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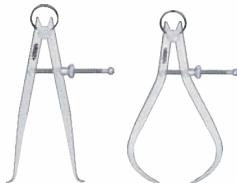
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## FEELER GAGE



**4601-25**



- Made of hardened alloy steel
- Meet DIN2275/grade TC1
- Accuracy:  $\pm(3+T/80)$   $\mu\text{m}$ ,  
'T' is the thickness of leaves in  $\mu\text{m}$

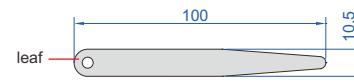
Code	Range	Thickness of leaves included (mm)	Quantity of leaves
<b>4601-25</b>	0.04-1.00mm	0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	25

## FEELER GAGES

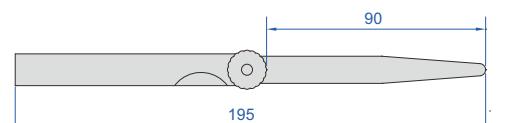


**4602-20**

Unit: mm



- Made of hardened alloy steel
- Meet DIN2275/grade TC1
- Accuracy:  $\pm(3+T/80)$   $\mu\text{m}$ ,  
'T' is the thickness of leaves in  $\mu\text{m}$

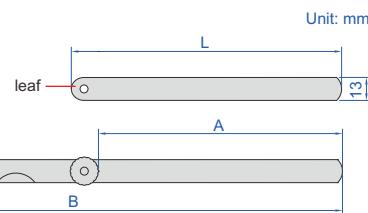


Code	Range	Thickness of leaves included (mm)	Quantity of leaves
<b>4602-13A</b>	0.03-0.50mm	0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.30, 0.40, 0.50	13
<b>4602-13</b>	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00	13
<b>4602-17</b>	0.02-1.00mm	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, 1.00	17
<b>4602-20</b>	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, 1.00	20
<b>4602-28</b>	0.05-1.00mm	0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.11, 0.12, 0.13, 0.14, 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, 1.00	28
<b>4602-32</b>	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, 1.00	32

## LONG FEELER GAGES



4605-20



- Made of hardened alloy steel
- Meet DIN2275/grade TC1
- Accuracy:  $\pm(3+T/80)$   $\mu\text{m}$ ,  
'T' is the thickness of leaves in  $\mu\text{m}$

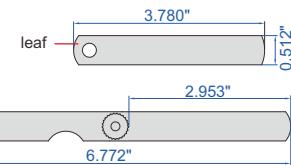
Code	Range	Thickness of leaves included (mm)	Quantity of leaves	L	A	B
4605-13	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40,	13	150mm	135mm	295mm
4605-131	0.05-1.00mm	0.50, 0.60, 0.70, 0.80, 0.90, 1.00	13	200mm	185mm	395mm
4605-132	0.05-1.00mm		13	300mm	285mm	590mm
4605-20	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35,	20	150mm	135mm	295mm
4605-201	0.05-1.00mm	0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70,	20	200mm	185mm	395mm
4605-202	0.05-1.00mm	0.75, 0.80, 0.85, 0.90, 0.95, 1.00	20	300mm	285mm	590mm

## INCH FEELER GAGE



- 0.010" is made of brass, others are made of hardened alloy steel
- Each blade is marked with inch/metric size

4608-31

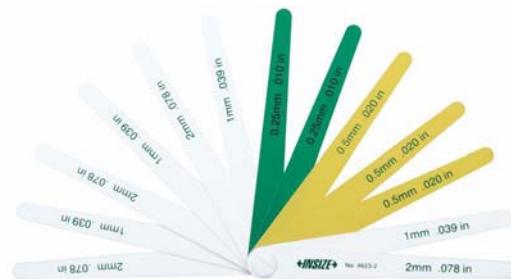


Code	Range	Quantity of Leaves
4608-31	0.0015"~0.035"	32

Thickness of leaves included	Accuracy
0.010" (brass)	$\pm 0.00039"$
0.0015", 0.002"	$\pm 0.0002"$
0.0025", 0.003", 0.004", 0.005", 0.006", 0.007"	$\pm 0.00028"$
0.008", 0.009"	$\pm 0.00035"$
0.010", 0.011"	$\pm 0.00039"$
0.012", 0.013"	$\pm 0.00047"$
0.014", 0.015"	$\pm 0.00051"$

Thickness of leaves included	Accuracy
0.016", 0.017"	$\pm 0.00055"$
0.018", 0.019"	$\pm 0.00059"$
0.020", 0.021"	$\pm 0.00067"$
0.022", 0.023"	$\pm 0.00071"$
0.024", 0.025", 0.026"	$\pm 0.00075"$
0.028"	$\pm 0.00091"$
0.030"	$\pm 0.00094"$
0.032", 0.035"	$\pm 0.00102"$

## PLASTIC FEELER GAGES

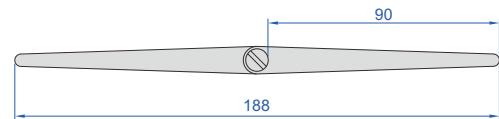


**4623-2**

Unit: mm

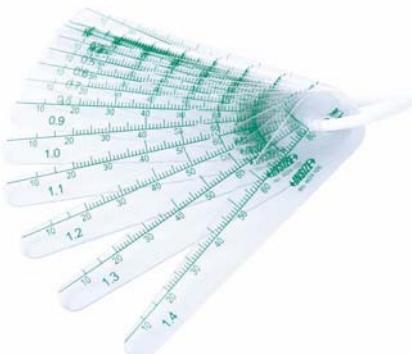


- Accuracy:  $\pm 0.04\text{mm}$  (thickness of leaves:  $0.25\text{mm}$ )
- $\pm 0.05\text{mm}$  (thickness of leaves:  $0.5\text{mm}$ )
- $\pm 0.08\text{mm}$  (thickness of leaves:  $\geq 1\text{mm}$ )



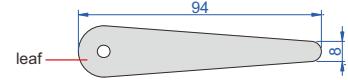
Code	Range	Thickness of leaves included	Quantity of leaves
<b>4623-2</b>	0.25-2.00mm	2.00mm (0.078"), 1.00mm (0.039"), 0.50mm (0.020"), 0.50mm (0.020"), 0.25mm (0.010"), 0.25mm (0.010"), 1.00mm (0.039"), 2.00mm (0.078"), 1.00mm (0.039"), 2.00mm (0.078")	13
<b>4623-5</b>	0.25-5.00mm	1.00mm (0.039"), 0.25mm (0.010"), 0.50mm (0.020"), 1.50mm (0.059"), 2.00mm (0.078"), 2.50mm (0.098"), 3.00mm (0.118"), 3.50mm (0.138"), 4.00mm (0.157"), 4.50mm (0.177"), 5.00mm (0.196")	11

## PLASTIC FEELER GAGE

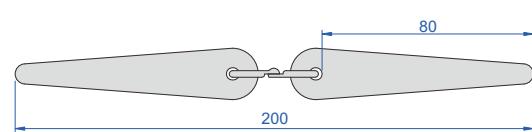


**4624-1D5**

Unit: mm



- Accuracy:  $\pm 0.02\text{mm}$  (thickness of leaves:  $0.05\text{-}0.1\text{mm}$ )
- $\pm 0.03\text{mm}$  (thickness of leaves:  $0.15\text{-}0.6\text{mm}$ )
- $\pm 0.04\text{mm}$  (thickness of leaves:  $\geq 0.7\text{mm}$ )



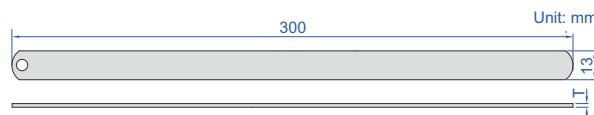
Code	Range	Thickness of leaves included (mm)	Quantity of leaves
<b>4624-1D5</b>	0.05-1.5mm	0.05, 0.1, 0.15, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.1, 1.2, 1.3, 1.4, 1.5	17

## FEELER GAGE STOCKS



4622-10

- Used as shims to accurately set spacing
- Made of hardened alloy steel
- Length 300mm
- Width 13mm
- 10 pcs per package

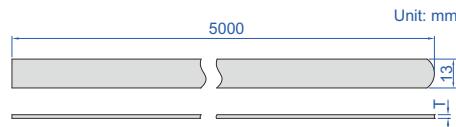


Code	Thickness (T)	Accuracy	Code	Thickness (T)	Accuracy	Code	Thickness (T)	Accuracy
4622-02	0.02mm	$\pm 3\mu\text{m}$	4622-15	0.15mm	$\pm 5\mu\text{m}$	4622-60	0.60mm	$\pm 9\mu\text{m}$
4622-03	0.03mm	$\pm 3\mu\text{m}$	4622-18	0.18mm	$\pm 6\mu\text{m}$	4622-65	0.65mm	$\pm 9\mu\text{m}$
4622-04	0.04mm	$\pm 3\mu\text{m}$	4622-20	0.20mm	$\pm 6\mu\text{m}$	4622-70	0.70mm	$\pm 12\mu\text{m}$
4622-05	0.05mm	$\pm 3\mu\text{m}$	4622-25	0.25mm	$\pm 6\mu\text{m}$	4622-75	0.75mm	$\pm 12\mu\text{m}$
4622-06	0.06mm	$\pm 3\mu\text{m}$	4622-30	0.30mm	$\pm 7\mu\text{m}$	4622-80	0.80mm	$\pm 13\mu\text{m}$
4622-07	0.07mm	$\pm 4\mu\text{m}$	4622-35	0.35mm	$\pm 7\mu\text{m}$	4622-85	0.85mm	$\pm 13\mu\text{m}$
4622-08	0.08mm	$\pm 4\mu\text{m}$	4622-40	0.40mm	$\pm 8\mu\text{m}$	4622-90	0.90mm	$\pm 14\mu\text{m}$
4622-09	0.09mm	$\pm 4\mu\text{m}$	4622-45	0.45mm	$\pm 8\mu\text{m}$	4622-95	0.95mm	$\pm 14\mu\text{m}$
4622-10	0.10mm	$\pm 4\mu\text{m}$	4622-50	0.50mm	$\pm 9\mu\text{m}$	4622-100	1.00mm	$\pm 16\mu\text{m}$
4622-12	0.12mm	$\pm 5\mu\text{m}$	4622-55	0.55mm	$\pm 9\mu\text{m}$			

## FEELER GAGE TAPES



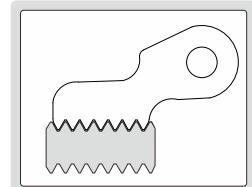
4621-30



Code	Thickness (T)	Accuracy
4621-02	0.02mm	$\pm 4\mu\text{m}$
4621-03	0.03mm	$\pm 4\mu\text{m}$
4621-04	0.04mm	$\pm 4\mu\text{m}$
4621-05	0.05mm	$\pm 4\mu\text{m}$
4621-06	0.06mm	$\pm 4\mu\text{m}$
4621-07	0.07mm	$\pm 5\mu\text{m}$
4621-08	0.08mm	$\pm 5\mu\text{m}$
4621-09	0.09mm	$\pm 5\mu\text{m}$
4621-10	0.10mm	$\pm 5\mu\text{m}$
4621-12	0.12mm	$\pm 5\mu\text{m}$
4621-15	0.15mm	$\pm 6\mu\text{m}$
4621-18	0.18mm	$\pm 7\mu\text{m}$
4621-20	0.20mm	$\pm 8\mu\text{m}$
4621-25	0.25mm	$\pm 9\mu\text{m}$

Code	Thickness (T)	Accuracy
4621-30	0.30mm	$\pm 9\mu\text{m}$
4621-35	0.35mm	$\pm 11\mu\text{m}$
4621-40	0.40mm	$\pm 12\mu\text{m}$
4621-45	0.45mm	$\pm 12\mu\text{m}$
4621-50	0.50mm	$\pm 14\mu\text{m}$
4621-55	0.55mm	$\pm 14\mu\text{m}$
4621-60	0.60mm	$\pm 14\mu\text{m}$
4621-65	0.65mm	$\pm 14\mu\text{m}$
4621-70	0.70mm	$\pm 17\mu\text{m}$
4621-75	0.75mm	$\pm 17\mu\text{m}$
4621-80	0.80mm	$\pm 19\mu\text{m}$
4621-85	0.85mm	$\pm 19\mu\text{m}$
4621-90	0.90mm	$\pm 22\mu\text{m}$
4621-95	0.95mm	$\pm 22\mu\text{m}$
4621-100	1.00mm	$\pm 24\mu\text{m}$

- Used as shims to accurately set spacing
- Made of hardened alloy steel
- Length 5m
- Width 13mm


**4820-122**


- Identify the pitch of screw thread
- Made of medium carbon steel

**Metric 60° screw**

<b>Code</b>	<b>Range</b>	<b>Pitch of leaves included (mm)</b>	<b>Quantity of leaves</b>
<b>4820-122</b>	0.4-7.0mm	0.4, 0.5, 0.6, 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	22
<b>4820-124</b>	0.25-7.0mm	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	24
<b>4820-1241</b>	0.25-6.0mm	0.25, 0.3, 0.35, 0.4, 0.45, 0.5, 0.6, 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, 6mm	24

**Unified 60° screw**

<b>Code</b>	<b>Range</b>	<b>Pitch of leaves included</b>	<b>Quantity of leaves</b>
<b>4820-230</b>	4-42TPI	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	30

**Whitworth 55° screw**

<b>Code</b>	<b>Range</b>	<b>Pitch of leaves included</b>	<b>Quantity of leaves</b>
<b>4820-330</b>	4-42TPI	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	30
<b>4820-328</b>	4-62TPI	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	28

**Metric 60° and Whitworth 55° screw**

<b>Code</b>	<b>Range</b>	<b>Pitch of leaves included</b>	<b>Quantity of leaves</b>
<b>4820-452</b>	0.25-6.0mm	0.25, 0.3, 0.35, 0.4, 0.45, 0.5, 0.6, 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, 6mm	52
	4-62TPI	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	
<b>4820-450</b>	0.4-7.0mm	0.4, 0.5, 0.6, 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	50
	4-62TPI	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	

**Metric 60° and Unified 60° screw**

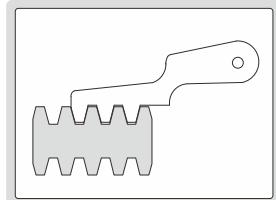
<b>Code</b>	<b>Range</b>	<b>Pitch of leaves included</b>	<b>Quantity of leaves</b>
<b>4820-552</b>	0.4-7.0mm	0.4, 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm	52
	4-42TPI	4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42TPI	

## PITCH GAGES

- Check the pitch of screw thread
- Accuracy:  $\pm 0.07\text{mm}$
- Made of medium carbon steel



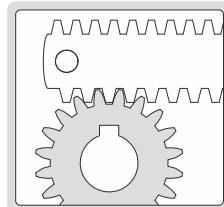
4824-12



Code	Range	Thread type	Pitch of leaves included	Quantity of leaves
4824-12	2-20mm	Tr30°	2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 16, 20mm	12
4824-16	1-12TPI	ACME 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	16

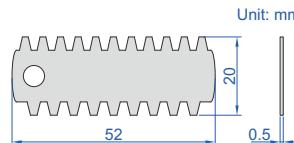
## GEAR TOOTH PITCH GAGES

- Check the module pitch of gear tooth
- Accuracy:  $\pm 0.05\text{mm}$
- Made of hardened stainless steel

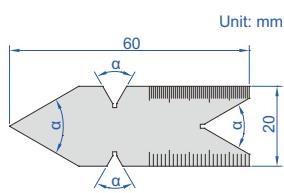


4860-245

Code	Range	Pressure angle	Quantity of leaves
4860-145	0.35-4.5mm	14.5°	15
4860-245	0.35-4.5mm	20°	15
4860-112	5-12mm	14.5°	8
4860-212	5-12mm	20°	8

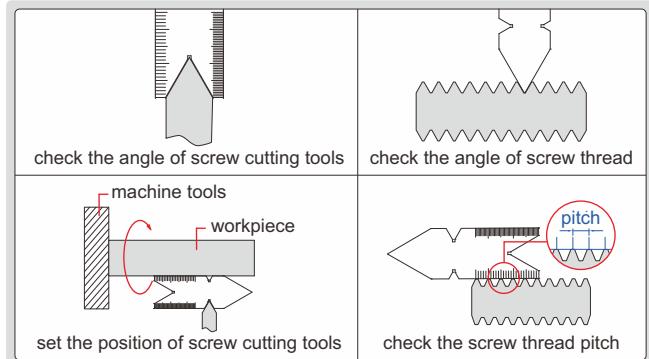


## CENTER GAGES



4810-602

- To check and set screw cutting tools, and check the angle and pitch of screw thread
- Angle accuracy:  $\pm 30\text{min.}$
- Made of stainless steel



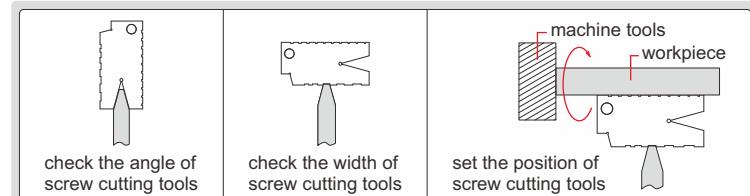
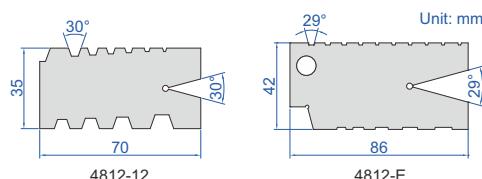
Code	Thread type	Angle ( $\alpha$ )	Graduation
4810-601	METRIC 60°	60°	0.5mm and 1mm
4810-602	UNIFIED 60°	60°	14ths and 20ths on front side, 24ths and 32ths on back side
4810-55	WHITWORTH 55°	55°	14ths and 20ths on front side, 24ths and 32ths on back side

## THREAD GAGES

- To check and set screw cutting tools
- Made of medium carbon steel



4812-E



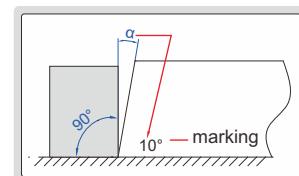
Code	Range	Thread type	Pitch
4812-12	2-12mm	Tr 30°	2, 3, 4, 5, 6, 7, 8, 9, 10, 12mm
4812-E	1-10TPI	ACME 29°	1, 1-1/3, 1-1/2, 1-3/4, 2, 2-1/2, 3, 4, 5, 6, 7, 8, 9, 10TPI

## ANGLE GAGE

- To check complementary angles
- Made of stainless steel

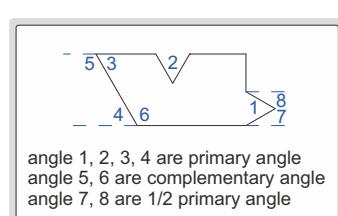
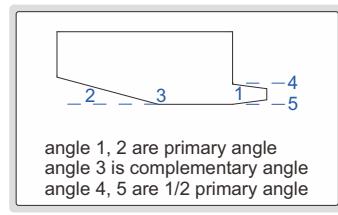


4806-20



Code	Range ( $\alpha$ )	Angle of leaves included	Quantity of leaves	Accuracy
4806-20	1°-45°	1°, 2°, 3°, 4°, 5°, 6°, 7°, 8°, 9°, 10°, 12°, 14°, 16°, 18°, 20°, 25°, 30°, 35°, 40°, 45°	20	±30'

## ANGLE GAGE SET



4807

- Each blade checks primary, 1/2 primary and complementary angles
- Made of medium carbon steel

Code	Quantity of leaves	Accuracy
4807	18	±10'

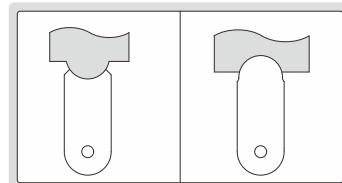
Primary angle	1/2 primary angle	Complementary angle	Type
5°	2°30'	175°	A
10°	5°	170°	A
15°	7°30'	165°	A
20°	10°	160°	B
25°	12°30'	155°	B
30°	15°	150°	B
35°	17°30'	145°	B
40°	20°	140°	B
45°	22°30'	135°	B
50°	25°	130°	B
55°	27°30'	125°	B
60°	30°	120°	B
65°	32°30'	115°	B
70°	35°	110°	B
75°	37°30'	105°	B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

## RADIUS GAGES

- Made of medium carbon steel



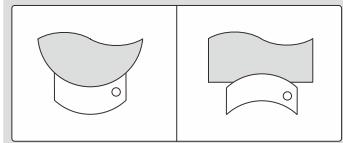
4801-17



Code	Range	Radius of leaves included (mm)	Quantity of leaves (internal + external)
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, 7	17+17
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, 15	16+16
4801-15	15.5-25mm	15.5, 16, 16.5, 17, 17.5, 18, 18.5, 19, 19.5, 20, 21, 22, 23, 24, 25	15+15

## RADIUS GAGE

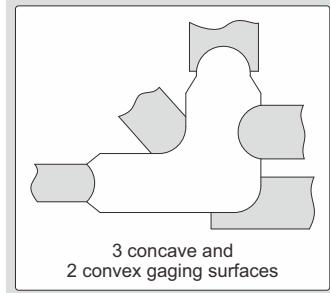
- Made of stainless steel



Code	Range	Radius of leaves included (mm)	Quantity of leaves
4802-31	25-40mm	25, 25.5, 26, 26.5, 27, 27.5, 28, 28.5, 29, 29.5, 30, 30.5, 31, 31.5, 32, 32.5, 33, 33.5, 34, 34.5, 35, 35.5, 36, 36.5, 37, 37.5, 38, 38.5, 39, 39.5, 40	31

## RADIUS GAGE SET

- Each piece has 3 concave and 2 convex gauging surfaces
- Supplied with handle
- Made of medium carbon steel

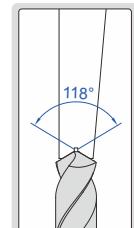
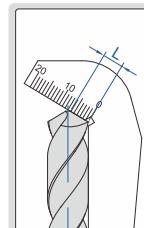
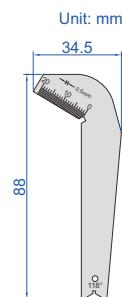


4804-26

Code	Range	Radius of leaves included (mm)	Quantity of leaves
4804-26	0.5-13mm	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, 13	26

## DRILL POINT GAGE

- For twist drills with 118° angle, to check if the center of tip is concentric with the drill body
- Made of stainless steel

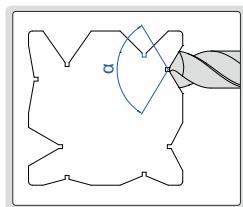
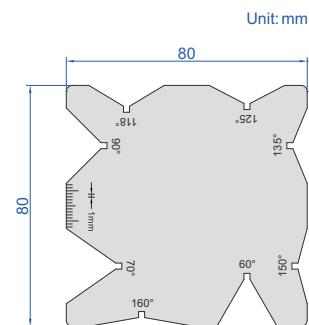


Code	Accuracy	
	Angle	Length
4843-1	±0.5°	±0.5mm

4843-1

## DRILL ANGLE GAGE

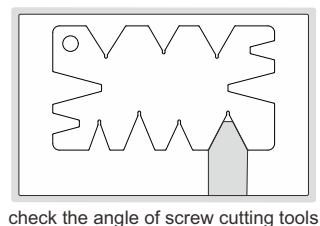
- Check drills with angle 60°, 70°, 90°, 118°, 125°, 135°, 150° or 160°
- Made of stainless steel



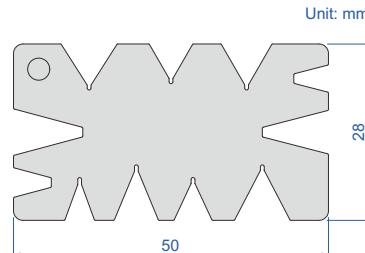
4842-1

Code	Accuracy
4842-1	±0.5°

## ANGLE GAGE



check the angle of screw cutting tools



4854-1

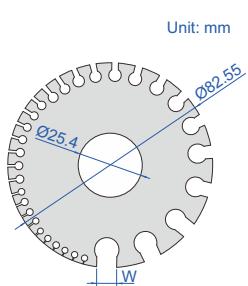
- Made of stainless steel

Code	Range	Accuracy
4854-1	29°, 30°, 40°, 45°, 50°, 55°, 60°	±10'

## AMERICAN STANDARD WIRE GAGE



4808



Code	Range
4808	0-36 (8.250-0.127mm/0.3249-0.0050")

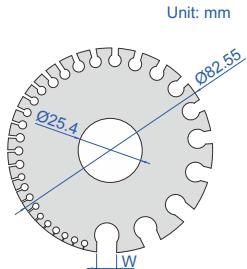
- For gaging non-ferrous wire and metals such as copper, brass and aluminum
- Hardened to HRC50-57

No.	W	No.	W
0	8.250mm/0.3249"	18	1.020mm/0.0403"
1	7.350mm/0.2893"	19	0.912mm/0.0359"
2	6.540mm/0.2576"	20	0.813mm/0.0320"
3	5.830mm/0.2294"	21	0.724mm/0.0285"
4	5.190mm/0.2043"	22	0.643mm/0.0253"
5	4.620mm/0.1819"	23	0.574mm/0.0226"
6	4.110mm/0.1620"	24	0.511mm/0.0201"
7	3.670mm/0.1443"	25	0.440mm/0.0179"
8	3.260mm/0.1285"	26	0.404mm/0.0159"
9	2.910mm/0.1144"	27	0.361mm/0.0142"
10	2.590mm/0.1019"	28	0.320mm/0.0126"
11	2.300mm/0.0907"	29	0.287mm/0.0113"
12	2.050mm/0.0808"	30	0.254mm/0.0100"
13	1.820mm/0.0720"	31	0.226mm/0.0089"
14	1.630mm/0.0641"	32	0.203mm/0.0080"
15	1.450mm/0.0571"	33	0.180mm/0.0071"
16	1.290mm/0.0508"	34	0.160mm/0.0063"
17	1.150mm/0.0453"	35	0.142mm/0.0056"
		36	0.127mm/0.0050"

## U.S. STANDARD SHEET METAL GAGE



4809

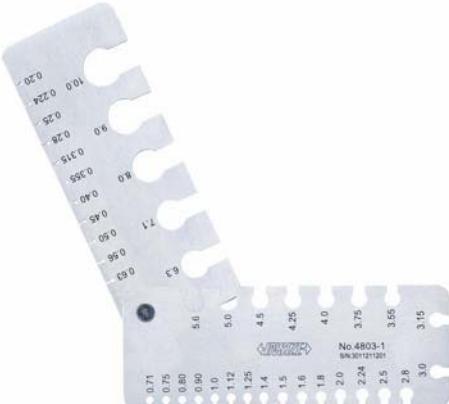


Code	Range
4809	0-36 (7.938-0.179mm/0.3125-0.0070")

- For gaging sheet metal, plate iron and steel
- Hardened to HRC50-57

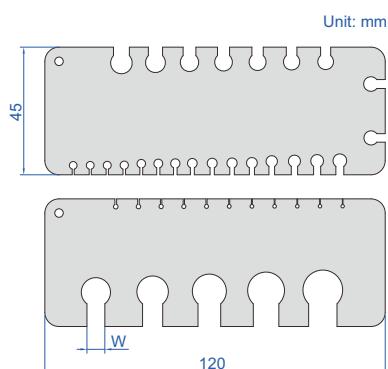
No.	W	No.	W
0	7.938mm/0.3125"	18	1.270mm/0.0500"
1	7.144mm/0.2813"	19	1.111mm/0.0438"
2	6.747mm/0.2656"	20	0.953mm/0.0375"
3	6.350mm/0.2500"	21	0.873mm/0.0344"
4	5.953mm/0.2344"	22	0.794mm/0.0313"
5	5.556mm/0.2188"	23	0.714mm/0.0281"
6	5.159mm/0.2031"	24	0.635mm/0.0250"
7	4.763mm/0.1875"	25	0.556mm/0.0219"
8	4.366mm/0.1719"	26	0.476mm/0.0188"
9	3.969mm/0.1563"	27	0.437mm/0.0172"
10	3.572mm/0.1406"	28	0.397mm/0.0156"
11	3.175mm/0.1250"	29	0.357mm/0.0141"
12	2.778mm/0.1094"	30	0.318mm/0.0125"
13	2.381mm/0.0938"	31	0.278mm/0.0109"
14	1.984mm/0.0781"	32	0.258mm/0.0102"
15	1.786mm/0.0703"	33	0.238mm/0.0094"
16	1.588mm/0.0625"	34	0.218mm/0.0086"
17	1.429mm/0.0563"	35	0.198mm/0.0078"
		36	0.179mm/0.0070"

## WIRE GAGE



4803-1

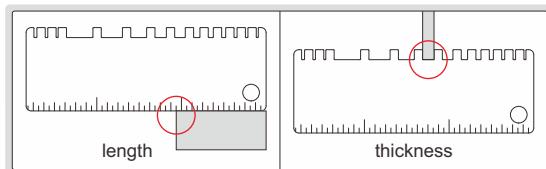
Code	Range
4803-1	0.2-10mm



- For gaging non-ferrous wire and metals such as copper, brass and aluminum
- Hardened to HRC51-53
- Including 2 pcs wire gages

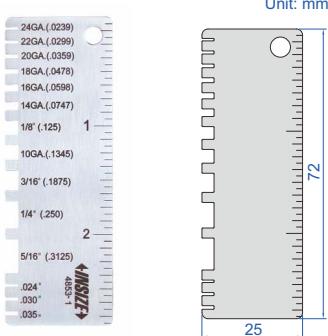
Wire diameter (W)	Wire diameter (W)
0.200mm	1.60mm
0.224mm	1.80mm
0.250mm	2.00mm
0.280mm	2.24mm
0.315mm	2.50mm
0.355mm	2.80mm
0.400mm	3.00mm
0.450mm	3.15mm
0.500mm	3.55mm
0.560mm	3.75mm
0.630mm	4.00mm
0.710mm	4.25mm
0.750mm	4.50mm
0.800mm	5.00mm
0.900mm	5.60mm
1.000mm	6.30mm
1.120mm	7.10mm
1.250mm	8.00mm
1.400mm	9.00mm
1.500mm	10.00mm

## THICKNESS GAGE



- Made of stainless steel

Code	Measurement	Range	Graduation	Accuracy	
4853-1	length	0-2 3/4"	1/16"	1/32"	4853-1
		24GA. (0.0239"), 22GA. (0.0299"), 20GA. (0.0359")	±0.002"		
	thickness	18GA. (0.0478"), 16GA. (0.0598") , 14GA. (0.0747"), 1/8" (0.125"), 10GA. (0.1345"), 3/16" (0.1875"), 1/4" (0.250"), 5/16" (0.3125")	±0.004"		
		0.024", 0.030", 0.035"	±0.002"		



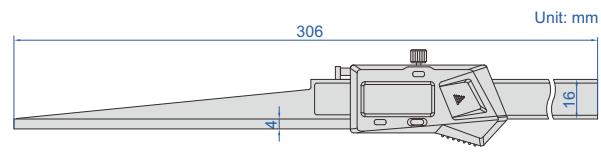
DATA  
OUTPUT

DIRECT READING,  
CALCULATION IS NOT REQUIRED

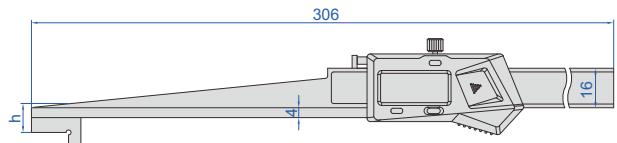
## DIGITAL TAPER SLOT GAGES



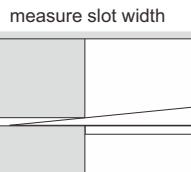
1160-10



- Non waterproof
- Measuring opening, slot width
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-1529 need receiver, 7302-1529)

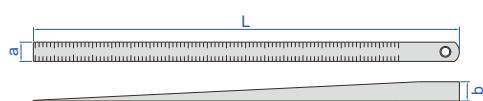


1160-20, 1160-30, 1160-40

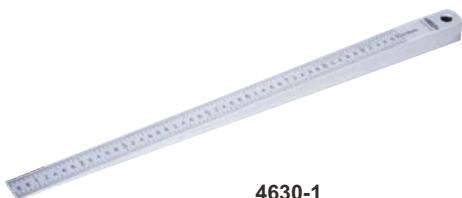


Code	Range	Accuracy	h
1160-10	0.2-10mm/0.01-0.39"	±0.03mm	—
1160-20	10-20mm/0.39-0.79"	±0.05mm	10mm
1160-30	20-30mm/0.79-1.18"	±0.05mm	20mm
1160-40	30-40mm/1.18-1.58"	±0.05mm	30mm

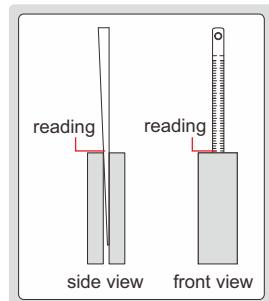
## TAPER SLOT GAGES



- For quick measurement of slot width
- Satin chrome plated reading surface
- Made of stainless steel



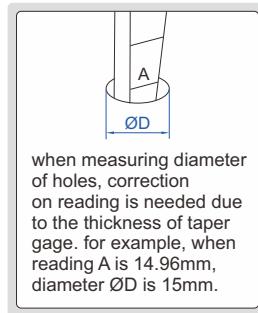
**4630-1**



Code	Range	Graduation	Accuracy	L	a	b
4630-3	0.4-6mm	0.05mm	$\pm 0.04\text{mm}$	164mm	12.5mm	6.5mm
4630-1	0.5-10mm	0.05mm	$\pm 0.07\text{mm}$	220mm	10mm	10.5mm
4630-2	0.5-15mm	0.1mm	$\pm 0.08\text{mm}$	184mm	12.5mm	16.5mm

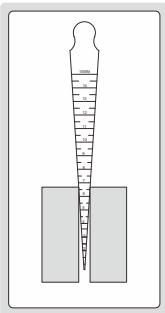
## TAPER GAGES

measure diameter of hole



when measuring diameter of holes, correction on reading is needed due to the thickness of taper gage. for example, when reading A is 14.96mm, diameter  $\varnothing D$  is 15mm.

measure slot width



- Measure opening, slot width, hole diameter, etc.
- Diameter correction table on the back (only for 4833-1, 4833-2)
- Made of stainless steel

Code	Range	Graduation	Accuracy	L	W
4833-1	0.8-15mm	0.1mm	$\pm 0.05\text{mm}$	146mm	17mm
4833-2	15-30mm	0.1mm	$\pm 0.05\text{mm}$	159mm	30.4mm
4833-3	30-45mm	0.1mm	$\pm 0.05\text{mm}$	166mm	45.4mm
4833-4	45-60mm	0.1mm	$\pm 0.05\text{mm}$	170mm	60.5mm



front



back

**4833-2**



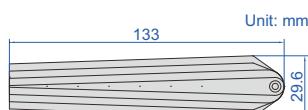
## TAPER GAGE SET



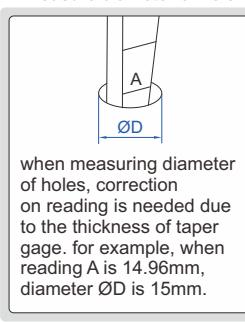
**4837-1**

- 17
- Include 4 pcs (1~8mm, 8~15mm, 15~22mm, 22~29mm)
  - Measure opening, slot width, hole diameter, etc.
  - Diameter correction table on the back
  - Made of stainless steel

Code	Range	Graduation	Accuracy
4837-1	1-29mm	0.05mm	$\pm 0.05\text{mm}$

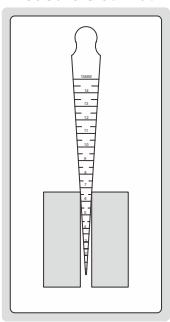


measure diameter of hole



when measuring diameter of holes, correction on reading is needed due to the thickness of taper gage. for example, when reading A is 14.96mm, diameter  $\varnothing D$  is 15mm.

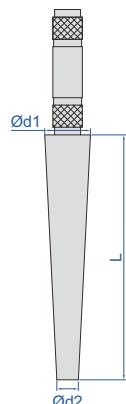
measure slot width



## TAPER BORE GAGES

- Quick measurement of bore diameter
- Hardened steel, HRC50-58
- Satin chrome plated surface
- Aluminium oxidized handle

Code	Range	Graduation	Accuracy	L	$\varnothing d1$	$\varnothing d2$	(mm)
4852-1	1-6.5mm	0.1mm	$\pm 0.05\text{mm}$	62.5	7	0.8	
4852-3	3-16mm	0.1mm	$\pm 0.05\text{mm}$	143	17	2.8	
4852-15	15-30mm	0.1mm	$\pm 0.05\text{mm}$	165	31	14.7	
4852-30	30-45mm	0.1mm	$\pm 0.05\text{mm}$	165	46	29.6	
4852-45	45-60mm	0.1mm	$\pm 0.05\text{mm}$	167	61	44.3	

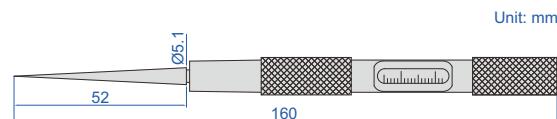


4852-15

## SMALL TAPER BORE GAGE



4855-5



Unit: mm



supplied with protection cap

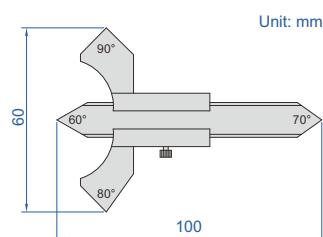
- Quick measurement of small bore diameter
- Hardened working face
- Supplied with protection cap

Code	Range	Graduation	Accuracy
4855-5	0.1-5mm	0.01mm	$\pm 0.03\text{mm}$

## WELDING GAGE

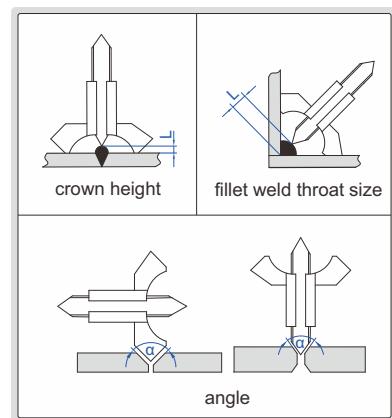


4830



- Made of stainless steel
- Satin chrome plated reading surface

Code	Measurement	Range	Graduation	Accuracy
4830	crown height	0-8mm	0.1mm	$\pm 0.1\text{mm}$
	fillet weld throat size	0-20mm	0.1mm	$\pm 0.3\text{mm}$
	angle	60°, 70°, 80°, 90°	—	$\pm 1^\circ$

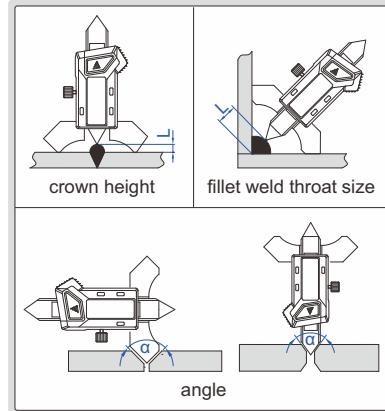
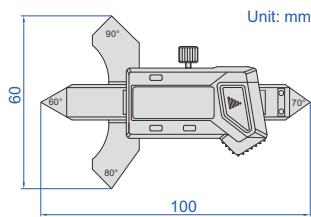


## DIGITAL WELDING GAGE



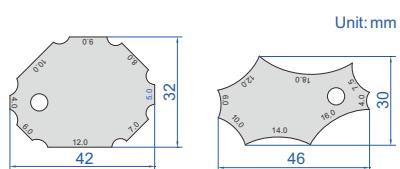
- Non waterproof
- Buttons: zero, mm/inch, on/off
- Battery LR44
- Made of stainless steel

Code	Measurement	Range	Resolution	Accuracy
4831-20A	crown height	0-7mm	0.01mm/0.0005"	±0.03mm
	fillet weld throat size	0-20mm	0.01mm/0.0005"	±0.1mm
	angle	60°, 70°, 80°, 90°	—	±1°



ATTENTION:  
NO DATA OUTPUT

## FILLET WELDING GAGE

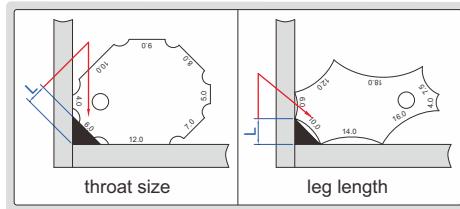


- Made of stainless steel
- Sizes marked on both faces

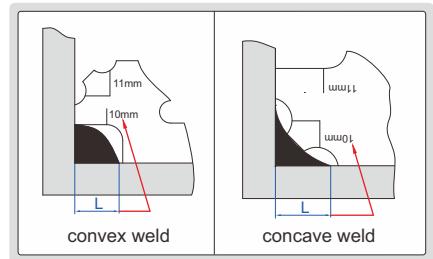
Code	Throat size	Leg length	Accuracy
4832-1	4, 5, 6, 7, 8, 9, 10, 12mm	4, 6, 7.5, 10, 12, 14, 16, 18mm	±0.5mm



4832-1



## FILLET WELDING GAGES



- Measure concave and convex weld sizes
- 7 blades are included
- Made of stainless steel

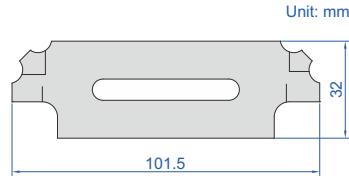


4836-1



4836-2

Code	Size	Accuracy
4836-1	3mm, 4mm, 5mm, 6mm, 8mm, 9mm, 10mm, 11mm, 12mm, 14mm, 16mm, 19mm, 22mm, 25mm	±0.5mm
4836-2	1/8" (3.2mm), 3/16" (4.8mm), 1/4" (6.4mm), 5/16" (7.9mm), 3/8" (9.5mm), 7/16" (11.1mm), 1/2" (12.7mm), 5/8" (15.9mm), 3/4" (19.1mm), 7/8" (22.2mm), 1" (25.4mm)	±0.02" (0.5mm)

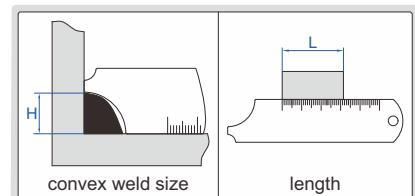
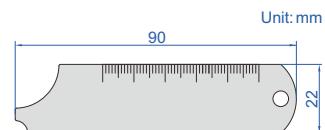


## FILLET WELD GAGE



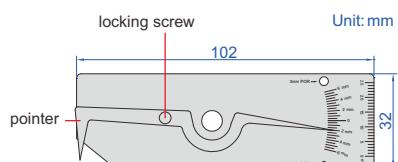
4847-1

- Measure convex weld sizes
- 3 blades are included
- Made of stainless steel



Code	Measurement	Range	Graduation	Accuracy
4847-1	convex weld size	4, 6, 8, 10, 12, 14mm	—	±0.5mm
	length	0-50mm	1mm	±0.5mm

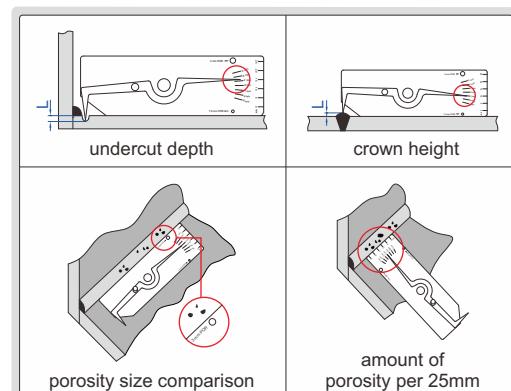
## WELDING GAGE



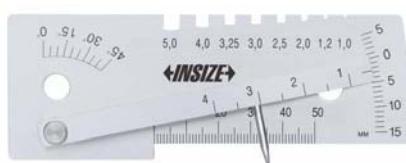
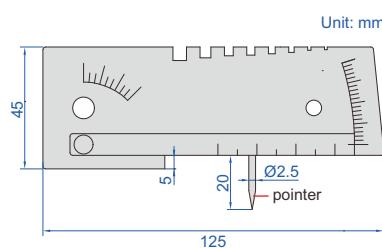
4834-1

- Pointer can be locked for later reference
- Made of stainless steel

Code	Measurement	Range	Graduation	Accuracy
4834-1	undercut depth	0-6mm	0.5mm	±0.5mm
	crown height	0-6mm	0.5mm	±0.5mm
	porosity size comparison	1.5mm, 3mm	—	±0.2mm
	amount of porosity per 25mm	25mm	1mm	—



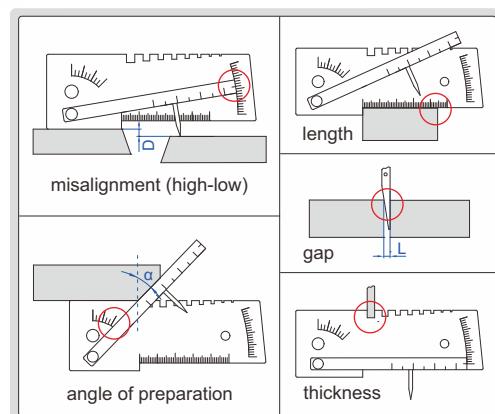
## WELDING GAGE



4848-1

- Made of stainless steel

Code	Measurement	Range	Graduation	Accuracy
4848-1	misalignment (high-low)	-5mm~+15mm	1mm	±0.5mm
	angle of preparation	0°-45°	5°	±2.5°
	length	0-50mm	1mm	±0.5mm
	gap	1-4mm	0.5mm	±0.25mm
	thickness	1, 1.2, 2.0, 2.5, 3.0, 3.25, 4.0, 5.0mm	—	±0.1mm



## WELDING GAGE

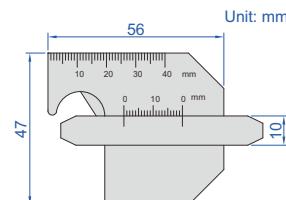


front



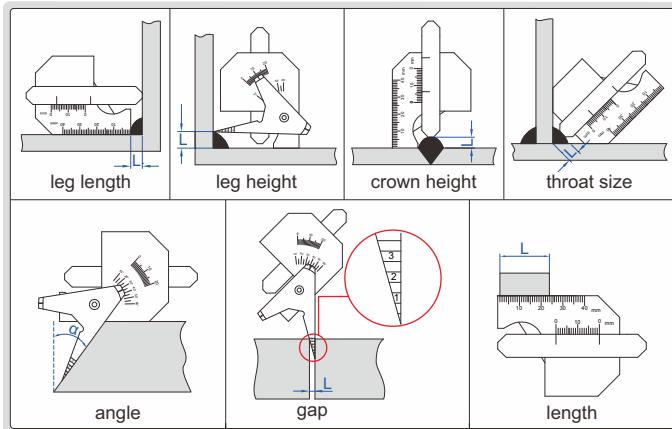
back

6832-1

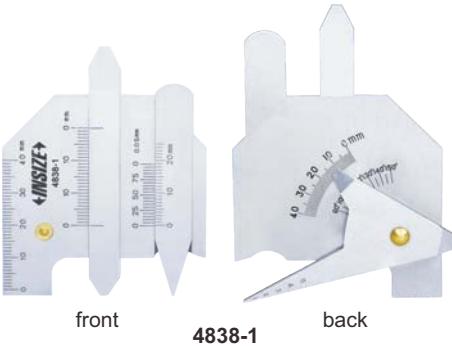
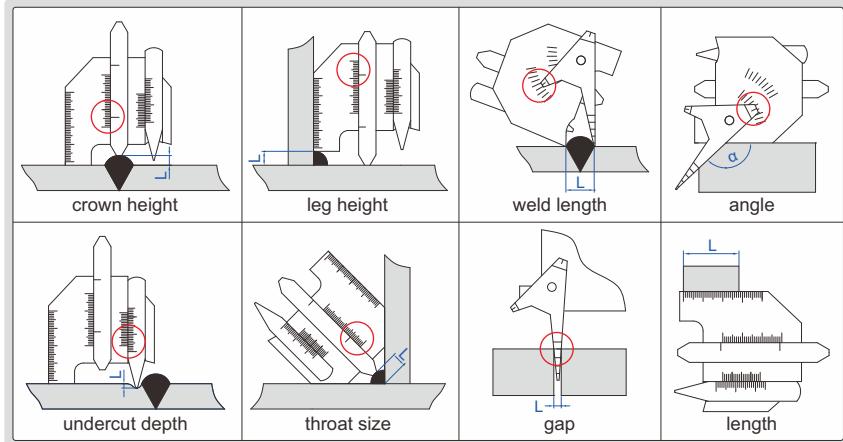


- Made of stainless steel
- Satin chrome plated surface

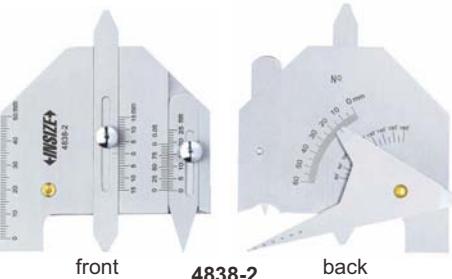
Code	Measurement	Range	Graduation	Accuracy
6832-1	leg length	0-20mm	1mm	$\pm 0.3\text{mm}$
	leg height	0-20mm	1mm	$\pm 0.3\text{mm}$
	crown height	0-20mm	1mm	$\pm 0.3\text{mm}$
	throat size	0-10mm	1mm	$\pm 0.3\text{mm}$
	angle	$0^\circ-60^\circ$	$5^\circ$	$\pm 1^\circ$
	gap	1-3.5mm	0.5mm	$\pm 0.2\text{mm}$
	length	0-40mm	1mm	$\pm 0.3\text{mm}$



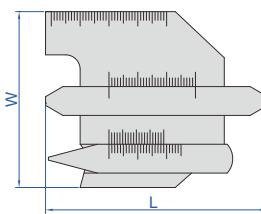
## WELDING GAGES



4838-1



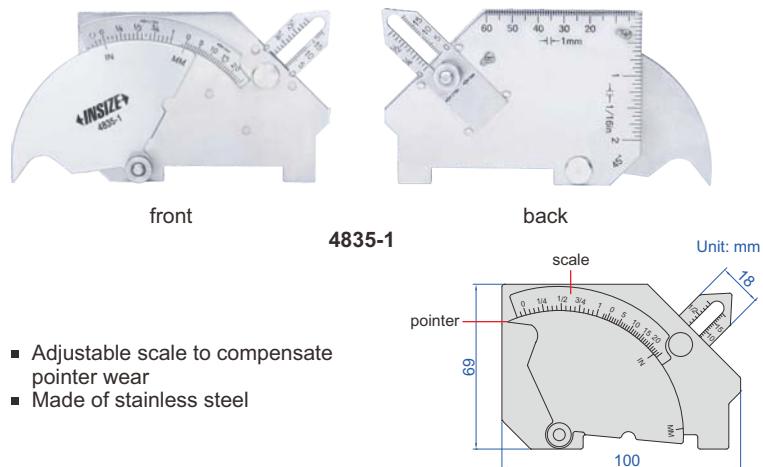
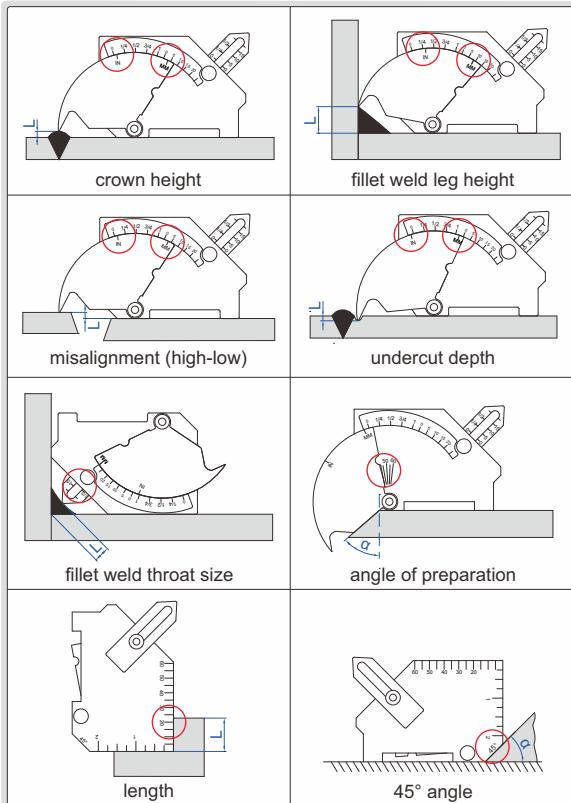
4838-2



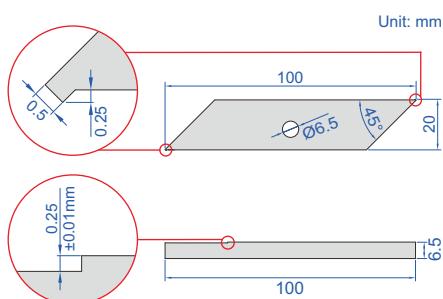
- Made of stainless steel

Measurement	Code 4838-1			Code 4838-2		
	Range	Graduation	Accuracy	Range	Graduation	Accuracy
crown height	0-10mm	1mm	$\pm 0.5\text{mm}$	0-15mm	1mm	$\pm 0.5\text{mm}$
leg height	0-14mm	1mm	$\pm 0.5\text{mm}$	0-15mm	1mm	$\pm 0.5\text{mm}$
undercut depth	0-5mm	0.05mm	$\pm 0.05\text{mm}$	0-5mm	0.05mm	$\pm 0.05\text{mm}$
throat size	0-13mm	1mm	$\pm 0.5\text{mm}$	0-13mm	1mm	$\pm 0.5\text{mm}$
weld length	0-40mm	1mm	$\pm 1\text{mm}$	0-60mm	1mm	$\pm 1\text{mm}$
angle	$90^\circ-150^\circ$	$5^\circ$	$\pm 1^\circ$	$80^\circ-160^\circ$	$5^\circ$	$\pm 1^\circ$
gap	0.5-5mm	1mm	$\pm 0.5\text{mm}$	1-6mm	1mm	$\pm 0.5\text{mm}$
length	0-40mm	1mm	$\pm 0.5\text{mm}$	0-50mm	1mm	$\pm 0.5\text{mm}$
LxW	62x77mm			99x84mm		

## WELDING GAGE



Code	Measurement	Range	Graduation	Accuracy
4835-1	crown height	0-25mm (0-1")	1mm (1/16")	±0.5mm
	fillet weld leg height	0-25mm (0-1")	1mm (1/16")	±0.5mm
	misalignment (high-low)	0-25mm (0-1")	1mm (1/16")	±0.5mm
	undercut depth	0-2mm (0-1/8")	1mm (1/16")	±0.5mm
	fillet weld throat size	0-20mm (0-3/4")	1mm (1/16")	±0.5mm
	angle of preparation	0-60°	5°	±1°
	length	0-60mm (0-2")	1mm (1/16")	±0.5mm
	45° angle	—	—	±1°

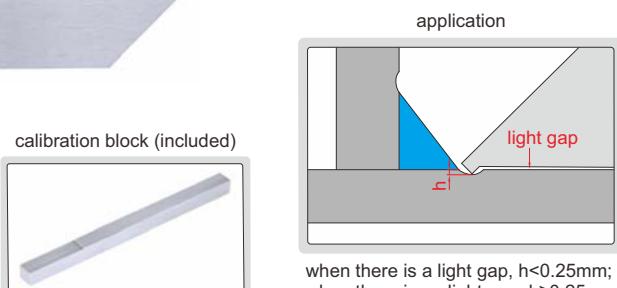


INSIZE  
4849-1

4849-1

**Code**  
**4849-1**

- Measure undercut
- Calibration block is included
- Made of stainless steel



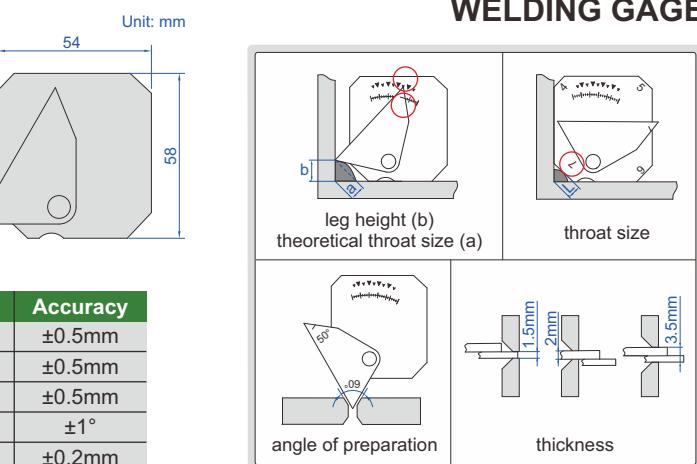
- Made of stainless steel



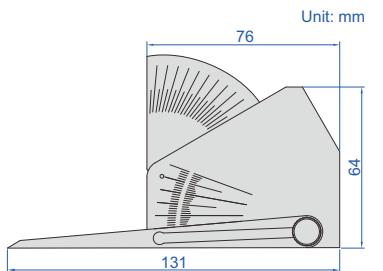
4850-1

Code	Measurement	Range	Graduation	Accuracy
4850-1	leg height (b)	0-18mm	1mm	±0.5mm
	theoretical throat size (a)	2-12mm	1mm	±0.5mm
	throat size	4, 5, 6, 7mm	—	±0.5mm
	angle of preparation	50°, 60°	—	±1°
	thickness	1.5, 2, 3.5mm	—	±0.2mm

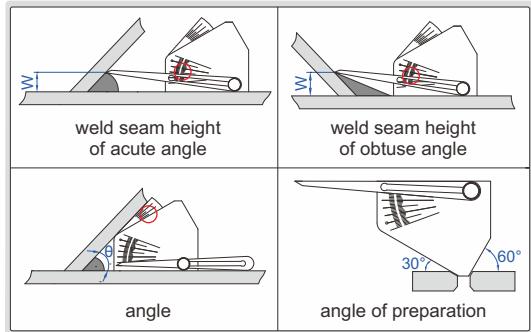
## WELDING GAGE



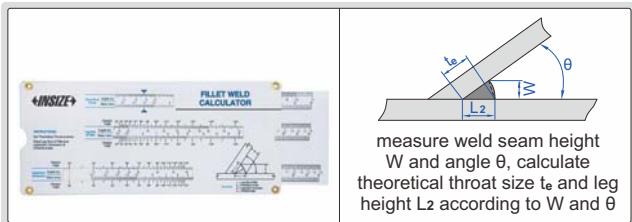
## FILLET WELDING GAGE



4846-1



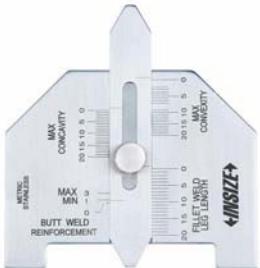
calculating card (included)



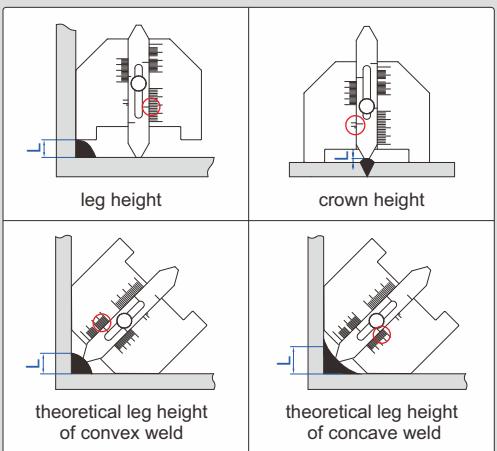
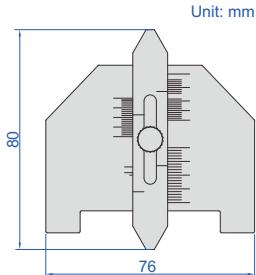
- Calculating card is included
- Made of stainless steel

Code	Measurement	Range	Graduation	Accuracy
4846-1	weld seam height W	0-50mm/0-2"	2mm/0.05"	±1mm
	angle $\theta$	30°-90°	2.5°	±1°
	60° angle	—	—	±0.5°

## WELDING GAGE



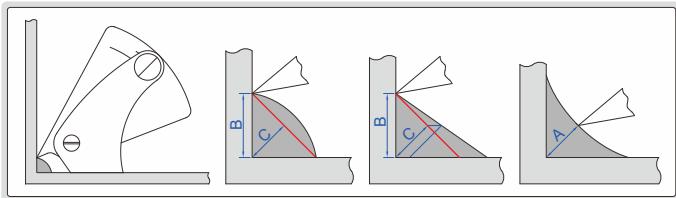
4851-1



- Made of stainless steel

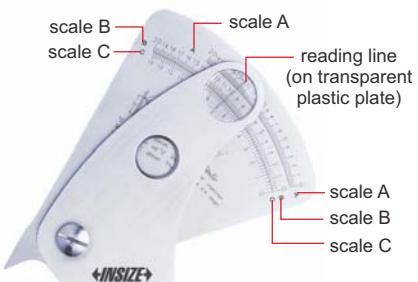
Code	Measurement	Range	Graduation	Accuracy
4851-1	leg height	0-20mm	1mm	±0.5mm
	crown height	0-3mm	—	±0.5mm
	theoretical leg height of convex weld	0-20mm	1mm	±0.5mm
	theoretical leg height of concave weld	0-20mm	1mm	±0.5mm

## WELDING GAGE

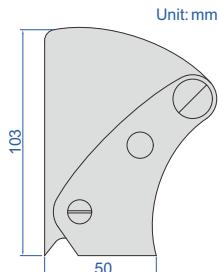


Code	Graduation	Accuracy
4840-1	0.2mm	±0.3mm

- Made of stainless steel

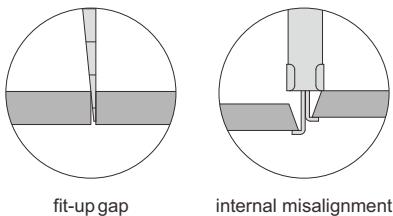


4840-1

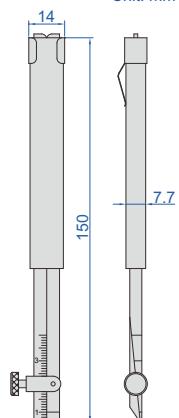


## PIPE WELDING GAGE

■ Made of stainless steel

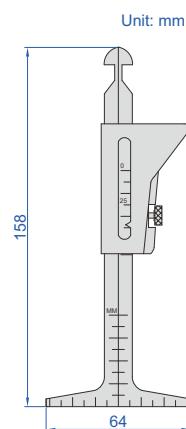
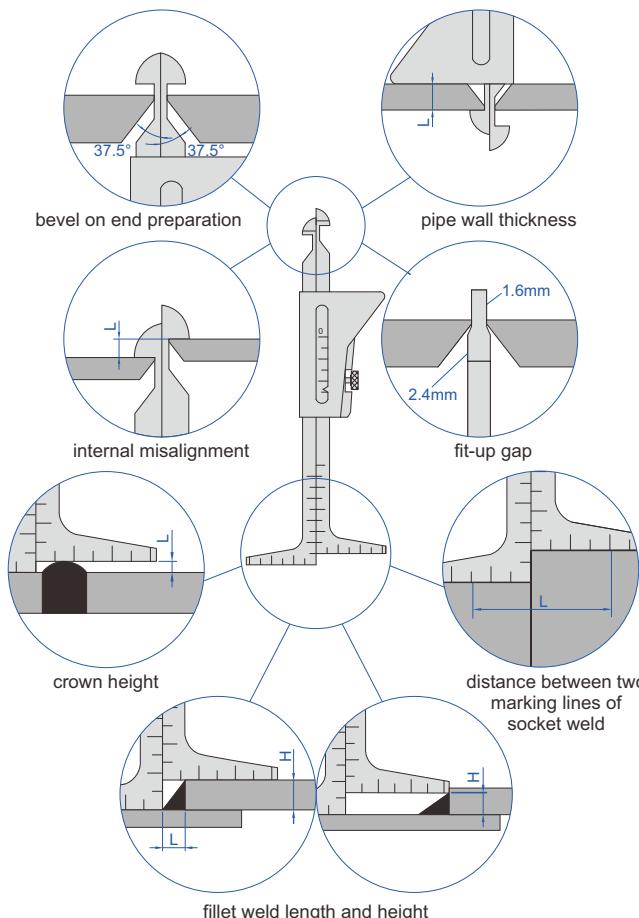


Unit: mm



Code	Measurement	Range	Graduation	Accuracy
4841-1	internal misalignment	0-30mm	1mm	$\pm 0.5\text{mm}$
	fit-up gap	0.7-4mm	0.1mm	$\pm 0.1\text{mm}$

## PIPE WELDING GAGE



4839-1

Code	Measurement	Range	Graduation	Accuracy
4839-1	bevel on end preparation	37.5°	—	$\pm 1^\circ$
	pipe wall thickness	0-45mm (0~1-3/4")	1mm (1/16")	$\pm 0.5\text{mm}$
	internal misalignment	0-35mm (0~1-3/8")	1mm (1/32")	$\pm 0.5\text{mm}$
	fit-up gap	1.6mm, 2.4mm	—	$\pm 0.1\text{mm}$
	crown height	0-35mm (0~1-3/8")	1mm (1/32")	$\pm 0.5\text{mm}$
	distance between two marking lines of socket weld	0-60mm (0~2-3/8")	1mm (1/16")	$\pm 0.5\text{mm}$
	fillet weld length	0-30mm (0~1-1/4")	1mm (1/16")	$\pm 0.5\text{mm}$
	fillet weld height	0-35mm (0~1-3/8")	1mm (1/32")	$\pm 0.5\text{mm}$

■ Made of stainless steel

## 6-PIECE WELDING GAGE SET

- Includes:
- 1) Welding gage (code **4834-1**)
- 2) Fillet welding gage, size 3~25mm, 7 blades (code **4836-1**)
- 3) Pipe welding gage (code **4841-1**)
- 4) Telescoping inspection mirror, size of mirror Ø32mm, length 178~505mm (code **7160-1**)
- 5) Pocket rule with sliding clip, range 150mm/6", graduation 1mm, 1/64" (code **7119-150**)
- 6) LED flashlight (code **ISGF-0501**)

<b>Code</b>
5064



**5064**

## 7-PIECE WELDING GAGE SET

- Includes:
- 1) Welding gage (code **4834-1**)
- 2) Welding gage (code **4851-1**)
- 3) Pipe welding gage (code **4839-1**)
- 4) Outside micrometer, range 0-25mm, graduation 0.01mm (code **3203-25A**)
- 5) Telescoping inspection mirror, size of mirror Ø32mm, length 178~505mm (code **7160-1**)
- 6) Magnifier with illumination, magnification 4X (code **7513-4**)
- 7) Steel rule, range 150mm/6", graduation 0.5mm, 1mm, 1/64", 1/32", 1/16" (code **7110-150**)

<b>Code</b>
5071



**5071**

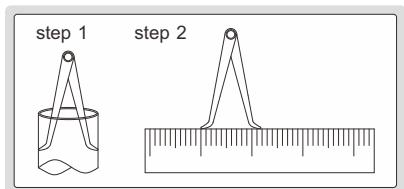
## 7-PIECE WELDING GAGE SET

- Includes:
- 1) Welding gage (code **4834-1**)
- 2) Welding gage (code **4851-1**)
- 3) Fillet welding gage, size 3~25mm, 7 blades (code **4836-1**)
- 4) Outside micrometer, range 0-25mm, graduation 0.01mm (code **3203-25A**)
- 5) Digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.005" (code **1108-150**)
- 6) Pocket rule with sliding clip, range 150mm/6", graduation 1mm, 1/64" (code **7119-150**)
- 7) Magnifier with illumination, magnification 4X (code **7513-4**)

<b>Code</b>
5072



**5072**



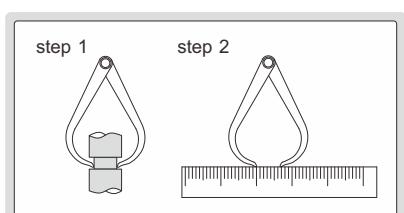
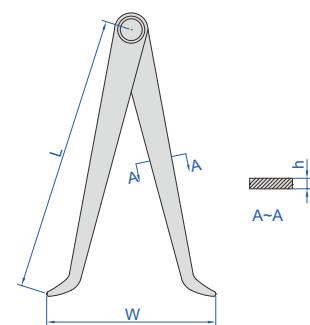
■ Made of carbon steel

Code	Size (L)	Range (W)	h
7240-150	150mm	17-150mm	2mm
7240-200	200mm	17-200mm	3mm
7240-300	300mm	18-300mm	3mm

7240-150



## INSIDE CALIPERS



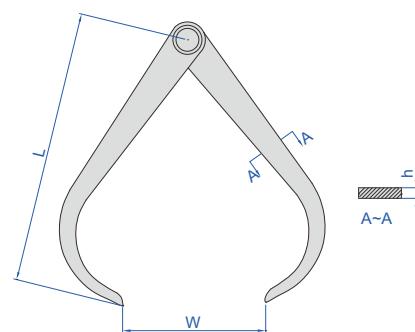
■ Made of carbon steel

Code	Size (L)	Range (W)	h
7241-150	150mm	0-150mm	2mm
7241-200	200mm	0-200mm	3mm
7241-300	300mm	0-300mm	3mm

7241-150



## OUTSIDE CALIPERS



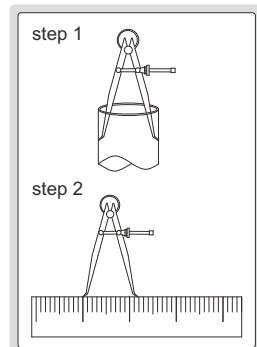
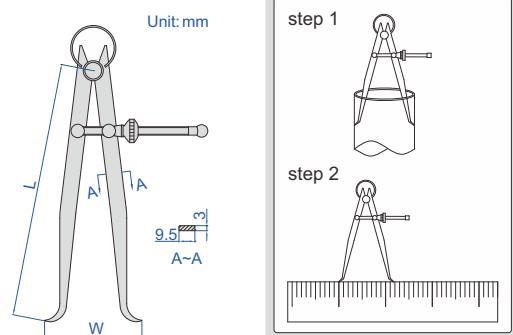
■ Made of carbon steel



7261-150



## INSIDE SPRING CALIPERS



Code	Size (L)	Range (W)
7261-150	150mm	20-170mm
7261-200	200mm	22-220mm
7261-250	245mm	30-270mm
7261-300	300mm	30-320mm

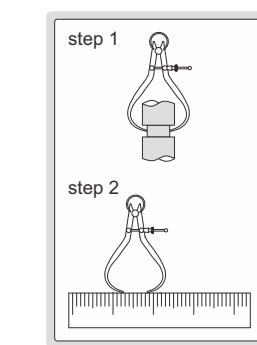
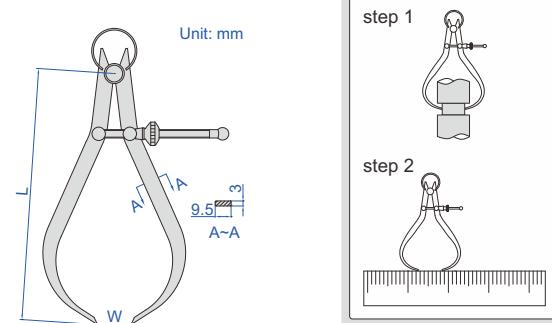
■ Made of carbon steel



7262-150



## OUTSIDE SPRING CALIPERS



Code	Size (L)	Range (W)
7262-150	155mm	0-140mm
7262-200	210mm	0-210mm
7262-250	265mm	0-270mm
7262-300	310mm	0-320mm

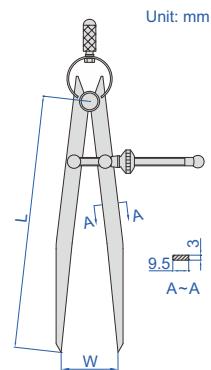
## SPRING DIVIDERS

- Made of carbon steel
- Hardened points

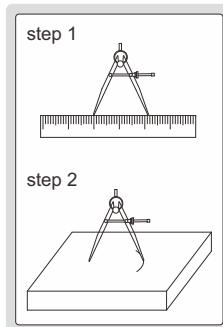
Code	Size (L)	Range (W)
7260-150	150mm	0-150mm
7260-200	200mm	0-210mm
7260-250	245mm	0-260mm
7260-300	300mm	0-320mm



7260-150



Unit: mm



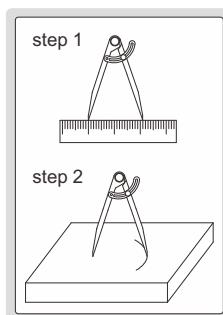
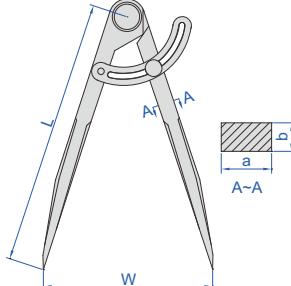
## DIVIDERS

- Made of carbon steel
- Hardened points

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

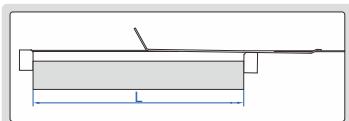


7247-150



## LENGTH TAPES

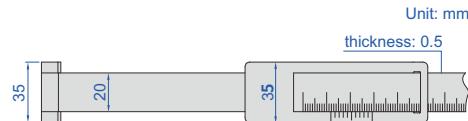
**INSIZE PLUS**  
MADE IN EUROPE



7141-2200

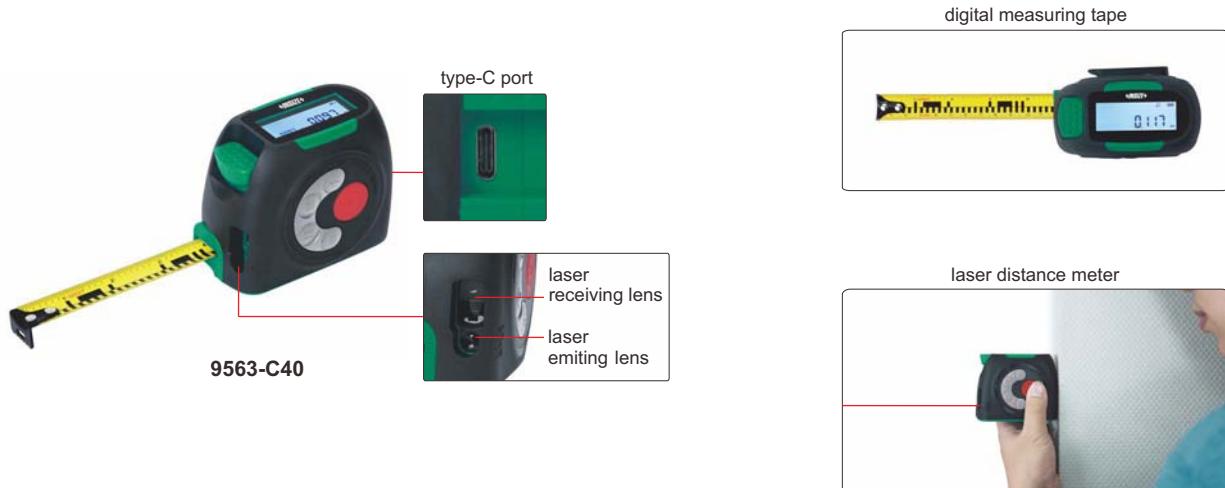
- Measure the distance between two parallel surfaces
- Laser engraved scale
- Made of stainless steel

Code	Range (L)	Graduation	Accuracy
7141-950	60-950mm	0.1mm	$\pm 0.15\text{mm}$
7141-2200	900-2200mm	0.1mm	$\pm 0.20\text{mm}$
7141-3460	2190-3460mm	0.1mm	$\pm 0.20\text{mm}$
7141-4780	3400-4780mm	0.1mm	$\pm 0.25\text{mm}$
7141-6000	4700-6000mm	0.1mm	$\pm 0.30\text{mm}$





## WIRELESS DIGITAL MEASURING TAPES + LASER DISTANCE METERS



- Built-in bluetooth or wireless Zigbee transmission
- Display with backlight
- Automatic power off: laser 30s, main unit 180s
- Can work continuously for 5 hours
- Can store 50 groups of measurement data

wireless Zigbee connect to computer



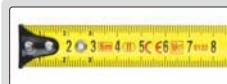
### SPECIFICATION

Code		9563-C40	9563-C60	9563-WL40	9563-WL60
Output		bluetooth (data can be transmitted to APP)		wireless Zigbee (optional receiver required: code 7315-2/3/6/7/8/9) (data can be transmitted to excel, word, txt etc.)	
Digital measuring tape	range	5m			
	resolution	0.001m			
	accuracy	±1.5mm			
	blade width	19mm			
	horizontal stand-out	≥1.8m			
Laser distance meter	range	40m	60m	40m	60m
	resolution	0.001m			
	accuracy	±(3+D/20)mm, D: measured distance, unit: m			
	units	m, ft, in, ft+in			
	laser type	630~670nm, <1mW, class 2			
	measurement function	single, continuous, area, volume, pythagoras measurement			
Operation temperature		0~40°C			
Storage temperature		-10~60°C			
Power supply		built-in rechargeable lithium battery			
Dimension (L×W×H)		95×74×56mm			
Weight		313g			

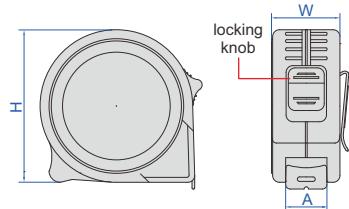
## MEASURING TAPES

**EG  
II**

graduation



- Non-glare nylon surface for wear resistance
- Accuracy:  $\pm(0.3+0.2L)$ mm (L is the measured length rounded up to the next whole meter), meet MI-008 of DIRECTIVE 2014/32/EU


**Individual (1 pc per package)**

Code	Range	Graduation	Width of tape A	W	H
7140-3	0-3m	1mm	16mm	28mm	62mm
7140-5	0-5m	1mm	19mm	30mm	68mm
7140-8	0-8m	1mm	25mm	38mm	78mm

**Set (12 pcs per package)**

Code	Range	Graduation	Width of tape A	W	H
7140-3A	0-3m	1mm	16mm	28mm	62mm
7140-5A	0-5m	1mm	19mm	30mm	68mm
7140-8A	0-8m	1mm	25mm	38mm	78mm

## MEASURING TAPES (BASIC TYPE)

**EG  
II**

- Non-glare nylon coating tape, wear resistance
- Accuracy:  $\pm(0.3+0.2L)$ mm (L is the measured length rounded up to the next whole meter), meet MI-008 of DIRECTIVE 2014/32/EU



graduation


**Individual (1 pc per package)**

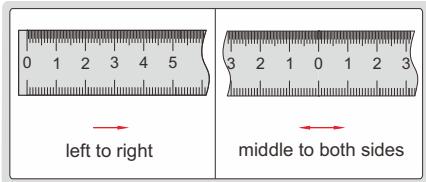
Code	Range	Graduation	Width of tape A	W	H
7142-5	0-5m/0-16ft	1mm, 1/16"	19mm	31mm	64mm

**Set (12 pcs per package)**

Code	Range	Graduation	Width of tape A	W	H
7142-5A	0-5m/0-16ft	1mm, 1/16"	19mm	31mm	64mm

## SELF ADHESIVE MEASURING TAPES

type of reading

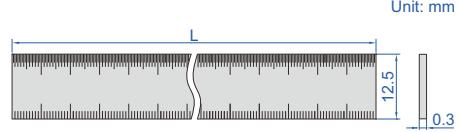


self adhesive back

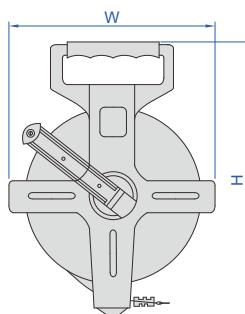
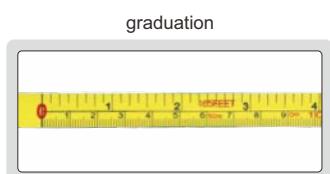


- 17
- Self adhesive back
  - Steel tape, non-glare coating, wear resistance

Code	Range (L)	Graduation	Accuracy	Type of reading
7139-50	50-0-50cm	1mm	$\pm 0.2\text{mm}$	middle to both sides
7139-100	0-100cm	1mm	$\pm 0.4\text{mm}$	left to right



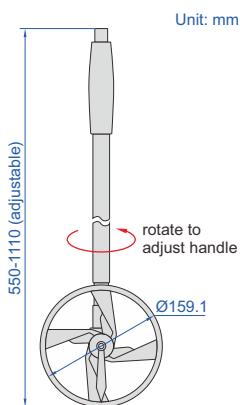
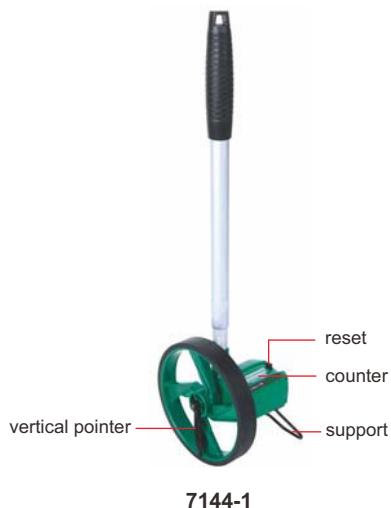
## LONG MEASURING TAPE


**EG  
II**
**7143-50**

- High tensile strength fibreglass tape
- Nylon coating tape, wear resistance
- Accuracy:  $\pm(0.3+0.2L)\text{mm}$  ( $L$  is the measured length rounded up to the next whole meter), meet MI-008 of DIRECTIVE 2014/32/EU

Code	Range	Graduation	Width of tape	W	H
<b>7143-50</b>	0-50m/0-165ft	1mm, 1/8"	13mm	220mm	320mm

## MEASURING WHEEL (BASIC TYPE)



- ABS plastic frame, wear-resistant PU tire
- Three-section adjustable handle

Code	Range	Resolution
<b>7144-1</b>	0.1-9999.9m	0.1m

## MEASURING WHEEL

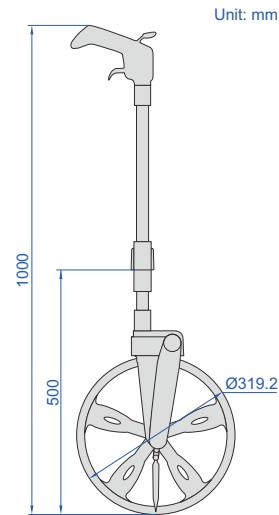
- ABS plastic frame, wear-resistant PU tire
- Two-section foldable handle



after folding



backpack (included)



Code	Range	Resolution
<b>7145-1</b>	0.1-9999.9m	0.1m

## DIGITAL MEASURING WHEEL

**IP40**  
WATERPROOF



VIDEO

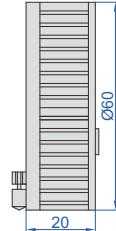


7146-10

- IP40 dust/waterproof
- Measuring length of curve
- Four measurement modes: length, rectangle area, diameter of circle, cube
- Resolution: 0.001m/0.01ft
- Button function: on/off, mm/inch, one or two sides set, measurement mode conversion, measurement
- Battery CR2032, automatic power off

Code	Range	Accuracy
7146-10	0-10m/0-32.8ft	±0.3%L (L is the measured length)

Unit: mm



## RIGID RULES

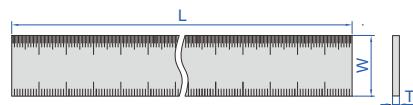
**INSIZE PLUS**  
MADE IN USA

- Rigid rules
- Graduation on front and back sides
- Made of special steel
- Satin chrome plated



7122-300

Code	Range (L)	Graduation	Accuracy	W	T
7122-150	150mm	0.5mm/1mm	+0.10/-0.09mm	18.50mm	1mm
7122-300	300mm	0.5mm/1mm	+0.13/-0.09mm	24.50mm	1mm
7122-600	600mm	0.5mm/1mm	+0.18/-0.09mm	29.50mm	1mm

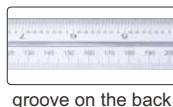


## RIGID RULE



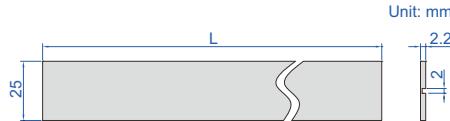
7113-300A

- Rigid rules
- With groove on the back, suitable for combination square set (2278 series)
- Satin chrome plated



groove on the back

Code	Range	Graduation		Accuracy	L
		front	back		
7113-300A	300mm/12"	0.5mm and 1/32"	1mm and 1/64"	±0.15mm	300mm





## FLEXIBLE RULES

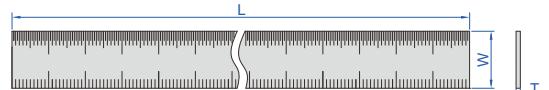
**INSIZE PLUS**  
MADE IN USA



7121-150

- Can be used in the way of bending
- Graduation on front and back sides
- Made of special steel
- Satin chrome plated

Code	Range (L)	Graduation	Accuracy	W	T
7121-150	150mm	0.5mm/1mm	+0.10/-0.09mm	12.50mm	0.40mm
7121-300	300mm	0.5mm/1mm	+0.13/-0.09mm	12.50mm	0.40mm
7121-600	600mm	0.5mm/1mm	+0.18/-0.09mm	19.50mm	0.50mm



can be used in the way of bending



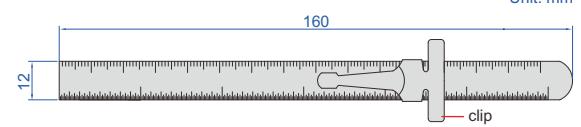
## POCKET RULE WITH SLIDING CLIP



7119-150

- With sliding clip, clip can be inserted in the pocket, also can be used as depth gage base
- Inch/metric conversion table on the back
- Made of stainless steel

Code	Range	Graduation	Accuracy
7119-150	150mm/6"	1mm, 1/64"	±0.3mm



## TAPER GAGE AND STEEL RULER SET



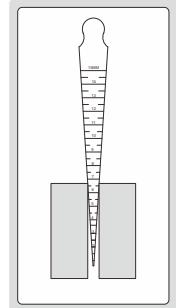
front



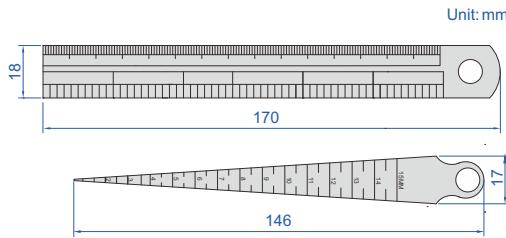
back

4829-1

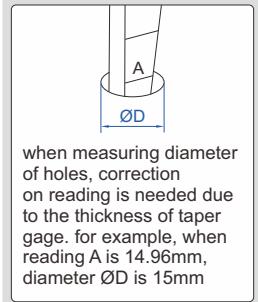
use the taper gage to measure slot width



- Diameter correction table on the taper gage back
- Made of stainless steel



use the taper gage to measure diameter of hole



Code	Tool	Range	Graduation	Accuracy
4829-1	taper gage	0.8-15mm	0.1mm	±0.05mm
	steel ruler	150mm/6"	1.0mm	±0.18mm

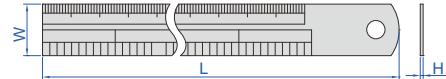
## STEEL RULES

POPULAR MODEL



7110-300

- Graduation: 0.5mm, 1mm, 1/64", 1/32", 1/16"
- Rigid rules
- Made of stainless steel
- Non-glare surface



Individual (1 pc per package)

(mm)

Code	Range	Accuracy	L	W	H	Remark
7110-150	150mm/6"	±0.18mm	170	18	1.0	graduation on front and back
7110-200	200mm/8"	±0.18mm	220	18	1.0	graduation on front and back
7110-300	300mm/12"	±0.27mm	330	25	1.0	graduation on front and back
7110-3001	300mm/12"	±0.27mm	325	30	1.0	graduation on front and back
7110-500	500mm/20"	±0.40mm	530	30	1.2	graduation on front and back
7110-600	600mm/24"	±0.50mm	630	30	1.2	graduation on front and back
7110-1000	1000mm/40"	±0.50mm	1040	32	1.5	graduation on front and back
7110-1200	1200mm/48"	±0.80mm	1240	35	1.8	graduation on front
7110-1500	1500mm/60"	±1.00mm	1550	38	1.8	graduation on front
7110-2000	2000mm/80"	±1.00mm	2065	40	2.0	graduation on front

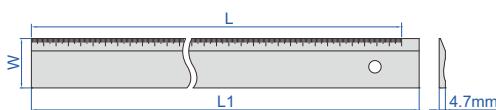
Set

(mm)

Code	Range	Accuracy	L	W	H	Remark	Quantity per package
7110-150A	150mm/6"	±0.18mm	170	18	1.0	graduation on front and back	10 pcs
7110-200A	200mm/8"	±0.18mm	220	18	1.0	graduation on front and back	10 pcs
7110-300A	300mm/12"	±0.27mm	330	25	1.0	graduation on front and back	5 pcs
7110-3001A	300mm/12"	±0.27mm	325	30	1.0	graduation on front and back	5 pcs
7110-500A	500mm/20"	±0.40mm	530	30	1.2	graduation on front and back	5 pcs
7110-600A	600mm/24"	±0.50mm	630	30	1.2	graduation on front and back	5 pcs
7110-1000A	1000mm/40"	±0.50mm	1040	32	1.5	graduation on front and back	5 pcs
7110-1200A	1200mm/48"	±0.80mm	1240	35	1.8	graduation on front	5 pcs
7110-1500A	1500mm/60"	±1.00mm	1550	38	1.8	graduation on front	5 pcs
7110-2000A	2000mm/80"	±1.00mm	2065	40	2.0	graduation on front	5 pcs

## ALUMINUM RULES

- Made of aluminum, oxidized surface



7123-300

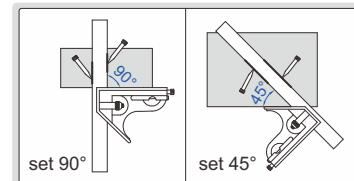
Code	Range (L)	Graduation	Accuracy	L1	W
7123-300	300mm	1mm	±0.5mm	321mm	50mm
7123-600	600mm	1mm	±0.9mm	624mm	50mm
7123-1000	1000mm	1mm	±0.9mm	1024mm	50mm

## COMBINATION SQUARE (ECONOMIC TYPE)

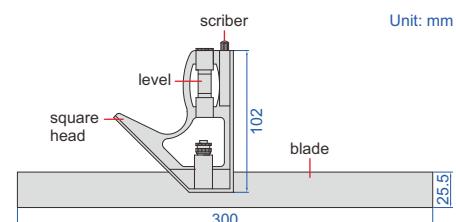
- Square head (made of zinc): set the blade at 90° or 45° to an edge of a workpiece accuracy:  $\pm 0.5^\circ$
- Blade (made of stainless steel): range: 300mm/12", graduation: 1mm and 1/32" on front face, 1mm and 1/16" on back face



2276-300

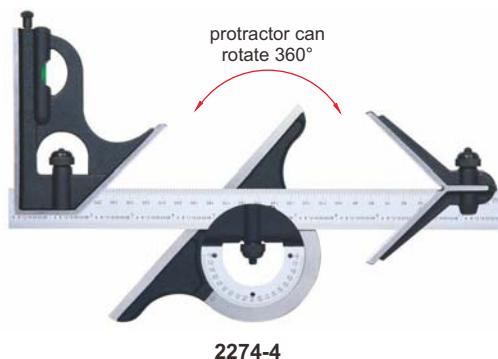


Unit: mm

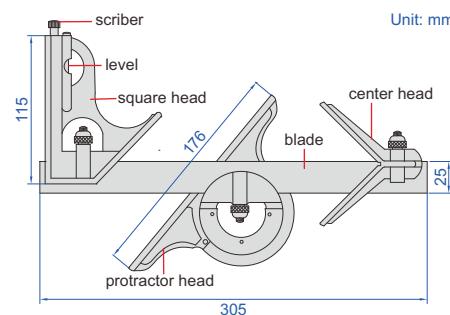


**Code**  
2276-300

## COMBINATION SQUARE SET (OPEN TYPE PROTRACTOR)

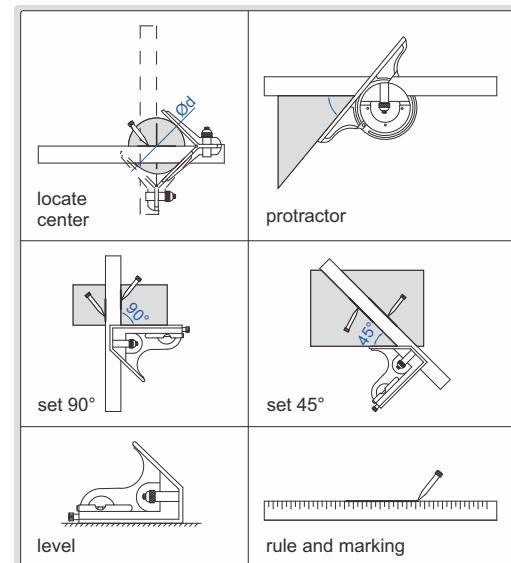


2274-4



Unit: mm

- Center head (made of cast iron): to locate center of cylinders with diameter ( $\varnothing d$ ): 30-100mm accuracy:  $\pm 0.15\text{mm}$
- Protractor head (made of cast iron): set the blade at desired angle to an edge of a workpiece, and can be used to measure angles range: 0-180° accuracy:  $\pm 20\text{min}$
- Square head (made of cast iron): set the blade at 90° or 45° to an edge of a workpiece accuracy:  $\pm 8\text{min}$  for 90° square,  $\pm 10\text{min}$  for 45° square
- Blade (made of stainless steel): range: 300mm/12", graduation: 0.5mm and 1/32" on front face, 1mm and 1/64" on back face
- Optional accessory: rigid rule (code 7113)

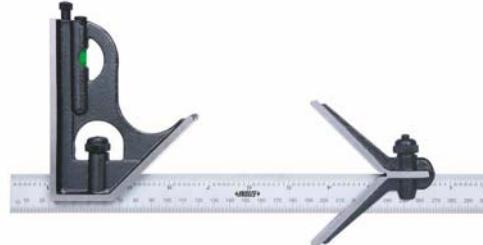


Code	Remark
2274-4	4-piece set

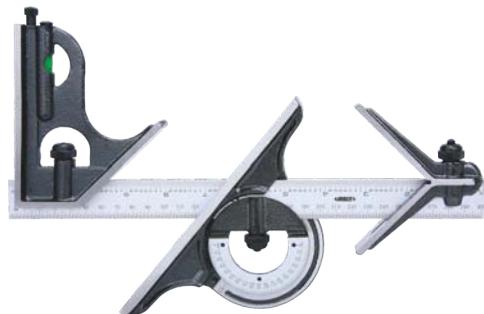
## COMBINATION SQUARE SETS (CLOSE TYPE PROTRACTOR)



2278-2

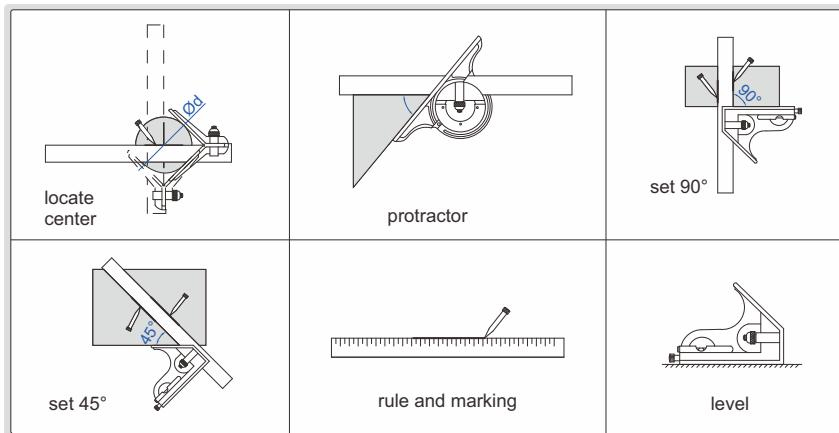
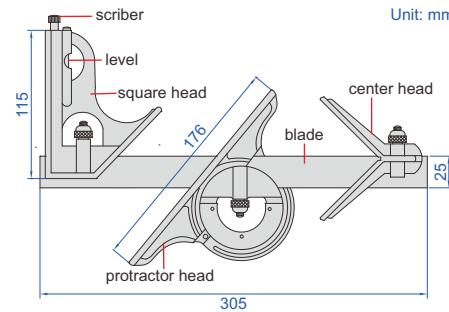


2278-3



2278-180

- Center head (made of cast iron):
  - to locate center of cylinders with diameter ( $\varnothing d$ ): 30-100mm
  - accuracy:  $\pm 0.15\text{mm}$
- Protractor head (made of cast iron):
  - set the blade at desired angle to an edge of a workpiece,
  - and can be used to measure angles
  - range:  $0\text{-}180^\circ$
  - accuracy:  $\pm 20\text{min}$ .
- Square head (made of cast iron):
  - set the blade at  $90^\circ$  or  $45^\circ$  to an edge of a workpiece
  - accuracy:  $\pm 8\text{min}$  for  $90^\circ$  square,
  - $\pm 10\text{min}$  for  $45^\circ$  square
- Blade (made of stainless steel):
  - range: 300mm/12"
  - graduation: 0.5mm and  $1/32''$  on front face,
  - 1mm and  $1/64''$  on back face
- Optional accessory: rigid rule (code 7113)



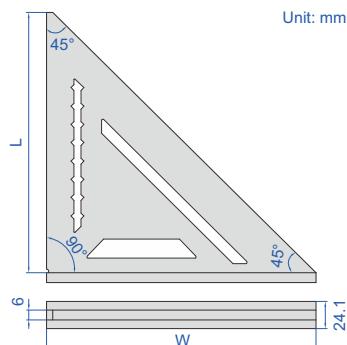
Code	Remark
2278-2	2-piece set
2278-3	3-piece set
2278-180	4-piece set

## PLASTIC ANGLE SQUARE

- Length range: 0-7", graduation: 1/8"
- Angel range: 0-90°, graduation: 1°



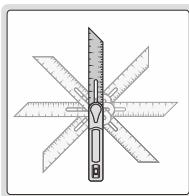
2282-180



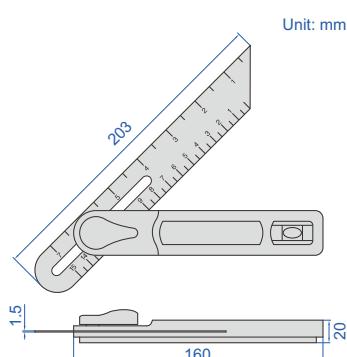
Code	Size (L×W)	Accuracy of angle
2282-180	180×185mm	±0.3°

## T-BEVEL

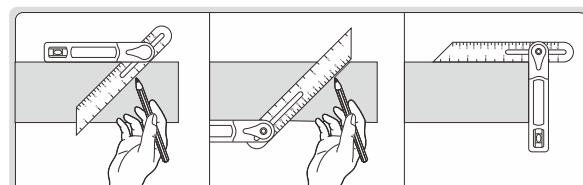
blade can rotate 360°



2281-360



- Easy-to-read vial
- The blade can move and can be locked by the clamping screw
- Stainless steel blade
- Tough rubber handle
- Centimeter/inch graduations



Code	Angle mark	Accuracy of angle
2281-360	15°, 30°, 45°, 60°, 90°	±1°

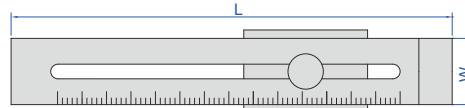
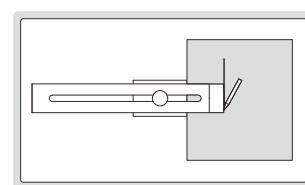
## MARKING GAGES



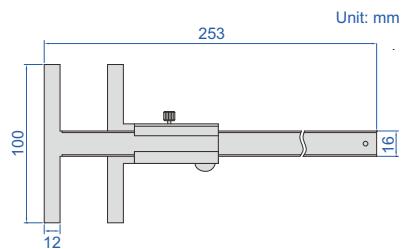
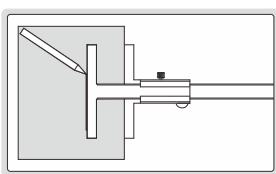
7120-200A

- Made of carbon steel
- Satin chrome plated

Code	Range	Graduation	Accuracy	L	W
7120-200A	0-200mm	0.1mm	±0.1mm	250mm	40mm
7120-250A	0-250mm	0.1mm	±0.1mm	300mm	40mm
7120-300A	0-300mm	0.1mm	±0.1mm	350mm	40mm



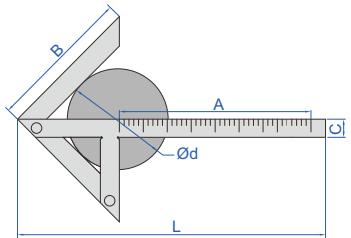
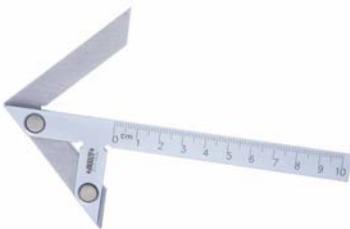
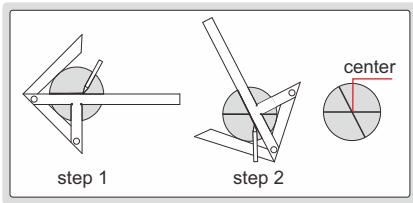
## T-SHAPE MARKING GAGE



- Made of stainless steel
- Satin chrome plated reading surface

Code	Range	Graduation	Accuracy
1275-150B	0-150mm	0.02mm	±0.04mm

## CENTER MARKING GAGES

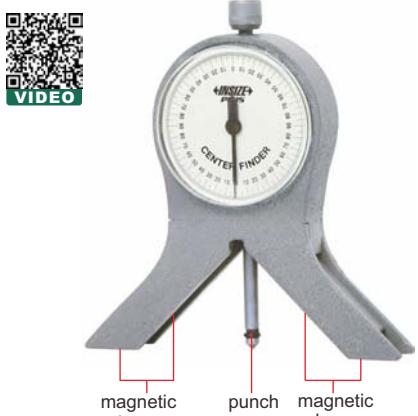


Code	Size (AxB)	Diameter of shafts (Ød)	Accuracy	C	L
7205-100	100x70mm	4-90mm	±0.15mm	12mm	153mm
7205-150	150x130mm	4-190mm	±0.15mm	15mm	245mm
7205-200	200x150mm	6-220mm	±0.15mm	15mm	310mm
7205-300	300x180mm	6-270mm	±0.15mm	20mm	435mm

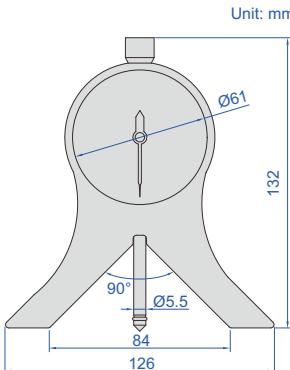
- Marking the center of round plates and shafts
- Made of stainless steel
- Satin chrome plated

## LOCATOR

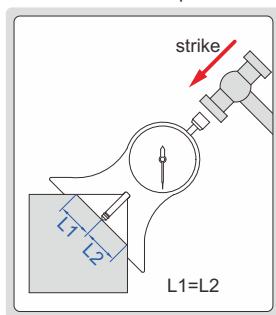
**INSIZE PLUS**  
MADE IN USA



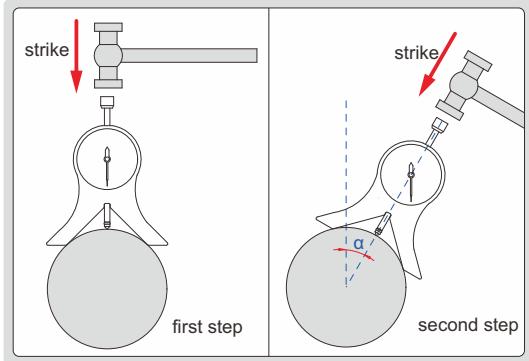
2849-90



mark the center position



mark the angle on cylindrical workpieces

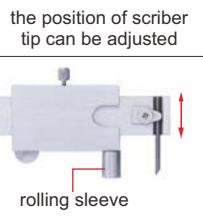


- Mark the position when drilling, milling or welding, suitable for cylindrical and rectangular workpieces
- The punch hardness is HRC59-63
- Optional accessory: punch (code 2849-P1)

Code	Range	Graduation	Accuracy	Dial reading
2849-90	4×90°	1°	±1°	0-90-0-90-0

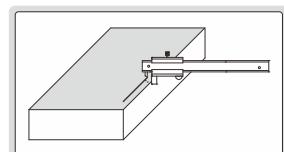
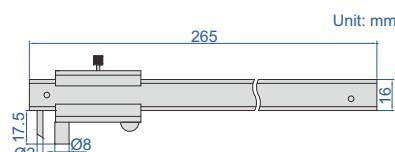
## SCRIBING CALIPER

- Made of stainless steel
- Satin chrome plated reading surface
- Carbide scribe tip
- Optional accessory: carbide scribe tip (code SP-SCRIBER-7202)



7202-200A

Code	Range	Graduation	Accuracy
7202-200A	0-200mm/0-8"	0.1mm, 1/128"	±0.1mm



## DIGITAL SCRIBING CALIPERS

- Non waterproof
- The carbide-tipped jaws facilitate scribing on workpieces
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

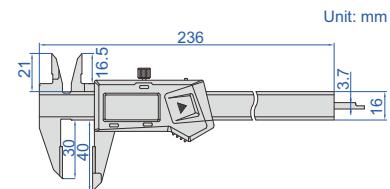
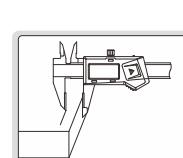
Code	Range	Accuracy
1166-150A	0-150mm/0-6"	±0.03mm

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

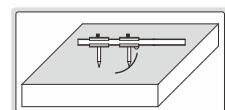
Code	Range	Accuracy
1166-150AWL	0-150mm/0-6"	±0.03mm



1166-150A



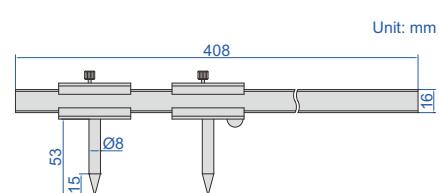
## SCRIBING CALIPER



7203-300A

- Made of stainless steel
- Satin chrome plated reading surface
- Hardened scribe tips

Code	Range	Graduation	Accuracy
7203-300A	51-300mm	0.1mm	±0.1mm



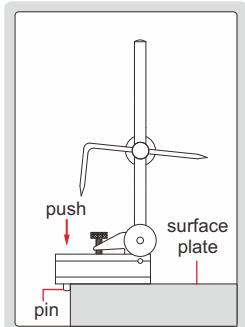
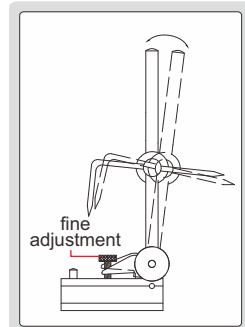
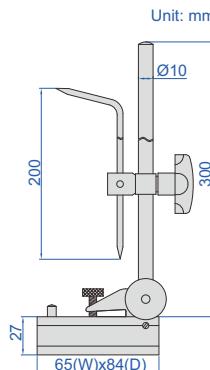
## HEIGHT SCRIBER

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

**Code**  
6990-300A



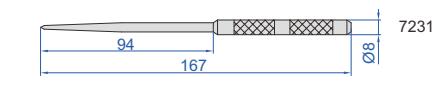
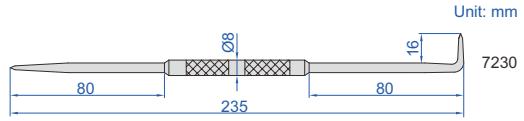
6990-300A



## SCRIBERS

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

Code	Tip
7230	hardened tips
7231	hardened tip
7232	carbide tip



## PRECISION SCREWDRIVER SET CODE ISGF-0901

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



ISGF-0901

packaging



## LED FLASHLIGHT CODE ISGF-0501

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



ISGF-0501

packaging



## MEASURING TOOLS REPAIR TOOL SET

- For repairing of calipers, micrometers and indicators
- Including:
  - 1) Slotted screwdriver, 1.4×20mm
  - 2) Slotted screwdriver, 2.0×20mm
  - 3) Slotted screwdriver, 2.4×25mm
  - 4) Slotted screwdriver, 3.0×25mm
  - 5) Cross screwdriver, 0#×25mm
  - 6) Cross screwdriver, 1#×25mm
  - 7) Magnetizer and demagnetizer
  - 8) Pointed tweezer, 125mm
  - 9) Mini needle-nose pliers, 5"
  - 10) Extended flat head allen wrench, 1.5×80mm
  - 11) Extended flat head allen wrench, 2.5×94mm
  - 12) Extended flat head allen wrench, 3×92mm
  - 13) Needle puller, 3 pcs
  - 14) Copper hammer, 126g
  - 15) Copper rod, Ø10×60mm
  - 16) Dial face suction cup, Ø30mm
  - 17) Oil stone, 100×20×10mm
  - 18) Cleaning brush
  - 19) Micrometer wrench
  - 20) Three point inside micrometer rod wrench, 2 pcs
  - 21) Anti rust oil, 30ml
  - 22) Special anti rust oil for micrometers, 30ml
  - 23) Dust free cloth, 5 pcs



7338-1

### Code

7338-1

## 2-PIECE MEASURING TOOL SETS

### Includes:

- 1) Vernier caliper, range 0-150mm/0-6", graduation 0.05mm/1/128" (code **1205-150S**) for **5021**, graduation 0.02mm/0.001" (code **1205-1502S**) for **5021-2**
- 2) Outside micrometer, range 0-25mm, graduation 0.01mm (code **3202-25A**)



5021

Code	Remark
5021	vernier caliper, graduation 0.05mm/1/128" (code <b>1205-150S</b> )
5021-2	vernier caliper, graduation 0.02mm/0.001" (code <b>1205-1502S</b> )

## 2-PIECE MEASURING TOOL SET

### Includes:

- 1) Digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005" (code **1108-150**)
- 2) Digital outside micrometer, range 0-25mm/0-1", resolution 0.001mm/0.00005" (code **3109-25A**)



5022

Code
5022

17

## 2-PIECE MEASURING TOOL SET

- Includes:
- 1) Dial test indicator, range 0.8mm,  
graduation 0.01mm (code **2380-08**)
- 2) Magnetic stand

**Code**  
**5023**



**5023**

## 2-PIECE MEASURING TOOL SET

- Includes:
- 1) Dial indicator, range 10mm,  
graduation 0.01mm (code **2308-10A**)
- 2) Magnetic stand (code **6201-60**)

**Code**  
**5024**



**5024**

## 3-PIECE MEASURING TOOL SET

- Includes:
- 1) Digital indicator, range 12.7mm/0.5",  
resolution 0.01mm/0.0005" (code **2112-10**)
- 2) Flex arm
- 3) Locking pliers, adjustable jaw opening  
from 0 to 25mm

**Code**  
**5031**



**5031**

## 3-PIECE MEASURING TOOL SET

- Includes:
- 1) Vernier caliper, range 0-150mm  
graduation 0.02mm (code **1205-1501S**)
- 2) Outside micrometer, range 0-25mm,  
graduation 0.01mm (code **3203-25A**)
- 3) Steel rule, range 150mm/6", graduation 0.5mm,  
1mm, 1/64", 1/32", 1/16" (code **7110-150**)
- 4) Dust free gloves and dust free cloth

**Code**  
**5032**



**5032**

## 4-PIECE MEASURING TOOL SETS



5041

■ Includes:

- 1) Vernier caliper, range 0-150mm/0-6", graduation 0.05mm/1/128" (code **1205-150S**) for **5041**, graduation 0.02mm/0.001" (code **1205-1502S**) for **5041-2**
- 2) Outside micrometer, range 0-25mm, graduation 0.01mm (code **3202-25A**)
- 3) 90° beveled edge square, 100x70mm, grade 0 (code **4790-1000**)
- 4) Steel rule, 150mm/6" (code **7110-150**)

Code	Remark
<b>5041</b>	vernier caliper, graduation 0.05mm/1/128" (code <b>1205-150S</b> )
<b>5041-2</b>	vernier caliper, graduation 0.02mm/0.001" (code <b>1205-1502S</b> )

## 4-PIECE MEASURING TOOL SET



5042

■ Includes:

- 1) Digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005" (code **1108-150**)
- 2) Outside micrometer, range 0-25mm, graduation 0.01mm, (code **3202-25A**)
- 3) 90° beveled edge square, 100x70mm, grade 0 (code **4790-1000**)
- 4) Steel rule, 150mm/6" (code **7110-150**)

Code
<b>5042</b>

## 5-PIECE MEASURING TOOL SET



5051

■ Includes:

- 1) Digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005", (code **1108-150**)
- 2) Outside micrometer, range 0-25mm, graduation 0.01mm (code **3203-25A**)
- 3) Dial indicator, range 10mm, graduation 0.01mm (code **2308-10A**)
- 4) Magnetic stand (code **6201-60**)
- 5) Micrometer stand (code **6300**)

Code
<b>5051</b>

## 5-PIECE MEASURING TOOL SET



5052

■ Includes:

- 1) Digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005" (code **1108-150**)
- 2) Digital outside micrometer, range 0-25mm/0-1", resolution 0.001mm/0.00005" (code **3109-25A**)
- 3) Digital indicator, range 12.7mm/0.5", resolution 0.01mm/0.0005" (code **2112-10**)
- 4) Magnetic stand (code **6201-60**)
- 5) Micrometer stand (code **6300**)

Code
<b>5052</b>

## 6-PIECE MEASURING TOOL SET

- Includes:

  - 1) Digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005" (code **1108-150**)
  - 2) Outside micrometer, range 0-25mm, graduation 0.01mm (code **3202-25A**)
  - 3) Dial indicator, range 10mm, graduation 0.01mm (code **2308-10FA**)
  - 4) 90° beveled edge square, 100x70mm, grade 0 (code **4790-1000**)
  - 5) Scriber (code **7230**)
  - 6) Steel rule, 150mm/6" (code **7110-150**)

**Code**  
**5061**



**5061**

## 6-PIECE MEASURING TOOL SET

- Includes:

  - 1) Digital caliper, range 0-150mm/0-6" resolution 0.01mm/0.0005" (code **1108-150**)
  - 2) Outside micrometer, range 0-25mm graduation 0.01mm (code **3202-25A**)
  - 3) 90° beveled edge square, 100x70mm grade 00 (code **4790-0100**)
  - 4) Straight edge, 100mm (code **4700-100**)
  - 5) Spring divider, 150mm (code **7260-150**)
  - 6) Steel rule, 200mm/8" (code **7110-200**)

**Code**  
**5062**



**5062**

## 6-PIECE MEASURING TOOL SETS

- Includes:

  - 1) Vernier caliper, range 0-150mm/0-6", graduation 0.05mm/1/128" (code **1205-150S**) for **5063**, graduation 0.02mm/0.001" (code **1205-1502S**) for **5063-2**
  - 2) Outside micrometer, range 0-25mm graduation 0.01mm (code **3202-25A**)
  - 3) 90° beveled edge square, 100x70mm grade 00 (code **4790-0100**)
  - 4) Straight edge, 100mm (code **4700-100**)
  - 5) Spring divider, 150mm (code **7260-150**)
  - 6) Steel rule, 200mm/8" (code **7110-200**)

<b>Code</b>	<b>Remark</b>
<b>5063</b>	vernier caliper, graduation 0.05mm/1/128" (code <b>1205-150S</b> )
<b>5063-2</b>	vernier caliper, graduation 0.02mm/0.001" (code <b>1205-1502S</b> )



**5063**

## 8-PIECE MEASURING TOOL SET

- Includes:
- 1) Digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005" (code **1108-150**)
- 2) Digital outside micrometer, range 0-25mm/0-1", graduation 0.001mm/0.00005" (code **3109-25A**)
- 3) Dial test indicator, range 0.8mm, graduation 0.01mm (code **2380-08**)
- 4) Magnetic stand (code **6201-60**)
- 5) Parallel/square set, 75x50x25mm (code **6531-25**)
- 6) Steel rule, 150mm/6" (code **7110-150**)
- 7) Depth base attachment (code **6140**)
- 8) Zero setting bar for depth base attachment

**Code**  
**5081**



**5081**

## 9-PIECE MEASURING TOOL SET

- Includes:
- 1) Digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005" (code **1108-150**)
- 2) Outside micrometer, range 0-25mm, graduation 0.01mm (code **3202-25A**)
- 3) Protractor, range 0-180°, graduation 1° (code **4799-180**)
- 4) Pitch gauge, range 0.25-7mm, 24 pcs, metric 60° thread (code **4820-124**)
- 5) Radius gauge, range 1-7mm (code **4801-17**)
- 6) Feeler gauge, range 0.05-1.00mm, 20 pcs (code **4602-20**)
- 7) 90° beveled edge square, 100x70mm, grade 0 (code **4790-1000**)
- 8) Scriber (code **7230**)
- 9) Steel rule, 150mm/6" (code **7110-150**)

**Code**  
**5091**



**5091**

## 13-PIECE MEASURING TOOL SET

- Includes:
- 1) Digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005" (code **1108-150**)
- 2) Outside micrometer, range 0-25mm, graduation 0.01mm (code **3202-25A**)
- 3) Dial indicator, range 10mm, graduation 0.01mm (code **2308-10A**)
- 4) Magnetic stand (code **6201-60**)
- 5) Protractor, range 0-180°, graduation 1° (code **4799-180**)
- 6) Pitch gauge, range 0.25-7mm, 24 pcs, metric 60° thread (code **4820-124**)
- 7) Radius gauge, range 1-7mm (code **4801-17**)
- 8) Feeler gauge, range 0.05-1.00mm, 20 pcs (code **4602-20**)
- 9) 90° beveled edge square, 100x70mm, grade 0 (code **4790-1000**)
- 10) Scriber (code **7230**)
- 11) Steel rule, 150mm/6" (code **7110-150**)
- 12) Depth base attachment (code **6140**)
- 13) Zero setting bar for depth base attachment

**Code**  
**5013**



**5013**