01
		0.5 - 9.5	0.5
		10 - 100	10
4100-88	88pcs	1.0005	
		1.001 - 1.009	0.001
		1.01 - 1.49	0.01
		0.5 - 9.5	0.5
		10 - 100	10
4100-103	103pcs	1.005	
		1.01 - 1.49	0.01
		0.5 - 24.5	0.5
		25 - 100	25
4100-112	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
4100-122	122pcs	1.0005	
		1.001 - 1.009	0.001
		1.01 - 1.49	0.01
		1.6 - 1.9	0.1
		0.5 - 25	0.5
		30 - 100	10
		75	

INCH RECTANGULAR GAGE BLOCKS



Code	Quantity	Size (inch)	Step (inch)
4102-36	36pcs	0.05	
		0.1001 - 0.1009	0.0001
		0.101 - 0.109	0.001
		0.11 - 0.19	0.01
		0.1 - 0.5	0.1
		1	
		2	
4102-81	81pcs	0.1001 - 0.1009	0.0001
		0.101 - 0.149	0.001
		0.05 - 0.95	0.05
		1 - 4	1

- Made of alloy steel
- With individual certificate
- Meet ASME B89.1.9-2002 grade 0 (grade AS-1 and AS-2 are optional)
- Packed in wooden box

GAGE BLOCK ACCESSORY

Code	Quantity
6881-1	16pcs
6881-2	15pcs
6881-3	10pcs

	6881-1	6881-2	6881-3
Including:			
Holder 50mm/2"	1pc	1pc	1pc
holder 100mm/4"	1pc	1pc	1pc
holder 200mm/8"	1pc	1pc	1pc
holder base 25mm/0.984"	1pc		1pc
half round jaw 2mm/0.079"	2pcs	2pcs	2pcs
half round jaw 5mm/0.197"	2pcs	2pcs	2pcs
half round jaw 10mm/0.394"	2pcs	2pcs	
plain jaw 100mm/4"	2pcs	2pcs	
scriber point	1pc	1pc	1pc
center point	1pc	1pc	1pc
triangular straight edge jaw 60mm/2.4"	2pcs	2pcs	



- To expand rectangular gage block applications
- Packed in wooden box

INCH ROUND GAGE BLOCKS



Code	Quantity	Size (inch)	Step (inch)
4103-36	36pcs	0.050 - 0.190	0.01
		0.101 - 0.109	0.001
		0.200 - 1	0.1
		0.625	
		0.125	
		1	

- Accuracy $\pm 0.00005''$
- With threaded hole in each block
- 4 connecting screws and 1 wrench are included
- Made of alloy steel
- Packed in wooden box

CERAMIC PIN GAGE



Code	Quantity	Size (mm)	Step (mm)
4163-5	41pcs	1.0 - 5.0	0.1
4163-10	91pcs	1.0 - 10.0	0.1

- Accuracy $\pm 1\mu\text{m}$, roundness $0.5\mu\text{m}$
- Made of ceramic, extremely wear-resistant, corrosion resistance, excellent dimension stability
- Packed in wooden box

METRIC PIN GAGE



- Measure hole size, calculate distance between holes
- Used as GO/NO GO gage
- Optional accuracy: $\pm 0.001\text{mm}$, $\pm 0.0005\text{mm}$
- Made of steel
- Packed in wooden box

Code	Quantity (pcs)	Size (mm)	Step	Accuracy
4161-1	71	0.30 - 1.00	0.01mm	$\pm 0.002\text{mm}$
4161-2	100	1.01 - 2.00	0.01mm	$\pm 0.002\text{mm}$
4161-3	100	2.01 - 3.00	0.01mm	$\pm 0.002\text{mm}$
4161-4	100	3.01 - 4.00	0.01mm	$\pm 0.002\text{mm}$
4161-5	100	4.01 - 5.00	0.01mm	$\pm 0.002\text{mm}$
4161-6	100	5.01 - 6.00	0.01mm	$\pm 0.002\text{mm}$
4161-7	100	6.01 - 7.00	0.01mm	$\pm 0.002\text{mm}$
4161-8	100	7.01 - 8.00	0.01mm	$\pm 0.002\text{mm}$
4161-9	100	8.01 - 9.00	0.01mm	$\pm 0.002\text{mm}$
4161-10	100	9.01 - 10.00	0.01mm	$\pm 0.002\text{mm}$
4161-11	100	10.01 - 11.00	0.01mm	$\pm 0.002\text{mm}$
4161-12	100	11.01 - 12.00	0.01mm	$\pm 0.002\text{mm}$
4161-13	100	12.01 - 13.00	0.01mm	$\pm 0.002\text{mm}$
4161-14	100	13.01 - 14.00	0.01mm	$\pm 0.002\text{mm}$
4161-15	100	14.01 - 15.00	0.01mm	$\pm 0.002\text{mm}$
4161-16	100	15.01 - 16.00	0.01mm	$\pm 0.002\text{mm}$
4161-17	100	16.01 - 17.00	0.01mm	$\pm 0.002\text{mm}$
4161-18	100	17.01 - 18.00	0.01mm	$\pm 0.002\text{mm}$
4161-19	100	18.01 - 19.00	0.01mm	$\pm 0.002\text{mm}$
4161-20	100	19.01 - 20.00	0.01mm	$\pm 0.002\text{mm}$

INCH PIN GAGE



- Measure hole size, calculate distance between holes
- Used as GO/NO GO gage
- Accuracy +0.0001" and -0.0001" are optional
- Made of steel
- Packed in wooden box

Code	Quantity (pcs)	Size (inch)	Step	Accuracy
4162-151	50	.011 - .060	0.001"	+0.0002"
4162-152	50	.0115 - .0605	0.001"	+0.0002"
4162-1191	190	.061 - .250	0.001"	+0.0002"
4162-1192	190	.0615 - .2505	0.001"	+0.0002"
4162-1241	240	.011 - .250	0.001"	+0.0002"
4162-1242	240	.0115 - .2505	0.001"	+0.0002"
4162-1251	250	.251 - .500	0.001"	+0.0002"
4162-1252	250	.2515 - .5005	0.001"	+0.0002"
4162-1121	125	.501 - .625	0.001"	+0.0002"
4162-1122	125	.5015 - .6255	0.001"	+0.0002"
4162-1123	125	.626 - .750	0.001"	+0.0002"
4162-1124	125	.6265 - .7505	0.001"	+0.0002"
4162-1821	82	.751 - .832	0.001"	+0.0002"
4162-1822	82	.7515 - .8325	0.001"	+0.0002"
4162-1841	84	.833 - .916	0.001"	+0.0002"
4162-1842	84	.8335 - .9165	0.001"	+0.0002"
4162-1843	84	.917 - 1.000	0.001"	+0.0002"
4162-1844	84	.9175 - 1.0005	0.001"	+0.0002"
Code	Quantity (pcs)	Size (inch)	Step	Accuracy
4162-251	50	.011 - .060	0.001"	-0.0002"
4162-252	50	.0115 - .0605	0.001"	-0.0002"
4162-2191	190	.061 - .250	0.001"	-0.0002"
4162-2192	190	.0615 - .2505	0.001"	-0.0002"
4162-2241	240	.011 - .250	0.001"	-0.0002"
4162-2242	240	.0115 - .2505	0.001"	-0.0002"
4162-2251	250	.251 - .500	0.001"	-0.0002"
4162-2252	250	.2515 - .5005	0.001"	-0.0002"
4162-2121	125	.501 - .625	0.001"	-0.0002"
4162-2122	125	.5015 - .6255	0.001"	-0.0002"
4162-2123	125	.626 - .750	0.001"	-0.0002"
4162-2124	125	.6265 - .7505	0.001"	-0.0002"
4162-2821	82	.751 - .832	0.001"	-0.0002"
4162-2822	82	.7515 - .8325	0.001"	-0.0002"
4162-2841	84	.833 - .916	0.001"	-0.0002"
4162-2842	84	.8335 - .9165	0.001"	-0.0002"
4162-2843	84	.917 - 1.000	0.001"	-0.0002"
4162-2844	84	.9175 - 1.0005	0.001"	-0.0002"

ANGLE GAGE BLOCKS



- Standard for angle measurement
- Packed in wooden box

Code	Total quantity	Angle	Step	Quantity
4109-94	94pcs	10° - 79°	1°	70pcs
		15°10' - 15°50'	10'	5pcs
		15°1' - 15°9'	1'	9pcs
		10°0'30"		1pc
		80°, 81°, 100°, 99°		1pc
		82°, 83°, 98°, 97°		1pc
		84°, 85°, 96°, 95°		1pc
		86°, 87°, 94°, 93°		1pc
		88°, 89°, 92°, 91°		1pc
		90°, 90°, 90°, 90°		1pc
		89°10', 89°20', 90°50', 90°40'		1pc
		89°30', 89°40', 90°30', 90°20'		1pc
		89°50', 89°59'30", 90°10', 90°0'30"		1pc
		4109-36	36pcs	30° - 70°
10° - 20°	1°			11pcs
15°10' - 15°50'	10'			5pcs
15°1' - 15°9'	1'			9pcs
45°				1pc
10°0'30"				1pc
80°, 81°, 100°, 99°				1pc
89°10', 89°20', 90°50', 90°40'				1pc
89°30', 89°40', 90°30', 90°20'				1pc
90°, 90°, 90°, 90°				1pc
4109-71	7pcs	15°10' - 75°50'	15°10'	5pcs
		50°		1pc
		90°, 90°, 90°, 90°		1pc



**PROTRACTOR
COMBINATION SQUARE
SQUARE
FEELER GAGE
PITCH GAGE
ANGLE GAGE
RADIUS GAGE
WIRE GAGE
SHEET METAL GAGE
TAPER GAGE
WELDING GAGE
KEYWAY GAGE
TELESCOPING GAGE
RULE
STRAIGHT EDGE**

PROTRACTOR



Code	Diameter of protractor	Length of blade
4780-85	85mm/3.3"	150mm/6"

- Range 0-180°, two directions, graduation 1°
- Satin chrome plated scale
- With locking screw
- Made of stainless steel
- Packed in leathery pouch

PROTRACTOR



Code	Diameter of protractor	Length of blade
4799-180	80mm/3.1"	120mm/4.7"
4799-1120	120mm/4.7"	150mm/6"
4799-1150	150mm/6"	200mm/8"
4799-1200	200mm/8"	300mm/12"
4799-1300	300mm/12"	500mm/20"

- Range 0-180°, graduation 1°
- Satin chrome plated scale
- With locking screw
- Made of stainless steel
- Packed in leathery pouch

PROTRACTOR



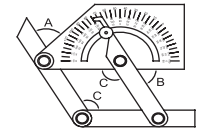
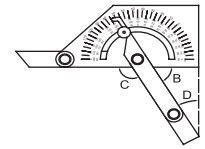
Code	Diameter of protractor	Length of blade
4797-100	100mm/4"	150mm/6"
4797-150	150mm/6"	300mm/12"
4797-200	200mm/8"	400mm/16"
4797-250	250mm/10"	500mm/20"
4797-300	300mm/12"	600mm/24"

- Blade is adjustable
- Range 10-170°, graduation 1°
- Satin chrome plated scale
- With locking screw
- Made of stainless steel
- Packed in leathery pouch

PROTRACTOR

- Graduation 1°, two directions
- Satin chrome plated scale
- With locking screw
- Made of stainless steel
- Packed in leathery pouch

Code	Range
4798	0-180°



PROTRACTOR

- Graduation 2'
- Satin chrome plated scale, with fine adjustment
- Packed in plastic box

Code	Range
2374-320	0-320°



PROTRACTOR



Code	Range
2372-360	0-360°

- Graduation 5'
- Parallax-free reading
- Satin chrome plated scale
- With fine adjustment and locking screw
- Two blades: 150mm/6" and 300mm/12"
- With magnifier and small angle attachment
- Clamp for height gages is optional
- Made of stainless steel
- Packed in plastic box

DIAL PROTRACTOR



- Graduation 5'
- With locking screw
- Two blades: 150mm/6" and 300mm/12"
- With small angle attachment
- Clamp for height gages is optional
- Made of stainless steel
- Packed in plastic box

Code	Range
2373-360	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/6" and 300mm/12"
- 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
2172-360	0-360°	30"/0.005°

COMBINATION SQUARE SET



Code
2278-180
2278-180E

- Used as square, level, marking gage, scriber, center gage, protractor and steel rule
- Square 90° and 45°, with level and scriber
- Protractor graduated 180° in both directions, with level
- Blade graduation:
 - 2278-180: 1/2mm and 1/32" on one side, 1mm and 1/64" on reverse side
 - 2278-180E: 1/8" and 1/16" on one side, 1/32" and 1/64" on reverse side
- Packed in plastic box

COMBINATION SQUARE SET



Code	Blade length	Graduation
2279-1	6"	1/8", 1/16", 1/32", 1/64"
2279-2	150mm/6"	1/2mm, 1mm, 1/32", 1/64"

- Used as square, level, marking gage, scriber, center gage and steel rule
- Square: 90° and 45°
- With level and scriber
- Packed in plastic box

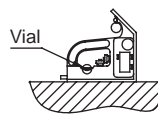
DOUBLE SQUARE



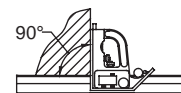
Code	Blade length	Graduation
2277-1	4"	1/8", 1/16", 1/32", 1/64"
2277-2	6"	1/8", 1/16", 1/32", 1/64"
2277-3	100mm/4"	1/2mm, 1mm, 1/32", 1/64"
2277-4	150mm/6"	1/2mm, 1mm, 1/32", 1/64"

- Hardened and chrome plated blade
- Packed in plastic box

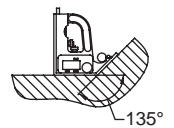
ELECTRONIC COMBINATION SQUARE



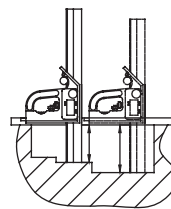
Level



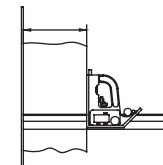
Check 90° angle



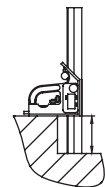
Check 135° angle



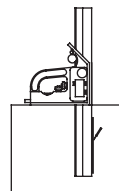
Depth measurement



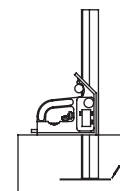
Length measurement



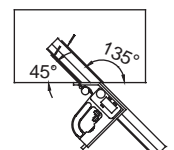
Depth measurement



Marking



Marking



Marking

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

Code
2174

90° TOOL MAKER SQUARE



- DIN875 grade 00
- Made of hardened stainless steel
- One beveled edge
- Packed in plastic box

Code	Size
4790-025	25x20mm
4790-040	40x28mm

90° BEVELED EDGE SQUARE



- Satin chrome plating
- Two beveled edges
- Made of hardened stainless steel
- Packed in plastic box or wooden box

Metric

- DIN875 grade 00 (option: grade 0 and 1)

Code	Size
4790-050	50x40mm
4790-075	75x50mm
4790-0100	100x70mm
4790-0150	150x100mm
4790-0200	200x130mm
4790-0250	250x165mm
4790-0300	300x200mm

Inch

Code	Size	Squareness
4790-0E2	2x1.6"	0.00012"
4790-0E3	3x2"	0.00012"
4790-0E4	4x2.75"	0.00012"
4790-0E6	6x4"	0.00016"
4790-0E8	8x5"	0.00016"
4790-0E10	10x6.5"	0.00020"
4790-0E12	12x10"	0.00020"

90° FLAT EDGE SQUARE

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

Code	Size
4791-50	50x40mm
4791-75	75x50mm
4791-100	100x70mm
4791-150	150x100mm
4791-200	200x130mm
4791-250	250x165mm
4791-300	300x200mm



90° FLAT EDGE SQUARE WITH WIDE BASE

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

Code	Size
4793-50	50x40mm
4793-75	75x50mm
4793-100	100x70mm
4793-150	150x100mm
4793-200	200x130mm
4793-250	250x165mm
4793-300	300x200mm



90° FLAT EDGE SQUARE WITH WIDE BASE

- Flat edge
- Made of hardened stainless steel
- Packed in plastic box or wooden box

Metric

- DIN875 grade 0

Code	Size
4792-50	50x40mm
4792-75	75x50mm
4792-100	100x70mm
4792-150	150x100mm
4792-200	200x130mm

Inch

Code	Size	Squareness
4792-E2	2x1.6"	0.00024"
4792-E3	3x1.9"	0.00026"
4792-E4	4x2.7"	0.00028"
4792-E6	6x3.9"	0.00031"
4792-E8	8x5.1"	0.00035"



90° BEVELED EDGE SQUARE WITH WIDE BASE

- DIN875 grade 0
- Beveled edge
- Made of hardened stainless steel
- Packed in plastic box or wooden box

Code	Size
4795-50	50x40mm
4795-75	75x50mm
4795-100	100x70mm
4795-150	150x100mm
4795-200	200x130mm



ADJUSTABLE SQUARE



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

Code	Size of block	Size of straight edge
4701-1	40x22x10mm	6x4x4mm

45° SQUARE



- Flat edge
- Made of hardened stainless steel
- Packed in plastic box or carton

Metric

- DIN875 grade 2

Code	Size
4745-1100	100x70mm
4745-1120	120x80mm
4745-1150	150x100mm
4745-1200	200x130mm
4745-1250	250x160mm
4745-1300	300x200mm

Inch

Code	Size	Accuracy
4745-1E4	4x2.7"	0.0012"
4745-1E47	4.7x3.15"	0.0013"
4745-1E6	6x4"	0.0014"
4745-1E8	8x5.1"	0.0016"
4745-1E10	10x6"	0.0018"
4745-1E12	12x8"	0.0020"

45° SQUARE WITH WIDE BASE

- Flat edge
- Made of hardened stainless steel
- Packed in plastic box or carton

Metric

- DIN875 grade 2

Code	Size
4747-100	100x70mm
4747-120	120x80mm
4747-150	150x100mm
4747-200	200x130mm
4747-250	250x160mm
4747-300	300x200mm



Inch

Code	Size	Accuracy
4747-E4	4x2.7"	0.0012"
4747-E47	4.7x3.15"	0.0013"
4747-E6	6x4"	0.0014"
4747-E8	8x5.1"	0.0016"
4747-E10	10x6"	0.0018"
4747-E12	12x8"	0.0020"

60° SQUARE

- Flat edge
- Made of hardened stainless steel
- Packed in plastic box or carton

Metric

- DIN875 grade 2

Code	Size
4760-1100	100x70mm
4760-1120	120x80mm
4760-1150	150x100mm
4760-1200	200x130mm
4760-1250	250x160mm
4760-1300	300x200mm



Inch

Code	Size	Accuracy
4760-1E4	4x2.7"	0.0012"
4760-1E47	4.7x3.15"	0.0013"
4760-1E16	6x4"	0.0014"
4760-1E8	8x5.1"	0.0016"
4760-1E10	10x6"	0.0018"
4760-1E12	12x8"	0.0020"

60° SQUARE WITH WIDE BASE

- Flat edge
- Made of hardened stainless steel
- Packed in plastic box or carton

Metric

- DIN875 grade 2

Code	Size
4762-100	100x70mm
4762-120	120x80mm
4762-150	150x100mm
4762-200	200x130mm
4762-250	250x160mm
4762-300	300x200mm



Inch

Code	Size	Accuracy
4762-E4	4x2.7"	0.0012"
4762-E47	4.7x3.15"	0.0013"
4762-E6	6x4"	0.0014"
4762-E8	8x5.1"	0.0016"
4762-E10	10x6"	0.0018"
4762-E12	12x8"	0.0020"

120° SQUARE

- Flat edge
- Made of hardened stainless steel
- Packed in plastic box or carton

Metric

- DIN875 grade 2

Code	Size
4706-150	50x50mm
4706-175	75x75mm
4706-1100	100x100mm
4706-1150	150x150mm
4706-1200	200x200mm



Inch

Code	Size	Accuracy
4706-1E2	2x2"	0.0010"
4706-1E3	3x3"	0.0011"
4706-1E4	4x4"	0.0012"
4706-1E6	6x6"	0.0014"
4706-1E8	8x8"	0.0016"

135° SQUARE WITH WIDE BASE

- Flat edge
- Made of hardened stainless steel
- Packed in plastic box or carton



Metric

- DIN875 grade 2

Code	Size
4754-3100	100x70mm
4754-3120	120x80mm
4754-3150	150x100mm
4754-3200	200x130mm
4754-3250	250x165mm
4754-3300	300x175mm

Inch

Code	Size	Accuracy
4754-3E4	4x2.7"	0.0012"
4754-3E47	4.7x3.15"	0.0013"
4754-3E6	6x4"	0.0014"
4754-3E8	8x5.1"	0.0016"
4754-3E10	10x6.5"	0.0018"
4754-3E12	12x7"	0.0020"

STRAIGHT EDGE

- Satin chrome plating
- Beveled edge
- Made of hardened stainless steel
- Packed in leathery pouch



Metric

- DIN874

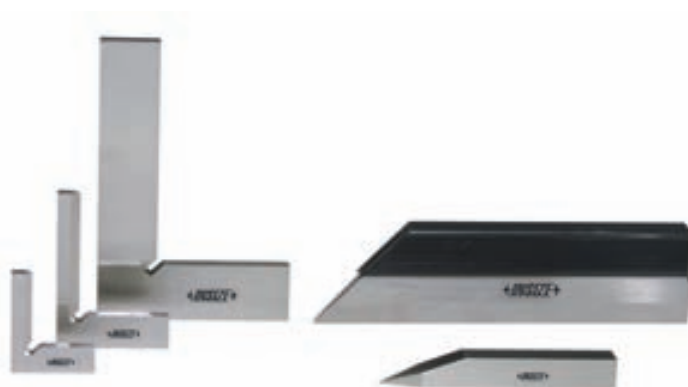
Code	Size
4700-50	50mm
4700-75	75mm
4700-100	100mm
4700-125	125mm
4700-150	150mm
4700-200	200mm
4700-250	250mm
4700-300	300mm
4700-400	400mm
4700-500	500mm

Inch

Code	Size	Straightness
4700-E2	2"	0.00008"
4700-E3	3"	0.00008"
4700-E4	4"	0.00008"
4700-E5	5"	0.00012"
4700-E6	6"	0.00012"
4700-E8	8"	0.00012"
4700-E10	10"	0.00012"
4700-E12	12"	0.00012"
4700-E16	16"	0.00012"
4700-E20	20"	0.00016"

SQUARE SET

- Includes:
 - straight edge 100mm DIN874
 - 90° beveled edge square 75x50mm DIN875 grade 00
 - 90° tool maker square 25x20mm DIN875 grade 00
 - 90° tool maker square 40x28mm DIN875 grade 00
 - scriber 60x8x8mm
- Made of stainless steel
- Packed in plastic box



Code

4702-1

MACHINIST SQUARE



- Galvanized
- Ground surfaces
- Packed in carton

Code	Size
4703-100	100x70mm
4703-150	150x100mm
4703-200	200x130mm
4703-250	250x160mm
4703-300	300x180mm
4703-400	400x230mm
4703-500	500x280mm

MACHINIST SQUARE WITH WIDE BASE



- Galvanized
- Ground surfaces
- Packed in carton

Code	Size
4704-100	100x70mm
4704-150	150x100mm
4704-200	200x130mm
4704-250	250x160mm
4704-300	300x180mm
4704-400	400x230mm
4704-500	500x280mm

MACHINIST SQUARE WITH WIDE BASE

Individual Square

Code	Size	Code	Size
4707-50	50x40mm	4707-2	2x1-1/2"
4707-75	75x50mm	4707-3	3x2-1/2"
4707-100	100x70mm	4707-4	4x3"
4707-150	150x100mm	4707-6	6x4"
4707-200	200x130mm	4707-9	9x6"
4707-250	250x165mm	4707-12	12x8"
4707-300	300x200mm	4707-18	18x10"
4707-400	400x250mm	4707-24	24x12"
4707-500	500x300mm		

Square Set

Code	Size	Quantity
4707-S1	50x40, 100x70, 150x100mm	3pcs
4707-S2	50x40, 75x50, 100x70, 150x100mm	4pcs
4707-S3	100x70, 150x100, 200x130, 300x200mm	4pcs
4707-SE1	2x1-1/2", 4x3", 6x4"	3pcs
4707-SE2	2x1-1/2", 3x2-1/2", 4x3", 6x4"	4pcs
4707-SE3	4x3", 6x4", 9x6", 12x8"	4pcs



- Beam and blade are ground
- Blade is hardened
- Individual square is packed in carton
- Square set is packed in plastic box

SPECIAL SQUARE

- Check angles: 30°, 35°, 90°, 135°, 160°
- Packed in carton

Code	Size
4709-92	92x47mm (3.6x1.8")
4709-110	110x59mm (4.3x2.3")
4709-130	130x70mm (5.1x2.7")
4709-175	175x94mm (7x3.7")
4709-225	225x118mm (9x4.6")
4709-256	256x143mm (10x5.6")



METRIC FEELER GAGE



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

Code	Range	Size of blade	Quantity of blade
4601-9	0.04-0.30mm	0.04, 0.05, 0.06, 0.07, 0.08, 0.10, 0.15, 0.20, 0.30mm	9pcs
4601-91	0.06-0.60mm	0.06, 0.10, 0.15, 0.20, 0.30, 0.35, 0.40, 0.50, 0.60mm	9pcs
4601-10	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
4601-15	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
4601-25	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



- Taper blades, length 100mm
- Each blade is marked with metric/inch size
- Made of hardened spring steel
- Packed in carton

Code	Range	Size of blade	Quantity of blade
4602-8	0.05-0.50mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50mm	8pcs
4602-10	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
4602-13	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
4602-17	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
4602-20	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
4602-32	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, 0.63, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 1.00mm	32pcs

METRIC LONG FEELER GAGE



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

Code	Range	Size of blade	Quantity of blade	Length of blade
4605-13	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
4605-131	0.05-1.00mm		13pcs	200mm
4605-132	0.05-1.00mm		13pcs	300mm
4605-20	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
4605-201	0.05-1.00mm		20pcs	200mm
4605-202	0.05-1.00mm	20pcs	300mm	

INCH FEELER GAGE



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

Code	Range	Size of blade	Quantity of blade
4611-17	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

INCH FEELER GAGE



- Taper blades, length 3"
- Each blade is marked with inch/metric size
- Made of hardened spring steel
- Packed in carton

Code	Range	Size of blade	Quantity of blade
4612-26	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

INCH FEELER GAGE



- Straight blades
- Each blade is marked with inch/metric size
- Made of hardened spring steel
- Packed in carton

Code	Range	Size of blade	Quantity of blade	Length of blade
4613-261	0.0015-0.025"	0.0015, 0.002, 0.0025, 0.003, 0.004, 0.005, 0.006,	26pcs	3"
4613-262	0.0015-0.025"	0.007, 0.008, 0.009, 0.010, 0.011, 0.012, 0.013,	26pcs	3.5"
4613-263	0.0015-0.025"	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	4"

INCH FEELER GAGE



- With 2" rule
- Straight blades, length 3"
- Each blade is marked with inch/metric size
- Made of hardened spring steel
- Packed in carton

Code	Range	Size of blade	Quantity of blade
4614-9	0.002-0.025"	0.002, 0.003, 0.004, 0.006, 0.008, 0.012, 0.013, 0.020, 0.025inch	9pcs
4614-15	0.002-0.025"	0.002, 0.003, 0.004, 0.005, 0.006, 0.008, 0.011, 0.012, 0.013, 0.014, 0.016, 0.018, 0.020, 0.022, 0.025inch	15pcs

INCH FEELER GAGE



- With 0.010" brass blade
- Straight blades, length 3-5/16"
- Each blade is marked with inch/metric size
- Made of hardened spring steel
- Packed in carton

Code	Range	Size of blade	Quantity of blade
4608-31	0.0015-0.035"	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, 0.025, 0.026, 0.028, 0.030, 0.032, 0.035inch	31pcs

INCH GO AND NO-GO FEELER GAGE

- Each blade has two sizes
- Length of blade 4"
- Each blade is marked with inch/metric size
- Made of hardened spring steel
- Packed in carton



Code	Range	Size of blade	Quantity of blade
4615-22	0.004/0.006"- 0.025/0.027"	0.004/0.006, 0.005/0.007, 0.006/0.008, 0.007/0.009, 0.008/0.010, 0.009/0.011, 0.010/0.012, 0.011/0.013, 0.012/0.014, 0.013/0.015, 0.014/0.016, 0.015/0.017, 0.016/0.018, 0.017/0.019, 0.018/0.020, 0.019/0.021, 0.020/0.022, 0.021/0.023, 0.022/0.024, 0.023/0.025, 0.024/0.026, 0.025/0.027inch	22pcs

INCH OFFSET FEELER GAGE

- Bend end
- Length of blade 4"
- Each blade is marked with inch/metric size
- Made of hardened spring steel
- Packed in carton



Code	Range	Size of blade	Quantity of blade
4609-16	0.005-0.020"	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, 0.020inch	16pcs
4609-12	0.008-0.026"	0.008, 0.010, 0.012, 0.013, 0.014, 0.015, 0.016, 0.018, 0.019, 0.020, 0.025, 0.026inch	12pcs

INCH OFFSET FEELER GAGE



- Bend end
- Length of blade 4"
- Each blade is marked with inch/metric size
- Made of hardened spring steel
- Packed in pouch

Code	Range	Size of blade	Quantity of blade
4616-26	0.005-0.030"	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, 0.025, 0.026, 0.027, 0.028, 0.029, 0.030inch	26pcs

PITCH GAGE



- Blades marked with pitch
- Made of alloy steel
- Packed in carton

Code	Range	Thread type	Pitch of blade	Quantity of blade
4824-12	2-20mm	30°	2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 16, 20mm	12pcs
Code	Range	Thread type	Pitch of blade	Quantity of blade
4824-16	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

PITCH GAGE



- Blades marked with pitch
- Made of alloy steel
- Packed in carton

Code	Range	Thread type	Pitch of blade	Quantity of blade
4820-121	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
4820-124	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, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm	24pcs
4820-230	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
4820-223	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
4820-330	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
4820-328	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
4820-452	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
	0.25-6.0mm	METRIC 60°	0.25, 0.3, 0.35, 0.4, 0.45, 0.5, 0.6, 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, 6mm	24pcs

PITCH GAGE



- Made of alloy steel
- Packed in pouch

Code	Range	Thread type	Pitch
4812-E	1-10TPI	ACME 29°	1, 1-1/3, 1-1/2, 1-3/4, 2, 2-1/2, 3, 4, 5, 6, 7, 8, 9, 10TPI
4812-12	2-12mm	METRIC 30°	2, 3, 4, 5, 6, 7, 8, 9, 10, 12mm

CENTER ANGLE GAGE



- Each piece has 4 angle gaging surfaces
- Packed in pouch

Code	Angle	Graduation
4810-601	60°	1mm and 0.5mm on one side
4810-602	60°	14ths and 20ths on one side, 24ths and 32ths on another side
4810-55	55°	14ths and 20ths on one side

ANGLE GAGE SET

Code
4807

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
- Blades marked with angles
- Made of alloy steel
- Packed in pouch

ANGLE GAGE



- For internal angles
- Made of alloy steel, precision ground
- Packed in carton

Code	Range	Angle of blade	Quantity of blade
4806-20	1°-45°	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 16, 18, 20, 25, 30, 35, 40, 45°	20pcs

RADIUS GAGE



- Concave/convex surfaces with radius on each blade
- Made of alloy steel
- Packed in carton

Code	Range	Radius of blade	Concave blade	Convex blade
4801-17	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
4801-16	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
4801-15	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
4801-15E	1/32"-1/4"	1/32, 3/64, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64, 1/4"	15pcs	15pcs
4801-16E	17/64"-1/2"	17/64, 9/32, 19/64, 5/16, 21/64, 11/32, 23/64, 3/8, 25/64, 13/32, 27/64, 7/16, 29/64, 15/32, 31/64, 1/2"	16pcs	16pcs
4801-16E1	17/32"-1"	17/32, 9/16, 19/32, 5/8, 21/32, 11/16, 23/32, 3/4, 25/32, 13/16, 27/32, 7/8, 29/32, 15/16, 31/32, 1"	16pcs	16pcs

RADIUS GAGE SET



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

Code	Range	Radius of blade	Quantity of blade	Handle
4804-26	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
4804-22	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	Radius of blade	Quantity of blade	Handle
4804-25E	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
4804-8E	9/16 to 1"	9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"	8pcs	Without
4804-8E1	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
4804-26E	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
4804-10E	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

WIRE GAGE



- American standard for gaging non-ferrous wire and metals such as copper, brass and aluminum
- Hardened and satin chrome finish
- Packed in pouch

Code	Range
4808	0-36

SHEET METAL GAGE



- US standard for gaging sheet metal, plate iron and steel
- Hardened and satin chrome finish
- Packed in pouch

Code	Range
4809	0-36

TAPER GAGE

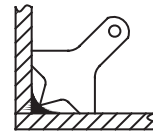


- For quick measuring of slot width, etc.
- Stain chrome plated reading surface
- Made of hardened stainless steel
- Packed in pouch

Code	Range	Graduation
4630-1	0.5-10mm	0.05mm
4630-1E	0.01-0.15"	0.001"

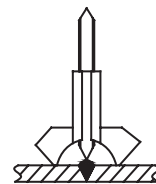
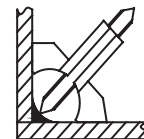
WELDING SEAM GAGE

- Made of alloy steel
- Packed in pouch



Code	Range	Size of blade	Quantity of blade
4805-12	3-12mm	3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 8, 10, 12mm	12pcs
4805-12E	1/8-1/2"	1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 1/2"	12pcs

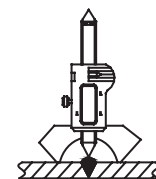
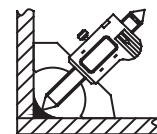
WELDING SEAM GAGE



Code	Range
4830	0-20mm
4830-E	0-0.8"

- Graduation: metric 0.1mm
inch 1/128"
- With angle gages 60°, 70°, 80° and 90°
- Made of stainless steel, stain chrome plated reading surface
- Packed in pouch

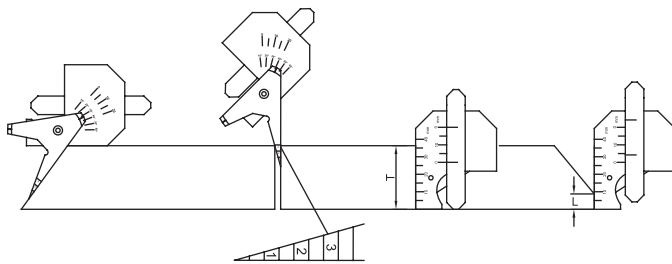
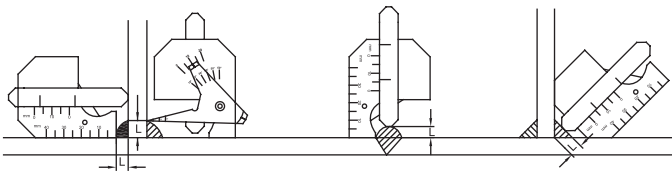
ELECTRONIC DIGITAL WELDING SEAM GAGE



Code	Range
4831-12	0-12mm/0-0.5"
4831-20	0-20mm/0-0.8"

- To measure flat welding seams and welding seams in corners
- Resolution: 0.01mm/0.0005"
- With angle gages 60°, 70°, 80° and 90°
- Made of stainless steel
- With spare battery
- Packed in plastic box

MULTI-PURPOSE WELDING GAGE



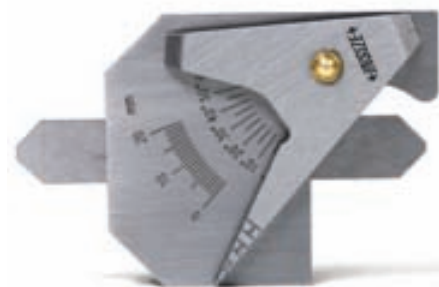
- Stain chrome plated reading surface
- Made of hardened stainless steel
- Packed in pouch

Code

6832-1



front



back

KEYWAY GAGE

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



Code

4811-80

Range

5-80mm

4811-120

6-120mm

4811-160

7-160mm

4811-200

8-200mm

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 finish
- Packed in pouch

Code	Range
4206-1	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 finish
- Packed in pouch

Code	Range
4208-1	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")

LONG HANDLE TELESCOPING GAGE



- 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 finish
- Packed in pouch

Code	Handle length	Range
4209-1	250mm/10"	8 to 12.7mm(5/16 to 1/2")
4209-2	250mm/10"	12.7 to 19mm(1/2 to 3/4")
4209-3	250mm/10"	19 to 32mm(3/4 to 1-1/4")
4209-4	300mm/12"	32 to 54mm(1-1/4 to 2-1/8")
4209-5	300mm/12"	54 to 90mm(2-1/8 to 3-1/2")
4209-6	300mm/12"	90 to 150mm(3-1/2 to 6")
4209-7	300mm/12"	120 to 200mm(4-3/4 to 8")

RULE



Code	Size	Width	Thickness
7110-150	150mm/6"	18mm/0.71"	1.0mm/0.04"
7110-200	200mm/8"	18mm/0.71"	1.0mm/0.04"
7110-300	300mm/12"	25mm/1"	1.0mm/0.04"
7110-500	500mm/20"	30mm/1.18"	1.2mm/0.05"
7110-600	600mm/24"	30mm/1.18"	1.2mm/0.05"
7110-1000	1000mm/40"	32mm/1.26"	1.5mm/0.06"
7110-1001	1000mm/40"	35mm/1.38"	1.8mm/0.07"
7110-1200	1200mm/48"	35mm/1.38"	1.8mm/0.07"
7110-1500	1500mm/60"	38mm/1.50"	1.8mm/0.07"
7110-2000	2000mm/80"	40mm/1.57"	2.0mm/0.08"

- Graduation: metric 0.5mm, 1mm, inch 1/32", 1/64", 1/16"
- Flexible rule, made of stainless steel
- Satin finish
- Packed in pouch

RULE



Code	Size	Width	Thickness
7113-300	300mm/12"	25mm/1"	2.2mm/0.09"
7113-500	500mm/20"	25mm/1"	2.2mm/0.09"
7113-600	600mm/24"	25mm/1"	2.2mm/0.09"

- Graduation: front side 0.5mm, 1/32", back side 1mm, 1/64"
- Satin chrome plated scale
- Rigid rule, made of carbon steel
- Packed in pouch

STRAIGHT EDGE



Code	Length
7112-300	300mm/12"
7112-450	450mm/18"
7112-600	600mm/24"
7112-900	900mm/36"

- Beveled edge
- For general line layout and inspection of surfaces
- Made of hardened tool steel
- Packed in pouch

STRAIGHT EDGE



Code	Length	Section
7111-300	300mm	40x5mm
7111-500	500mm	40x5mm
7111-1000	1000mm	40x5mm
7111-1500	1500mm	40x5mm
7111-2000	2000mm	40x5mm
7111-12	12"	1.6x0.2"
7111-20	20"	1.6x0.2"
7111-40	40"	1.6x0.2"
7111-60	60"	1.6x0.2"
7111-80	80"	1.6x0.2"

- With graduation on the beveled edge
- Made of carbon steel chrome plated
- Packed in pouch

MAGNALIUM STRAIGHT EDGE



Code	Size	Flatness	Parallelism
4180-500	500mm/20"	0.003mm/0.00012"	0.004mm/0.00016"
4180-1000	1000mm/40"	0.005mm/0.00020"	0.008mm/0.00031"
4180-1500	1500mm/60"	0.015mm/0.00059"	0.022mm/0.00087"
4180-2000	2000mm/80"	0.018mm/0.00071"	0.027mm/0.00106"
4180-2500	2500mm/100"	0.022mm/0.00087"	0.033mm/0.00130"
4180-3000	3000mm/120"	0.048mm/0.00189"	0.072mm/0.00283"
4180-3500	3500mm/140"	0.056mm/0.00220"	0.084mm/0.00331"
4180-4000	4000mm/160"	0.064mm/0.00252"	0.130mm/0.00512"
4180-5000	5000mm/200"	0.160mm/0.00630"	0.240mm/0.00945"

- Made of magnalium, light weight, non-deform, no rusty
- Two work sides are parallel to each other
- For checking straightness
- Packed in wooden case

GRANITE STRAIGHT EDGE



Code	Size in metric	Size in inch	Flatness
4147-300	300x30x50mm	12x1.2x2"	3.20µm/0.00013"
4147-400	400x40x60mm	16x1.6x2.4"	3.60µm/0.00014"
4147-500	500x50x80mm	20x2x3.1"	4.00µm/0.00016"
4147-630	630x50x80mm	25x2x3.1"	4.40µm/0.00017"
4147-800	800x50x100mm	32x2x4"	5.20µm/0.00021"
4147-1000	1000x60x120mm	40x2.4x4.7"	6.00µm/0.00024"
4147-1400	1400x60x150mm	56x2.4x6"	7.60µm/0.00030"
4147-1600	1600x80x180mm	64x3.1x7.1"	8.40µm/0.00033"
4147-2000	2000x80x200mm	80x3.1x8"	10.00µm/0.00039"

- Made of granite, hard and no rusty, no dimensional change over time or temperature change
- For checking straightness
- Packed in wooden case



GRANITE SURFACE PLATE
SQUARE, BLOCK
V-BLOCK
POSITIONING BLOCKS
ANGLE PLATE, ANGLE BLOCK
PARALLEL
SINE BAR, SINE TABLE, SINE VISE
PRECISION VISE

GRANITE SURFACE PLATE



- Metric: DIN876 grade 0 is standard, grade 00 and grade 1 are optional
- Inch: GGG-G-463 grade A is standard, grade AA and grade B are optional
- Made of granite, free from deterioration or dimensional change over time, minimal changes in dimension due to temperature changes
- With certificate
- Packed in wooden case

Code	Size	Code	Size
6900-032	300x200x60mm	6900-3121	12x12x4"
6900-042	400x250x60mm	6900-3122	12x18x4"
6900-044	400x400x60mm	6900-3182	18x24x4"
6900-053	500x315x70mm	6900-3242	24x24x6"
6900-055	500x500x80mm	6900-3243	24x36x6"
6900-064	630x400x80mm	6900-3363	36x36x6"
6900-066	630x630x100mm	6900-3364	36x48x8"
6900-085	800x500x100mm	6900-3366	36x60x10"
6900-0106	1000x630x140mm	6900-3367	36x72x12"
6900-0107	1000x750x150mm	6900-3487	48x72x12"
6900-0101	1000x1000x150mm	6900-3489	48x96x14"
6900-0128	1200x800x160mm		
6900-0161	1600x1000x180mm		
6900-0201	2000x1000x220mm		
6900-0202	2000x1500x250mm		
6900-0251	2500x1500x300mm		
6900-0302	3000x2000x400mm		

STAND FOR GRANITE SURFACE PLATE



- For medium size granite surface plates
- Including 5 leveling jacks
- Packed in wooden case

Code	For granite surface plate	Code	For granite surface plate
6902-64	630x400x80mm	6902-1824	18x24x4"
6902-66	630x630x100mm	6902-2424	24x24x6"
6902-85	800x500x100mm	6902-2436	24x36x6"
6902-106	1000x630x140mm	6902-3636	36x36x6"
6902-107	1000x750x150mm	6902-3648	36x48x8"
6902-1010	1000x1000x150mm	6902-3660	36x60x10"
6902-128	1200x800x160mm		
6902-1610	1600x1000x180mm		

JACK FOR GRANITE SURFACE PLATE

- Supplied in 5pcs/set
- For large granite surface plates 2000x1000x220mm, 2000x1500x250mm, 2500x1500x300mm, 3000x2000x400mm, 36x72x12", 48x72x12", 48x96x14"
- Packed in wooden case



Code
6903

GRANITE SQUARE

- Made of granite, hard and no rusty, no dimensional change over time or temperature change
- The two narrow 90° surfaces of the square are precision lapped
- Packed in aluminum box or wooden box

Code	Size in metric	Size in inch	Squareness
4141-100	100x63x16mm	3.9x2.5x0.6"	4.0µm/0.00016"
4141-160	160x100x20mm	6.3x3.9x0.8"	4.0µm/0.00016"
4141-250	250x160x25mm	9.8x6.3x1"	5.0µm/0.00020"
4141-400	400x250x40mm	15.7x9.8x1.6"	7.0µm/0.00028"
4141-630	630x400x63mm	24.8x15.7x2.5"	9.0µm/0.00035"
4141-1000	1000x630x80mm	39.4x24.8x3.1"	12.0µm/0.00047"



GRANITE SQUARE

- Made of granite, hard and no rusty, no dimensional change over time or temperature change
- 4 sides are precision lapped, are parallel and perpendicular to each other
- For checking 90° angle, straightness and parallelism
- Packed in aluminum box or wooden box

Code	Size in metric	Size in inch	Squareness
4144-250	250x250x40mm	9.8x9.8x1.6"	4.5µm/0.00018"
4144-315	315x315x40mm	12.4x12.4x1.6"	5.2µm/0.00021"
4144-400	400x400x50mm	15.7x15.7x2"	6.0µm/0.00024"
4144-500	500x500x60mm	19.7x19.7x2.4"	7.0µm/0.00028"
4144-630	630x630x60mm	24.8x24.8x2.4"	8.3µm/0.00033"



CYLINDER SQUARE

- Checking squares, height gages and other instruments
- Hardened, the ends are lapped
- Packed in wooden box

Code	Size	Squareness
4708-75	Ø75x150mm	0.0025mm
4708-100	Ø100x300mm	0.004mm
4708-3	Ø3x5.9"	0.0001"
4708-4	Ø3.9x11.8"	0.00015"



GRANITE BLOCK

- Made of granite, hard and no rusty, no dimensional change over time or temperature change
- For checking perpendicularity and parallelism
- V-groove is for cylinder
- Packed in wooden case

Code	Size in metric	Size in inch	Squareness
4142-160	160x160x160mm	6.3x6.3x6.3"	4.0µm/0.00016"
4142-200	200x200x200mm	7.9x7.9x7.9"	5.0µm/0.00020"
4142-250	250x250x250mm	9.8x9.8x9.8"	6.0µm/0.00024"



MAGNETIC SQUARE AND V-BLOCK



- Accuracy: 0.02mm/100mm (0.0002"/1")
- Packed in wooden box

Code	Size in metric	Size in inch	Magnetic force	Capacity (dia.)
6510-1	100x100x100mm	4x4x4"	30kgf/66lbf	36mm/1.4"
6510-2	150x150x150mm	6x6x6"	30kgf/66lbf	44mm/1.8"
6510-3	200x200x200mm	8x8x8"	45kgf/99lbf	52mm/2.1"

GRANITE V-BLOCK



- Made of granite, hard and no rusty, no dimensional change over time or temperature change
- Supplied in matched pair
- Ideal for testing cylinder
- Packed in aluminum box or wooden box

Code	Size in metric	Size in inch	Capacity (dia.)	Flatness	Parallelism of groove to bottom
6897-1	70x70x50mm	2.8x2.8x2"	45mm/1.8"	1.5 μ m/0.00006"	3.0 μ m/0.00012"
6897-2	100x70x50mm	3.9x2.8x2"	65mm/2.6"	2.0 μ m/0.00008"	4.0 μ m/0.00016"
6897-3	140x100x60mm	5.5x3.9x2.4"	95mm/3.7"	2.0 μ m/0.00008"	4.0 μ m/0.00016"
6897-4	200x140x70mm	7.9x5.5x2.8"	145mm/5.7"	3.0 μ m/0.00012"	6.0 μ m/0.00024"

STEEL V-BLOCK



- Supplied with matched pair
- Made of hardened tool steel
- With clamp
- Packed in wooden box

Code	Size	Capacity (dia.)	Accuracy
6893-1	35x35x30mm	16mm	5µm
6893-2	60x60x50mm	34mm	5µm
6893-3	75x75x100mm	60mm	5µm
6893-4	105x105x78mm	66mm	5µm
6893-1E	1-3/8x1-3/8x1-3/16"	0.6"	0.0002"
6893-2E	2-3/8x2-3/8x2"	1.3"	0.0002"
6893-3E	3x4x3"	2.4"	0.0002"
6893-4E	4-1/8x4-1/8x3-1/16"	2.6"	0.0002"

STEEL V-BLOCK



- Supplied with matched pair
- Made of hardened tool steel
- With clamp
- Packed in wooden box

Code	Size	Capacity (dia.)	Accuracy
6895-1	35x35x45mm	25mm	5µm
6895-2	40x40x50mm	35mm	5µm
6895-3	41x35x44mm	35mm	5µm
6895-4	51x45x50mm	40mm	5µm
6895-1E	1-5/8x1-3/4x2-3/4"	1.7"	0.0002"
6895-2E	1-3/8x1-5/8x1-3/4"	1"	0.0002"
6895-3E	2-1/2x2-3/4x1-3/4"	1.5"	0.0002"

MAGNETIC V-BLOCK



- Magnetic force 70kgf/154lbf
- Accuracy: 0.02mm/100mm (0.0002"/1")
- Supplied in single piece
- Packed in wooden box

Code	Size in metric	Size in inch	Capacity (dia.)
6890-701	70x54x73mm	2.8x2.1x2.9"	38mm/1.5"
6890-702	70x60x73mm	2.8x2.4x2.9"	44mm/1.7"
6890-703	80x56x73mm	3.1x2.2x2.9"	40mm/1.6"
6890-704	124x60x73mm	4.9x2.4x2.9"	44mm/1.7"
6890-705	127x60x73mm	5x2.4x2.9"	38mm/1.5"
6890-706	101x76x78mm	4x3x3.1"	56mm/2.2"

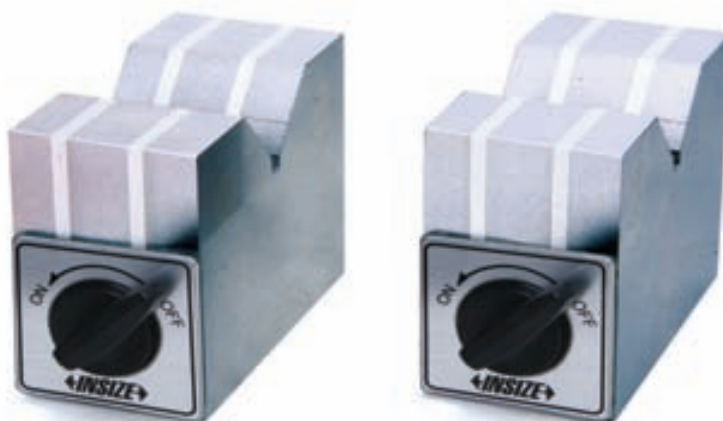
MAGNETIC V-BLOCK



- Magnetic force 120kgf/264lbf
- Accuracy: 0.02mm/100mm (0.0002"/1")
- Supplied in single piece
- Packed in wooden box

Code	Size in metric	Size in inch	Capacity (dia.)
6890-1201	80x67x95mm	3.1x2.6x3.7"	50mm/2.0"
6890-1202	100x67x95mm	3.9x2.6x3.7"	50mm/2.0"
6890-1203	120x67x95mm	4.7x2.6x3.7"	50mm/2.0"
6890-1204	101x67x95mm	4x2.6x3.7"	48mm/1.9"
6890-1205	152x76x95mm	6x3x3.7"	56mm/2.2"

MAGNETIC V-BLOCK



- Supplied in pair
- Accuracy: 0.02mm/100mm (0.0002"/1")
- Packed in wooden box

Code	Size in metric	Size in inch	Magnetic force	Capacity (dia.)
6891-1	70x40x50mm	2.8x1.6x2"	15kgf/33lbf	50mm/2"
6891-2	100x50x80mm	4x2x3.2"	20kgf/44lbf	80mm/3.2"
6891-3	150x50x100mm	6x2x4"	23kgf/50.6lbf	125mm/5"

MAGNETIC INDUCTION V-BLOCK



- Accuracy: 0.02mm/100mm (0.0002"/1")
- Packed in wooden box

Code	Size in metric	Size in inch	Capacity (dia.) of top side	Capacity (dia.) of bottom side
6892-1	110x60x48mm	4.4x2.4x1.9"	50mm/2"	20mm/0.8"

MAGNETIC INDUCTION V-BLOCK



- Supplied in pair
- Accuracy: 0.02mm/100mm (0.0002"/1")
- Packed in wooden box

Code	Size in metric	Size in inch	Capacity (dia.) of top side	Capacity (dia.) of bottom side
6892-2	50x60x48mm	2x2.4x1.9"	50mm/2"	20mm/0.8"

POSITIONING BLOCKS



- Pairs of matched blocks for positioning and set-up
- Packed in plastic box

Code	Size	Squareness	Parallelism	Hole
6530-1	25x50x75mm	0.0025mm	0.005mm	No hole
6530-2	25x50x75mm	0.0025mm	0.005mm	One hole
6530-3	1x2x3"	0.0001"	0.0002"	No hole
6530-4	1x2x3"	0.0001"	0.0002"	One hole

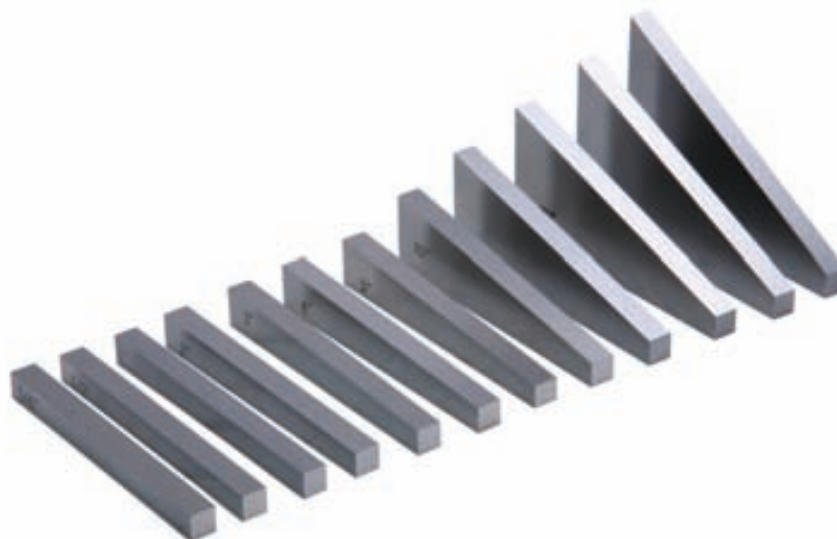
POSITIONING BLOCKS



Code	Size	Squareness	Parallelism
6531-1	25x50x75mm	0.0025mm	0.005mm
6531-2	25x50x100mm	0.0075mm	0.005mm
6531-3	50x75x100mm	0.0075mm	0.005mm
6531-4	50x100x150mm	0.0075mm	0.005mm
6531-5	1x2x3"	0.0001"	0.0002"
6531-6	1x2x4"	0.0003"	0.0002"
6531-7	2x3x4"	0.0003"	0.0002"
6531-8	2x4x6"	0.0003"	0.0002"

- Pairs of matched blocks for positioning and set-up
- Screws and wrench are included
- Packed in plastic box or wooden box

ANGLE PLATE SET



Code	Quantity(pcs)	Angles(°)
6541-1	12	1/4, 1/2, 1, 2, 3, 4, 5, 10, 15, 20, 25, 30
6541-2	10	1, 2, 3, 4, 5, 10, 15, 20, 25, 30

- For set-up in tooling, production and inspection
- Accuracy: +/-20 seconds
- Length 75mm/3", thickness 6.3mm/0.25"
- Hardened to HRC52-58
- Packed in plastic box

ANGLE PLATE



- For set-up in tooling, production and inspection
- Accuracy +/-20 seconds
- 4 mounting holes, hardened to HRC52-58
- Packed in plastic box

Code	Quantity(piece)	Angles(°)	Size in metric	Size in inch
6540	1	30, 60, 90	100x88x50mm	4x3.5x2"
	1	45, 45, 90	75x75x110mm	3x3x4.4"

ANGLE PLATE SET



- For set-up in tooling, production and inspection
- Accuracy +/-20 seconds
- Length 75mm/3", thickness 6.3mm/0.25"
- Hardened to HRC52-58
- Packed in wooden box

Code	Quantity	Angles(°)
6543-17	17pcs	0, 0, 1/4, 1/2, 1, 2, 3, 4, 5, 10, 15, 20, 25, 30, 35, 40, 45

ADJUSTABLE ANGLE BLOCK



- For set-up at any desired angle
- Made of hardened alloy steel
- Accuracy: 0.01 mm / 100 mm (0.0001" / 1")
- Supplied with adjusting wrench
- Packed in wooden box

Code	Size in metric	Size in inch
6544-1	75x25x35mm	3x1x1.4"
6544-2	102x30x51mm	4x1.2x2"
6544-3	102x46x51mm	4x1.8x2"

RIGHT ANGLE PLATE



- Accuracy: 5µm / 100mm (0.00005" / 1")
- Hardened to HRC58-63
- Packed in wooden box

Code	Size in metric	Size in inch
6545-1	76x76x76mm	3x3x3"
6545-2	100x76x76mm	4x3x3"
6545-3	100x100x100mm	4x4x4"
6545-4	150x100x100mm	6x4x4"
6545-5	150x150x100mm	6x6x4"

COMPOUND ANGLE PLATE



- Squareness and parallelism within $5\mu\text{m}/100\text{mm}$ (0.00005"/1")
- Packed in wooden box

Code	Size in metric	Size in inch
6520-1	150x100x100mm	6x4x4"

GRANITE PARALLEL



- Made of granite, hard and no rusty, no dimensional change over time or temperature change
- 4 work sides
- Supplied in matched pair
- Packed in aluminum box or wooden box

Code	Size in metric	Size in inch	Flatness and parallelism
4143-160	160x25x16mm	6.3x1x0.6"	$3.0\mu\text{m}/0.00012"$
4143-250	250x40x25mm	10x1.6x1"	$4.0\mu\text{m}/0.00016"$
4143-400	400x63x40mm	16x2.5x1.6"	$6.0\mu\text{m}/0.00024"$
4143-630	630x100x63mm	25x4x2.5"	$12.0\mu\text{m}/0.00047"$

MAGNETIC INDUCTION PARALLEL



- Supplied in pair
- Accuracy: 0.02mm/100mm (0.0002"/1")
- Packed in wooden box

6894-1

Code	Size in metric	Size in inch
6894-1	100x50x25mm	4x2x1"
6894-2	50x100x25mm	2x4x1"

INCH PARALLEL SETS



- Parallel within 0.0002"
- Height matched within 0.0002"
- Hardened to HRC55-60
- With holes
- Packed in plastic box or wooden box

Code	Quantity(pairs)	Length(inch)	Thickness(inch)	Height(inch)
6532-10	10	6	1/8	1/2, 5/8, 3/4, 7/8, 1, 1-1/8, 1-1/4, 1-3/8, 1-1/2, 1-5/8
6532-9	9	6	1/4	3/4, 7/8, 1, 1-1/8, 1-1/4, 1-3/8, 1-1/2, 1-5/8, 1-3/4
6532-8	8	6	1/2	7/8, 1, 1-1/8, 1-1/4, 1-3/8, 1-1/2, 1-5/8, 1-3/4
6532-41	4	6	3/16	1, 1-1/4, 1-1/2, 1-3/4
6532-42	4	6	1/2	1, 1-1/4, 1-1/2, 1-3/4
6532-43	4	6	3/16	1, 1-1/4
			1/2	1-1/2, 1-3/4

METRIC PARALLEL SETS



- Parallel within 0.005mm
- Height matched within 0.005mm
- Hardened to HRC55-60
- With holes
- Packed in plastic box or wooden box

Code	Quantity(pairs)	Length(mm)	Thickness(mm)	Height(mm)
6533-141	14	150	3	14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40, 45, 50
6533-142	14	150	4	14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40, 45, 50
6533-143	14	150	5	14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40, 45, 50
6533-144	14	150	10	14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40, 45, 50
6533-241	24	150	8	11, 16, 21, 26, 31, 36
			10	13, 18, 23, 28, 33, 38
			12	15, 20, 25, 30, 35, 40
			14	17, 22, 27, 32, 37, 42
6533-242	24	125	8	11, 16, 21, 26, 31, 36
			10	13, 18, 23, 28, 33, 38
			12	15, 20, 25, 30, 35, 40
			14	17, 22, 27, 32, 37, 42

SINE BAR



Code	Roller distance (center to center)	Table size
4150-130	100±0.0035mm	130x25mm
4150-1301	100±0.0035mm	130x80mm
4150-250	200±0.005mm	250x40mm
4150-2501	200±0.005mm	250x80mm
4150-130E	4±0.00015"	5-1/8x1"
4150-131E	4±0.00015"	5-1/8x3-5/32"
4150-250E	8±0.0002"	10x1-9/16"
4150-251E	8±0.0002"	10x3-5/32"

- Designed for setting and checking of precision angles with gauge blocks
- Alloy steel, hardened, ground and lapped
- Packed in wooden box

SINE TABLE

Code	Roller distance (center to center)	Table size
4151-115	76.2±0.005mm	115x100mm
4151-165	127±0.005mm	165x75mm
4151-1651	127±0.005mm	165x125mm
4151-1652	127±0.005mm	165x150mm
4151-1653	127±0.005mm	165x300mm
4151-200	127±0.005mm	200x300mm
4151-300	254±0.005mm	300x150mm
4151-3001	254±0.005mm	300x300mm
4151-115E	3±0.0002"	4-17/32x4"
4151-165E	5±0.0002"	6-1/2x2-15/16"
4151-166E	5±0.0002"	6-1/2x5"
4151-167E	5±0.0002"	6-1/2x6"
4151-168E	5±0.0002"	6-1/2x12"
4151-200E	5±0.0002"	8x12"
4151-300E	10±0.0002"	12x6"
4151-301E	10±0.0002"	12x12"



- Designed for setting and checking of precision angles with gauge blocks
- Alloy steel, hardened, ground and lapped
- Packed in wooden box

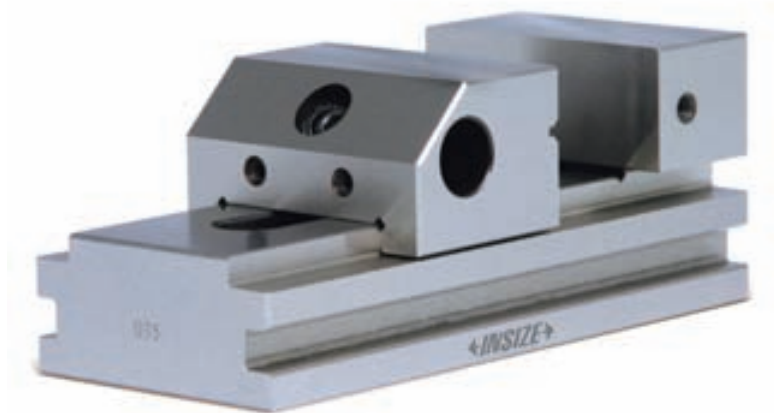
SINE VISE

Code	Roller distance (center to center)	Jaw opening	Jaw width
4152-50	100±0.005mm	65mm	50mm
4152-63	100±0.005mm	85mm	63mm
4152-73	150±0.0075mm	100mm	73mm
4152-88	150±0.0075mm	125mm	88mm
4152-100	200±0.01mm	125mm	100mm
4152-125	200±0.01mm	160mm	125mm
4152-150	200±0.01mm	175mm	150mm
4152-50E	4±0.0002"	2-9/16"	2"
4152-63E	4±0.0002"	3-3/8"	2-1/2"
4152-73E	6±0.0003"	4"	3"
4152-88E	6±0.0003"	5"	3-1/2"
4152-100E	8±0.0004"	5"	4"
4152-125E	8±0.0004"	6-15/16"	5"
4152-150E	8±0.0004"	6-7/8"	6"



- Designed for setting and checking of precision angles with gauge blocks
- Alloy steel, hardened, ground and lapped
- Packed in wooden box

PRECISION VISE



Code	Jaw opening	Jaw width	Overall length
4153-70	80mm	70mm	160mm
4153-90	115mm	90mm	210mm
4153-70E	3-5/32"	2-3/4"	6-5/16"
4153-90E	4-9/16"	3-9/16"	8-1/2"

- Alloy steel, hardened, ground and lapped
- Accuracy: 5µm/100mm (0.00005"/1")
- Packed in wooden box

PRECISION VISE



Code	Jaw opening	Jaw width	Overall length
4154-65	65mm/2.6"	50mm/2"	135mm/5.4"
4154-85	85mm/3.4"	63mm/2.5"	170mm/6.8"
4154-1001	100mm/4"	73mm/2.9"	185mm/7.4"
4154-1002	100mm/4"	80mm/3.2"	195mm/7.8"
4154-1251	125mm/5"	88mm/3.5"	230mm/9.2"
4154-1252	125mm/5"	100mm/4"	240mm/9.6"
4154-160	160mm/6.4"	125mm/5"	280mm/11.2"
4154-175	175mm/7"	150mm/6"	300mm/12"

- Alloy steel, hardened, ground and lapped
- Accuracy: 5µm/100mm (0.00005"/1")
- Packed in wooden box

**INSIDE CALIPER, OUTSIDE CALIPER
DIVIDER
MARKING GAGE
SCRIBER
PUNCH**



INSIDE CALIPER

Code	Length
7240-125	125mm/5"
7240-150	150mm/6"
7240-175	175mm/7"
7240-200	200mm/8"
7240-250	250mm/10"
7240-300	300mm/12"
7240-400	400mm/16"
7240-500	500mm/20"
7240-600	600mm/24"
7240-800	800mm/32"
7240-1000	1000mm/40"



- Made of carbon steel
- Packed in carton or plastic pouch

SPRING INSIDE CALIPER

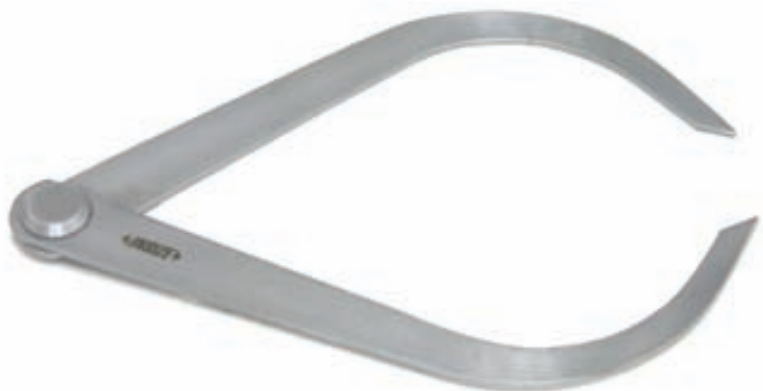
Code	Length
7249-125	125mm/5"
7249-150	150mm/6"
7249-175	175mm/7"
7249-200	200mm/8"
7249-250	250mm/10"
7249-300	300mm/12"
7249-400	400mm/16"
7249-500	500mm/20"
7249-600	600mm/24"



- Made of carbon steel
- Packed in carton or plastic pouch

OUTSIDE CALIPER

Code	Length
7241-125	125mm/5"
7241-150	150mm/6"
7241-175	175mm/7"
7241-200	200mm/8"
7241-250	250mm/10"
7241-300	300mm/12"
7241-400	400mm/16"
7241-500	500mm/20"
7241-600	600mm/24"
7241-800	800mm/32"
7241-1000	1000mm/40"



- Made of carbon steel
- Packed in carton or plastic pouch

SPRING OUTSIDE CALIPER

Code	Length
7244-125	125mm/5"
7244-150	150mm/6"
7244-175	175mm/7"
7244-200	200mm/8"
7244-250	250mm/10"
7244-300	300mm/12"
7244-400	400mm/16"
7244-500	500mm/20"
7244-600	600mm/24"



- Made of carbon steel
- Packed in carton or plastic pouch

SPRING DIVIDER

Code	Length
7250-125	125mm/5"
7250-150	150mm/6"
7250-175	175mm/7"
7250-200	200mm/8"
7250-250	250mm/10"
7250-300	300mm/12"
7250-400	400mm/16"
7250-500	500mm/20"
7250-600	600mm/24"



- Made of carbon steel
- Packed in carton or plastic pouch

DIVIDER

Code	Length
7245-125	125mm/5"
7245-150	150mm/6"
7245-175	175mm/7"
7245-200	200mm/8"
7245-250	250mm/10"
7245-300	300mm/12"
7245-400	400mm/16"
7245-500	500mm/20"
7245-600	600mm/24"
7245-800	800mm/32"
7245-1000	1000mm/40"



- Made of carbon steel
- Packed in carton or plastic pouch

DIVIDER

Code	Length
7247-125	125mm/5"
7247-150	150mm/6"
7247-175	175mm/7"
7247-200	200mm/8"
7247-250	250mm/10"
7247-300	300mm/12"
7247-400	400mm/16"
7247-500	500mm/20"
7247-600	600mm/24"
7247-800	800mm/32"
7247-1000	1000mm/40"



- With setting arc
- Made of carbon steel
- Packed in carton or plastic pouch

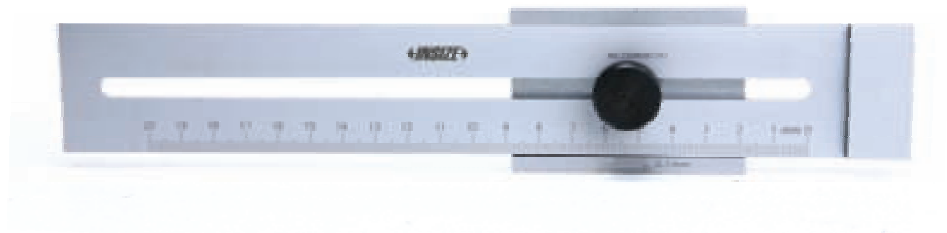
DIVIDER

Code	Length
7248-125	125mm/5"
7248-150	150mm/6"
7248-175	175mm/7"
7248-200	200mm/8"
7248-250	250mm/10"
7248-300	300mm/12"
7248-400	400mm/16"
7248-500	500mm/20"
7248-600	600mm/24"
7248-800	800mm/32"
7248-1000	1000mm/40"



- With setting arc and pencil holder
- Made of carbon steel
- Packed in carton or plastic pouch

MARKING GAGE



Code	Range
7120-200	200mm
7120-250	250mm
7120-300	300mm
7120-8	8"
7120-10	10"
7120-12	12"

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

MARKING GAGE



Code	Range
7201-150	0-150mm/0-6"
7201-200	0-200mm/0-8"
7201-250	0-250mm/0-10"
7201-300	0-300mm/0-12"

- Graduation: 0.1mm/1/128"
- Length of jaws: 40mm/1.6"
- Satin chrome finish scale
- Made of stainless steel
- Packed in wooden box

MARKING GAGE



Code	Range
7202-200	0-200mm/0-8"
7202-400	0-400mm/0-16"

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

MARKING GAGE



Code	Range
7203-500	90-500mm/3.5-20"
7203-1000	90-1000mm/3.5-40"

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

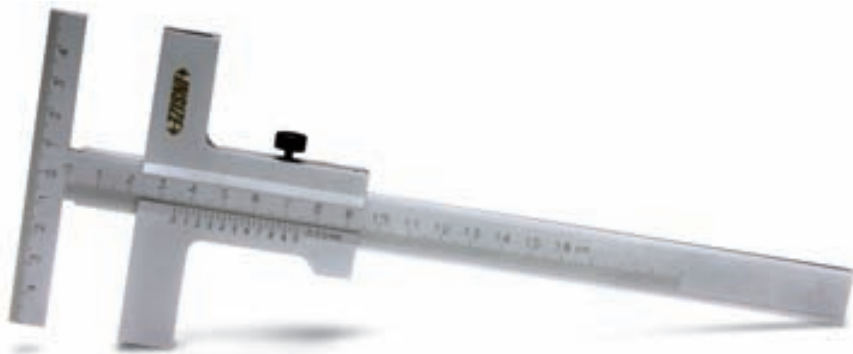
MARKING GAGE



Code	Range
7204-200	0-200mm
7204-300	0-300mm
7204-400	0-400mm
7204-500	0-500mm

- Graduation: 0.1mm
- Made of carbon steel
- Round beam, with fine adjustment
- Packed in carton

T-SHAPE MARKING GAGE



Code	Range
1275-160	0-160mm
1275-250	0-250mm
1275-300	0-300mm
1275-400	0-400mm

- Graduation: 0.05mm
- Made of hardened stainless steel, satin chrome plated reading surface
- With locking clamp
- Packed in wooden box

CENTERING MARKING GAGE



Code	Size	Workpiece diameter
7205-100	100X70mm	<90mm
7205-150	150x130mm	<190mm
7205-200	200x150mm	<220mm
7205-250	250x160mm	<230mm
7205-300	300x180mm	<280mm
7205-4	4X2.8"	<3.5"
7205-6	6x5.1"	<7.5"
7205-8	8x6"	<8.6"
7205-10	10x6.4"	<9.0"
7205-12	12x7.1"	<11.0"

- Marking the center of round plates and shafts
- With graduation on the beam
- Made of stainless steel, satin chrome plated scale
- Packed in wooden box

HEIGHT SCRIBER



Code	Length of stem
6990-175	175/100mm (6.9/3.9")
6990-230	230/300mm (9.1/11.8")
6990-300	300/455mm (11.8/17.9")

- Hardened base 84x65x27mm (3.3x2.6x1.1"), grooved bottom for cylinder, two pins for set against edge of a surface plate
- Fine adjustment
- Stem diameter 10mm/4"
- Scriber diameter 4mm/0.16"
- Packed in carton

TWO ENDS SCRIBER



Code	Length
7230	230mm/9.1"

- Hardened tips
- Knurled handle
- Nickel plated
- Packed in carton

SCRIBER



Code	Length
7231	160mm/6.3"

- Hardened tip
- Knurled handle
- Nickel plated
- Packed in carton

PEN SCRIBER



Code	Length
7232	145mm/5.7"

- With carbide tip, suitable for marking on extra hard materials
- Nickel plated
- Packed in carton

LONG DRIVE PIN PUNCH

- Made of tools steel, black oxide finish
- Harden both ends
- 5pcs set
- 8" length, drive pin section 3-1/2" long
- Packed in pouch

Code	Point size
7253	1/8", 3/6", 1/4", 5/16", 3/8"



DRIVE PIN PUNCH

- Made of tools steel, black oxide finish
- Harden both ends
- 8pcs set
- 4" length
- Packed in pouch

Code	Point size
7252	1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16"



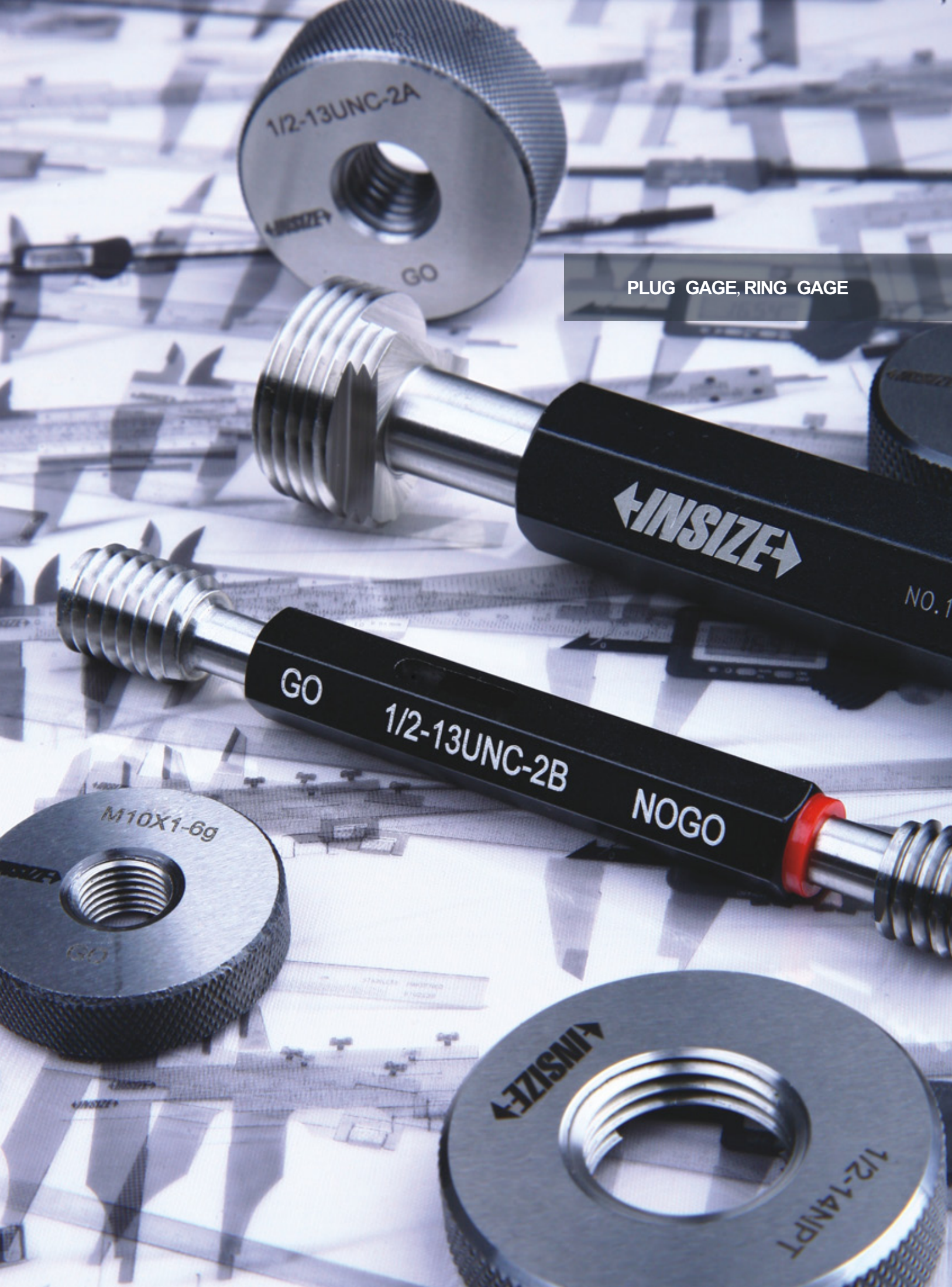
CENTER PUNCH

- Made of tools steel, black oxide finish
- Harden both ends
- 5pcs set
- 4" length, 1/16" diameter
- Packed in pouch

Code	Point size
7251	1/16", 5/64", 3/32", 9/64", 5/32"



PLUG GAGE, RING GAGE



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)
4124-1D8	1.8	4124-20	20	4124-42	42	4124-90	90
4124-2	2	4124-21	21	4124-44	44	4124-92	92
4124-2D5	2.5	4124-22	22	4124-45	45	4124-95	95
4124-3	3	4124-23	23	4124-46	46	4124-98	98
4124-3D5	3.5	4124-24	24	4124-47	47	4124-100	100
4124-4	4	4124-25	25	4124-48	48	4124-105	105
4124-4D5	4.5	4124-26	26	4124-50	50	4124-110	110
4124-5	5	4124-27	27	4124-52	52	4124-115	115
4124-6	6	4124-28	28	4124-55	55	4124-120	120
4124-7	7	4124-29	29	4124-58	58	4124-125	125
4124-8	8	4124-30	30	4124-60	60	4124-130	130
4124-9	9	4124-31	31	4124-62	62	4124-150	150
4124-10	10	4124-32	32	4124-65	65	4124-165	165
4124-11	11	4124-33	33	4124-68	68	4124-180	180
4124-12	12	4124-34	34	4124-70	70	4124-200	200
4124-13	13	4124-35	35	4124-72	72	4124-220	220
4124-14	14	4124-36	36	4124-75	75	4124-240	240
4124-15	15	4124-37	37	4124-80	80	4124-250	250
4124-16	16	4124-38	38	4124-82	82	4124-260	260
4124-17	17	4124-39	39	4124-85	85	4124-280	280
4124-18	18	4124-40	40	4124-88	88	4124-300	300
4124-19	19						

METRIC THREAD PLUG GAGE



- Accuracy grade 6H (optional grade 5H, 6G, 7H)
- Standard DIN13 or ISO1502-96
- Larger sizes are available upon request
- Non standard pitches are available upon request
- Double ends with Go and No Go
- Packed in plastic box or wooden box

Code	Size	Standard pitch (mm)
4130-1	M1.0	0.25
4130-1D1	M1.1	0.25
4130-1D2	M1.2	0.25
4130-1D4	M1.4	0.30
4130-1D6	M1.6	0.35
4130-1D8	M1.8	0.35
4130-2	M2.0	0.40
4130-2D2	M2.2	0.45
4130-2D5	M2.5	0.45
4130-3	M3.0	0.50
4130-3D5	M3.5	0.60
4130-4	M4.0	0.70
4130-5	M5.0	0.80
4130-6	M6.0	1.00
4130-8	M8.0	1.25
4130-10	M10.0	1.50
4130-12	M12.0	1.75
4130-14	M14.0	2.00
4130-16	M16.0	2.00
4130-18	M18.0	2.50
4130-20	M20.0	2.50
4130-22	M22.0	2.50
4130-24	M24.0	3.00
4130-27	M27.0	3.00
4130-30	M30.0	3.50

Code	Size	Standard pitch (mm)
4130-33	M33.0	3.50
4130-36	M36.0	4.00
4130-39	M39.0	4.00
4130-42	M42.0	4.50
4130-45	M45.0	4.50
4130-48	M48.0	5.00
4130-52	M52.0	5.00
4130-56	M56.0	5.50
4130-60	M60.0	5.50
4130-64	M64.0	6.00
4130-68	M68.0	6.00
4130-72	M72.0	6.00
4130-76	M76.0	6.00
4130-80	M80.0	6.00
4130-85	M85.0	6.00
4130-90	M90.0	6.00
4130-95	M95.0	6.00
4130-100	M100.0	6.00
4130-105	M105.0	6.00
4130-110	M110.0	6.00
4130-115	M115.0	6.00
4130-120	M120.0	6.00
4130-125	M125.0	6.00
4130-130	M130.0	6.00
4130-140	M140.0	6.00

METRIC THREAD RING GAGE

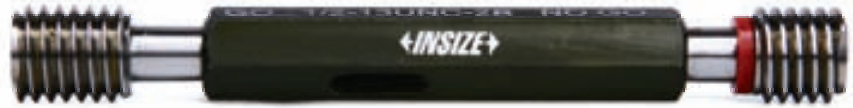


- Accuracy grade 6g (optional grade 6e, 8g)
- Standard DIN13 or ISO1502-96
- Larger sizes are available upon request
- Non standard pitches are available upon request
- Packed in plastic box or wooden box

Code	Type	Code	Type	Size	Standard pitch (mm)
4120-1	Go	4120-1N	No Go	M1.0	0.25
4120-1D1	Go	4120-1D1N	No Go	M1.1	0.25
4120-1D2	Go	4120-1D2N	No Go	M1.2	0.25
4120-1D4	Go	4120-1D4N	No Go	M1.4	0.30
4120-1D6	Go	4120-1D6N	No Go	M1.6	0.35
4120-1D8	Go	4120-1D8N	No Go	M1.8	0.35
4120-2	Go	4120-2N	No Go	M2.0	0.40
4120-2D2	Go	4120-2D2N	No Go	M2.2	0.45
4120-2D5	Go	4120-2D5N	No Go	M2.5	0.45
4120-3	Go	4120-3N	No Go	M3.0	0.50
4120-3D5	Go	4120-3D5N	No Go	M3.5	0.60
4120-4	Go	4120-4N	No Go	M4.0	0.70
4120-5	Go	4120-5N	No Go	M5.0	0.80
4120-6	Go	4120-6N	No Go	M6.0	1.00
4120-8	Go	4120-8N	No Go	M8.0	1.25
4120-10	Go	4120-10N	No Go	M10.0	1.50
4120-12	Go	4120-12N	No Go	M12.0	1.75
4120-14	Go	4120-14N	No Go	M14.0	2.00
4120-16	Go	4120-16N	No Go	M16.0	2.00
4120-18	Go	4120-18N	No Go	M18.0	2.50
4120-20	Go	4120-20N	No Go	M20.0	2.50
4120-22	Go	4120-22N	No Go	M22.0	2.50
4120-24	Go	4120-24N	No Go	M24.0	3.00
4120-27	Go	4120-27N	No Go	M27.0	3.00
4120-30	Go	4120-30N	No Go	M30.0	3.50

Code	Type	Code	Type	Size	Standard pitch (mm)
4120-33	Go	4120-33N	No Go	M33.0	3.50
4120-36	Go	4120-36N	No Go	M36.0	4.00
4120-39	Go	4120-39N	No Go	M39.0	4.00
4120-42	Go	4120-42N	No Go	M42.0	4.50
4120-45	Go	4120-45N	No Go	M45.0	4.50
4120-48	Go	4120-48N	No Go	M48.0	5.00
4120-52	Go	4120-52N	No Go	M52.0	5.00
4120-56	Go	4120-56N	No Go	M56.0	5.50
4120-60	Go	4120-60N	No Go	M60.0	5.50
4120-64	Go	4120-64N	No Go	M64.0	6.00
4120-68	Go	4120-68N	No Go	M68.0	6.00
4120-72	Go	4120-72N	No Go	M72.0	6.00
4120-76	Go	4120-76N	No Go	M76.0	6.00
4120-80	Go	4120-80N	No Go	M80.0	6.00
4120-85	Go	4120-85N	No Go	M85.0	6.00
4120-90	Go	4120-90N	No Go	M90.0	6.00
4120-95	Go	4120-95N	No Go	M95.0	6.00
4120-100	Go	4120-100N	No Go	M100.0	6.00
4120-105	Go	4120-105N	No Go	M105.0	6.00
4120-110	Go	4120-110N	No Go	M110.0	6.00
4120-115	Go	4120-115N	No Go	M115.0	6.00
4120-120	Go	4120-120N	No Go	M120.0	6.00
4120-125	Go	4120-125N	No Go	M125.0	6.00
4120-130	Go	4120-130N	No Go	M130.0	6.00
4120-140	Go	4120-140N	No Go	M140.0	6.00

INCH THREAD PLUG GAGE



- Accuracy grade 2B (optional grade 3B)
- Standard ANSI B1.2
- Larger sizes are available upon request
- Double ends with Go and No Go
- Packed in plastic box or wooden box

Code	Thread	Code	Thread
4132-02	0-80UNF	4132-1A3	1/2-28UNEF
4132-11	1-64UNC	4132-9D1	9/16-12UNC
4132-12	1-72UNF	4132-9D2	9/16-18UNF
4132-21	2-56UNC	4132-9D3	9/16-24UNEF
4132-22	2-64UNF	4132-5C1	5/8-11UNC
4132-31	3-48UNC	4132-5C2	5/8-18UNF
4132-32	3-56UNF	4132-5C3	5/8-24UNEF
4132-41	4-40UNC	4132-11D3	11/16-24UNEF
4132-42	4-48UNF	4132-3B1	3/4-10UNC
4132-51	5-40UNC	4132-3B2	3/4-16UNF
4132-52	5-44UNF	4132-3B3	3/4-20UNEF
4132-61	6-32UNC	4132-7C1	7/8-9UNC
4132-62	6-40UNF	4132-7C2	7/8-14UNF
4132-81	8-32UNC	4132-7C3	7/8-20UNEF
4132-82	8-36UNF	4132-15D3	15/16-20UNEF
4132-101	10-24UNC	4132-14	1-8UNC
4132-102	10-32UNF	4132-15	1-12UNF
4132-121	12-24UNC	4132-16	1-20UNEF
4132-122	12-28UNF	4132-1E3	1-1/16-18UNEF
4132-123	12-32UNEF	4132-1F1	1-1/8-7UNC
4132-1B1	1/4-20UNC	4132-1F2	1-1/8-12UNF
4132-1B2	1/4-28UNF	4132-1F3	1-1/8-18UNEF
4132-1B3	1/4-32UNEF	4132-3E3	1-3/16-18UNEF
4132-5D1	5/16-18UNC	4132-1G1	1-1/4-7UNC
4132-5D2	5/16-24UNF	4132-1G2	1-1/4-12UNF
4132-5D3	5/16-32UNEF	4132-1G3	1-1/4-18UNEF
4132-3C1	3/8-16UNC	4132-5E3	1-5/16-18UNEF
4132-3C2	3/8-24UNF	4132-3F1	1-3/8-6UNC
4132-3C3	3/8-32UNEF	4132-3F2	1-3/8-12UNF
4132-7D1	7/16-14UNC	4132-3F3	1-3/8-18UNEF
4132-7D2	7/16-20UNF	4132-7E3	1-7/16-18UNEF
4132-7D3	7/16-28UNEF	4132-1H1	1-1/2-6UNC
4132-1A1	1/2-13UNC	4132-1H2	1-1/2-12UNF
4132-1A2	1/2-20UNF	4132-1H3	1-1/2-18UNEF

INCH THREAD RING GAGE



- Accuracy grade 2A (optional grade 3A)
- Standard ANSI B1.2
- Larger sizes are available upon request
- Packed in plastic box or wooden box

Code	Type	Code	Type	Thread
4121-02	Go	4121-02N	No Go	0-80UNF
4121-11	Go	4121-11N	No Go	1-64UNC
4121-12	Go	4121-12N	No Go	1-72UNF
4121-21	Go	4121-21N	No Go	2-56UNC
4121-22	Go	4121-22N	No Go	2-64UNF
4121-31	Go	4121-31N	No Go	3-48UNC
4121-32	Go	4121-32N	No Go	3-56UNF
4121-41	Go	4121-41N	No Go	4-40UNC
4121-42	Go	4121-42N	No Go	4-48UNF
4121-51	Go	4121-51N	No Go	5-40UNC
4121-52	Go	4121-52N	No Go	5-44UNF
4121-61	Go	4121-61N	No Go	6-32UNC
4121-62	Go	4121-62N	No Go	6-40UNF
4121-81	Go	4121-81N	No Go	8-32UNC
4121-82	Go	4121-82N	No Go	8-36UNF
4121-101	Go	4121-101N	No Go	10-24UNC
4121-102	Go	4121-102N	No Go	10-32UNF
4121-121	Go	4121-121N	No Go	12-24UNC
4121-122	Go	4121-122N	No Go	12-28UNF
4121-123	Go	4121-123N	No Go	12-32UNEF
4121-1B1	Go	4121-1B1N	No Go	1/4-20UNC
4121-1B2	Go	4121-1B2N	No Go	1/4-28UNF
4121-1B3	Go	4121-1B3N	No Go	1/4-32UNEF

Code	Type	Code	Type	Thread
4121-5D1	Go	4121-5D1N	No Go	5/16-18UNC
4121-5D2	Go	4121-5D2N	No Go	5/16-24UNF
4121-5D3	Go	4121-5D3N	No Go	5/16-32UNEF
4121-3C1	Go	4121-3C1N	No Go	3/8-16UNC
4121-3C2	Go	4121-3C2N	No Go	3/8-24UNF
4121-3C3	Go	4121-3C3N	No Go	3/8-32UNEF
4121-7D1	Go	4121-7D1N	No Go	7/16-14UNC
4121-7D2	Go	4121-7D2N	No Go	7/16-20UNF
4121-7D3	Go	4121-7D3N	No Go	7/16-28UNEF
4121-1A1	Go	4121-1A1N	No Go	1/2-13UNC
4121-1A2	Go	4121-1A2N	No Go	1/2-20UNF
4121-1A3	Go	4121-1A3N	No Go	1/2-28UNEF
4121-9D1	Go	4121-9D1N	No Go	9/16-12UNC
4121-9D2	Go	4121-9D2N	No Go	9/16-18UNF
4121-9D3	Go	4121-9D3N	No Go	9/16-24UNEF
4121-5C1	Go	4121-5C1N	No Go	5/8-11UNC
4121-5C2	Go	4121-5C2N	No Go	5/8-18UNF
4121-5C3	Go	4121-5C3N	No Go	5/8-24UNEF
4121-11D3	Go	4121-11DN	No Go	11/16-24UNEF
4121-3B1	Go	4121-3B1N	No Go	3/4-10UNC
4121-3B2	Go	4121-3B2N	No Go	3/4-16UNF
4121-3B3	Go	4121-3B3N	No Go	3/4-20UNEF
4121-7C1	Go	4121-7C1N	No Go	7/8-9UNC
4121-7C2	Go	4121-7C2N	No Go	7/8-14UNF
4121-7C3	Go	4121-7C3N	No Go	7/8-20UNEF
4121-15D3	Go	4121-15DN	No Go	15/16-20UNEF
4121-14	Go	4121-14N	No Go	1-8UNC
4121-15	Go	4121-15N	No Go	1-12UNF
4121-16	Go	4121-16N	No Go	1-20UNEF
4121-1E3	Go	4121-1E3N	No Go	1-1/16-18UNEF
4121-1F1	Go	4121-1F1N	No Go	1-1/8-7UNC
4121-1F2	Go	4121-1F2N	No Go	1-1/8-12UNF
4121-1F3	Go	4121-1F3N	No Go	1-1/8-18UNEF
4121-3E3	Go	4121-3E3N	No Go	1-3/16-18UNEF
4121-1G1	Go	4121-1G1N	No Go	1-1/4-7UNC
4121-1G2	Go	4121-1G2N	No Go	1-1/4-12UNF
4121-1G3	Go	4121-1G3N	No Go	1-1/4-18UNEF
4121-5E3	Go	4121-5E3N	No Go	1-5/16-18UNEF
4121-3F1	Go	4121-3F1N	No Go	1-3/8-6UNC
4121-3F2	Go	4121-3F2N	No Go	1-3/8-12UNF
4121-3F3	Go	4121-3F3N	No Go	1-3/8-18UNEF
4121-7E3	Go	4121-7E3N	No Go	1-7/16-18UNEF
4121-1H1	Go	4121-1H1N	No Go	1-1/2-6UNC
4121-1H2	Go	4121-1H2N	No Go	1-1/2-12UNF
4121-1H3	Go	4121-1H3N	No Go	1-1/2-18UNEF

TAPER PIPE THREAD PLUG GAGE

Code	Thread
4122-1D27	1/16-27NPT
4122-1C27	1/8-27NPT
4122-1B18	1/4-18NPT
4122-3C18	3/8-18NPT
4122-1A14	1/2-14NPT
4122-3B14	3/4-14NPT
4122-112	1-11.5NPT
4122-1G12	1-1/4-11.5NPT
4122-1H12	1-1/2-11.5NPT
4122-218	2-18NPT
4122-1J8	2-1/2-8NPT
4122-38	3-8NPT



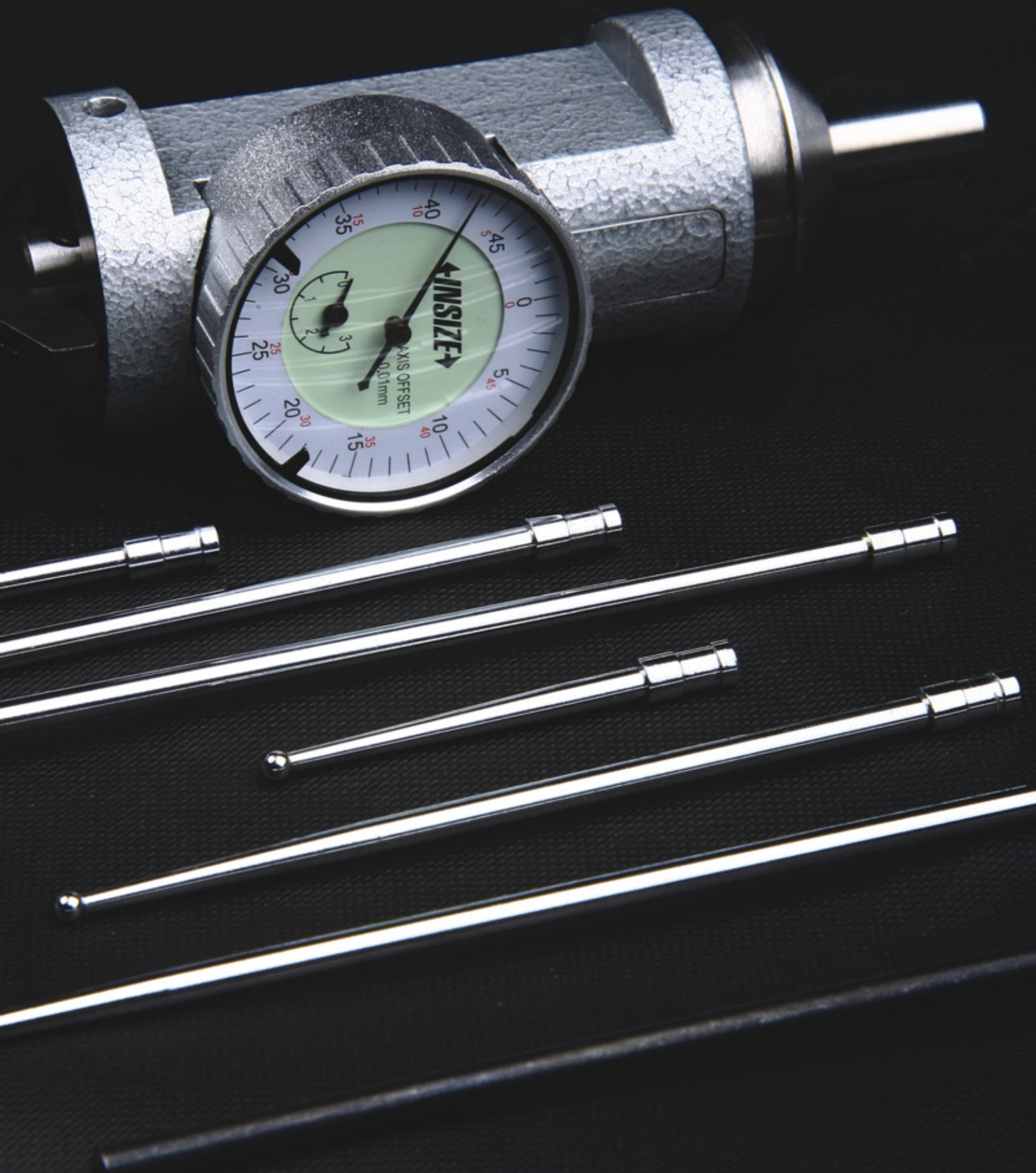
- American National Taper Pipe Thread Gages (NPT), in accordance with H-28
- Larger sizes are available upon receipt
- Packed in plastic box or wooden box

TAPER PIPE THREAD RING GAGE

Code	Thread
4123-1D27	1/16-27NPT
4123-1C27	1/8-27NPT
4123-1B18	1/4-18NPT
4123-3C18	3/8-18NPT
4123-1A14	1/2-14NPT
4123-3B14	3/4-14NPT
4123-12	1-11.5NPT
4123-1G12	1-1/4-11.5NPT
4123-1H12	1-1/2-11.5NPT
4123-218	2-18NPT
4123-1J8	2-1/2-8NPT
4123-38	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



EDGE FINDER, CENTER FINDER
ZERO SETTER
CENTERING INDICATOR
CENTERING HOLDER
HORIZONTAL AND VERTICAL SCALE
LEVEL
SURFACE ROUGHNESS COMPARATOR

ELECTRONIC EDGE FINDER



Code	Shank	Contact point
6564-1	Ø20mm	Ø10mm
6564-E1	3/4" DIA.	0.4" DIA.

- Locate round or flat workpiece easily
- Accuracy 0.01mm/0.0005"
- Features LED lights
- Batteries included
- Overall length 98mm/4"
- Packed in plastic box

EDGE FINDER



Code	Shank	Contact point
6563-1	Ø10mm	Ø4mm
6563-E1	3/8" DIA.	0.2" DIA.

- Double end
- Accuracy 0.005mm/0.0002"
- Packed in plastic box

EDGE FINDER



Code	Shank	Contact point
6562-1	Ø10mm	Ø10mm
6562-2	Ø10mm	Ø4mm
6562-E1	3/8" DIA.	0.2" DIA.

- Locating work surfaces easily
- Accuracy 0.005mm/0.0002"
- Packed in plastic box

CENTER FINDER



Code	Shank
6561-1	Ø10mm
6561-E1	3/8" DIA.

- Accuracy 0.005mm/0.0002"
- Packed in plastic box

EDGE AND CENTER FINDER



Code	Shank	Contact point for edge finder
6565-1	Ø10mm	Ø4mm
6565-E1	3/8" DIA.	0.2" DIA.

- Combined edge finder and center finder
- Accuracy 0.005mm/0.0002"
- Packed in plastic box

ELECTRONIC ZERO SETTER



Code	Height
6550-50	50mm
6550-2	2"

- LED light up when touched
- For both vertical and horizontal set
- Magnetic base
- Accuracy 0.01mm/0.0005"
- Packed in wooden box

ZERO SETTER

- For both vertical and horizontal set
- Magnetic base with on-off switch
- Packed in wooden box

Code	Height	Graduation
2394-100	100mm	0.01mm
2394-4	4"	0.001"
2394-45	4"	0.0005"



ZERO SETTER



Code	Height	Graduation
2397-502	50mm	0.01mm
2397-22	2"	0.001"
2397-25	2"	0.0005"

- For both vertical and horizontal set
- Magnetic base
- Packed in wooden box

ZERO SETTER



Code	Height	Graduation
6551-50	50mm	0.01mm
6551-21	2"	0.001"
6551-25	2"	0.0005"

- For both vertical and horizontal set
- Magnetic base
- Supplied with bar for zero set
- Packed in wooden box

CENTERING INDICATOR



- Provides quick and accurate centering in boring and milling set-up
- Operates at any angle from horizontal to vertical without any change, and from internal to external by simply changing the feeler
- Including: 3 internal feelers, 3 external feelers, 1 spring loaded feeler, 1 restraining arm
- Packed in wooden box

Code	Range	Graduation
2385-3	0-3mm	0.01mm
2385-12	0-0.15"	0.0005"

CENTERING HOLDER

- For centering of workpieces
- Hold dial test indicators
- Centering rod $\text{Ø}8 \times 40 \text{mm} / 0.3 \times 1.6''$
- Top arm length: $51 \text{mm} / 2.0''$, bottom arm length: $56 \text{mm} / 2.2''$
- Clamp hole $3/8''$ DIA. with $\text{Ø}8 \text{mm}$ sleeve
- Packed in carton

Code

6295-1



CENTERING HOLDER

- For centering of workpieces
- Hold dial indicators and dial test indicators
- With fine adjustment
- Centering rod $\text{Ø}8 \times 40 \text{mm} / 0.3 \times 1.6''$
- Top arm length: $115 \text{mm} / 4.5''$, bottom arm length: $130 \text{mm} / 5.1''$
- Clamp hole $3/8''$ DIA. with $\text{Ø}8 \text{mm}$ sleeve
- Packed in carton

Code

6294-1



ELECTRONIC DIGITAL HORIZONTAL SCALE



type A



type B readout

Code	Length	Type	Code	Length	Type
7101-100	100mm/4"	A	7101-700	700mm/28"	B
7101-150	150mm/6"	A	7101-800	800mm/32"	B
7101-200	200mm/8"	A	7101-900	900mm/36"	B
7101-300	300mm/12"	A	7101-1000	1000mm/40"	B
7101-400	400mm/16"	B	7101-1200	1200mm/48"	B
7101-500	500mm/20"	B	7101-1500	1500mm/60"	B
7101-600	600mm/24"	B	7101-2000	2000mm/80"	B

- Resolution: 0.01mm/0.0005"
- Buttons of readout type A: on/off, zero set, mm/in
- Buttons of readout type B: on/off, mm/in, zero set, ABS/INC, data preset, set data
- Data output
- With mounting brackets at both ends
- Made of stainless steel
- Packed in carton or wooden box

ELECTRONIC DIGITAL VERTICAL SCALE

Code	Length
7102-100	100mm/4"
7102-150	150mm/6"
7102-200	200mm/8"
7102-300	300mm/12"
7102-400	400mm/16"
7102-500	500mm/20"
7102-600	600mm/24"
7102-700	700mm/28"
7102-800	800mm/32"
7102-900	900mm/36"
7102-1000	1000mm/40"
7102-1200	1200mm/48"
7102-1500	1500mm/60"
7102-2000	2000mm/80"

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero set, mm/in, data set
- Data output
- With mounting brackets at both ends
- Made of stainless steel
- Packed in carton or wooden box



ELECTRONIC DIGITAL PROTRACTOR AND LEVEL



- Used as protractor and level
- Accuracy: 0.2°
- The sea level is set inside the chip, calibration is not needed forever
- 4 working surfaces, 2 surfaces have magnets
- Buttons: ON/OFF...LEVEL, ZERO
- The display flips over when the gage is upside down
- Supplied with screwdriver for the back
- 9 volt battery
- Packed in plastic box

Code	Range	Resolution
2177-2	0-360° (4x90°)	0.05°

ELECTRONIC DIGITAL PROTRACTOR AND LEVEL

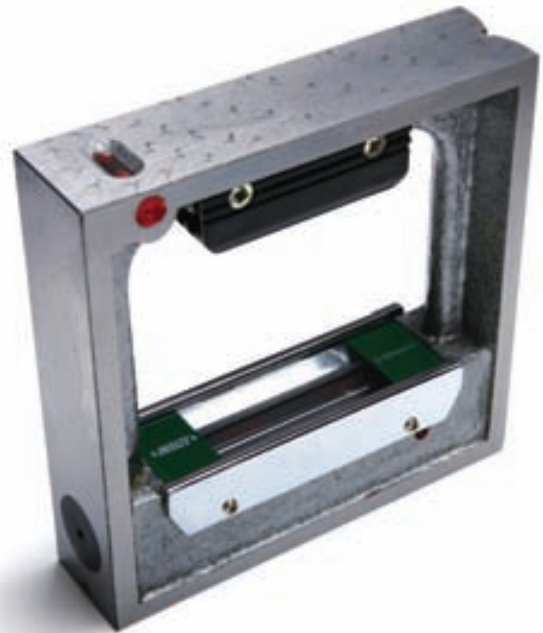


- Used as level and protractor
- Calibration on any surface
- Buttons: data hold, zero set, power on/off, level/protractor
- 4 work surfaces
- The display flips over when the level is upside down
- CR2032 battery, stainless steel frame
- Packed in leathery pouch

Code	Range	Resolution
2173-360	0-360° (4x90°)	0.1°

FRAME LEVEL

Code	Size	Graduation
4902-100	100x100mm	0.02mm/m
4902-150	150x150mm	0.02mm/m
4902-200	200x200mm	0.02mm/m
4902-250	250x250mm	0.02mm/m
4902-300	300x300mm	0.02mm/m
4902-4	4x4"	0.0002"/10"
4902-6	6x6"	0.0002"/10"
4902-8	8x8"	0.0002"/10"
4902-10	10x10"	0.0002"/10"
4902-12	12x12"	0.0002"/10"



- Checking horizontal and vertical surface and shaft
- With heat insulated handle and cross vial
- 2 prisms and 2 flat surfaces, fine ground
- Packed in wooden box

BLOCK LEVEL

Code	Size	Graduation
4901-150	150mm	0.02mm/m
4901-200	200mm	0.02mm/m
4901-250	250mm	0.02mm/m
4901-300	300mm	0.02mm/m
4901-6	6"	0.0002"/10"
4901-8	8"	0.0002"/10"
4901-10	10"	0.0002"/10"
4901-12	12"	0.0002"/10"



- Checking horizontal surface and shaft
- Heat insulated grip
- Prism bottom, fine ground
- With cross vial
- Packed in wooden box

BLOCK LEVEL



Code	Size	Graduation
4903-150	150mm	0.02mm/m
4903-6	6"	0.0002"/10"

- Checking horizontal surface and shaft
- Fine ground prism bottom
- With cross vial
- Packed in wooden box

SURFACE ROUGHNESS COMPARATOR

Code
4131

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



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



MEASURING TOOL SET

2 Piece Measuring
Tool Set
IS15002-5

2 Piece Measuring
Tool Set
IS15002-1

2-PIECE MEASURING TOOL SET



Code
5002-1
5002-1E

- **5002-1** includes:
 - 1) Vernier caliper, range 0-150mm/0-6", graduation 0.05mm/1/128", code 1205-150
 - 2) Outside micrometer, range 0-25mm, graduation 0.01mm, code 3202-25
- **5002-1E** includes:
 - 1) Vernier caliper, range 0-150mm/0-6", graduation 0.05mm/1/128", code 1205-150
 - 2) Outside micrometer, range 0-1", graduation 0.0001", code 3202-1
- Packed in blow mould case

2-PIECE MEASURING TOOL SET



Code
5002-2

- Includes:
 - 1) Electronic digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005", code 1112-150
 - 2) Electronic outside micrometer, range 0-25mm/0-1", resolution 0.001mm/0.00005", code 3109-25
- Packed in blow mould case

2-PIECE MEASURING TOOL SET

Code
5002-3
5002-31
5002-3E

- **5002-3** includes:
 - 1) Dial test indicator, range 0-0.8mm, graduation 0.01mm, code 2380-08
 - 2) Mini magnetic stand, magnetic force 30kgf
- **5002-31** includes:
 - 1) Dial test indicator, range 0-0.2mm, graduation 0.002mm, code 2380-02
 - 2) Mini magnetic stand, magnetic force 30kgf
- **5002-3E** includes:
 - 1) Dial test indicator, range 0-0.03", graduation 0.001", code 2380-31
 - 2) Mini magnetic stand, magnetic force 66lbf
- Packed in blow mould case



2-PIECE MEASURING TOOL SET

Code
5002-4
5002-4D
5002-4E

- **5002-4** includes:
 - 1) Dial indicator, range 0-10mm, graduation 0.01mm, code 2308-10
 - 2) Magnetic stand, magnetic force 60kgf, code 6201-60
- **5002-4D** includes:
 - 1) Electronic digital indicator, range 0-10mm/0-0.5", resolution: 0.005mm/0.0005"
 - 2) Magnetic stand, magnetic force 60kgf, code 6201-60
- **5002-4E** includes:
 - 1) Dial indicator, range 0-1", graduation 0.001", code 2307-1
 - 2) Magnetic stand, magnetic force 132lbf, code 6201-60
- Packed in blow mould case



2-PIECE MEASURING TOOL SET

- **5002-5** includes:
 - 1) Dial indicator, range 0-10mm, graduation 0.01mm, code 2308-10
 - 2) Magnetic stand for uneven surface, code 6215-60
- **5002-5D** includes:
 - 1) Electronic digital indicator, range 0-10mm/0-0.5", resolution: 0.005mm/0.0005"
 - 2) Magnetic stand for uneven surface, code 6215-60
- **5002-5E** includes:
 - 1) Dial indicator, range 0-1", graduation 0.001", code 2307-1
 - 2) Magnetic stand for uneven surface, code 6215-60
- Packed in blow mould case

Code
5002-5
5002-5D
5002-5E



2-PIECE MEASURING TOOL SET

- **5002-6** includes:
 - 1) Dial indicator, range 0-10mm, graduation 0.01mm, code 2308-10
 - 2) Small magnetic stand, magnetic force 25kgf, code 6213-25
- **5002-6D** includes:
 - 1) Electronic digital indicator, range 0-10mm/0-0.5", resolution: 0.005mm/0.0005"
 - 2) Small magnetic stand, magnetic force 25kgf, code 6213-25
- **5002-6E** includes:
 - 1) Dial indicator, range 0-1", graduation 0.001", code 2307-1
 - 2) Small magnetic stand, magnetic force 55lbf, code 6213-25
- Packed in blow mould case

Code
5002-6
5002-6D
5002-6E



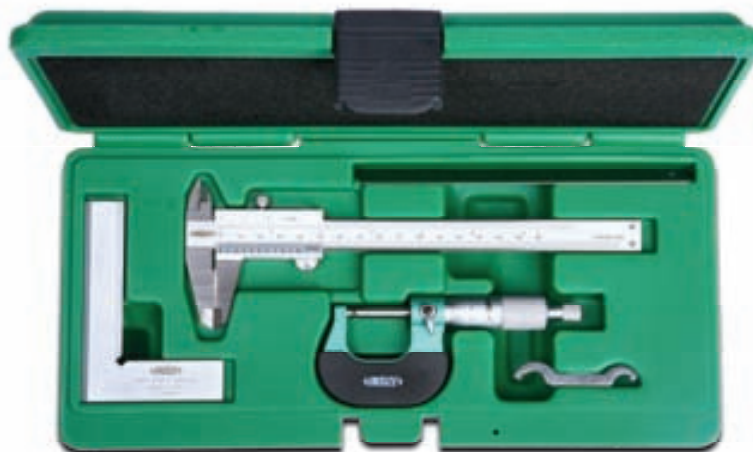
3-PIECE MEASURING TOOL SET

Code
5003-1
5003-11
5003-1E



- **5003-1** includes:
 - 1) Dial caliper, range 0-6", graduation 0.001", code 1311-6
 - 2) Outside micrometer, range 0-1", graduation 0.0001", code 3202-1
 - 3) Rule, 0-150mm/0-6", code 7110-150
- **5003-11** includes:
 - 1) Electronic digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005", code 1112-150
 - 2) Outside micrometer, range 0-25mm, graduation 0.01mm, code 3202-25
 - 3) Rule, 0-150mm/0-6", code 7110-150
- **5003-1E** includes:
 - 1) Electronic digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005", code 1112-150
 - 2) Outside micrometer, range 0-1", graduation 0.0001", code 3202-1
 - 3) Rule, 0-150mm/0-6", code 7110-150
- Packed in blow mould case

4-PIECE MEASURING TOOL SET



Code
5004-1
5004-1E

- **5004-1** includes:
 - 1) Vernier caliper, range 0-150mm/0-6", graduation 0.05mm/1/128", code 1205-150
 - 2) Outside micrometer, range 0-25mm, graduation 0.01mm, code 3202-25
 - 3) 90° beveled edge square, 100x70mm, code 4790-1000
 - 4) Rule, 0-150mm/0-6", code 7110-150
- **5004-1E** includes:
 - 1) Vernier caliper, range 0-150mm/0-6", graduation 0.05mm/1/128", code 1205-150
 - 2) Outside micrometer, range 0-1", graduation 0.0001", code 3202-1
 - 3) 90° beveled edge square, 4x2.75", code 4790-0E4
 - 4) Rule, 0-150mm/0-6", code 7110-150
- Packed in blow mould case

4-PIECE MEASURING TOOL SET

■ **5004-2** includes:

- 1) Electronic digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005", code 1112-150
- 2) Outside micrometer, range 0-25mm, graduation 0.01mm, code 3202-25
- 3) 90° beveled edge square, 100x70mm, code 4790-1000
- 4) Rule, 0-150mm/0-6", code 7110-150

■ **5004-2E** includes:

- 1) Electronic digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005", code 1112-150
- 2) Outside micrometer, range 0-1", graduation 0.0001", code 3202-1
- 3) 90° beveled edge square, 4x2.75", code 4790-0E4
- 4) Rule, 0-150mm/0-6", code 7110-150

■ Packed in blow mould case



Code
5004-2
5004-2E

6-PIECE MEASURING TOOL SET

■ **5006-1** includes:

- 1) Electronic digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005", code 1112-150
- 2) Outside micrometer, range 0-25mm, graduation 0.01mm, code 3202-25
- 3) Dial indicator, range 0-10mm, graduation 0.01mm, code 2308-10F
- 4) 90° beveled edge square, 100x70mm, code 4790-1000
- 5) Two ends scribe, length 230mm/9.1", code 7230
- 6) Rule, 0-150mm/0-6", code 7110-150

■ **5006-1E** includes:

- 1) Electronic digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005", code 1112-150
- 2) Outside micrometer, range 0-1", graduation 0.0001", code 3202-1
- 3) Dial indicator, range 0-1", graduation 0.001", code 2307-1F
- 4) 90° beveled edge square, 4x2.75", code 4790-0E4
- 5) Two ends scribe, length 230mm/9.1", code 7230
- 6) Rule, 0-150mm/0-6", code 7110-150

■ **5006-1E1** includes:

- 1) Dial caliper, range 0-6", graduation 0.001", code 1311-6
- 2) Outside micrometer, range 0-1", graduation 0.0001", code 3202-1
- 3) Dial indicator, range 0-1", graduation 0.001", code 2307-1F
- 4) 90° beveled edge square, 4x2.75", code 4790-0E4
- 5) Two ends scribe, length 230mm/9.1", code 7230
- 6) Rule, 0-150mm/0-6", code 7110-150

■ Packed in blow mould case



Code
5006-1
5006-1E
5006-1E1

7-PIECE MEASURING TOOL SET



Code
5007-1
5007-1E
5007-1E1

■ **5007-1** includes:

- 1) Electronic digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005", code 1112-150
- 2) Outside micrometer, range 0-25mm, graduation 0.01mm, code 3203-25
- 3) Dial indicator, range 0-10mm, graduation 0.01mm, code 2308-10
- 4) Magnetic stand, magnetic force 60kgf, code 6201-60
- 5) Micrometer stand, code 6300
- 6) Depth base attachment, code 6140
- 7) Zero setting bar

■ **5007-1E** includes:

- 1) Electronic digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005", code 1112-150
- 2) Outside micrometer, range 0-1", graduation 0.0001", code 3203-1
- 3) Dial indicator, range 0-1", graduation 0.001", code 2307-1
- 4) Magnetic stand, magnetic force 132lbf, code 6201-60
- 5) Micrometer stand, code 6300
- 6) Depth base attachment, code 6140
- 7) Zero setting bar

■ **5007-1E1** includes:

- 1) Dial caliper, range 0-6", graduation 0.001", code 1311-6
- 2) Outside micrometer, range 0-1", graduation 0.0001", code 3203-1
- 3) Dial indicator, range 0-1", graduation 0.001", code 2307-1
- 4) Magnetic stand, magnetic force 132lbf, code 6201-60
- 5) Micrometer stand, code 6300
- 6) Depth base attachment, code 6140
- 7) Zero setting bar

■ Packed in blow mould case

7-PIECE MEASURING TOOL SET

■ Includes:

- 1) Electronic digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005", code 1112-150
 - 2) Electronic outside micrometer, range 0-25mm/0-1", resolution 0.001mm/0.00005", code 3109-25
 - 3) Electronic digital indicator, range 0-10mm/0-0.5", resolution: 0.005mm/0.0005"
 - 4) Magnetic stand, magnetic force 60kgf, code 6201-60
 - 5) Micrometer stand, code 6300
 - 6) Depth base attachment, code 6140
 - 7) Zero setting bar
- Packed in blow mould case

Code

5007-2



9-PIECE MEASURING TOOL SET

■ 5009-1 includes:

- 1) Electronic digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005", code 1112-150
- 2) Outside micrometer, range 0-25mm, graduation 0.01mm, code 3202-25
- 3) Protractor, range 0-180°, graduation 1°, code 4799-180
- 4) Pitch gage, range 0.25-7mm, 24pcs, metric 60° thread, code 4820-124
- 5) Radius gage, range 1-7mm, 17 concave blades and 17 convex blades, code 4801-17
- 6) Feeler gage, range 0.05-1.00mm, 20pcs, code 4602-20
- 7) 90° beveled edge square, 100x70mm, code 4790-1000
- 8) Two ends scriber, length 230mm/9.1", code 7230
- 9) Rule, 0-150mm/0-6", code 7110-150

■ 5009-1E includes:

- 1) Electronic digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005", code 1112-150
- 2) Outside micrometer, range 0-1", graduation 0.0001", code 3202-1
- 3) Protractor, range 0-180°, graduation 1°, code 4799-180
- 4) Pitch gage, range 4-42TPI, 30pcs, UNIFIED 60° thread, code 4820-230
- 5) Radius gage, range 1/32-1/4", 15 concave blades and 15 convex blades, code 4801-15E
- 6) Inch feeler gage, range 0.0015-0.025", 26pcs, code 4612-26
- 7) 90° beveled edge square, 4x2.75", code 4790-0E4
- 8) Two ends scriber, length 230mm/9.1", code 7230
- 9) Rule, 0-150mm/0-6", code 7110-150

■ Packed in blow mould case

Code

5009-1

5009-1E



13-PIECE MEASURING TOOL SET



Code
5013-1
5013-1E

■ **5013-1** includes:

- 1) Electronic digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005", code 1112-150
- 2) Outside micrometer, range 0-25mm, graduation 0.01mm, code 3202-25
- 3) Dial indicator, range 0-10mm, graduation 0.01mm, code 2308-10
- 4) Magnetic stand, magnetic force 60kgf, code 6201-60
- 5) Protractor, range 0-180°, graduation 1°, code 4799-180
- 6) Pitch gage, range 0.25-7mm, 24pcs, metric 60° thread, code 4820-124
- 7) Radius gage, range 1-7mm, 17 concave blades and 17 convex blades, code 4801-17
- 8) Feeler gage, range 0.05-1.00mm, 20pcs, code 4602-20
- 9) 90° beveled edge square, 100x70mm, code 4790-1000
- 10) Two ends scribe, length 230mm/9.1", code 7230
- 11) Depth base attachment, code 6140
- 12) Zero setting bar
- 13) Rule, 0-150mm/0-6", code 7110-150

■ **5013-1E** includes:

- 1) Electronic digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005", code 1112-150
- 2) Outside micrometer, range 0-1", graduation 0.0001", code 3202-1
- 3) Dial indicator, range 0-1", graduation 0.001", code 2307-1
- 4) Magnetic stand, magnetic force 132lbf, code 6201-60
- 5) Protractor, range 0-180°, graduation 1°, code 4799-180
- 6) Pitch gage, range 4-42TPI, 30pcs, UNIFIED 60° thread, code 4820-230
- 7) Radius gage, range 1/32-1/4", 15 concave blades and 15 convex blades, code 4801-15E
- 8) Inch feeler gage, range 0.0015-0.025", 26pcs, code 4612-26
- 9) 90° beveled edge square, 4x2.75", code 4790-0E4
- 10) Two ends scribe, length 230mm/9.1", code 7230
- 11) Depth base attachment, code 6140
- 12) Zero setting bar
- 13) Rule, 0-150mm/0-6", code 7110-150

■ Packed in blow mould case



ELECTRONIC DIGITAL DISC BRAKE GAGE

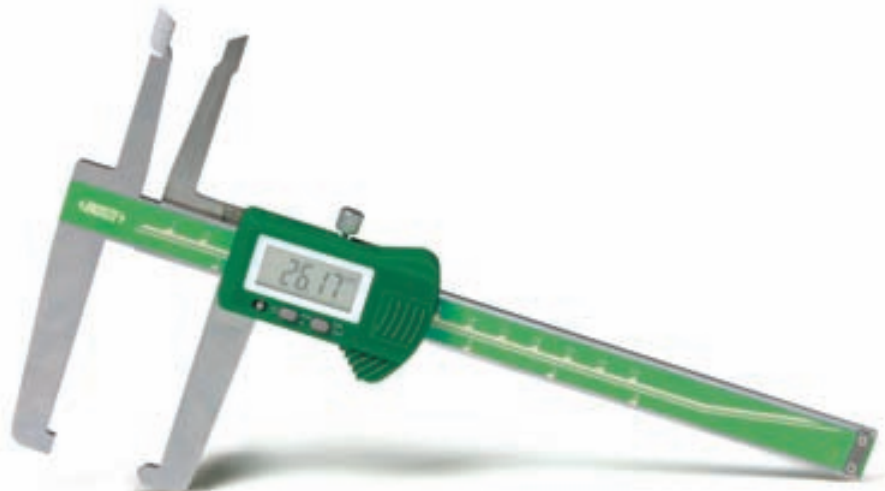


Code

1162-125

- To measure the thickness of disc brake
- With depth measuring rod
- Range 0-125mm/0-5", resolution 0.01mm/0.0005"
- Measuring depth 91mm/3.6"
- With one pointed anvil and one flat anvil
- Buttons: zero, on/off, inch/mm
- Battery SR44, with one spare battery
- Hardened stainless steel construction
- Data output
- Packed in blow mould case

ELECTRONIC DIGITAL DISC BRAKE GAGE



Code

8102

- To check the thickness of disc brake
- With internal measuring jaws
- Range 0-150mm/0-6", resolution 0.01mm/0.0005"
- Measuring depth 64mm/2.5" of lower jaws
- Buttons: zero, on/off, inch/mm
- Battery SR44, with one spare battery
- Hardened stainless steel construction
- Data output
- Packed in blow mould case

ELECTRONIC DIGITAL DISC AND DRUM BRAKE GAGE



Code

8103

- Lower jaws to check the thickness of disc brake, measuring depth 61 mm/2.4"
- Upper jaws to check the diameter of drum brake, measuring depth 46 mm/1.8"
- Range 0-300 mm/0-12", resolution 0.01 mm/0.0005"
- Buttons: zero, on/off, inch/mm
- Battery SR44, with one spare battery
- Hardened stainless steel construction
- Data output
- Packed in blow mould case

ELECTRONIC DIGITAL DISC AND DRUM BRAKE GAGE



Code

8104

- Patented
- Upper jaws to check the thickness of disc brake, measuring depth 64 mm/2.5"
- Lower jaws to check the diameter of drum brake, measuring depth 25.4 mm/1"
- Wide shoulders to rest on edge of drum to ensure accurate measurement
- Range 0-350 mm/0-13.9", resolution 0.01 mm/0.0005"
- Buttons: zero, on/off, inch/mm
- Battery SR44, with one spare battery
- Hardened stainless steel construction
- Data output
- Packed in blow mould case

DISC BRAKE VERNIER CALIPER



Code	Range	Measuring depth
1272-60	0-60mm	55mm
1272-601	0-60mm	80mm
1272-90	0-90mm	120mm

- Graduation: 0.1mm
- For disk brake thickness
- Made of stainless steel, satin chrome plated reading surface
- Packed in plastic box or wooden box

ELECTRONIC DRUM BRAKE CALIPER



Code	Range	Measuring depth
1190-300	20-300mm/0.8-12"	85mm/3.3"
1190-425	20-425mm/0.8-16.7"	110mm/4.3"
1190-500	20-500mm/0.8-20"	115mm/4.5"

- Resolution: 0.01mm/0.0005"
- Measure drum brake wear
- Moving pins to adjust measuring depth
- Supplied with calibration block
- Battery SR44, with one spare battery
- Hardened stainless steel construction
- Data output
- Packed in wooden box

DRUM BRAKE GAGE



Code
1191

- To check the diameter of drum brake
- Range 150-560mm/6-22", graduation 1mm and 1/32"
- Hardened and pointed tips
- Stainless steel construction, satin chrome plated scale
- Packed in blow mould case

DISC BRAKE MICROMETER



Code	Range
3288-33	7.6-33mm
3288-50	25-50mm
Code	Range
3288-1	0.3-1.3"
3288-2	1-2"

- Graduation: metric 0.01mm
inch 0.0001"
- 88mm/3.5" depth throat
- Anvil with pointed tip 60°, flat spindle tip
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box

ELECTRONIC DISC BRAKE MICROMETER



3588



3188

Code	Range
3588-33	7.6-33mm/0.3-1.3"
3588-50	25-50mm/1-2"
Code	Range
3188-33	7.6-33mm/0.3-1.3"
3188-50	25-50mm/1-2"

- Resolution: 0.001mm/0.00005"
- 88mm/3.5" depth throat
- Anvil with pointed tip 60°, flat spindle tip
- Buttons: on/off, data set, inch/mm, ABS/INC, data output
- RS232 output
- IP54 protection
- SR44 battery, with one spare battery, auto power off
- Carbide tips
- Supplied with standard rods
- Packed in plastic box

TYRE THREAD DEPTH GAGE



Code	Range	Base length
1244-30	0-30mm	55mm
1244-30E	0-1.2"	2.2"

- Graduation: metric: 0.1mm
inch: 1/128"
- To measure the depth of tyre thread
- Made of stainless steel
- Packed in pouch

ELECTRONIC DIGITAL TYRE THREAD DEPTH GAGE



Code	Range	Base length
1145-25	0-25mm/0-1"	65mm/2.6"

- Resolution 0.01mm/0.0005"
- Buttons: zero, on/off, inch/mm
- Supplied with zero set surface
- Battery SR44, with one spare battery
- Hardened stainless steel construction
- Data output
- Packed in plastic box

ELECTRONIC DIGITAL DISC BRAKE RUNOUT GAGE



- Check disk brake runout and ball joint wear
- Flex arm, total length 300mm/12"
- Locking pliers, length 180mm/7.1", adjustable jaw opening from 0 to 25mm/1"
- Packed in blow mould case

Code	Indicator
8106	electronic digital indicator, range 0-10mm/0-0.5", resolution: 0.005mm/0.0005"
8106-E	dial indicator, range 0-1", graduation 0.001", code 2307-1
8106-1	dial indicator, range 0-10mm, graduation 0.01mm, code 2308-10

UNIVERSAL DIAL INDICATOR SET



- Back plunger type dial indicator
- With lever tip
- With additional large tip and long tip
- Packed in blow mould case

Code	Dial indicator range	Graduation
8301	0-0.15"	0.001"
8301-E	0-3mm	0.01mm

CYLINDER BORE GAGE



Code	Dial indicator range	Graduation
8302	0-6mm	0.01mm
8302-E	0-0.25"	0.0005"

- Check cylinder diameter, taper and out-of-round
- Measuring range from 55mm/2.1" up to 180mm/7"
- Supplied with 6 tips of different length and 4 extension rods
- With handle
- Packed in blow mould case

ELECTRONIC DIGITAL CYLINDER BORE GAGE



Code	Range
2122-160	50-160mm
2123-6	2-6"

- Digital indicator: range 0-10mm/0-0.5", resolution 0.002mm/0.00005" rotary display in digit and analog, auto power off
- Ceramic tips
- Insert type anvils
- With spare battery
- Packed in blow mould case

NUMERICAL INDEX

SERIES DESCRIPTION	PAGE
11	
1101 High Accuracy Coolant Proof Electronic Caliper	6
1102 Fraction Reading Coolant Proof Electronic Caliper	6
1106 Electronic Caliper	12
1107 Large Display Electronic Caliper	8
1110 Electronic Caliper With Carbide Tipped Jaws	11
1111 Mini Electronic Caliper	10
1112 Electronic Caliper	7
1114 Electronic Caliper	8
1116 Electronic Caliper	9
1117 Electronic Caliper	13
1118 Coolant Proof Electronic Caliper	9
1120 Electronic Inside Groove Caliper	30
1121 Electronic Inside Caliper With Pin Tips	31
1122 Electronic Caliper With Hook Tips	38
1123 Electronic Inside Caliper With Beveled Tips	34
1131 Electronic Caliper	12
1132 Electronic Caliper	13
1133 Electronic Caliper	14
1134 Solar Energy Electronic Caliper	10
1136 Electronic Caliper	14
1137 High Accuracy Electronic Caliper	7
1139 Plastic Electronic Caliper	11
1141 Electronic Depth Caliper	43
1142 Electronic Depth Caliper With Hook	43
1144 Electronic Depth Caliper With Two Hooks	44
1145 Electronic Digital Type Thread Depth Gage	283
1150 Electronic Height Gage	49
1151 Multi-Beam Electronic Height Gage	49
1153 Two-Beam Electronic Height Gage	50
1161 Electronic Tube Caliper	27
1162 Electronic Digital Disc Brake Gage	278
1163 Electronic Thickness Caliper	176
1173 Electronic V-Anvil Caliper	41
1174 Electronic V-Anvil Caliper	41
1181 Electronic Gear Tooth Caliper	40
1182 Electronic Offset Centerline Caliper	35
1183 Electronic Caliper With Pointed Jaws	32
1184 Electronic Caliper With One Direction Upper Jaws	37
1185 Electronic Outside Caliper With Pin Tips	29
1186 Electronic Offset Caliper	36
1187 Electronic Outside Groove Caliper	28
1188 Electronic Blade Caliper	33
1189 Electronic Arc Radius Caliper	39
1190 Electronic Drum Brake Caliper	280
1191 Drum Brake Gage	281
12	
1200 Vernier Caliper	18
1204 Mini Vernier Caliper	15
1205 Vernier Caliper	15
1206 Vernier Caliper	16

SERIES DESCRIPTION	PAGE
1207 Vernier Caliper	22
1208 Vernier Caliper	21
1211 Vernier Caliper	23
1212 No Parallax Vernier Caliper	19
1214 Vernier Caliper	23
1215 Vernier Caliper	24
1217 Vernier Caliper	19
1218 Parallax Free Vernier Caliper	23
1222 Vernier Caliper	16
1223 Vernier Caliper	17
1225 Vernier Caliper	17
1231 Vernier Caliper	21
1233 Vernier Caliper	18
1236 Vernier Caliper	22
1238 Vernier Caliper With Carbide Tipped Jaws	20
1239 Left Hand Vernier Caliper	20
1240 Depth Caliper	45
1241 Depth Caliper With Hook	45
1242 Depth Caliper With Needle Tip	46
1244 Mini Depth Caliper	48
1244 Type Thread Depth Gage	283
1246 Depth Caliper With Two Hooks	46
1247 Depth Caliper	47
1248 Depth Caliper With Hook	47
1250 Height Gage With Adjustable Scale	51
1261 Tube Vernier Caliper	27
1262 Inside Groove Vernier Caliper	30
1263 Inside Vernier Caliper With Pin Tips	31
1264 Inside Vernier Caliper With Beveled Tips	34
1265 Vernier Caliper With Hook Tips	38
1272 Disc Brake Vernier Caliper	280
1273 V-Anvil Vernier Caliper	41
1274 V-Anvil Vernier Caliper	41
1275 T-Shape Marking Gage	243
1281 Gear Tooth Vernier Caliper	40
1282 Offset Centerline Vernier Caliper	35
1283 Vernier Caliper With Pointed Jaws	32
1284 Vernier Caliper With One Direction Upper Jaws	37
1285 Outside Vernier Caliper With Pin Tips	29
1286 Offset Vernier Caliper	36
1287 Outside Groove Vernier Caliper	28
1288 Blade Vernier Caliper	33
1289 Arc Radius Vernier Caliper	39
13	
1311 Dial Caliper	24
1312 Dial Caliper	24
1313 Dual Reading Dial Caliper	26
1314 Dial Caliper	25
1348 Dial Depth Caliper	44
1350 Dial Height Gage	51
1351 Multi-Beam Dial Height Gage	50
1381 Fraction Reading Dial Caliper	25
1383 Large Dial Caliper	26

NUMERICAL INDEX

SERIES DESCRIPTION		PAGE
21		
2101	Electronic Digital Indicator	120
2102	Electronic Digital Indicator	120
2105	Precision Electronic Digital Indicator	121
2106	Electronic Digital Indicator For Bore Gage	122
2107	Long Range Electronic Digital Indicator	121
2121	Electronic Digital Inside Caliper Gage	167
2122	Electronic Digital Bore Gage	158
2122	Electronic Digital Bore Gage Set	159
2122	Electronic Digital Cylinder Bore Gage	285
2123	Electronic Digital Bore Gage	158
2123	Electronic Digital Bore Gage Set	159
2123	Electronic Digital Cylinder Bore Gage	285
2124	Pistol Grip Three Points Bore Gage	161
2131	Electronic Digital Outside Caliper Gage	167
2141	Electronic Indicator Depth Gauge	177
2163	Electronic Digital Thickness Gage	175
2164	Electronic Digital 3-Purpose Gage	176
2166	Electronic Digital Thickness Gage	175
2172	Electronic Digital Protractor	190
2173	Electronic Digital Protractor And Level	263
2174	Electronic Combination Square	192
2175	Electronic Digital Protractor And Level	263
2181	Electronic Digital Test Indicator	138
2183	Electronic Digital Radius Gage	178
2184	Electronic Digital Snap Gage	162
2185	Electronic Digital Snap Gage	162
2192	Sphere Radius Gage	178
22		
2222	Inside Dial Caliper Gage	164
2277	Double Square	192
2278	Combination Square Set	191
2279	Combination Square Set	191
23		
2303	Precision Dial Comparator	132
2304	Inch Dial Indicator	127
2305	Precision Dial Comparator	131
2306	Dial Comparator	131
2307	Inch Dial Indicator	128
2308	Metric Dial Indicator	123
2309	Metric Dial Indicator	124
2310	Metric Dial Indicator	123
2311	Metric Dial Indicator	122
2312	Inch Dial Indicator	128
2313	Metric Precision Dial Indicator	125
2314	Metric Shock Proof Dial Indicator	124
2315	Inch Precision Dial Indicator	129
2317	Inch Dial Indicator	130
2318	Metric Dial Indicator	126

SERIES DESCRIPTION		PAGE
2319	Metric Dial Indicator	126
2321	Inside Dial Caliper Gage	166
2322	Dial Bore Gage	154
2322	Dial Bore Gage Set	159
2323	Dial Bore Gage	154
2323	Dial Bore Gage Set	159
2324	Water Proof Dial Indicator	125
2325	Dual Graduation Dial Indicator	130
2326	Inch Dial Indicator	129
2328	Metric Double Face Dial Indicator	127
2332	Outside Dial Caliper Gage	166
2333	Outside Dial Caliper Gage	165
2336	Electronic Digital Snap Gage	163
2341	Dial Depth Gauge	177
2360	Precision Thickness Gage	171
2361	Thickness Gage	168
2362	Thickness Gage with Constant Pressure	174
2363	Thickness Gage	168
2365	Thickness Gage	170
2366	Thickness Gage	170
2367	Thickness Gage	173
2368	Thickness Gage with Rolling Wheel	174
2369	Thickness Gage	171
2372	Protractor	189
2373	Dial Protractor	190
2374	Protractor	189
2380	Dial Test Indicator	138
2381	Dial Test Indicator	138
2382	Long Probe Dial Test Indicator	139
2383	Long Probe Dial Test Indicator	139
2384	Precision Dial Test Indicator	140
2385	Centering Indicator	260
2386	Large Range Dial Test Indicator	140
2387	Dual Graduation Dial Test Indicator	139
2388	Precision Dial Test Indicator	140
2392	Sphere Radius Gage	178
2393	Measuring Bench	163
2394	Zero Setter	259
2395	Bore Gage Zero Setter	160
2396	Gage Calibration Instrument	132
2397	Zero Setter	259
28		
2820	Dial Bore Gage	160
2821	Long Depth Dial Bore Gage	157
2822	Long Depth Dial Bore Gage	157
2823	Dial Bore Gage	155
2825	Precision Dial Bore Gage	156
2826	Precision Dial Bore Gage	156
2861	Thickness Gage	169
2862	Thickness Gage	172
2863	Thickness Gage	172
2865	Thickness Gage with Pointed Tips	173
2866	Thickness Gage with Pointed Tips	172

NUMERICAL INDEX

SERIES DESCRIPTION	PAGE
2867 Electronic Digital Thickness Gage	169
31	
3100 Electronic Outside Micrometer	54
3101 Electronic Outside Micrometer	55
3103 Electronic Outside Micrometer	56
3104 Double Display Electronic Outside Micrometer	54
3106 Electronic Outside Micrometer With Interchangeable Anvils	65
3108 Electronic Outside Micrometer	55
3109 Electronic Outside Micrometer	56
3120 Electronic Inside Micrometer	94
3127 Electronic Three Points Inside Micrometer	102-104
3128 Electronic Wide Range Three Points Inside Micrometer	105
3130 Electronic Point Micrometer	68
3132 Electronic Blade Micrometer	67
3133 Electronic Small Tip Micrometer	69
3134 Electronic Large Anvil Micrometer	72
3138 Electronic Caliper Type Micrometer	79
3139 Electronic Deep Throat Outside Micrometer	66
3140 Electronic Depth Micrometer	93
3160 Electronic Spherical Tip Micrometer	73
3161 Electronic Tube Micrometer	74
3162 Electronic Uni-Micrometer	75
3166 Electronic Single Point Micrometer	70
3180 Electronic Universal Micrometer	80
3181 Electronic Screw Thread Micrometer	83
3183 Electronic Jaw Type Micrometer	71
3188 Electronic Disc Brake Micrometer	282
3190 Electronic V-Anvil Micrometer	85
3191 Electronic Gear Micrometer	81
3194 Non Rotation Spindle Electronic Disk Micrometer	77
3196 Electronic Micrometer With Dial Indicator	91
3197 Electronic Gear Root Diameter Micrometer	76
32	
3200 Mini Outside Micrometer	61
3200 Outside Micrometer	58
3202 Outside Micrometer	58
3203 Outside Micrometer	59
3205 Outside Micrometer with Adjustable Anvil	63
3206 Outside Micrometer with Interchangeable Anvils	63
3207 No-Parallax Outside Micrometer	60
3208 Quick Feeding Outside Micrometer	61
3210 Outside Micrometer	60
3220 Inside Micrometer	94
3221 Internal Micrometer	97
3222 Internal Micrometer	95
3223 Internal Micrometer	96
3224 Internal Micrometer	97
3225 Internal Micrometer	96
3226 Internal Micrometer with Interchangeable Anvils	99

SERIES DESCRIPTION	PAGE
3227 Three Points Inside Micrometer	100-101
3228 Wide Range Three Points Inside Micrometer	105
3229 Single Rod Internal Micrometer	98
3230 Point Micrometer	68
3232 Blade Micrometer	67
3233 Small Tip Micrometer	69
3234 Large Anvil Micrometer	72
3235 Limit Micrometer	88
3236 Outside Micrometer for Left and Right Hand	62
3237 Outside Micrometer with Anvil Attachment	62
3238 Caliper Type Micrometer	79
3239 Depth Throat Outside Micrometer	66
3240 Depth Micrometer	93
3241 Depth Micrometer	92
3260 Spherical Tip Micrometer	73
3261 Tube Micrometer	74
3262 Uni-Micrometer	75
3263 Sheet Metal Micrometer	87
3264 Micrometer for Hot Plate	87
3266 Single Point Micrometer	70
3280 Universal Micrometer	80
3281 Screw Thread Micrometer	83
3282 Disk Micrometer	78
3283 Jaw Type Micrometer	71
3285 Wire Micrometer	86
3287 Groove Micrometer	92
3288 Disc Brake Micrometer	281
3289 Large Disk Micrometer	78
3290 V-Anvil Micrometer	84
3291 Gear Micrometer	81
3292 Hub Micrometer	86
3293 Can Seam Micrometer	88
3294 Non Rotation Spindle Disk Micrometer	77
3296 Micrometer with Dial Indicator	90
3297 Gear Root Diameter Micrometer	76
33	
3331 Micrometer with Dial Indicator	90
3332 Indicating Snap Micrometer	89
3334 Indicating Snap Micrometer	89
34	
3400 Digital Outside Micrometer with Counter	57
3401 μ -Digital Outside Micrometer with Counter	57
35	
3506 Electronic Outside Micrometer with Interchangeable Anvils	64
3520 Electronic Inside Micrometer	94
3530 Electronic Point Micrometer	68
3532 Electronic Blade Micrometer	67
3533 Electronic Small Tip Micrometer	69

NUMERICAL INDEX

SERIES DESCRIPTION	PAGE
3534 Electronic Large Anvil Micrometer	72
3539 Electronic Deep Throat Outside Micrometer	66
3540 Electronic Depth Micrometer	93
3560 Electronic Spherical Tip Micrometer	73
3561 Electronic Tube Micrometer	74
3562 Electronic Uni-Micrometer	75
3566 Electronic Single Point Micrometer	70
3580 Electronic Universal Micrometer	80
3581 Electronic Screw Thread Micrometer	83
3583 Electronic Jaw Type Micrometer	71
3588 Electronic Disc Brake Micrometer	282
3590 Electronic V-Anvil Micrometer	85
3591 Electronic Gear Micrometer	81
3594 Non Rotation Spindle Electronic Disk Micrometer	77
3596 Electronic Micrometer with Dial Indicator	91
3597 Electronic Gear Root Diameter Micrometer	76
36	
3621 Electronic Three Points Inside Micrometer With Interchangeable Anvils	104
41	
4100 Metric Gage Blocks	181
4102 Inch Rectangular Gage Blocks	182
4103 Inch Round Gage Blocks	183
4104 Gage Blocks for Micrometer Inspection	110
4105 Ceramic Gage Blocks	180
4107 Ceramic Gage Blocks for Micrometer Inspection	110
4108 Gage Blocks for Caliper Inspection	42
4109 Angle Gage Blocks	186
4120 Metric Thread Ring Gage	250
4121 Inch Thread Ring Gage	252
4122 Taper Pipe Thread Plug Gage	253
4123 Taper Pipe Thread Ring Gage	253
4124 Plain Plug Gage	248
4130 Metric Thread Plug Gage	249
4131 Surface Roughness Comparator	265
4132 Inch Thread Plug Gage	251
4141 Granite Square	222
4142 Granite Block	223
4143 Granite Parallel	232
4144 Granite Square	222
4147 Granite Straight Edge	218
4150 Sine Bar	234
4151 Sine Table	235
4152 Sine Vise	235
4153 Precision Vise	236
4154 Precision Vise	236
4161 Metric Pin Gage	184
4162 Inch Pin Gage	185
4163 Ceramic Pin Gage	183
4180 Magnalium Straight Edge	218
4184 Optical Flat for Micrometer Inspection	109

SERIES DESCRIPTION	PAGE
4185 Bench Center	151
4186 Bench Center	151
42	
4206 Telescoping Gage Set	215
4208 Small Hole Gage	215
4209 Long Handle Telescoping Gage	215
46	
4601 Metric Feeler Gage	202
4602 Metric Feeler Gage	202
4605 Metric Long Feeler Gage	203
4608 Inch Feeler Gage	205
4609 Inch Offset Feeler Gage	206
4611 Inch Feeler Gage	203
4612 Inch Feeler Gage	204
4613 Inch Feeler Gage	204
4614 Inch Feeler Gage	205
4615 Inch Go and No-Go Feeler Gage	206
4616 Inch Offset Feeler Gage	207
4630 Taper Gage	212
47	
4700 Straight Edge	199
4701 Adjustable Square	196
4702 Square Set	200
4703 Machinist Square	200
4704 Machinist Square with Wide Base	200
4706 120° Square	198
4707 Machinist Square with Wide Base	201
4708 Cylinder Square	223
4709 Special Square	201
4745 45° Square	196
4747 45° Square with Wide Base	197
4754 135° Square with Wide Base	199
4760 60° Square	197
4762 60° Square with Wide Base	198
4780 Protractor	188
4790 90° Beveled Edge Square	193
4790 90° Tool Maker Square	193
4791 90° Flat Edge Square	194
4792 90° Flat Edge Square with Wide Base	195
4793 90° Flat Edge Square with Wide Base	194
4795 90° Beveled Edge Square with Wide Base	195
4797 Protractor	188
4798 Protractor	189
4799 Protractor	188
48	
4801 Radius Gage	210
4804 Radius Gage Set	211

NUMERICAL INDEX

SERIES DESCRIPTION	PAGE	
4805	Welding Seam Gage	213
4806	Angle Gage	210
4807	Angle Gage Set	209
4808	Wire Gage	212
4809	Sheet Metal Gage	212
4810	Center Angle Gage	209
4811	Keyway Gage	214
4812	Pitch Gage	208
4820	Pitch Gage	208
4824	Pitch Gage	207
4830	Welding Seam Gage	213
4831	Electronic Digital Welding Seam Gage	213
49		
4901	Block Level	264
4902	Frame Level	264
4903	Block Lever	265
50		
5002	2-Piece Measuring Tool Set	268-270
5003	3-Piece Measuring Tool Set	271
5004	4-Piece Measuring Tool Set	271-272
5006	6-Piece Measuring Tool Set	272
5007	7-Piece Measuring Tool Set	273-274
5009	9-Piece Measuring Tool Set	274
5013	13-Piece Measuring Tool Set	275
61		
6140	Depth Base Attachment	42
6141	Extension Base for Depth Caliper	48
62		
6200	Magnetic Stand	143
6201	Magnetic Stand	143
6202	Heavy Duty Magnetic Stand	143
6203	Magnetic Stand	144
6204	Mini Magnetic Stand	147
6205	Heavy Duty Universal Magnetic Stand	145
6207	Flex Arm Magnetic Stand	145
6208	Universal Magnetic Stand	144
6213	Small Magnetic Stand	147
6214	Universal Stand	146
6215	Magnetic Stand for Uneven Surface	145
6217	Vacuum Stand	146
6220	Heavy Duty Magnetic Stand	144
6223	Mini Magnetic Stand	147
6282	Contact Points for Dial Indicator	133-137
6285	Contact Points for Dial Test Indicator	141
6286	Contact Points for Dial Test Indicator	141
6287	Contact Points for Dial Test Indicator	141
6291	Test Indicator Holder	141

SERIES DESCRIPTION	PAGE	
6293	Test Indicator Holder	141
6293	Universal Test Indicator Holder	141
6294	Centering Holder	261
6295	Centering Holder	261
63		
6300	Micrometer Stand	106
6301	Micrometer Stand	106
6303	Spherical Anvil	109
6310	Standard Rod	107-108
6311	Standard Rod	107-108
6312	Standard Ring	107
6313	Standard Ring	107
6315	Measuring Force Detector	109
6350	Double Display Electronic Micrometer Head	111
6351	Electronic Micrometer Head	111
6352	Electronic Micrometer Head	112
6353	Electronic Micrometer Head	112
6361	μ-Digital Micrometer Head	113
6362	Digital Micrometer Head	113
6371	Micrometer Head Coarse & Fine Adjustment	118
6372	Micrometer Head	113/114/115/117
6373	Micrometer Head Large Thimble	114
6375	Micrometer Head Quick Feeding	115/117
6376	Micrometer Head Spindlelock	116
6377	Micrometer Head Non Rotating Spindle	116/117
6378	Micrometer Head No Parallax	116
6379	Micrometer Head Fine Reading	118
6380	Micrometer Head with Zero Adjustment	118
65		
6510	Magnetic Square and V-Block	224
6520	Compound Angle Plate	232
6530	Positioning Blocks	228
6531	Positioning Blocks	229
6532	Inch Parallel Sets	233
6533	Metric Parallel Sets	234
6540	Angle Plate	230
6541	Angle Plate Set	229
6543	Angle Plate Set	230
6544	Adjustable Angle Block	231
6545	Right Angle Plate	231
6550	Electronic Zero Setter	258
6551	Zero Setter	260
6561	Center Finder	257
6562	Edge Finder	257
6563	Edge Finder	256
6564	Electronic Edge Finder	256
6565	Edge and Center Finder	258
68		
6832	Multi-Purpose Welding Gage	214



We reserve the right to change or modify the design and specification of products in this catalogue without prior notice.

Copyright © INSIZE CO., LTD. All Rights Reserved.

INSIZE is the registered trademark of INSIZE CO.,LTD .

www.insize.com

INSIZE (AUSTRIA) CO., LTD.

Add: Weimarerstr 106b/2, 1190 Vienna, Austria
Tel/Fax: +43 13672558
E-mail: austria@insize.com

INSIZE DO (BRAZIL) LTDA.

Add: Rua Julio de Castilhos, 1014/1016 - Belenzinho
CEP 03059-000-Sao Paulo-SP-Brazil
Tel: +55 11 20812412
Fax: +55 11 20812901
E-mail: brazil@insize.com

INSIZE (CHINA) CO., LTD.

Add: 80 Xiangyang Road, Suzhou New District, 215009 China
Tel: +86 512 68099993
Fax: +86 512 68085081
E-mail: china@insize.com

INSIZE INC. (USA)

Add: 1600 E. Thacker St. Suite 605, Des Plaines, IL 60016 USA
Tel: +1 877 8467403
Fax: +1 800 3458656
E-mail: usa@insize.com

Distributed by:

