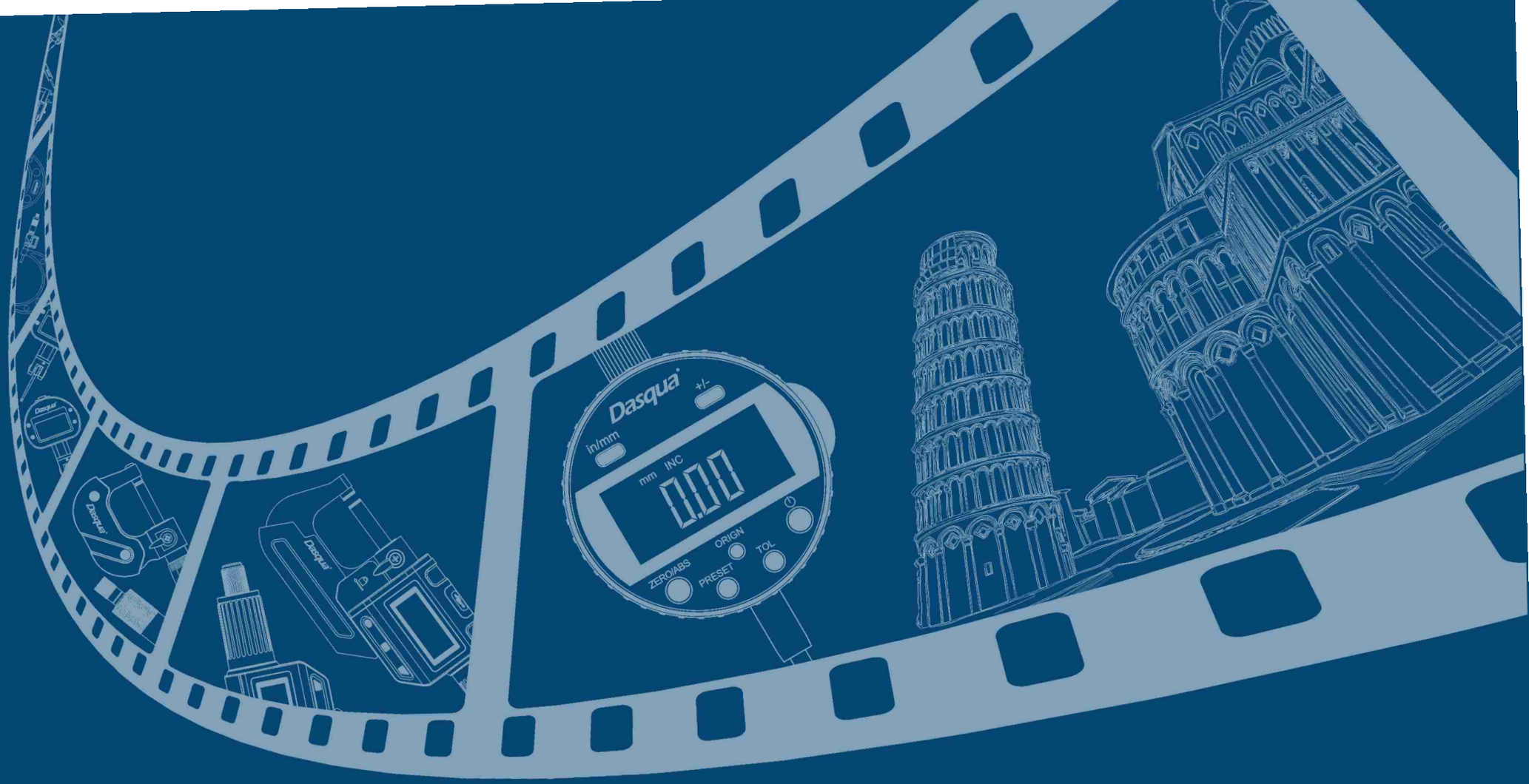


Dasqua®

2025-2026

Forza Blu!

The color of the year 2020 is classic blue. According to pantone institute, it is the color of traditional blue Jeans, fresh blueberries and the timeless consistency and reassurance presented by DASQUA.

Long ago in the early 1980s, when Dasqua embarked on supplying machinist calipers in Nord Italy, most of us looked at present as the future. But today we are here! The blue Dasqua are now deemed to be the symbol of reliability in our field. Combining both the tradition and spirit, with headquarters in Lodi, Italy, and two additional fulfillment facility strategically located in Los Angles.(for Pan-America), and Shanghai(For Asia area),Dasqua is currently serving customers in more than 50 countries globally.

The past decades have witnessed a significant change at Dasqua. And the results were driven by an array of tiny improvements. In 2008, we launched the first rechargeable digital caliper in the World, granted global patent. Last year, we changed to a latest carbide material for micrometer anvils. This new carbide replaces the traditional YG6 carbide which would naturally wear off, so now we have long-lasting accuracy assured. We also started making precision ground STAINLESS STEEL threading rod this year to instead the alloy steel or carbon steel rods used for transmission of measurement. This change is a substantive innovation for movement in worksites where water or oil is a problem. These small improvements are sending ripples across the ocean of our industry. And now we are working on a wireless data transmission system covering major measuring tools, optimizing manufacturing and QC management.

Above all, no matter it is a marble-material plate sourced from China or a 100% European made 0.001mm resolution dial test indicator, we deliver you with pride and confidence----when it comes to precision measurement, Dasqua makes the difference in the lineup.
Our statement of core value as well as our long cultivated common culture at Dasqua is:
Honest; Reliability; Responsibility. ---------H.R.R

Facing with the keen competition and continuing requirement of customers, we quite understand that even we have gained all these achievement, the decline is always in the offing. We can never stop our step.

If you have any suggestions, or comments, please feel free to advise us. We value that as the most pivotal impulse for our pace forward. We, at Dasqua, will keep striving to ensure our blue products are the best for you as before, and always into the future!

Yours truly
The Dasqua team

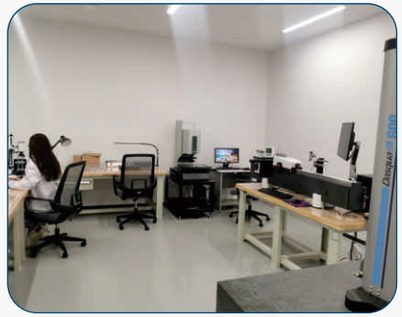
ABOUT US

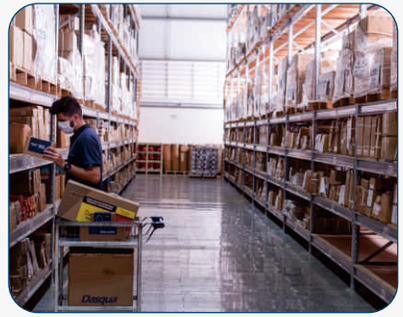
MANUFACTURING

We are now still keeping exact procedure combined with state-of-the-art machinery for our precision machining process while improving product by using latest material and applying new engineering procedure.

TRACEABLE QC SYSTEM

Every piece of Dasqua measuring tools is tested for approval by international in-door CNAS-qualified Labs, which are equipped with inspection system and devices from ZEISS, HAIMER, and MARPOS. Calibration certificate attached with product is traceable with respective DIN and ANSI standards. Strict visual inspection is applied to avoid any slight scratch even on non-measuring surface.





FAST DELIVERY

We owned fast delivery from-stock (Europe, America, Asia) And we also have set the target of 90% fulfillment rate in our distributions by the end of 2020,covering 800+ most popular used sizes/specifications in stock to meet the daily requirement of customers globally.

WARRANTY AND SERVICE/TRAINING COURSE

Warranty is an indication of manufacturers confidence for the product they supplied. All Dasqua measuring tools are guaranteed for TWO years(Starting from invoice date) on accuracy and workmanship. Weprovide all spare parts and training -courses for our national agents and distributors worldwide. All final customers can obtain technical support from local distributor or online (www.Dasquatools.com).

GLOBAL DISTRIBUTION NETWORK

OVER 85% FULLFILLMENT FROM STOCK

SAN DIEGO
USA

DASQUA MANUFACTURING

• Warehouse and logistic center

• Laboratory with CNAS certification

• Office center

• Workshop

DASQUA QUALITY ASSURANCE

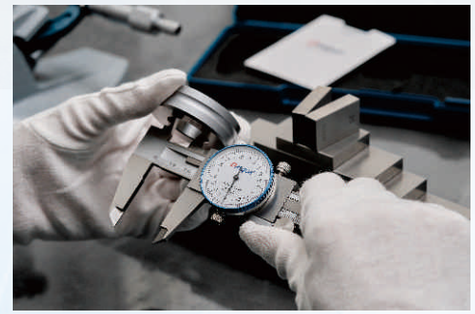
Dasqua, with its excellent quality assurance, provides high-quality products to customers. Dasqua is one of the few comprehensive group enterprises in the industry that integrates R&D, production, inspection, and after-sales service for more than 50 countries worldwide. Dasqua has established an advanced precision testing laboratory and obtained the Laboratory Accreditation Certificate from ilac-MRA and CNAS, with a globally traceable number CNAS L17704.

PROFESSIONAL TEAM AND EQUIPMENT:

Dasqua has a professional inspection team of 40 people, equipped with a series of automated inspection equipment from Germany, Italy, the Netherlands, Switzerland, and other countries, including:

- Laser Length Measuring Machine
- Precision Co-ordinate Measuring Machine
- Automatic Photo Dial Calibrator
- Thread Master Scanner
- Gauge Block and Ring Gauge Calibrator

These devices are widely used in the inspection and measurement of Dasqua products, ensuring the credibility and traceability of Dasqua products.



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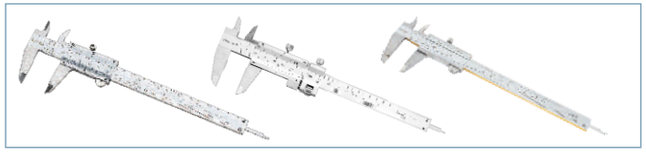

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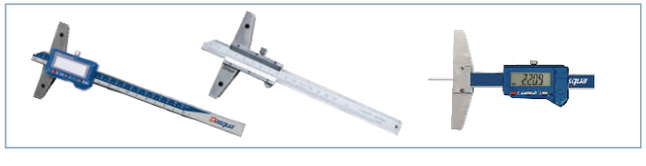

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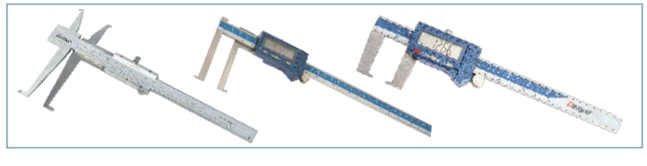

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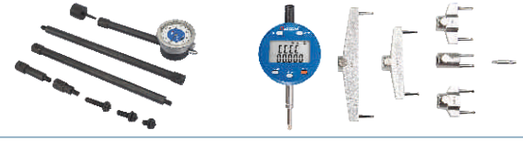

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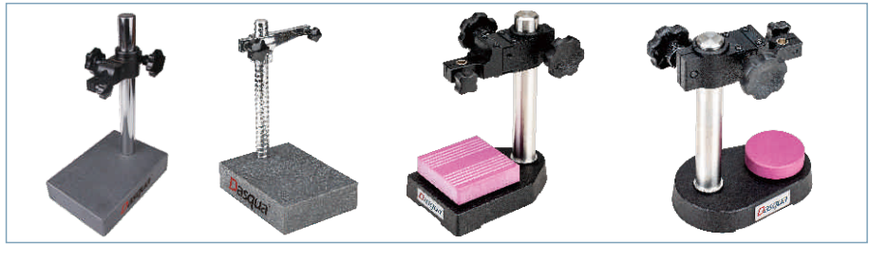

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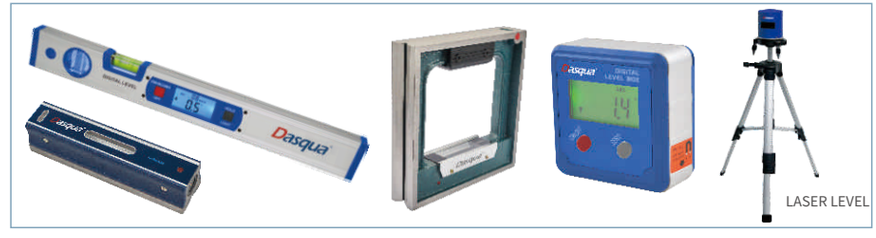

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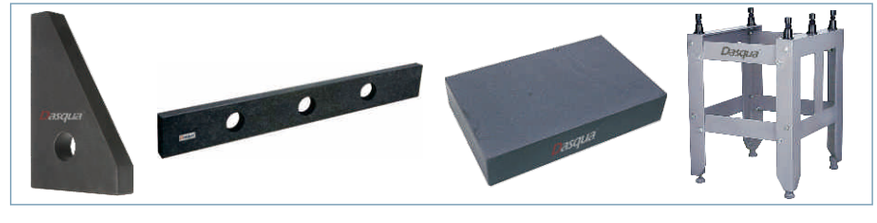

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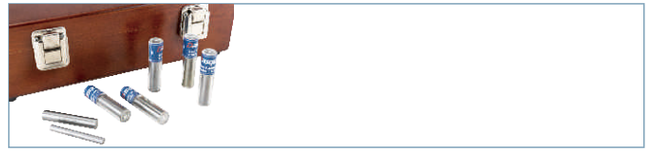

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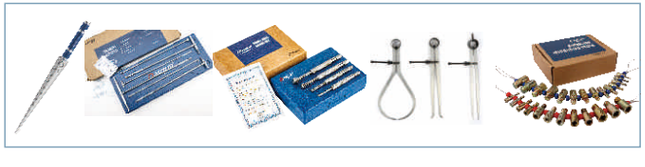

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Dasqua Blu	Dasqua Blu MADE IN USA	Dasqua Blu MADE IN GERMANY
The products with this mark are premium quality, otherwise the products are standard quality.	The products with this mark are premium quality, and its originally from USA	The products with this mark are premium quality, and its originally from Germany

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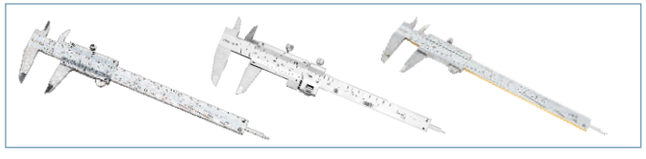
9212-1120	F 18
9212-1125	F 18
9212-2005	F 17
9212-2010	F 17
9212-2015	F 17
9212-2020	F 17
9212-2025	F 17
9212-2030	F 17
9212-2035	F 17
9213-4005	H 27
9213-4010	H 27
9213-4015	H 27
9222-3102	F 19
9222-3104	F 19
9222-3105	F 13
9222-3106	F 19
9222-3110	F 13
9222-3115	F 13
9241-3105	A 43
9241-3110	A 43
9241-3115	A 43
9251-1105	F 22
9251-1110	F 22
9251-1115	F 22
9251-1120	F 22
9251-1125	F 22
9272-1005	F 14
9272-1010	F 14
9272-1015	F 14
93	
9310-4105	F 16
9310-4110	F 16
9310-4115	F 16
9310-4120	F 16
9310-4125	F 16
9310-4126	F 16
9310-4130	F 16
9310-4150	F 16
9312-0005	F 16
9312-0010	F 16
9312-0015	F 16
9312-0020	F 16
9312-0025	F 16
9312-0030	F 16
9312-0035	F 16
9312-0040	F 16
9312-0045	F 16
9312-0050	F 16
9312-0055	F 16
9312-0060	F 16
9312-0065	F 16
9315-1105	F 15
9315-1110	F 15
9315-1115	F 15
9315-1120	F 15
9315-1125	F 15
9315-1126	F 15
9315-1130	F 15
9333-0020	F 22
9333-0025	F 22
9333-0030	F 22
9333-0035	F 22
9333-0040	F 22
9333-0045	F 22
9333-0050	F 23
9333-0055	F 23
9333-0060	F 23
9333-0065	F 23
9333-0070	F 23
9333-0075	F 23
9333-3105-A	F 23
9333-3110-A	F 23
9333-3115-A	F 23
9333-3120-A	F 23
9383-2205	F 21
94	
9411-1205	F 24
9412-4105	F 24
9412-4110	F 24
9412-4115	F 25

CALIPER

BORN IN ITALY, RAISED BY THE WORLD

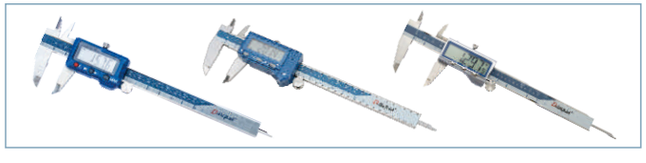
02-06 VERNIER CALIPER



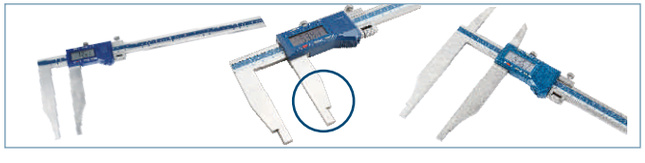
06-10 HEAVY DUTY VERNIER CALIPER

11-15 DIAL CALIPER

16-24 DIGITAL CALIPER

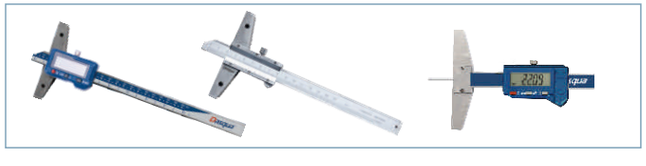


25-28 HEAVY DUTY DIGITAL CALIPER

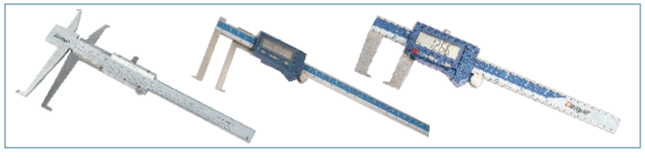


29-33 DEPTH CALIPER

34-35 DEPTH CALIPER FOR SPECIAL MEASURING

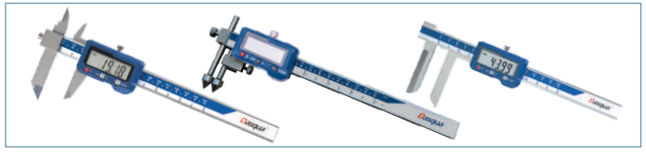


36-42 CALIPER FOR GROOVE MEASURING



42-44 CALIPER FOR SCRIBING

45-60 CALIPER FOR SPECIAL MEASURING

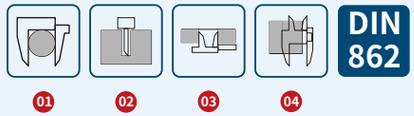


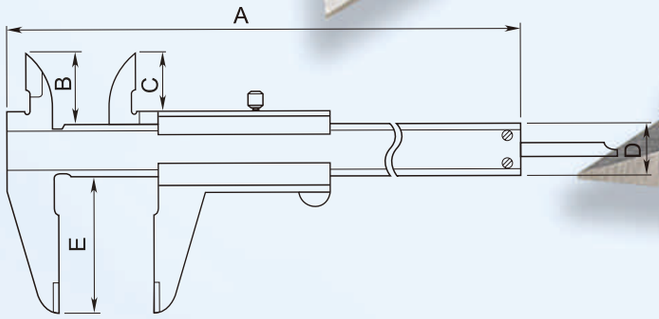
61-63 CALIPER RELATED PRODUCTS

63-66 SCALES

MONOBLOCK VERNIER CALIPER

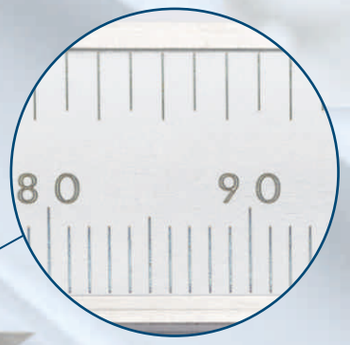
- Strictly made in accordance with DIN862
- Supplied in fitted solid ABS case and warranty card in it





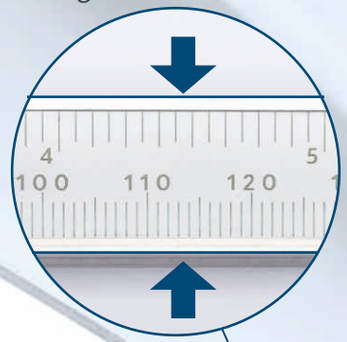
Unit:mm

Code	Range	Graduation	A	B	C	D	E	Accuracy
1120-3115	0-150/0-6"	0.05/1/128"	235	21	16.5	16	40	0.05
1120-3120	0-200/0-8"	0.05/1/128"	298	24	19.5	16	50	0.05
1120-3130	0-300/0-12"	0.05/1/128"	410	28	22	20	64	0.05
1380-3005	0-150/0-6"	0.02/0.001"	235	21	16.5	16	40	0.03
1380-3010	0-200/0-8"	0.02/0.001"	298	24	19.5	16	50	0.03
1380-3015	0-300/0-12"	0.02/0.001"	410	28	22	20	64	0.03



- Distinct lines and figures laser etched on satin chrome finish beam

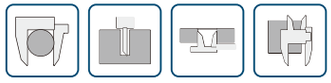
- Surfaces of beam ground (Parallelism less than 0.015, 20% better than normal) to ensure smooth movement throughout

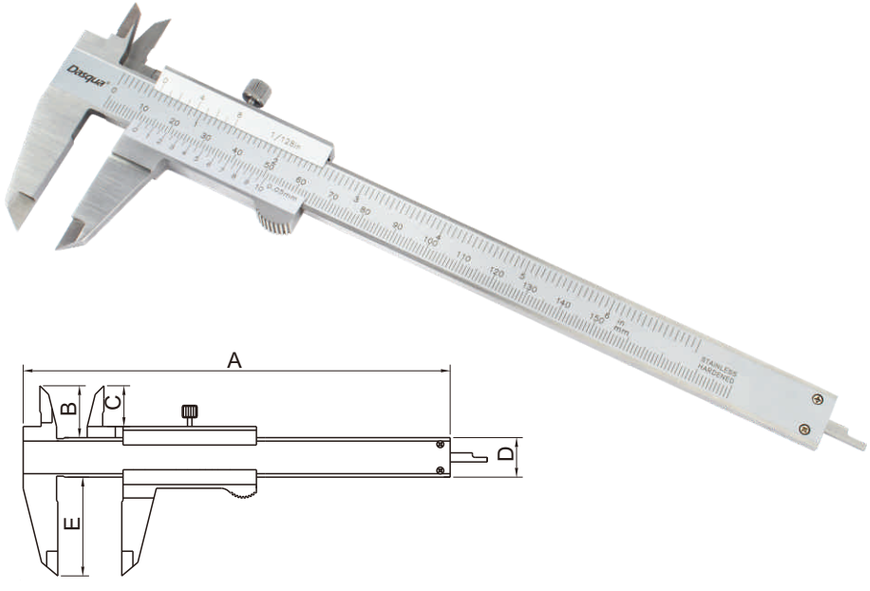


- Jaws ground to raise the accuracy of measurement

A

MONOBLOCK VERNIER CALIPER



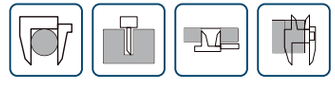


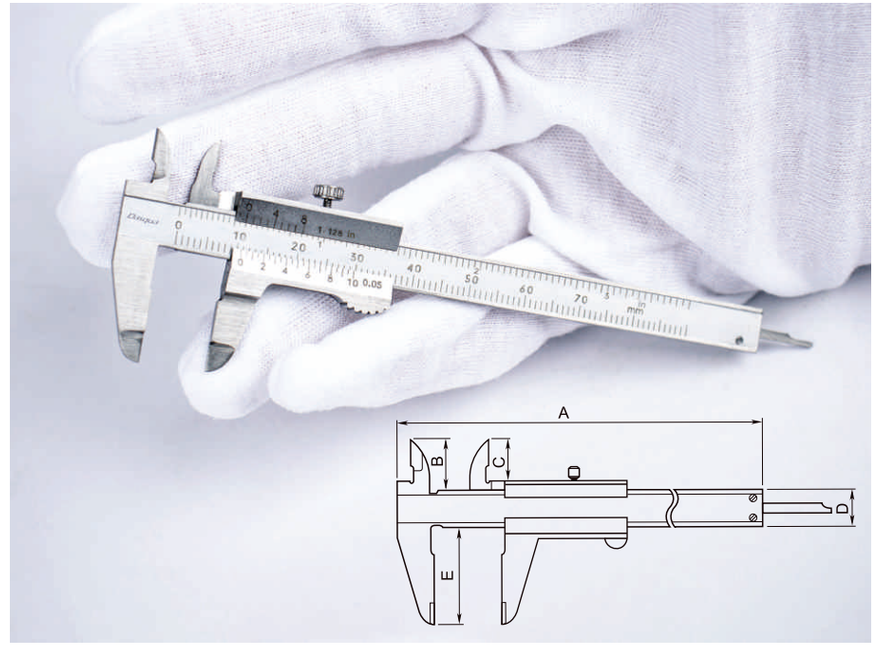
- Monoblock structure
- Made of solid stainless steel
- With locking screw for stable reading
- Distinct lines and figures etched against satin chrome finish
- 4 usages for measuring outside diameter, inside diameter, step and depth

Unit:mm

Code	Range	Graduation	A	B	C	D	E	Accuracy
1120-3135	0-150mm/0-6"	0.05mm/ 1/128"	233	21	16.5	16	40	0.05
1120-3140	0-200mm/0-8"	0.05mm/ 1/128"	288	23.5	19	16	50	0.05
1120-3145	0-300mm/0-12"	0.05mm/ 1/128"	405	30	24.5	20	62	0.05
1380-3035	0-150mm/0-6"	0.02mm/0.001"	233	21	16.5	16	40	0.05
1380-3040	0-200mm/0-8"	0.02mm/0.001"	288	23.5	19	16	50	0.05
1380-3045	0-300mm/0-12"	0.02mm/0.001"	405	30	24.5	20	62	0.05

MINI VERNIER CALIPER



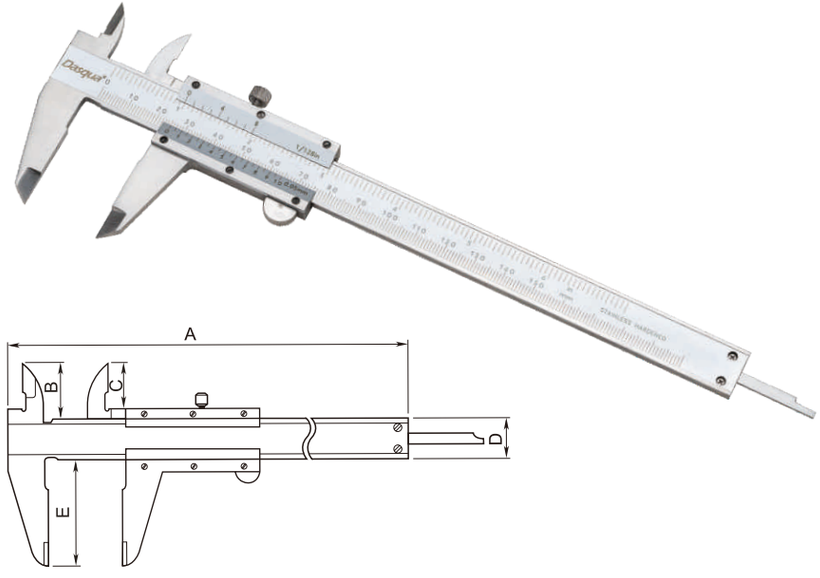


- 4 usages for measuring outside diameter, inside diameter, step and depth
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- With locking screw for stable reading
- Monoblock structure
- Distinct lines and figures etched against satin chrome finish

Unit:mm

Code	Range	Graduation	A	B	C	D	E	Accuracy
1120-3113	0-70/0-3"	0.05/1/128"	113	11	8	8	19	±0.05
1380-3004	0-100/0-4"	0.02/0.001"	160	17.5	13	12	30	±0.03
1120-3114	0-100/0-4"	0.05/1/128"	160	17.5	13	12	30	±0.05

VERNIER CALIPER



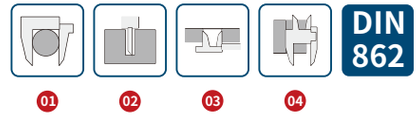
- 4 usages for measuring outside diameter, inside diameter, step and depth
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- Distinct lines and figures etched against satin chrome finish
- With locking screw for stable reading

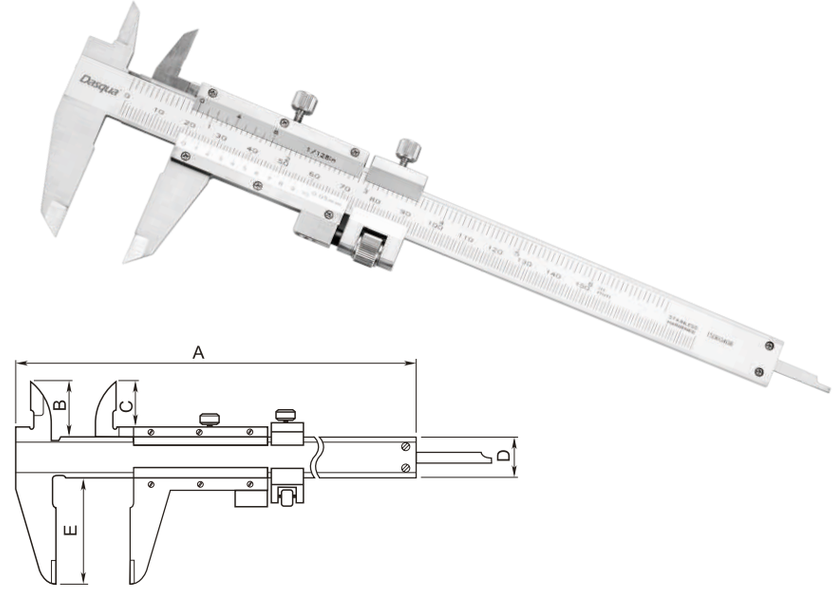
Unit:mm

Code	Range	Graduation	A	B	C	D	E	Accuracy
1110-3114	0-100/0-4"	0.05/1/128"	160	18	13.5	12	30	0.05
1110-3115	0-150/0-6"	0.05/1/128"	235	21	16.5	16	40	0.05
1110-3120	0-200/0-8"	0.05/1/128"	298	24	19.5	16	50	0.05
1110-3130	0-300/0-12"	0.05/1/128"	410	26	20	18	55	0.05
1550-2004	0-100/0-4"	0.02/0.001"	160	18	13.5	12	30	0.03
1550-2005	0-150/0-6"	0.02/0.001"	235	21	16.5	16	40	0.03
1550-2010	0-200/0-8"	0.02/0.001"	298	24	19.5	16	50	0.03
1550-2015	0-300/0-12"	0.02/0.001"	410	26	20	18	55	0.03

VERNIER CALIPER

WITH FINE ADJUSTMENT





- 4 usages for measuring outside diameter, inside diameter, step and depth
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- Distinct lines and figures etched against satin chrome finish
- With locking screw for stable reading
- With fine adjustment

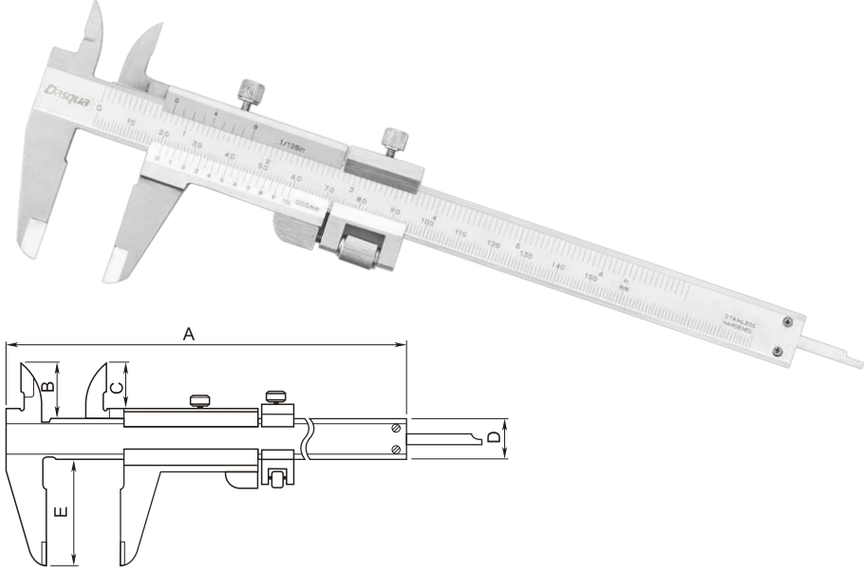
Unit:mm

Code	Range	Graduation	A	B	C	D	E	Accuracy
1210-3105	0-130/0-5"	0.05/1/128"	235	21	16.5	16	40	0.05
1210-3110	0-180/0-7"	0.05/1/128"	298	24	19.5	16	50	0.05
1210-3115	0-280/0-11"	0.05/1/128"	410	26	20	18	55	0.05
1490-7005	0-130/0-5"	0.02/0.001"	235	21	16.5	16	40	0.03
1490-7010	0-180/0-7"	0.02/0.001"	298	24	19.5	16	50	0.03
1490-7015	0-280/0-11"	0.02/0.001"	410	26	20	18	55	0.03

A

MONOBLOCK VERNIER CALIPER

WITH FINE ADJUSTMENT



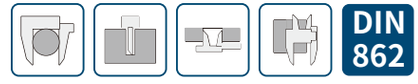
- 4 usages for measuring outside diameter, inside diameter, step and depth
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- Distinct lines and figures etched against satin chrome finish
- With locking screw for stable reading
- With fine adjustment

Unit:mm

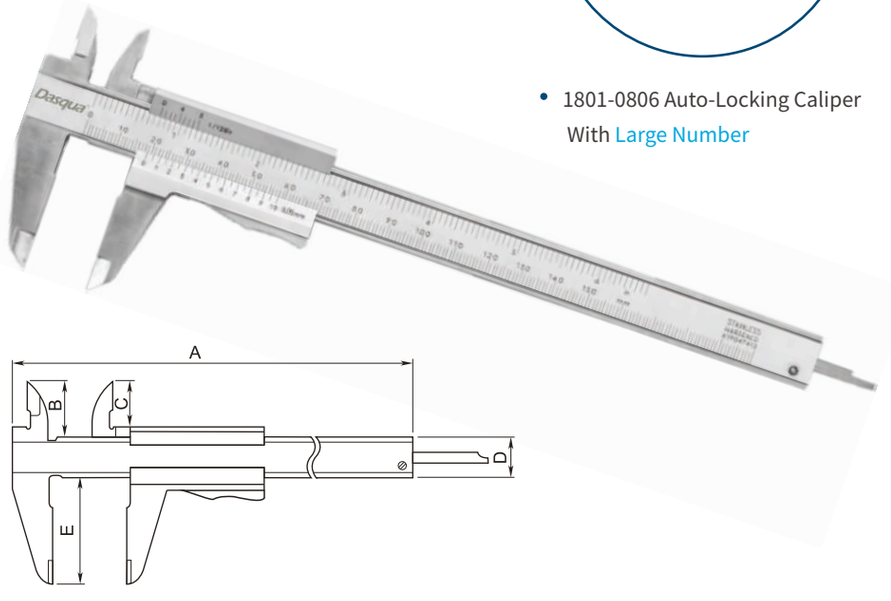
Code	Range	Graduation	A	B	C	D	E	Accuracy
1220-3105	0-130/0-5"	0.05/1/128"	235	21	16.5	16	40	0.05
1220-3110	0-180/0-7"	0.05/1/128"	298	24	19.5	16	50	0.05
1220-3115	0-280/0-11"	0.05/1/128"	410	28	22	20	64	0.05
1560-7005	0-130/0-5"	0.02/0.001"	235	21	16.5	16	40	0.03
1560-7010	0-180/0-7"	0.02/0.001"	298	24	19.5	16	50	0.03
1560-7015	0-280/0-11"	0.02/0.001"	410	28	22	20	64	0.03

MONOBLOCK VERNIER CALIPER

WITH AUTO-LOCKING



- 1801-0806 Auto-Locking Caliper With Large Number



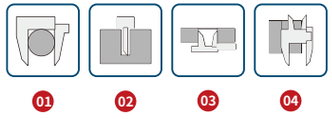
- The whole blade of the beam is vacuum hardened with uniform hardness, guaranteeing wear-resistance and longer service life
- The upper and lower parts of the ruler are precisely ground to ensure smooth use
- Strictly in accordance with DIN862 standard
- Made of high quality stainless steel

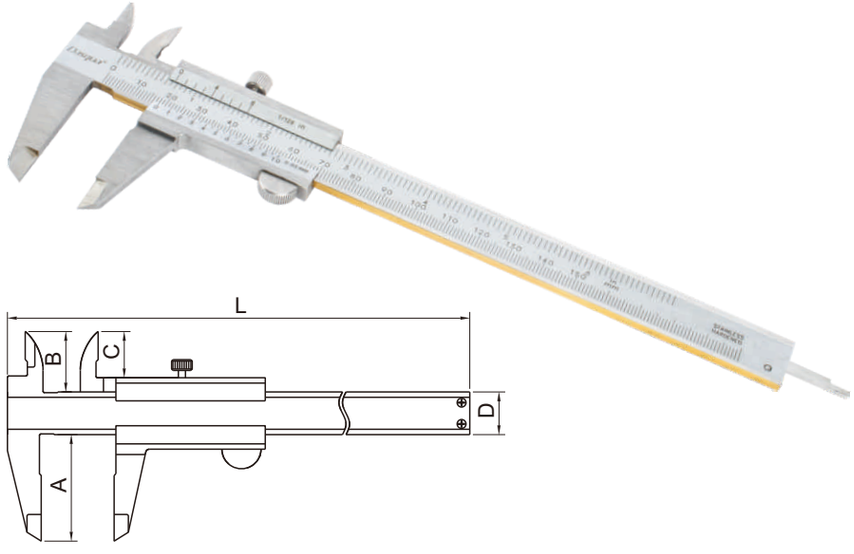
Unit:mm

Code	Range	Graduation	A	B	C	D	E	Accuracy
1801-0810	0-150/0-6"	0.05/1/128"	235	21	16.5	16	40	0.05
1801-0809	0-150/0-6"	0.02/0.001"	235	21	16.5	16	40	0.03
1801-0806	0-150	0.05	235	21	16.5	16	40	0.05

VERNIER CALIPER MONOBLOCK

WITH TIN COATED BEAM FACE





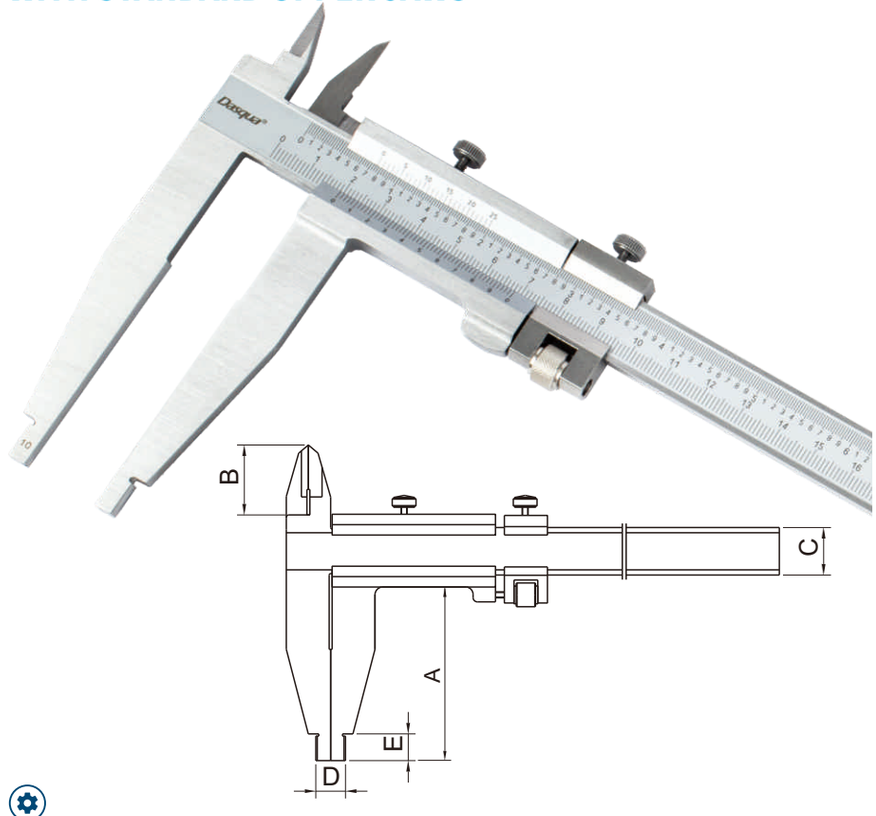
- Main ruler body is plated with titanium, durable
- Monoblock structure
- Made of solid stainless steel, with locking screw for stable reading
- Distinct lines and figures etched against satin chrome finish
- 4 usages for measuring outside diameter, inside diameter, step and depth

Unit:mm

Code	Range	Graduation	A	B	C	D	L	Accuracy
1801-0505	0-150mm/0-6"	0.05mm/ 1/128"	40	21	16.5	16	230	±0.03
1801-0510	0-200mm/0-8"	0.05mm/ 1/128"	50	24	19.5	16	305	±0.03
1801-0515	0-300mm/0-12"	0.05mm/ 1/128"	62	26	20.5	20	418	±0.04
1640-1005	0-150mm/0-6"	0.02mm/ 0.001"	40	21	16.5	16	230	±0.03
1640-1010	0-200mm/0-8"	0.02mm/ 0.001"	50	24	19.5	16	305	±0.03
1640-1015	0-300mm/0-12"	0.02mm/ 0.001"	62	26	20.5	20	418	±0.04

MONOBLOCK VERNIER CALIPER

WITH STANDARD UPPER JAWS



- With fine adjustment
- Hardened ground jaws with precision lapped measuring faces
- Satin chrome finish,hardened stainless steel throughout for longer life
- Distinct lines and figures etched against satin chrome finish

Unit:mm

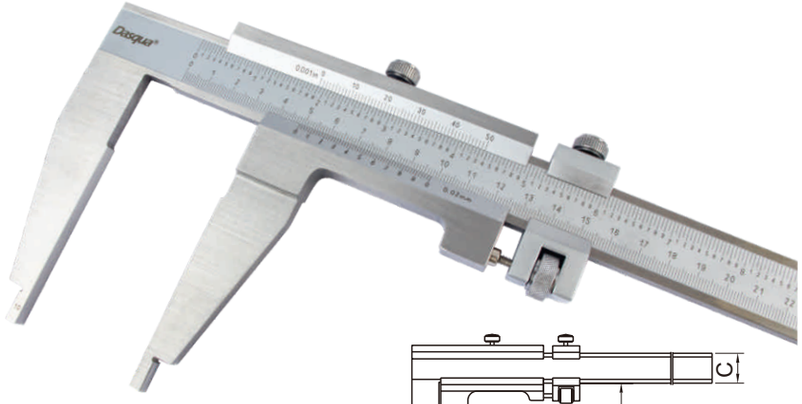
Code	Range	Graduation	A	B	C	D	E	Accuracy
1300-5005	0-300mm/12"	0.02mm/ 0.001"	90	23	17	10	10	±0.09
1300-5010	0-500mm/0-20"	0.02mm/ 0.001"	100	40	25	10	12	±0.07
1300-5015	0-500mm/0-20"	0.02mm/ 0.001"	150	40	25	10	12	±0.12
1300-5020	0-600mm/0-24"	0.02mm/ 0.001"	100	40	25	10	12	±0.08
1300-5025	0-800mm/0-32"	0.02mm/ 0.001"	150	47	32	20	18	±0.14
1300-5030	0-1000mm/0-40"	0.02mm/ 0.001"	150	47	32	20	18	±0.14

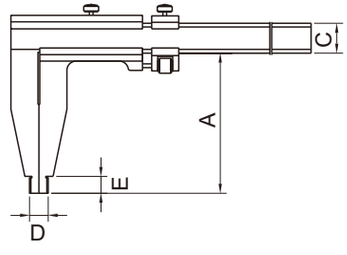
A

MONOBLOCK VERNIER CALIPER

BEST SELLER

WITH O.D. AND I.D. JAWS





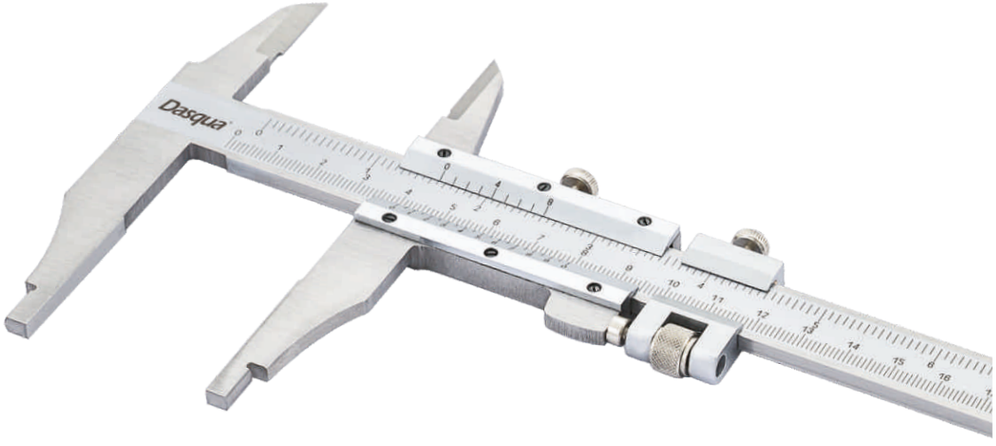
- With fine adjustment
- Hardened ground jaws with precision lapped measuring faces
- Satin chrome finish,hardened stainless steel throughout for longer life
- Distinct lines and figures etched against satin chrome finish

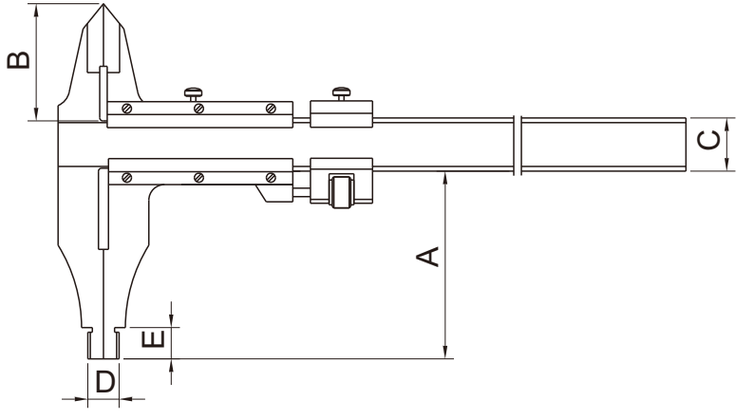
Unit:mm

Code	Range	Graduation	A	C	D	E	Accuracy
1310-0004	0-200mm/0-8"	0.02mm/ 0.001"	60	17	10	10	±0.03
1310-0028	0-250mm/0-10"	0.02mm/ 0.001"	60	17	10	10	±0.04
1310-0065	0-250mm/0-10"	0.02mm/ 0.001"	90	17	10	10	±0.09
1310-0050	0-300mm/0-12"	0.02mm/ 0.001"	60	17	10	10	±0.04
1310-0030	0-300mm/0-12"	0.02mm/ 0.001"	90	17	10	10	±0.09
1310-0070	0-300mm/0-12"	0.02mm/ 0.001"	125	25	10	12	±0.12
1310-0031	0-300mm/0-12"	0.02mm/ 0.001"	150	25	10	12	±0.15
1310-0005	0-500mm/0-20"	0.02mm/ 0.001"	100	25	10	12	±0.05
1310-0035	0-500mm/0-20"	0.02mm/ 0.001"	125	25	10	12	±0.10
1310-0006	0-500mm/0-20"	0.02mm/ 0.001"	150	25	10	12	±0.12
1310-0007	0-500mm/0-20"	0.02mm/ 0.001"	200	25	10	12	±0.16
1310-0008	0-500mm/0-20"	0.02mm/ 0.001"	250	25	10	12	±0.20
1310-0009	0-500mm/0-20"	0.02mm/ 0.001"	300	25	10	12	±0.24
1310-0010	0-600mm/0-24"	0.02mm/ 0.001"	100	25	10	12	±0.05
1310-0040	0-600mm/0-24"	0.02mm/ 0.001"	125	25	10	12	±0.10
1310-0011	0-600mm/0-24"	0.02mm/ 0.001"	150	25	10	12	±0.12
1310-0012	0-600mm/0-24"	0.02mm/ 0.001"	200	25	10	12	±0.16
1310-0041	0-600mm/0-24"	0.02mm/ 0.001"	250	25	10	12	±0.22
1310-0042	0-600mm/0-24"	0.02mm/ 0.001"	300	25	10	12	±0.26
1310-0085	0-800mm/0-32"	0.02mm/ 0.001"	125	32	20	18	±0.06
1310-0090	0-800mm/0-32"	0.02mm/ 0.001"	150	32	20	18	±0.14
1310-0043	0-800mm/0-32"	0.02mm/ 0.001"	200	32	20	18	±0.18
1310-0095	0-800mm/0-32"	0.02mm/ 0.001"	250	32	20	18	±0.20
1310-0044	0-800mm/0-32"	0.02mm/ 0.001"	300	32	20	18	±0.24
1310-0015	0-1000mm/0-40"	0.02mm/ 0.001"	125	32	20	18	±0.07
1310-0060	0-1000mm/0-40"	0.02mm/ 0.001"	150	32	20	18	±0.14
1310-0016	0-1000mm/0-40"	0.02mm/ 0.001"	200	32	20	18	±0.18
1310-0100	0-1000mm/0-40"	0.02mm/ 0.001"	250	32	20	18	±0.23
1310-0017	0-1000mm/0-40"	0.02mm/ 0.001"	300	32	20	18	±0.28
1310-0105	0-1500mm/0-60"	0.02mm/ 0.001"	125	41.5	20	20	±0.11
1310-0020	0-1500mm/0-60"	0.02mm/ 0.001"	150	41.5	20	20	±0.11
1310-0055	0-1500mm/0-60"	0.02mm/ 0.001"	200	41.5	20	20	±0.11
1310-0110	0-1500mm/0-60"	0.02mm/ 0.001"	250	41.5	20	20	±0.27
1310-0021	0-1500mm/0-60"	0.02mm/ 0.001"	300	41.5	20	20	±0.32
1310-0115	0-2000mm/0-80"	0.02mm/ 0.001"	150	41.5	20	20	±0.14
1310-0025	0-2000mm/0-80"	0.02mm/ 0.001"	200	41.5	20	20	±0.14
1310-0120	0-2000mm/0-80"	0.02mm/ 0.001"	250	41.5	20	20	±0.25
1310-0125	0-2000mm/0-80"	0.02mm/ 0.001"	300	41.5	20	20	±0.30
1310-0130	0-2500mm/0-100"	0.02mm/ 0.001"	150	53	20	20	±0.22
1310-0135	0-2500mm/0-100"	0.02mm/ 0.001"	200	53	20	20	±0.22
1310-0140	0-2500mm/0-100"	0.02mm/ 0.001"	250	53	20	20	±0.22
1310-0145	0-2500mm/0-100"	0.02mm/ 0.001"	300	53	20	20	±0.22
1310-0126	0-3000mm/0-120"	0.02mm/ 0.001"	150	53	20	20	±0.26
1310-0026	0-3000mm/0-120"	0.02mm/ 0.001"	200	53	20	20	±0.26
1310-0150	0-3000mm/0-120"	0.02mm/ 0.001"	250	53	20	20	±0.26
1310-0155	0-3000mm/0-120"	0.02mm/ 0.001"	300	53	20	20	±0.26
1310-0160	0-3500mm/0-140"	0.02mm/ 0.001"	150	53	20	20	±0.30
1310-0165	0-3500mm/0-140"	0.02mm/ 0.001"	200	53	20	20	±0.30
1310-0170	0-3500mm/0-140"	0.02mm/ 0.001"	250	53	20	20	±0.30
1310-0175	0-3500mm/0-140"	0.02mm/ 0.001"	300	53	20	20	±0.30
1310-0180	0-4000mm/0-160"	0.02mm/ 0.001"	150	53	20	20	±0.34
1310-0185	0-4000mm/0-160"	0.02mm/ 0.001"	200	53	20	20	±0.34
1310-0190	0-4000mm/0-160"	0.02mm/ 0.001"	250	53	20	20	±0.34
1310-0195	0-4000mm/0-160"	0.02mm/ 0.001"	300	53	20	20	±0.34
1310-0200	0-5000mm/0-200"	0.02mm/ 0.001"	300	53	20	20	±0.42

VERNIER CALIPER

WITH O.D. AND I.D. JAWS & STANDARD JAWS





- With fine adjustment
- Hardened ground jaws with precision lapped measuring faces
- Satin chrome finish, hardened stainless steel throughout for longer life
- Distinct lines and figures etched against satin chrome finish

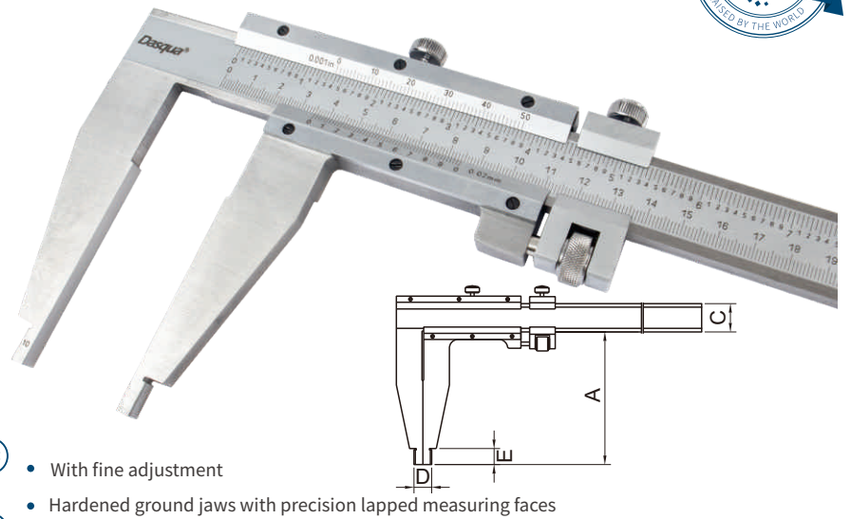
Unit:mm

Code	Range	Graduation	A	B	C	D	E	Accuracy
1315-0000	0-200mm/0-8"	0.02mm/ 0.001"	60	36.5	17	10	10	±0.03
1315-0060	0-250mm/0-10"	0.02mm/ 0.001"	60	36.5	17	10	10	±0.04
1300-0001	0-300mm/0-12"	0.02mm/ 0.001"	60	36.5	17	10	10	±0.04
1315-0025	0-300mm/0-12"	0.02mm/ 0.001"	90	36.5	17	10	10	±0.09
1315-0065	0-300mm/0-12"	0.02mm/ 0.001"	125	36.5	17	10	10	±0.12
1315-0009	0-300mm/0-12"	0.02mm/ 0.001"	150	36.5	17	10	10	±0.15
1300-0002	0-500mm/0-20"	0.02mm/ 0.001"	100	55	25	10	12	±0.05
1315-0070	0-500mm/0-20"	0.02mm/ 0.001"	125	55	25	10	12	±0.1
1315-0010	0-500mm/0-20"	0.02mm/ 0.001"	150	55	25	10	12	±0.12
1315-0011	0-500mm/0-20"	0.02mm/ 0.001"	200	55	25	10	12	±0.16
1315-0080	0-500mm/0-20"	0.02mm/ 0.001"	250	55	25	10	12	±0.20
1315-0085	0-500mm/0-20"	0.02mm/ 0.001"	300	55	25	10	12	±0.24
1300-0003	0-600mm/0-24"	0.02mm/ 0.001"	100	55	25	10	12	±0.05
1315-0090	0-600mm/0-24"	0.02mm/ 0.001"	125	55	25	10	12	±0.1
1315-0030	0-600mm/0-24"	0.02mm/ 0.001"	150	55	25	10	12	±0.12
1315-0095	0-600mm/0-24"	0.02mm/ 0.001"	200	55	25	10	12	±0.16
1315-0105	0-600mm/0-24"	0.02mm/ 0.001"	250	55	25	10	12	±0.22
1315-0110	0-600mm/0-24"	0.02mm/ 0.001"	300	55	25	10	12	±0.26
1315-0115	0-800mm/0-32"	0.02mm/ 0.001"	125	64	32	20	18	±0.06
1315-0035	0-800mm/0-32"	0.02mm/ 0.001"	150	64	32	20	18	±0.14
1315-0040	0-800mm/0-32"	0.02mm/ 0.001"	200	64	32	20	18	±0.18
1315-0120	0-800mm/0-32"	0.02mm/ 0.001"	250	64	32	20	18	±0.20
1315-0125	0-800mm/0-32"	0.02mm/ 0.001"	300	64	32	20	18	±0.24
1300-0004	0-1000mm/0-40"	0.02mm/ 0.001"	125	64	32	20	18	±0.07
1315-0015	0-1000mm/0-40"	0.02mm/ 0.001"	150	64	32	20	18	±0.14
1315-0045	0-1000mm/0-40"	0.02mm/ 0.001"	200	64	32	20	18	±0.18
1315-0130	0-1000mm/0-40"	0.02mm/ 0.001"	250	64	32	20	18	±0.23
1315-0135	0-1000mm/0-40"	0.02mm/ 0.001"	300	64	32	20	18	±0.28
1315-0140	0-1500mm/0-58"	0.02mm/ 0.001"	125	73	41.5	20	20	±0.11
1315-0016	0-1500mm/0-59"	0.02mm/ 0.000"	150	73	41.5	20	20	±0.11
1315-0050	0-1500mm/0-60"	0.02mm/ 0.001"	200	73	41.5	20	20	±0.11
1315-0145	0-1500mm/0-60"	0.02mm/ 0.001"	250	73	41.5	20	20	±0.27
1315-0150	0-1500mm/0-60"	0.02mm/ 0.001"	300	73	41.5	20	20	±0.32
1315-0155	0-2000mm/0-80"	0.02mm/ 0.001"	150	73	41.5	20	20	±0.14
1315-0055	0-2000mm/0-80"	0.02mm/ 0.001"	200	73	41.5	20	20	±0.14
1315-0160	0-2000mm/0-80"	0.02mm/ 0.001"	250	73	41.5	20	20	±0.25
1315-0020	0-2000mm/0-80"	0.02mm/ 0.001"	300	73	41.5	20	20	±0.30

A

VERNIER CALIPER

WITH O.D. AND I.D. JAWS



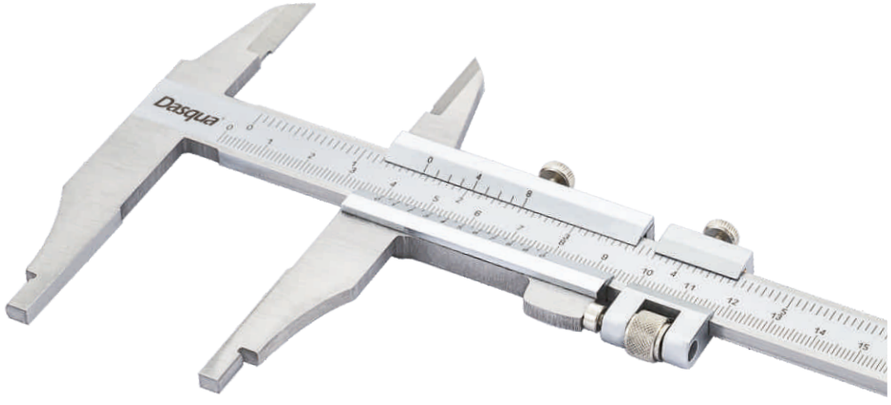
- With fine adjustment
- Hardened ground jaws with precision lapped measuring faces
- Satin chrome finish, hardened stainless steel throughout for longer life
- Distinct lines and figures etched against satin chrome finish

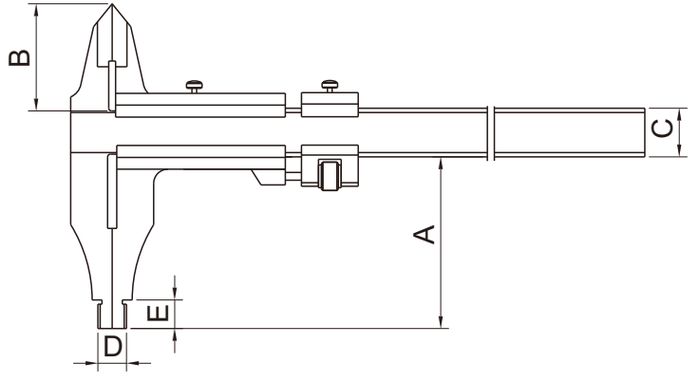
Unit:mm

Code	Range	Graduation	A	C	D	E	Accuracy
1320-0004	0-200mm/0-8"	0.02mm/ 0.001"	60	17	10	10	±0.03
1320-0028	0-250mm/0-10"	0.02mm/ 0.001"	60	17	10	10	±0.04
1320-0065	0-250mm/0-10"	0.02mm/ 0.001"	90	17	10	10	±0.09
1320-0050	0-300mm/0-12"	0.02mm/ 0.001"	60	17	10	10	±0.04
1320-0030	0-300mm/0-12"	0.02mm/ 0.001"	90	17	10	10	±0.09
1320-0070	0-300mm/0-12"	0.02mm/ 0.001"	125	25	10	12	±0.12
1320-0031	0-300mm/0-12"	0.02mm/ 0.001"	150	25	10	12	±0.15
1300-0005	0-500mm/0-20"	0.02mm/ 0.001"	100	25	10	12	±0.05
1320-0035	0-500mm/0-20"	0.02mm/ 0.001"	125	25	10	12	±0.10
1300-0006	0-500mm/0-20"	0.02mm/ 0.001"	150	25	10	12	±0.12
1320-0007	0-500mm/0-20"	0.02mm/ 0.001"	200	25	10	12	±0.16
1320-0008	0-500mm/0-20"	0.02mm/ 0.001"	250	25	10	12	±0.20
1320-0009	0-500mm/0-20"	0.02mm/ 0.001"	300	25	10	12	±0.24
1300-0010	0-600mm/0-24"	0.02mm/ 0.001"	100	25	10	12	±0.05
1320-0040	0-600mm/0-24"	0.02mm/ 0.001"	125	25	10	12	±0.10
1300-0011	0-600mm/0-24"	0.02mm/ 0.001"	150	25	10	12	±0.12
1320-0012	0-600mm/0-24"	0.02mm/ 0.001"	200	25	10	12	±0.16
1320-0041	0-600mm/0-24"	0.02mm/ 0.001"	250	25	10	12	±0.22
1320-0042	0-600mm/0-24"	0.02mm/ 0.001"	300	25	10	12	±0.26
1320-0085	0-800mm/0-32"	0.02mm/ 0.001"	125	32	20	18	±0.06
1320-0090	0-800mm/0-32"	0.02mm/ 0.001"	150	32	20	18	±0.14
1320-0043	0-800mm/0-32"	0.02mm/ 0.001"	200	32	20	18	±0.18
1320-0095	0-800mm/0-32"	0.02mm/ 0.001"	250	32	20	18	±0.20
1320-0044	0-800mm/0-32"	0.02mm/ 0.001"	300	32	20	18	±0.24
1300-0015	0-1000mm/0-40"	0.02mm/ 0.001"	125	32	20	18	±0.07
1320-0060	0-1000mm/0-40"	0.02mm/ 0.001"	150	32	20	18	±0.14
1300-0016	0-1000mm/0-40"	0.02mm/ 0.001"	200	32	20	18	±0.18
1320-0100	0-1000mm/0-40"	0.02mm/ 0.001"	250	32	20	18	±0.23
1320-0017	0-1000mm/0-40"	0.02mm/ 0.001"	300	32	20	18	±0.28
1320-0105	0-1500mm/0-60"	0.02mm/ 0.001"	125	41.5	20	20	±0.11
1300-0020	0-1500mm/0-60"	0.02mm/ 0.001"	150	41.5	20	20	±0.11
1320-0055	0-1500mm/0-60"	0.02mm/ 0.001"	200	41.5	20	20	±0.11
1320-0110	0-1500mm/0-60"	0.02mm/ 0.001"	250	41.5	20	20	±0.27
1320-0021	0-1500mm/0-60"	0.02mm/ 0.001"	300	41.5	20	20	±0.32
1320-0115	0-2000mm/0-80"	0.02mm/ 0.001"	150	41.5	20	20	±0.14
1300-0025	0-2000mm/0-80"	0.02mm/ 0.001"	200	41.5	20	20	±0.14
1320-0120	0-2000mm/0-80"	0.02mm/ 0.001"	250	41.5	20	20	±0.25
1320-0125	0-2000mm/0-80"	0.02mm/ 0.001"	300	41.5	20	20	±0.30
1320-0130	0-2500mm/0-100"	0.02mm/ 0.001"	150	53	20	20	±0.22
1320-0135	0-2500mm/0-100"	0.02mm/ 0.001"	200	53	20	20	±0.22
1320-0140	0-2500mm/0-100"	0.02mm/ 0.001"	250	53	20	20	±0.22
1320-0145	0-2500mm/0-100"	0.02mm/ 0.001"	300	53	20	20	±0.22
1320-0155	0-3000mm/0-120"	0.02mm/ 0.001"	300	53	20	20	±0.26
1320-0160	0-3500mm/0-140"	0.02mm/ 0.001"	150	53	20	20	±0.30
1320-0165	0-3500mm/0-140"	0.02mm/ 0.001"	200	53	20	20	±0.30
1320-0170	0-3500mm/0-140"	0.02mm/ 0.001"	250	53	20	20	±0.30
1320-0175	0-3500mm/0-140"	0.02mm/ 0.001"	300	53	20	20	±0.30
1320-0180	0-4000mm/0-160"	0.02mm/ 0.001"	150	53	20	20	±0.34
1320-0185	0-4000mm/0-160"	0.02mm/ 0.001"	200	53	20	20	±0.34
1320-0190	0-4000mm/0-160"	0.02mm/ 0.001"	250	53	20	20	±0.34
1320-0195	0-4000mm/0-160"	0.02mm/ 0.001"	300	53	20	20	±0.34
1320-0200	0-5000mm/0-200"	0.02mm/ 0.001"	300	53	20	20	±0.42

MONOBLOCK VERNIER CALIPER

WITH O.D. AND I.D. JAWS & STANDARD JAWS





- With fine adjustment
- Hardened ground jaws with precision lapped measuring faces
- Satin chrome finish, hardened stainless steel throughout for longer life
- Distinct lines and figures etched against satin chrome finish

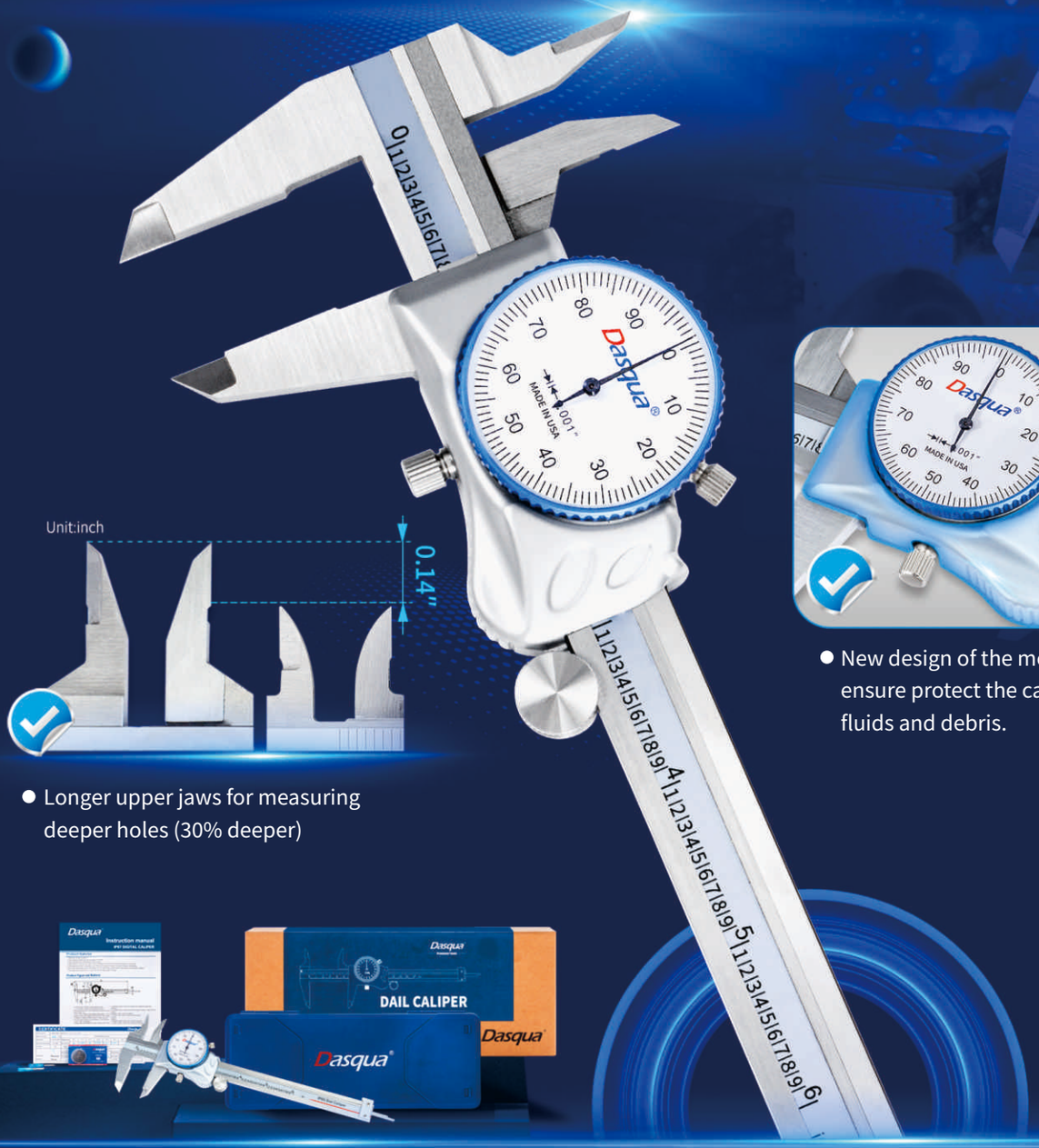
Unit:mm

Code	Range	Graduation	A	B	C	D	E	Accuracy
1305-0000	0-200mm/0-8"	0.02mm/ 0.001"	60	36.5	17	10	10	±0.03
1305-0060	0-250mm/0-10"	0.02mm/ 0.001"	60	36.5	17	10	10	±0.04
1305-0001	0-300mm/0-12"	0.02mm/ 0.001"	60	36.5	17	10	10	±0.04
1305-0025	0-300mm/0-12"	0.02mm/ 0.001"	90	36.5	17	10	10	±0.09
1305-0065	0-300mm/0-12"	0.02mm/ 0.001"	125	36.5	17	10	10	±0.12
1305-0009	0-300mm/0-12"	0.02mm/ 0.001"	150	36.5	17	10	10	±0.15
1305-0002	0-500mm/0-20"	0.02mm/ 0.001"	100	55	25	10	12	±0.05
1305-0070	0-500mm/0-20"	0.02mm/ 0.001"	125	55	25	10	12	±0.1
1305-0010	0-500mm/0-20"	0.02mm/ 0.001"	150	55	25	10	12	±0.12
1305-0011	0-500mm/0-20"	0.02mm/ 0.001"	200	55	25	10	12	±0.16
1305-0080	0-500mm/0-20"	0.02mm/ 0.001"	250	55	25	10	12	±0.20
1305-0085	0-500mm/0-20"	0.02mm/ 0.001"	300	55	25	10	12	±0.24
1305-0003	0-600mm/0-24"	0.02mm/ 0.001"	100	55	25	10	12	±0.05
1305-0090	0-600mm/0-24"	0.02mm/ 0.001"	125	55	25	10	12	±0.1
1305-0030	0-600mm/0-24"	0.02mm/ 0.001"	150	55	25	10	12	±0.12
1305-0095	0-600mm/0-24"	0.02mm/ 0.001"	200	55	25	10	12	±0.16
1305-0105	0-600mm/0-24"	0.02mm/ 0.001"	250	55	25	10	12	±0.22
1305-0110	0-600mm/0-24"	0.02mm/ 0.001"	300	55	25	10	12	±0.26
1305-0115	0-800mm/0-32"	0.02mm/ 0.001"	125	64	32	20	18	±0.06
1305-0035	0-800mm/0-32"	0.02mm/ 0.001"	150	64	32	20	18	±0.14
1305-0040	0-800mm/0-32"	0.02mm/ 0.001"	200	64	32	20	18	±0.18
1305-0120	0-800mm/0-32"	0.02mm/ 0.001"	250	64	32	20	18	±0.20
1305-0125	0-800mm/0-32"	0.02mm/ 0.001"	300	64	32	20	18	±0.24
1305-0004	0-1000mm/0-40"	0.02mm/ 0.001"	125	64	32	20	18	±0.07
1305-0015	0-1000mm/0-40"	0.02mm/ 0.001"	150	64	32	20	18	±0.14
1305-0045	0-1000mm/0-40"	0.02mm/ 0.001"	200	64	32	20	18	±0.18
1305-0130	0-1000mm/0-40"	0.02mm/ 0.001"	250	64	32	20	18	±0.23
1305-0135	0-1000mm/0-40"	0.02mm/ 0.001"	300	64	32	20	18	±0.28
1305-0140	0-1500mm/0-60"	0.02mm/ 0.001"	125	73	41.5	20	20	±0.11
1305-0016	0-1500mm/0-60"	0.02mm/ 0.001"	250	73	41.5	20	20	±0.27
1305-0050	0-1500mm/0-60"	0.02mm/ 0.001"	200	73	41.5	20	20	±0.11
1305-0145	0-1500mm/0-60"	0.02mm/ 0.001"	250	73	41.5	20	20	±0.27
1305-0150	0-1500mm/0-60"	0.02mm/ 0.001"	300	73	41.5	20	20	±0.32
1305-0055	0-2000mm/0-80"	0.02mm/ 0.001"	200	73	41.5	20	20	±0.14
1305-0160	0-2000mm/0-80"	0.02mm/ 0.001"	250	73	41.5	20	20	±0.25
1305-0020	0-2000mm/0-80"	0.02mm/ 0.001"	300	73	41.5	20	20	±0.30

IP65 DIAL CALIPER

AGAINST FLUIDS AND DEBRIS STRONGLY

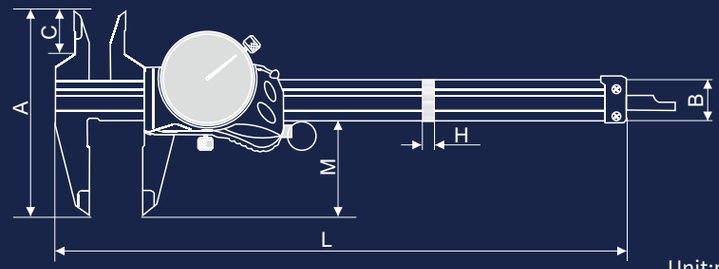
Dasqua Blu
MADE IN USA



- Longer upper jaws for measuring deeper holes (30% deeper)

- New design of the metal housing, ensure protect the caliper from fluids and debris.

- No gears at front, avoid any metal shavings stuck effectively. It ensures the longer service life.



Unit:mm

Code	Range	L	A	B	C	H	M	Accuracy
1332-2110	0-6"*0.001"	238	87	16.3	20	4.2	40	±0.001"
1332-2115	0-8"*0.001"	288	96	16.3	20	4.2	50	±0.001"
1332-2120	0-12"*0.001"	388	111	16.3	20	4.2	64	±0.0015"

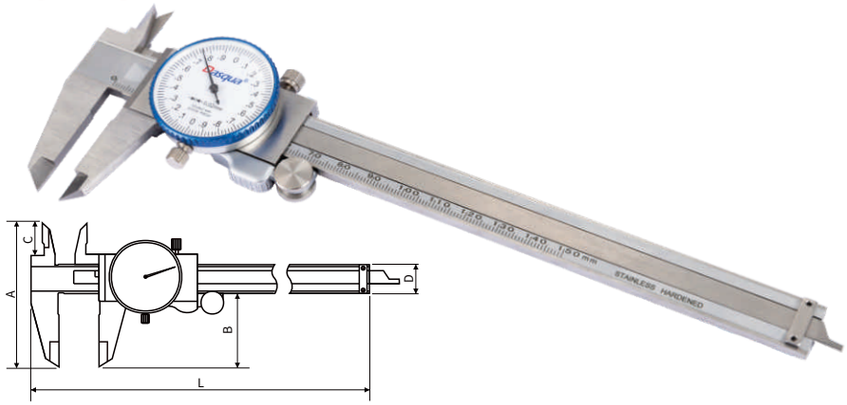
DIAL CALIPER

GREAT RELIABLITY
50% HIGHER ACCURACY THAN DIN862 STANDARD

BEST SELLER

DIN 862 | SHOCK -PROOF | ISO 13385-1

01 02 03 04



- Tough shock-proof gearing
- Made according to ISO13385-l (DIN 862)
- Made of solid stainless steel
- 4 usages for measuring outside diameter, inside diameter, step and depth
- Vacuum quenched caliper, provides wear resistance, longer service life
- With locking screw for stable reading
- Measuring force strictly controlled in 2.5N-3.5N
- The parallelism of the measuring surface≤0.007mm
- Distinct lines and figures laser etched against satin chrome finish

Unit:mm

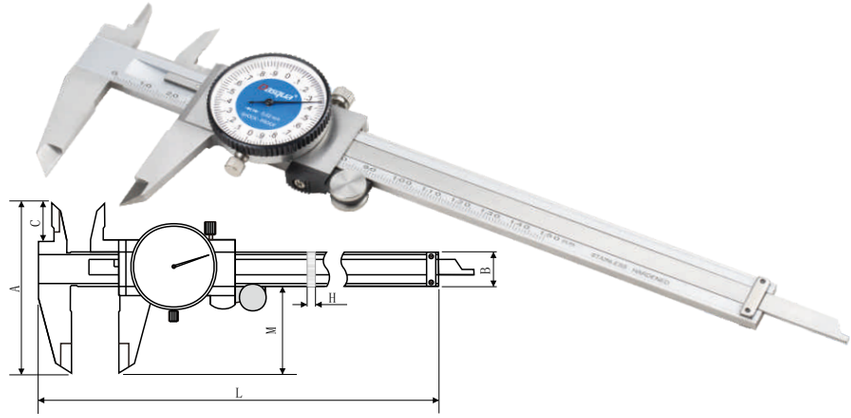
Code	Range	Graduation	L	A	B	C	D	Accuracy
1331-2115-A	0-150	0.02	236	77	40	16.5	16	±0.015
1331-2120-A	0-200	0.02	285	88	48	19.5	16	±0.02
1331-2130-A	0-300	0.02	410	110	62	22.5	20	±0.025
1350-5005-A	0-150	0.01	236	77	40	16.5	16	±0.01
1350-5010-A	0-200	0.01	285	88	48	19.5	16	±0.015
1350-5015-A	0-300	0.01	410	110	62	22.5	20	±0.02
1332-4110-A	0-6"	0.001"	236	77	40	16.5	16	±0.00065"
1332-4115-A	0-8"	0.001"	285	88	48	19.5	16	±0.00085"
1332-4120-A	0-12"	0.001"	410	110	62	22.5	20	±0.001"

DIAL CALIPER

DOUBLE SHOCK-PROOF

DIN 862 | SHOCK -PROOF

01 02 03 04



- Tough shock-proof gearing
- 4 usages for measuring outside diameter, inside diameter, step and depth
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- Distinct lines and figures laser etched against satin chrome finish
- With locking screw for stable reading
- Large dial for easy and clear reading

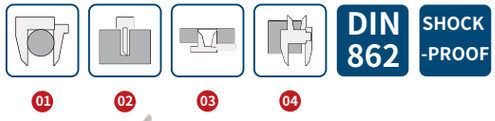
Unit:mm

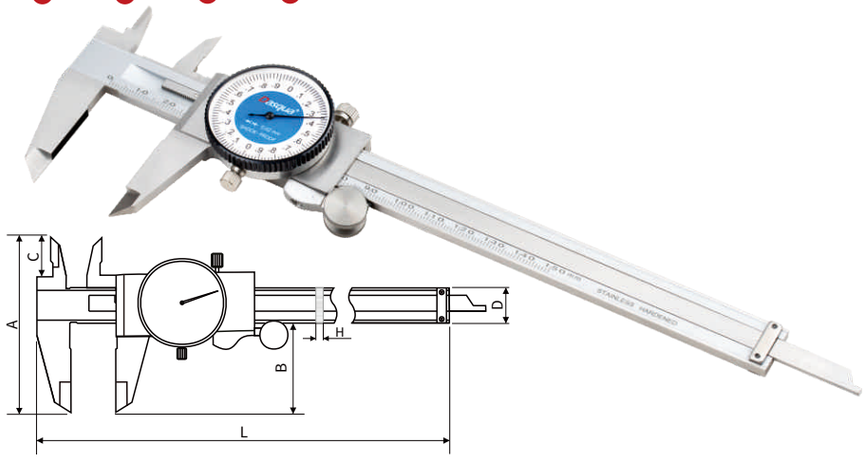
Code	Range	Graduation	L	A	B	C	H	M	Accuracy
1331-2110	0-100	0.02	166.5	62	13.5	13.8	3.3	30	±0.02
1331-2115	0-150	0.02	236	77	16	16.5	3.5	40	±0.03
1331-2120	0-200	0.02	285	88	16	19.5	3.5	48	±0.03
1331-2130	0-300	0.02	410	110	20	22.5	4.0	62	±0.04
1350-5004	0-100	0.01	166.5	62	13.5	13.8	3.3	30	±0.02
1350-5005	0-150	0.01	236	77	16	16.5	3.5	40	±0.03
1350-5010	0-200	0.01	285	88	16	19.5	3.5	48	±0.03
1350-5015	0-300	0.01	410	110	20	22.5	4.0	62	±0.04
1332-4105	0-4"	0.001"	166.5	62	13.5	13.8	3.3	30	±0.001"
1332-4110	0-6"	0.001"	236	77	16	16.5	3.5	40	±0.001"
1332-4115	0-8"	0.001"	285	88	16	19.5	3.5	48	±0.001"
1332-4120	0-12"	0.001"	410	110	20	22.5	4.0	62	±0.0015"

A

DIAL CALIPER

CARBIDE TIPPED





- Special carbide measuring surface which has a 5 times longer service life than common calipers, surfaces are hardened and ground by special hardness process
- Made according to ISO13385-l (DIN 862)
- With locking screw for stable reading
- 4 usages for measuring outside diameter, inside diameter, step and depth
- Made of solid stainless steel
- Vacuum quenched caliper, provides wear resistance, longer service life
- Distinct lines and figures laser etched against sat in chrome finish

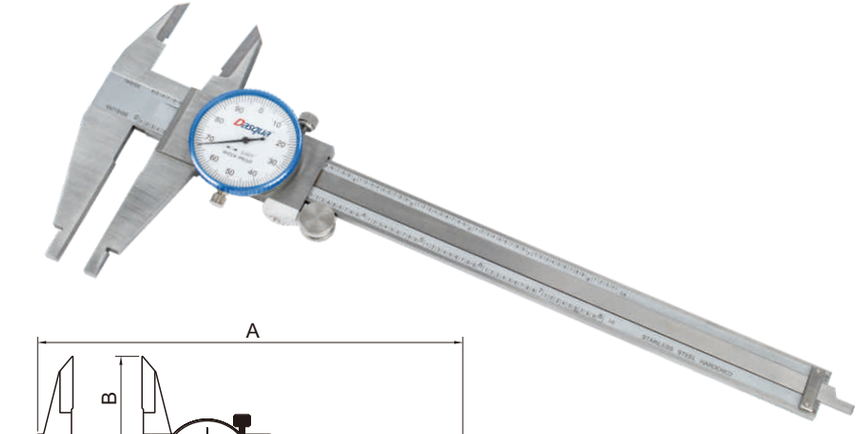
Unit:mm

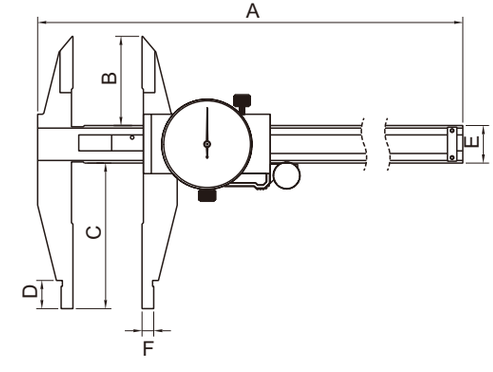
Code	Range	Graduation	L	A	B	C	D	Accuracy
1362-0005	0-150	0.02	236	77	40	16.5	16	±0.03
1362-0010	0-200	0.02	288	88	48	19.5	16	±0.03
1362-0015	0-300	0.02	410	110	62	22.5	20	±0.04
1362-1005	0-150	0.01	236	77	40	16.5	16	±0.03
1362-1010	0-200	0.01	288	88	48	19.5	16	±0.03
1362-1015	0-300	0.01	410	110	62	22.5	20	±0.04
1345-0205	0-6"	0.001"	236	77	40	16.5	16	±0.03
1345-0210	0-8"	0.001"	288	88	48	19.5	16	±0.03
1345-0215	0-12"	0.001"	410	110	62	22.5	20	±0.04

DIAL CALIPER

WITH O.D. AND I.D. JAWS & OUTSIDE UPPER JAWS

SHOCK -PROOF





- Tough shock-proof gearing
- Made of solid stainless steel
- Distinct lines and figures laser etched against satin chrome finish
- With locking screw for stable reading
- Large dial for easy and clear reading
- Support both metrc and British system

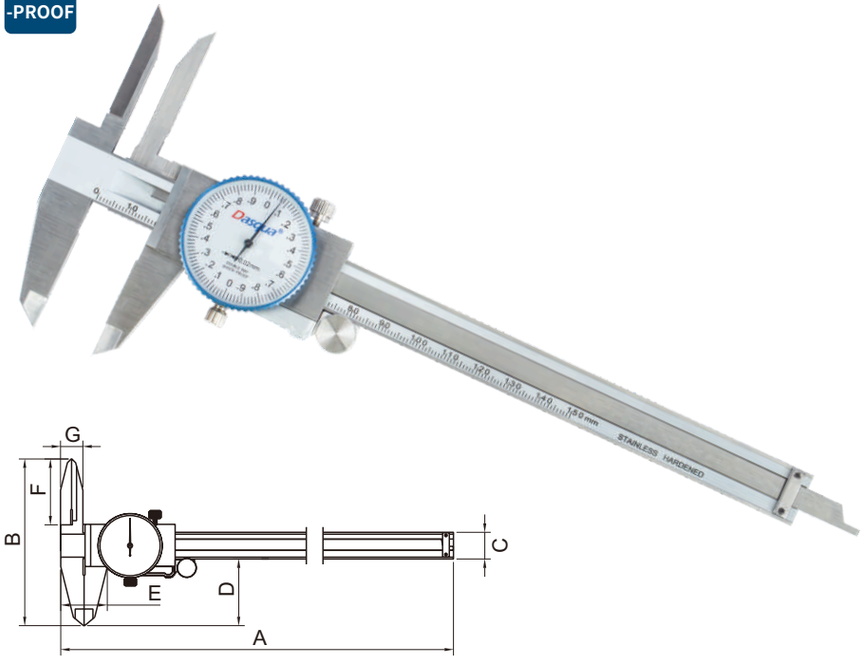
Unit:mm

Code	Range	Graduation	A	B	C	D	E	F	Accuracy
1431-4020	0-200mm	0.02mm	310	38	62	12	20	5	±0.03
1431-4025	0-300mm	0.02mm	410	40	90	12	20	5	±0.04

DIAL CALIPER

WITH LONG UPPER JAWS

SHOCK -PROOF



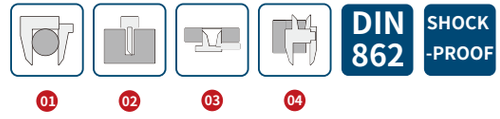
- Tough shock-proof gearing
- Made of solid stainless steel
- Distinct lines and figures laser etched against satin chrome finish
- With locking screw for stable reading
- Large dial for easy and clear reading
- Extended upper claw design for easy measurement of the inner diameter of small deep holes

Unit:mm

Code	Range	Graduation	A	B	C	D	E	F	G	Accuracy
1355-0005	0-150mm	0.02mm	236	101	16	40	30	40	13	±0.03
1355-0010	0-200mm	0.02mm	288	116	16	45	32	45	15	±0.04
1355-0015	0-300mm	0.02mm	400	131	16	50	36	50	16	±0.05

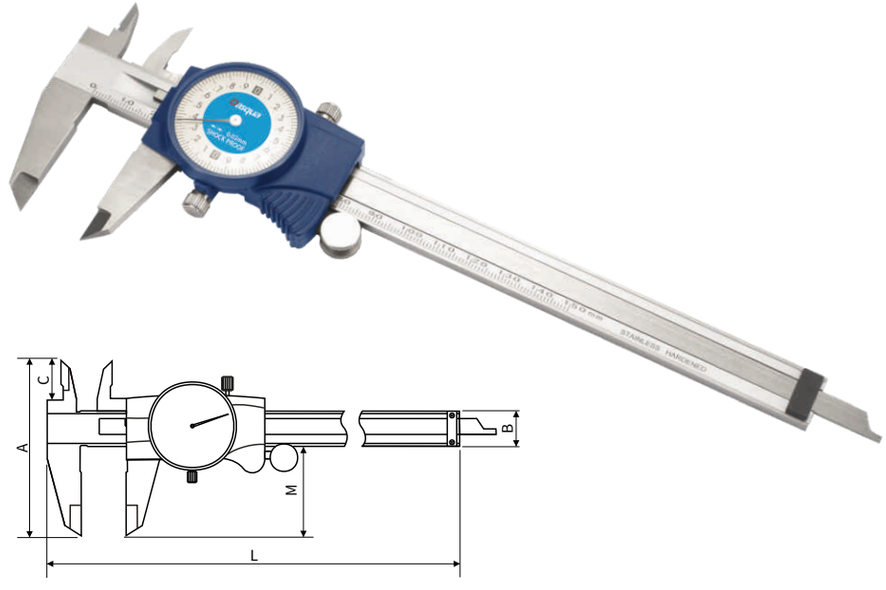
DIAL CALIPER

WITH DUSTPROOF SHIELD



DIN 862

SHOCK -PROOF



- 4 usages for measuring outside diameter, inside diameter, step and depth
- Strictly made in accordance with DIN862
- With locking screw for stable reading
- Large dial for easy and clear reading
- With dustproof shield for easy holding

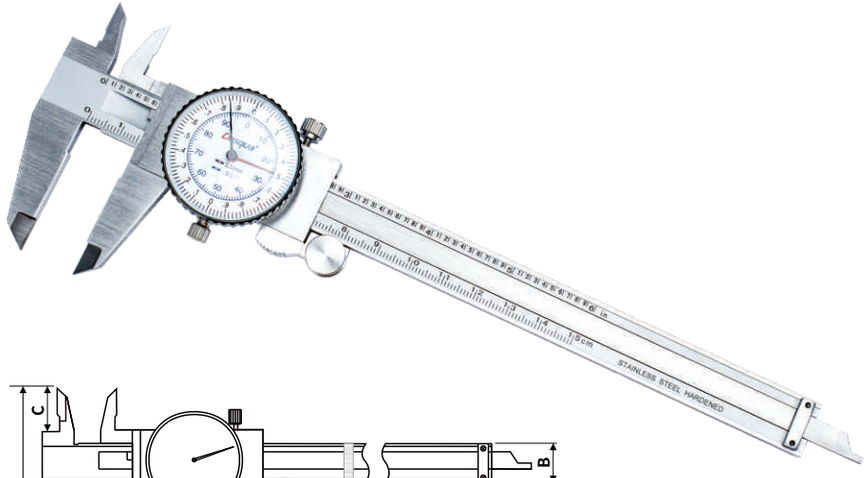
Unit:mm

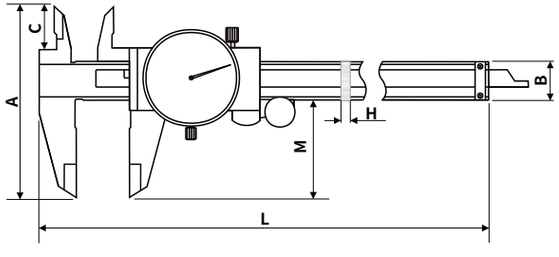
Code	Range	Graduation	L	A	B	C	M	Accuracy
1345-0105	0-150	0.02	236	77	16	16.5	40	±0.03
1345-0110	0-200	0.02	285	88	16	19.5	48	±0.03
1345-0115	0-300	0.02	410	110	20	22.5	62	±0.04

A

DIAL CALIPER

METRIC / INCH COMBINED



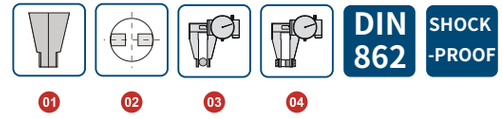


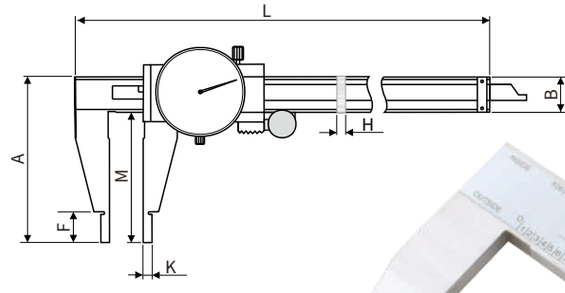
- Tough shock-proof gearing
- 4 usages for measuring outside diameter, inside diameter step and depth
- Made of solid stainless steel
- Distinct lines and figures laser etched against satin chrome finish
- With locking screw for stable reading
- Large dial for easy and clear reading

Unit:mm

Code	Range	Graduation	L	A	B	C	H	M	Accuracy
3002-1901	0-150/6"	0.02/0.001"	236	77	16	16.5	3.5	40	±0.03/0.001"
3002-1902	0-200/8"	0.02/0.001"	285	88	16	19.5	3.5	48	±0.03/0.001"
3002-1903	0-300/12"	0.02/0.001"	410	110	20	22.5	4	62	±0.04/0.001"

HEAVY DUTY DIAL CALIPER





- Tough shock-proof gearing
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- 4 usages for measuring outside diameter, inside diameter, step and depth
- Distinct lines and figures laser etched against satin chrome finish
- With locking screw for stable reading
- Extra rigid beam for high stability

Unit:mm

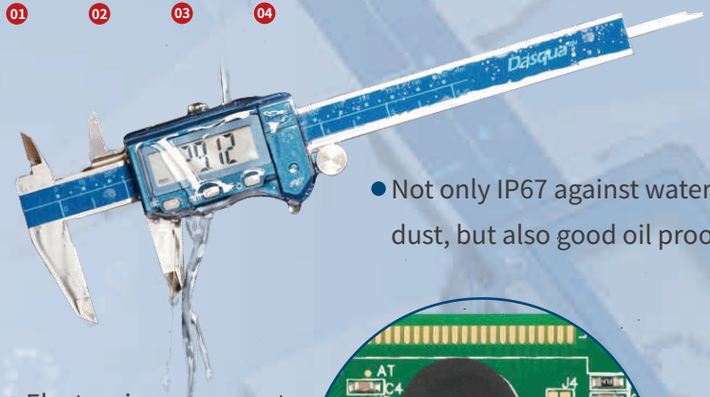
Code	Range	Graduation	L	A	B	F	H	K	M	Accuracy
1431-2105	0-450	0.02	580	108	22	20	6.0	5	86	±0.05
1431-2110	0-500	0.02	630	108	22	20	6.0	5	86	±0.05
1431-2115	0-600	0.02	730	108	22	20	6.0	5	86	±0.05
1431-2120	0-1000	0.02	1200	168	28	22	8.0	10	140	±0.07
1432-4105	0-18"	0.001"	580	108	22	20	6.0	5	86	±0.002"
1432-4110	0-20"	0.001"	630	108	22	20	6.0	5	86	±0.002"
1432-4115	0-24"	0.001"	730	108	22	20	6.0	5	86	±0.002"
1432-4120	0-40"	0.001"	1200	168	28	22	8.0	10	140	±0.0025"

OIL & WATER PROOF DIGITAL CALIPER

Dasqua Blu

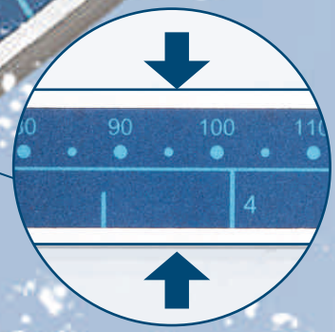
01 02 03 04

Battery + CR2032 | mm/in/F | DIN 862 | IP67 COOLANT&FLUID RESISTANT

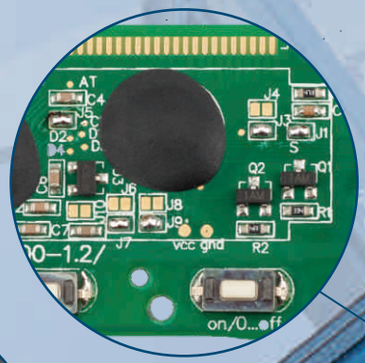


- Not only IP67 against water and dust, but also good oil proof ability

- 20% larger than normal screens; Larger size digital screen for easy reading

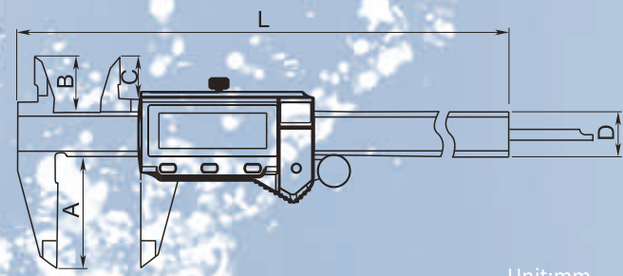


- Surfaces of beam ground (Parallelism less than 0.015, 20% better than normal) to ensure smooth movement throughout



- Electronic components sealed to improve its anti-liquid ability

- Jaws ground to raise the accuracy of measurement



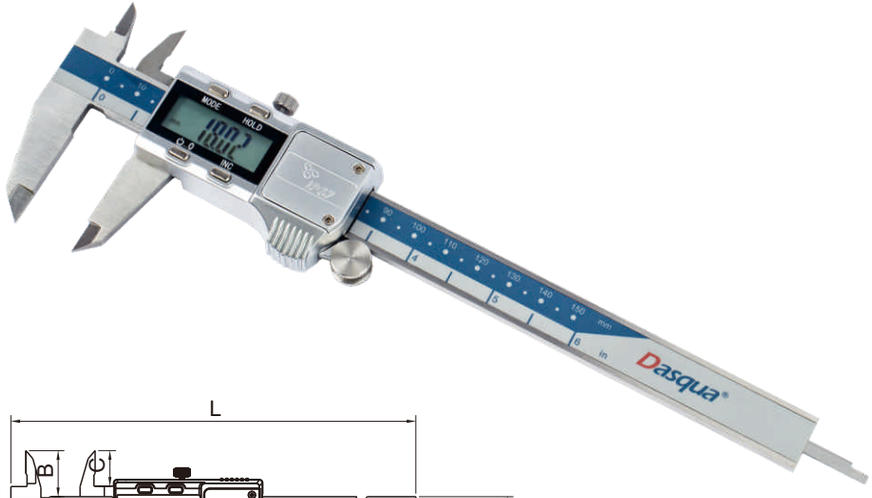
Unit:mm

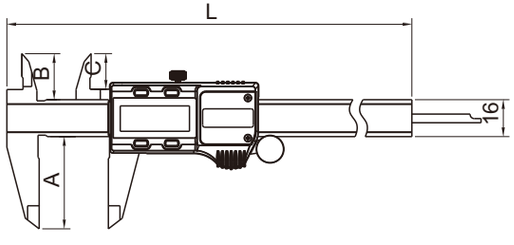
Code	Range	Resolution	A	B	C	D	L	Accuracy
2015-1005-A	0-150/0-6"	0.01/0.0005"/1/128"	40	20	15.5	16	235	0.02/0.001"
2015-1010-A	0-200/0-8"	0.01/0.0005"/1/128"	50	24	19.5	16	287	0.03/0.0015"
2015-1015-A	0-300/0-12"	0.01/0.0005"/1/128"	60	26	21.5	16	390	0.03/0.0015"

A

METAL CASING IP67 DIGITAL CALIPER

IP67 COOLANT&FLUID RESISTANT | Battery + CR2032 | mm/in/F





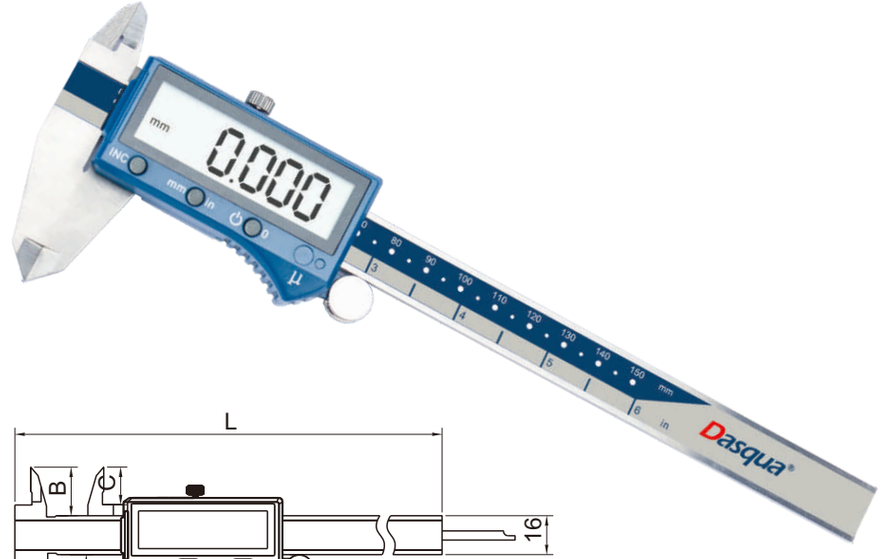
- Zinc aluminum alloy cover
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth throughout
- IP67 protection against liquid
- With inductive measurement system

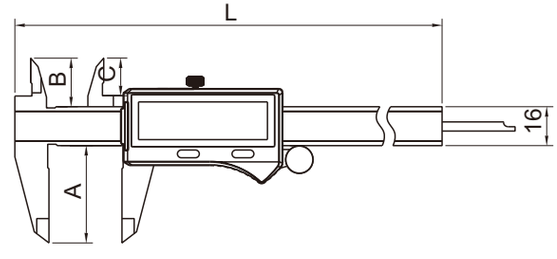
Unit:mm

Code	Range	Graduation	A	B	C	L	Accuracy
2015-3005	0-150mm/0-6"	0.01mm/0.0005"/ 1/128"	40	20	15.5	235	0.02
2015-3010	0-200mm/0-8"	0.01mm/0.0005"/ 1/128"	50	24	19.5	287	0.03
2015-3015	0-300mm/0-12"	0.01mm/0.0005"/ 1/128"	60	26	21.5	390	0.03

0.001MM RESOLUTION IP67 WATERPROOF DIGITAL CALIPER

IP67 COOLANT&FLUID RESISTANT | Battery + CR2032 | mm/in/F





- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth throughout
- IP67 protection against liquid
- With inductive measurement system

Unit:mm

Code	Range	Graduation	A	B	C	L	Accuracy
2015-4205	0-150mm/0-6"	0.001mm/0.00005"	40	20	15.5	235	0.02

PRO DIGITAL CALIPER

WITH ACCURACY 0.01MM

Dasqua Blu

01 02 03 04

DIN 862 | Battery + CR2032 | mm / in | Data output

- Large screen for easy reading

- Flatness of measuring surface is 0.003mm to ensure high precision
- Accuracy: 0.01mm, more excellent

Yameni Test & Calibration Co., Ltd.

Calibration Certificate

Certificate No UML2023 NO. 000048

Customer	DASQUA TECHNOLOGY LTD
Address	23rd Floor, Unit 1, Building 5, No. 99 Xinglong Lakeside Road, Tianfu New District, Chengdu, China
Name of Instrument	DIGITAL CALIPER
Type/Specification	(0~150)mm/0.01mm
Serial No.	1BS060004
Manufacturer	DASQUA
Calibration Regulation	JJG 30-2012

Approved by edward

Checked by Robert

calibrated by David

Date of Sample arrive	2023	Year	02	Month	23	Day
Date of Calibration	2023	Year	02	Month	24	Day
Date of Report	2023	Year	02	Month	24	Day

Address: Floor 23, building 5, No 99 Xinglonghupan road, Chengdu, China
P. Code: 610045
Telephone: 0086-28-85267118

PAGE 1 / 3 PAGE FILE NO: UML-021-05-B0001

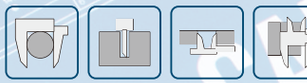
Unit:mm

Code	Range	Resolution	A	B	C	D	L	Accuracy
2000-0005-A	0-150/0-6"	0.01/0.0005"	40	20	15.5	16	235	0.01/0.0005"

COMBINED DIAL & DIGITAL CALIPER

BEST SELLER

Dasqua Blu



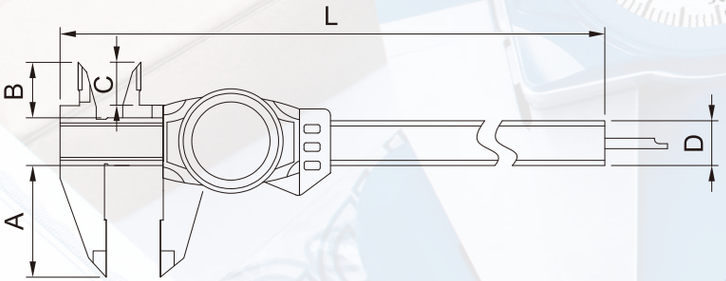
DIN 862

mm / in / F

IP67 COOLANT&FLUID RESISTANT

- Strictly made in accordance with DIN862
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth throughout
- IP67 protection against liquid
- With inductive measurement system
- Tolerance set & tolerance alarm are optional
- Product built-in wireless system is optional (Code: 3004-0010)

- High-capacity lithium battery
  With magnetic charging



Unit:mm

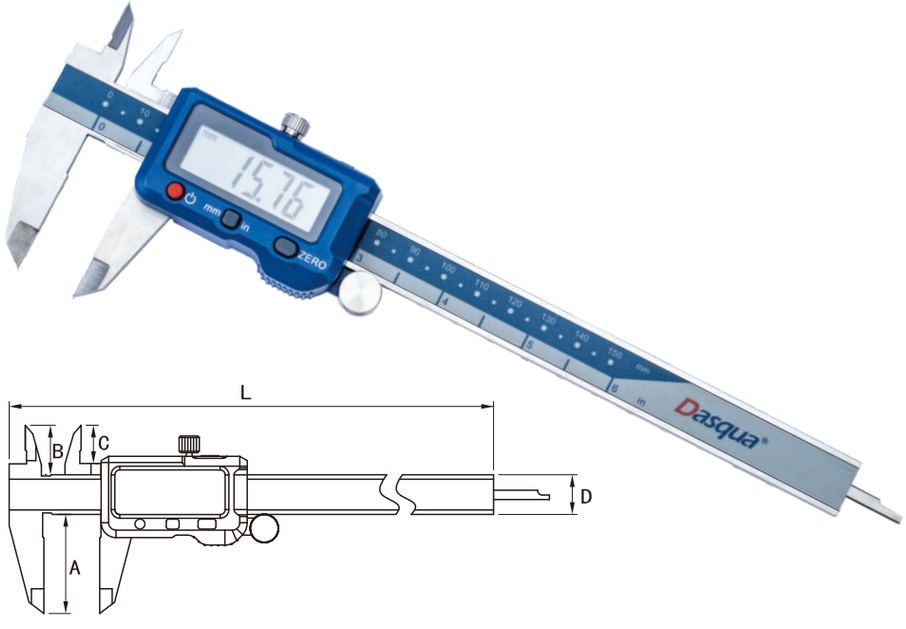
Code	Range	Resolution	A	B	C	D	L	Accuracy	Type
3004-0005	0-150/0-6"	0.01/0.0005"/1/128"	40	20	15.5	16	235	±0.02	/
3004-1005	0-200/0-8"	0.01/0.0005"/1/128"	50	24	19.5	16	287	±0.03	/
3004-2005	0-300/0-12"	0.01/0.0005"/1/128"	60	26	21.5	16	390	±0.03	/
3004-0010	0-150/0-6"	0.01/0.0005"/1/128"	40	20	15.5	16	235	±0.02	Built-in wireless system
3004-1010	0-200/0-8"	0.01/0.0005"/1/128"	50	24	19.5	16	287	±0.03	Built-in wireless system
3004-2010	0-300/0-12"	0.01/0.0005"/1/128"	60	26	21.5	16	390	±0.03	Built-in wireless system

DIGITAL CALIPER

BEST SELLER

DIN 862 | Battery + CR2032 | mm/in | Data output

01 02 03 04



- Strictly made in accordance with DIN862
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth throughout
- With data output

Unit:mm

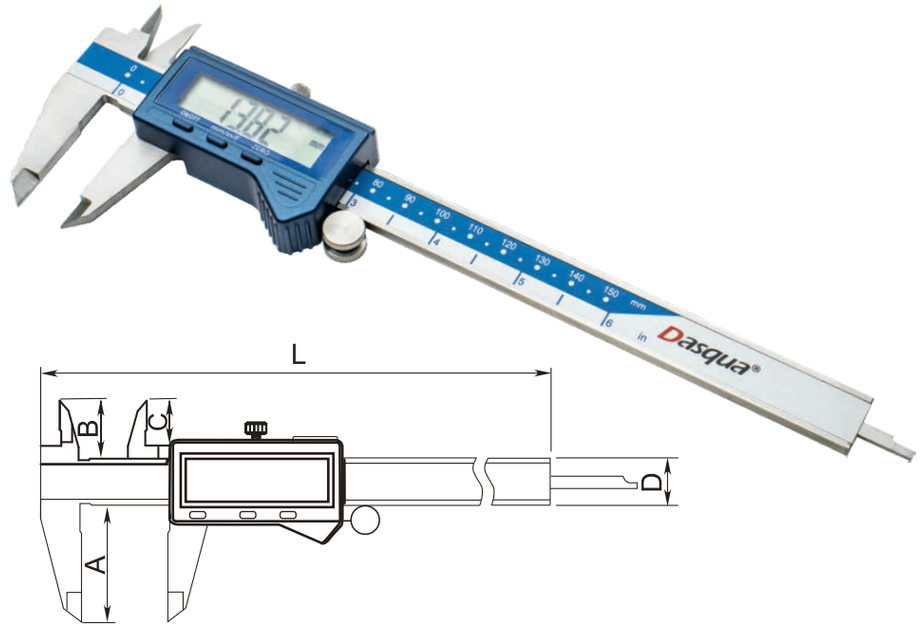
Code	Range	Resolution	A	B	C	D	L	Accuracy
2000-2005	0-150/0-6"	0.01/0.0005"	40	20	15.5	16	235	0.02/0.001"
2000-2010	0-200/0-8"	0.01/0.0005"	50	24	19.5	16	287	0.03/0.0015"
2000-2015	0-300/0-12"	0.01/0.0005"	60	26	21.5	16	390	0.03/0.0015"
2002-1005	0-150/0-6"	0.01/0.0005"/1/128"	40	20	15.5	16	235	0.02/0.001"
2002-1010	0-200/0-8"	0.01/0.0005"/1/128"	50	24	19.5	16	287	0.03/0.0015"
2002-1015	0-300/0-12"	0.01/0.0005"/1/128"	60	26	21.5	16	390	0.03/0.0015"

- 2002-1005、2002-1010、2002-1015 are with fraction

DIGITAL CALIPER

DIN 862 | Battery + CR2032 | mm/in/F | Data output

01 02 03 04



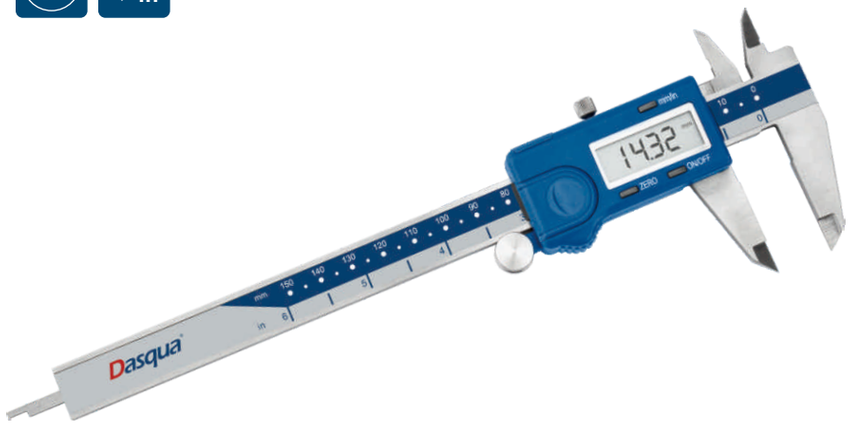
- Bigger screen with larger digits for easy reading
- Strictly made in accordance with DIN862
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth throughout
- With data output
- With fraction function

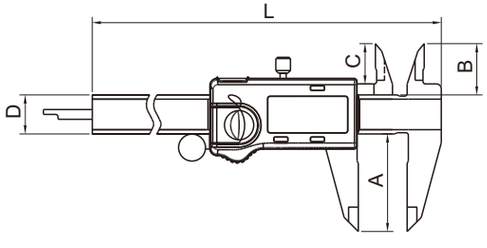
Unit:mm

Code	Range	Resolution	A	B	C	D	L	Accuracy
1804-1065	0-150/0-6"	0.01/0.0005"/1/128"	40	20	15.5	16	235	0.02/0.001"
1804-1070	0-200/0-8"	0.01/0.0005"/1/128"	50	24	19.5	16	287	0.03/0.0015"
1804-1075	0-300/0-12"	0.01/0.0005"/1/128"	60	26	21.5	16	390	0.03/0.0015"

A

LEFT HAND DIGITAL CALIPER





- Suitable for left-handed users or situations where measurements can only be taken from the left side
- Made of high-quality stainless steel material
- Automatic power-off
- Zero setting at any position
- Inch/mm system interchangeable

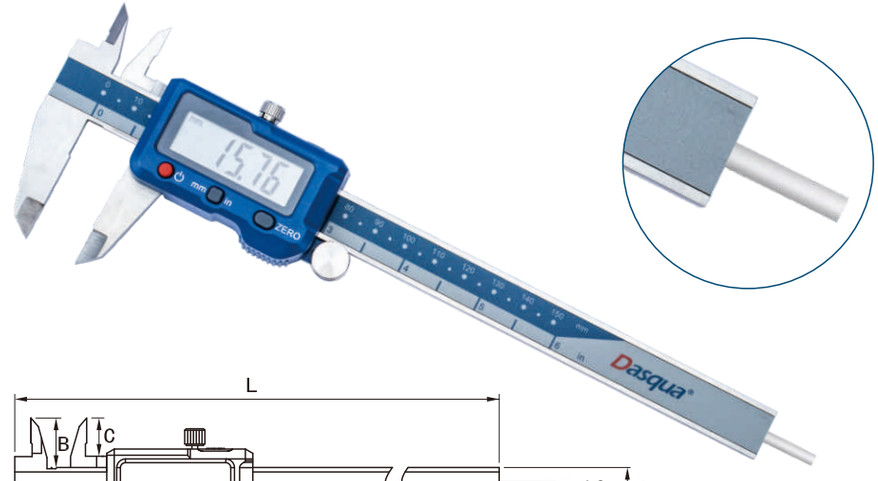
Unit:mm

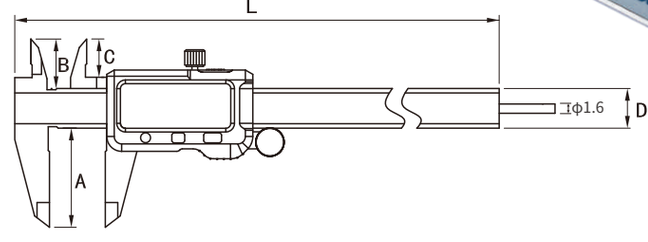
Code	Range	Graduation	A	B	C	D	E	Accuracy
2030-1005	0-150mm/0-6"	0.01mm/0.0005"	40	21	16.5	16	236	±0.03
2030-1010	0-200mm/0-8"	0.01mm/0.0005"	50	24	19.5	16	286	±0.03
2030-1015	0-300mm/0-12"	0.01mm/0.0005"	60	26	21.5	16	400	±0.04

DIGITAL CALIPER

WITH ROUND DEPTH BAR

01 02 03 04



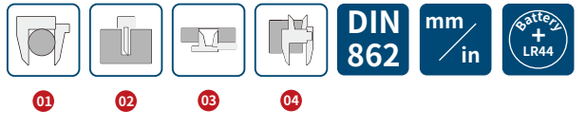


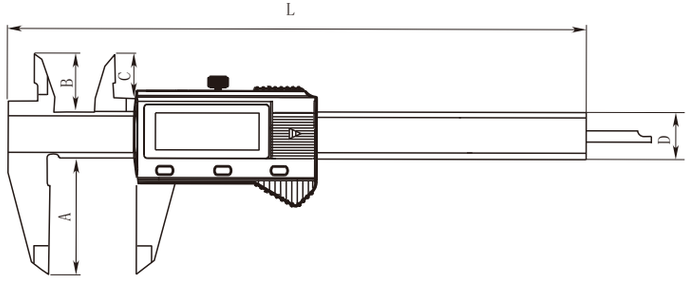
- Bigger screen with larger digits for easy reading
- Strictly made in accordance with DIN862
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth throughout
- With data output
- With fraction function

Unit:mm

Code	Range	Resolution	A	B	C	D	L	Accuracy
2000-1605	0-150/0-6"	0.01/0.0005"/1/128"	40	20	15.5	16	235	0.02/0.001"
2000-1610	0-200/0-8"	0.01/0.0005"/1/128"	50	24	19.5	16	287	0.03/0.0015"
2000-1615	0-300/0-12"	0.01/0.0005"/1/128"	60	26	21.5	16	390	0.03/0.0015"

MINI DIGITAL CALIPER





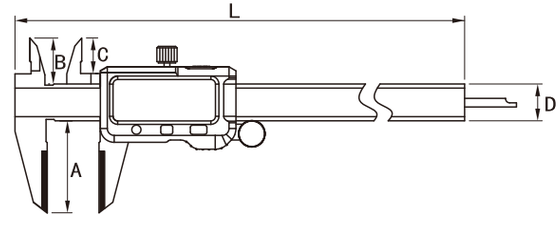
- Mini model for great portability
- Made of solid stainless steel
- Strictly made in accordance with DIN862

Unit:mm

Code	Range	Resolution	A	B	C	D	L	Accuracy
2050-0004	0-70/0-2.8"	0.01/0.0005"	30	17	12	13	140	0.02/0.001"
2050-0005	0-100/0-4"	0.01/0.0005"	30	17	12	13	170	0.02/0.001"

DIGITAL CALIPER

WITH CARBIDE-TIPPED JAW



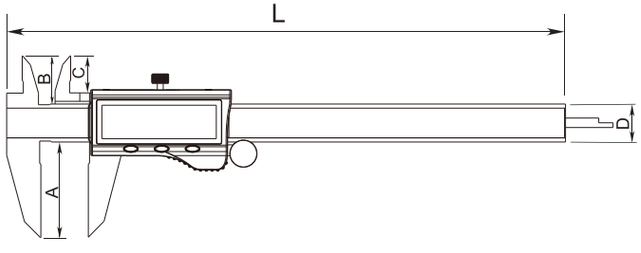
- Used to measure outside diameter, inside diameter, step and depth measurement and also for scribing
- Carbide tipped measuring faces making scribing clear and ensuring abrasive resistance
- Strictly made in accordance with DIN862
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth throughout

Unit:mm

Code	Range	Resolution	A	B	C	D	L	Accuracy
2406-1005	0-150/0-6"	0.01/0.0005"	40	21	16.5	16	236	±0.03
2406-1010	0-200/0-8"	0.01/0.0005"	50	24	19.5	16	286	±0.03
2406-1015	0-300/0-12"	0.01/0.0005"	60	26	21.5	16	400	±0.04

A

METAL HOUSING DIGITAL CALIPER



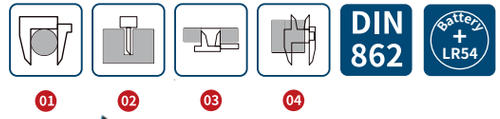
- With sturdy metal housing for high stability
- Made of solid stainless steel
- Stricly made in accordance with DIN862
- Hardened, ground and lapped measuring surfaces for longer service life

Unit:mm

Code	Range	Resolution	A	B	C	D	L	Accuracy
2115-2305	0-150/0-6"	0.01/0.0005"	40	20	15.5	16	235	0.02/0.001"
2115-2310	0-200/0-8"	0.01/0.0005"	50	24	19.5	16	287	0.03/0.0015"
2115-2315	0-300/0-12"	0.01/0.0005"	60	26	21.5	16	390	0.03/0.0015"

PLASTIC CALIPER

MADE OF FIBERGLASS



- Made of fiberglass composite for strong beam, durability & longer life.
- Harm-Free to the surfaces of measured objects, like jewels, handcrafts.
- Non conductive for safe in oily working-site, like auto repair workshop, etc.

Unit:mm

Code	Range	Resolution	A	B	C	D	L	Accuracy
2035-0004	0-75/0-3"	0.01/0.0005"	25.5	14	9.5	13	138	±0.2
2035-0005	0-150/0-6"	0.01/0.0005"	39.5	21	16	16	236	±0.2
2035-0006	0-150/0-6"	0.01/0.0005"/1/64"	39.5	21	16	16	236	±0.2

DIGITAL CALIPER

01 02 03 04 | Battery + CR2032 | IP54 COOLANT&FLUID RESISTANT | DIN 862 | mm/in/F

- With calibration certificate
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- Hardened, ground and lapped measuring surfaces for longer service life

Unit:mm

Code	Range	Resolution	A	B	C	D	L	Accuracy
2000-1005	0-150/0-6"	0.01/0.0005"/1/128"	40	20	15.5	16	235	0.02/0.001"
2000-1010	0-200/0-8"	0.01/0.0005"/1/128"	50	24	19.5	16	287	0.03/0.0015"
2000-1015	0-300/0-12"	0.01/0.0005"/1/128"	60	26	21.5	16	390	0.03/0.0015"

WITH IP54 WATER PROOF AND ABSOLUTE FUNCTION

Unit:mm

Code	Range	Resolution	A	B	C	D	L	Accuracy
2040-1005	0-150/0-6"	0.01/0.0005"/1/128"	40	20	15.5	16	235	0.02/0.001"
2040-1010	0-200/0-8"	0.01/0.0005"/1/128"	50	24	19.5	16	287	0.03/0.0015"
2040-1015	0-300/0-12"	0.01/0.0005"/1/128"	60	26	21.5	16	390	0.03/0.0015"

WITH WIRELESS SYSTEM

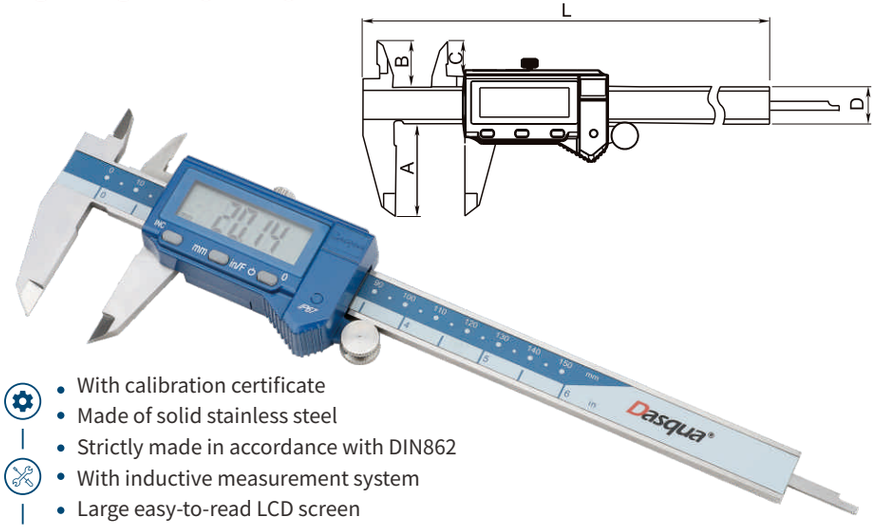
Unit:mm

Code	Range	Resolution	A	B	C	D	L	Accuracy
2025-1005-A	0-150/0-6"	0.01/0.0005"/1/128"	40	20	15.5	16	235	0.02/0.001"
2025-1010-A	0-200/0-8"	0.01/0.0005"/1/128"	50	24	19.5	16	287	0.03/0.0015"
2025-1015-A	0-300/0-12"	0.01/0.0005"/1/128"	60	26	21.5	16	390	0.03/0.0015"

IP67 WATER PROOF DIGITAL CALIPER

BEST SELLER

01 02 03 04 | IP67 COOLANT&FLUID RESISTANT | Battery + CR2032 | DIN 862 | mm/in/F



- With calibration certificate
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- With inductive measurement system
- Large easy-to-read LCD screen
- Glass grating adapted
- IP67 protection against liquid

WITH OIL PROOF ABILITY

Unit:mm

Code	Range	Resolution	A	B	C	D	L	Accuracy
2015-2405	0-150/0-6"	0.01/0.0005"/1/128"	40	20	15.5	16	235	0.02/0.001"
2015-2410	0-200/0-8"	0.01/0.0005"/1/128"	50	24	19.5	16	287	0.03/0.0015"
2015-2415	0-300/0-12"	0.01/0.0005"/1/128"	60	26	21.5	16	390	0.03/0.0015"

WITH WIRELESS SYSTEM

Unit:mm

Code	Range	Resolution	A	B	C	D	L	Accuracy
2020-1005-A	0-150/0-6"	0.01/0.0005"/1/128"	40	20	15.5	16	235	0.02/0.001"
2020-1010-A	0-200/0-8"	0.01/0.0005"/1/128"	50	24	19.5	16	287	0.03/0.0015"
2020-1015-A	0-300/0-12"	0.01/0.0005"/1/128"	60	26	21.5	16	390	0.03/0.0015"

A

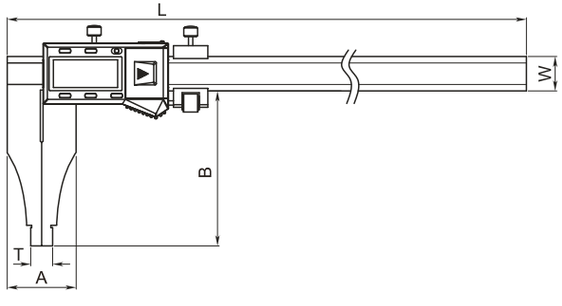
IP54 WATER PROOF HEAVY DUTY DIGITAL CALIPER

BEST SELLER

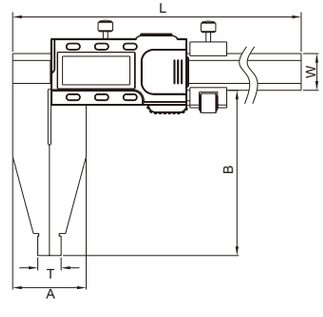
IP54 COOLANT&FLUID RESISTANT | Battery + CR2032 | DIN 862 | mm / in | Data output

01 02

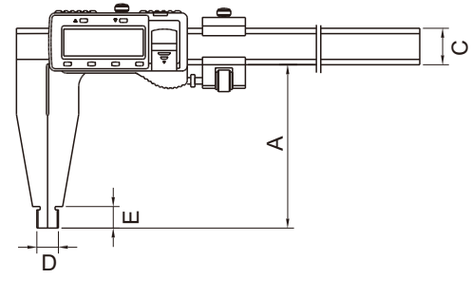
- With sturdy frame and big size for high stability
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- With fine adjustment
- With Data-Output and Metric-Inch-Fraction Conversion function



AMERICAN STYLE



WITH LARGE RANGE



EUROPEAN STYLE

Unit:mm

Code	Range	Resolution	L	A	B	W	T	Accuracy
2220-8105	0-300/0-12"	0.01/0.0005"	445	40	90	20	10	0.04/0.002"
2220-8110	0-500/0-20"	0.01/0.0005"	670	52	150	24	20	0.05/0.002"
2220-8115	0-1000/0-40"	0.01/0.0005"	1210	60	150	30	20	0.06/0.0025"

AMERICAN STYLE

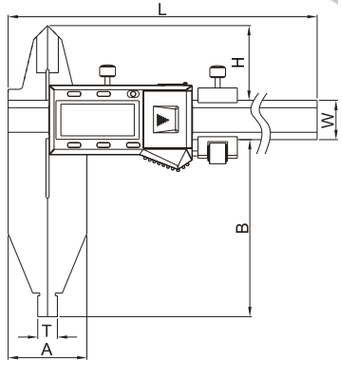
Unit:mm

Code	Range	Resolution	L	A	B	W	T	Accuracy
2220-8113	0-300/0-12"	0.01/0.0005"	445	40	90	20	10(0.5")	0.04/0.002"
2220-8116	0-600/0-24"	0.01/0.0005"	770	44	100	24	20(0.8")	0.05/0.002"
2220-8119	0-1000/0-40"	0.01/0.0005"	1210	46	125	30	20(0.8")	0.06/0.0025"
2220-8165	0-600/0-24"	0.01/0.0005"	770	52	150	24	20(0.8")	0.05/0.002"

IP54 WATER PROOF HEAVY DUTY DIGITAL CALIPER

WITH UPPER JAWS

DIN 862 | Battery + CR2032 | mm / in | Data output | IP54 COOLANT&FLUID RESISTANT | 01 | 02 | 03



- With sturdy frame and big size for high stability
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- With fine adjustment
- With Data-Output and Metric-Inch Conversion function

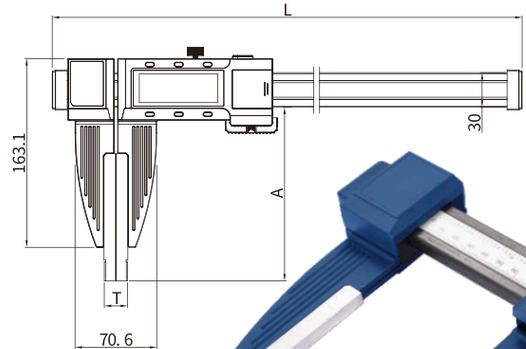
Unit:mm

Code	Range	Resolution	L	A	B	W	T	H	Accuracy
2710-1105	0-300/0-12"	0.01/0.0005"	445	40	90	20	10	38	0.04/0.002"
2710-1110	0-500/0-20"	0.01/0.0005"	670	52	150	24	20	60	0.05/0.002"
2710-1113	0-600/0-24"	0.01/0.0005"	770	54	150	24	20	60	0.05/0.002"
2710-1115	0-1000/0-40"	0.01/0.0005"	1210	60	150	30	20	63	0.06/0.0025"

IP65 WATER PROOF ULTRA-LIGHT GIANT CALIPER

MADE OF CARBON FIBER & WITH WIRELESS SYSTEM

01 | 02 | WIRELESS TRANSMITTER | Battery + CR2032 | DIN 862 | mm / in | IP65 COOLANT&FLUID RESISTANT | Data output



- Light weight digital calipers employing Carbon Fiber Reinforced Plastics in the beam and jaws
- Non-conductive and especially made for the electronic and sensitive purposes
- Made of carbon fiber, guaranteeing lower weight and portability
- Made of carbon fiber, the results rarely affected by temperature
- With Inductive measurement system
- IP65 protection against water
- With data output and wireless transmission function

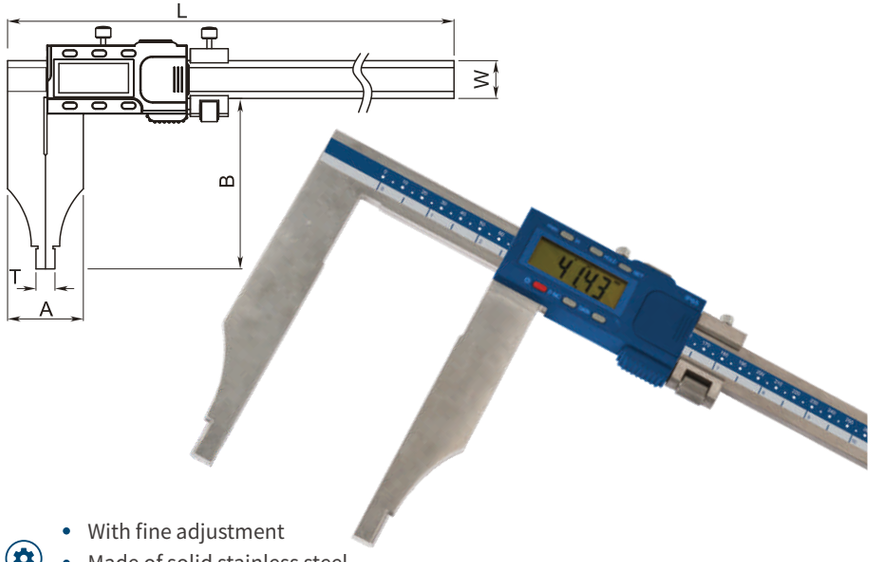
Unit:mm

Code	Range	Resolution	A	T	L	Accuracy
2810-0003	0-600/0-24"	0.01/0.0005"	100	20(0.8")	770	0.05/0.002"
2810-0004	0-800/0-32"	0.01/0.0005"	150	20(0.8")	970	0.06/0.0025"
2810-0005	0-1000/0-40"	0.01/0.0005"	150	20(0.8")	1226	0.06/0.0025"
2810-0010	0-1500/0-60"	0.01/0.0005"	200	20(0.8")	1736	0.09/0.0035"
2810-0015	0-2000/0-80"	0.01/0.0005"	300	20(0.8")	2246	0.012/0.005"

A

IP65 WATER PROOF HEAVY DUTY DIGITAL CALIPER

EUROPEAN STYLE

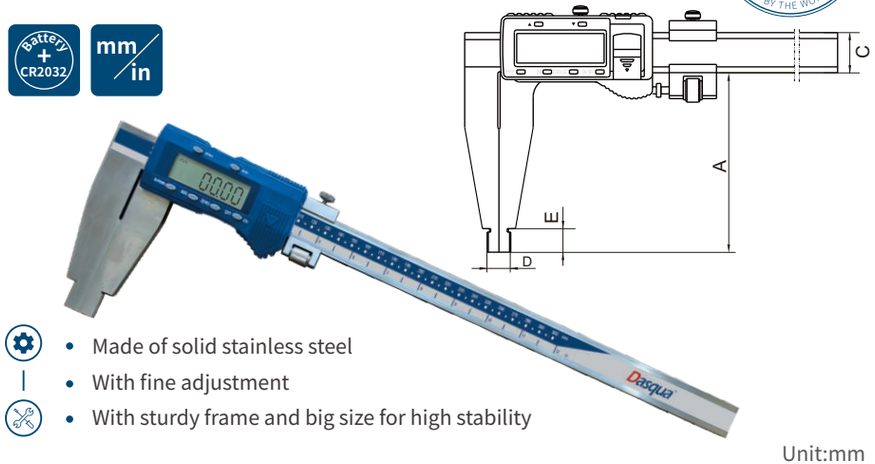


- With fine adjustment
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- With sturdy frame and big size for high stability
- With Data-Output and Metric-Inch-Fraction Conversion function
- IP65 protection against liquid
- Product built-in wireless system is optional (Code: 2510-3115)

Unit:mm

Code	Range	Resolution	L	A	B	W	T	Accuracy
2320-1105	0-300/0-12"	0.01/0.0005"	445	40	90	20	10	0.03/0.0015"
2320-1106	0-500/0-20"	0.01/0.0005"	670	52	150	24	20	0.05/0.002"
2320-1110	0-600/0-24"	0.01/0.0005"	770	44	100	24	20	0.05/0.002"
2320-1115	0-1000/0-40"	0.01/0.0005"	1210	60	150	30	20	0.06/0.0025"
2320-1120	0-600/0-24"	0.01/0.0005"	770	52	150	24	20	0.05/0.0025"
2510-3115	0-1000/0-40"	0.01/0.0005"	1210	60	150	30	20	0.06/0.0025"

LONG JAW HEAVY DUTY DIGITAL CALIPER



- Made of solid stainless steel
- With fine adjustment
- With sturdy frame and big size for high stability

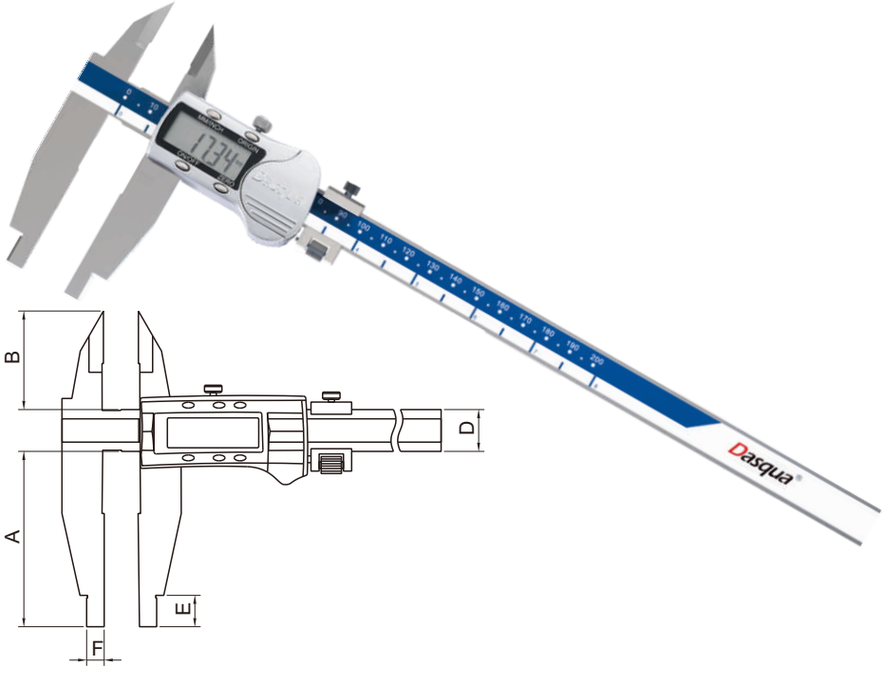
Unit:mm

Code	Range	Graduation	A	C	D	E	Accuracy
2220-8170	0-300/0-12"	0.01/ 0.0005"	150	25	10	12	±0.15
2220-8175	0-500/0-20"	0.01/ 0.0005"	100	25	10	12	±0.05
2220-8117	0-500/0-20"	0.01/ 0.0005"	200	25	10	12	±0.16
2220-8180	0-500/0-20"	0.01/ 0.0005"	250	32	20	18	±0.20
2220-8185	0-500/0-20"	0.01/ 0.0005"	300	32	20	18	±0.24
2220-8190	0-600/0-24"	0.01/ 0.0005"	100	25	10	12	±0.05
2220-8200	0-600/0-24"	0.01/ 0.0005"	150	25	10	12	±0.14
2220-8150	0-600/0-24"	0.01/ 0.0005"	200	25	10	12	±0.16
2220-8205	0-600/0-24"	0.01/ 0.0005"	250	32	20	18	±0.22
2220-8210	0-600/0-24"	0.01/ 0.0005"	300	32	20	18	±0.26
2220-8215	0-800/0-32"	0.01/ 0.0005"	150	32	20	18	±0.14
2220-8220	0-800/0-32"	0.01/ 0.0005"	200	32	20	18	±0.18
2220-8155	0-800/0-32"	0.01/ 0.0005"	300	32	20	18	±0.24
2220-8225	0-1000/0-60"	0.01/ 0.0005"	150	32	20	18	±0.14
2220-8230	0-1000/0-60"	0.01/ 0.0005"	200	32	20	18	±0.18
2220-8130	0-1000/0-60"	0.01/ 0.0005"	250	32	20	18	±0.24
2220-8135	0-1000/0-60"	0.01/ 0.0005"	300	32	20	18	±0.28
2220-3570	0-1500/0-60"	0.01/ 0.0005"	200	41.5	20	20	±0.11
2220-3575	0-1500/0-60"	0.01/ 0.0005"	125	41.5	20	20	±0.11
2220-3580	0-2000/0-80"	0.01/ 0.0005"	150	41.5	20	20	±0.14
2220-8195	0-2500/0-100"	0.01/ 0.001"	150	53	20	20	±0.22
2220-8240	0-3000/0-120"	0.01/ 0.001"	150	53	20	20	±0.26
2220-8160	0-3000/0-120"	0.01/ 0.001"	300	53	20	20	±0.26

METAL HOUSING
HEAVY DUTY DIGITAL CALIPER

WITH WITH O.D. AND I.D. JAWS & STANDARD JAWS

Battery + CR2032 | mm / in | Data output



- High quality stainless steel material manufacturing
- Precision grinding under the ruler body to ensure smooth feel
- With data interface, support wired, wireless transmission
- Nib shaped jaws for ID and OD measurement, carrying upper jaws for OD measurements
- The whole body vacuum quenching, uniform hardness, wear resistance, longer service life
- With fine-adjustment carriage

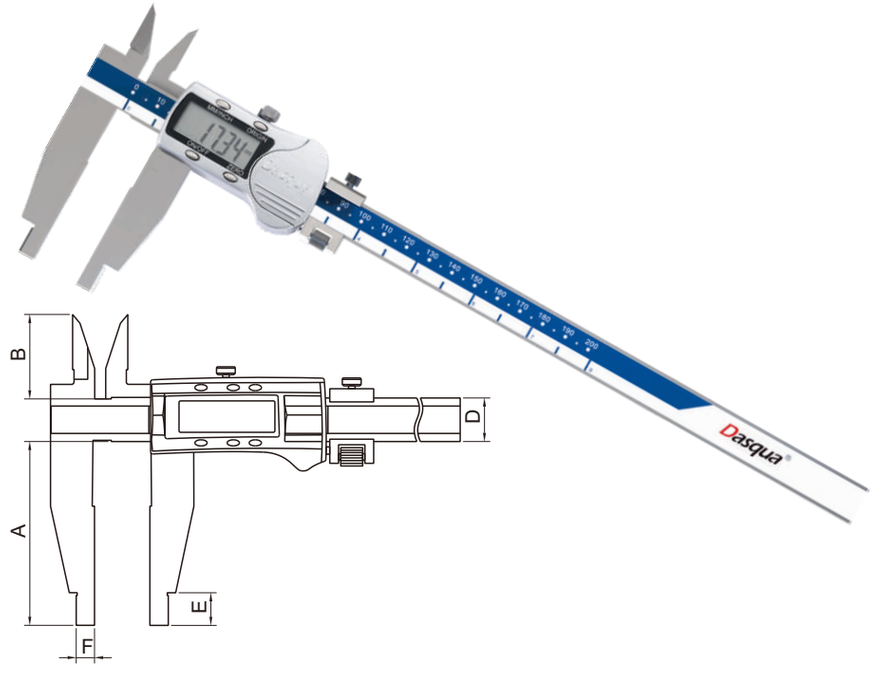
Unit:mm

Code	Range	Graduation	A	B	D	E	F	Accuracy
2710-1104-A	0-200mm/0-8"	0.01mm/0.0005"	60	38	17	12	5	±0.03
2710-1105-A	0-300mm/0-12"	0.01mm/0.0005"	60	38	17	12	5	±0.04

METAL HOUSING
HEAVY DUTY DIGITAL CALIPER

WITH WITH O.D. AND I.D. JAWS & STANDARD JAWS

Battery + CR2032 | mm / in | Data output



- High quality stainless steel material manufacturing
- Precision grinding under the ruler body to ensure smooth feel
- With data interface, support wired, wireless transmission
- Nib shaped jaws for ID and OD measurement, carrying upper jaws for OD measurements
- The whole body vacuum quenching, uniform hardness, wear resistance, longer service life
- With fine-adjustment carriage

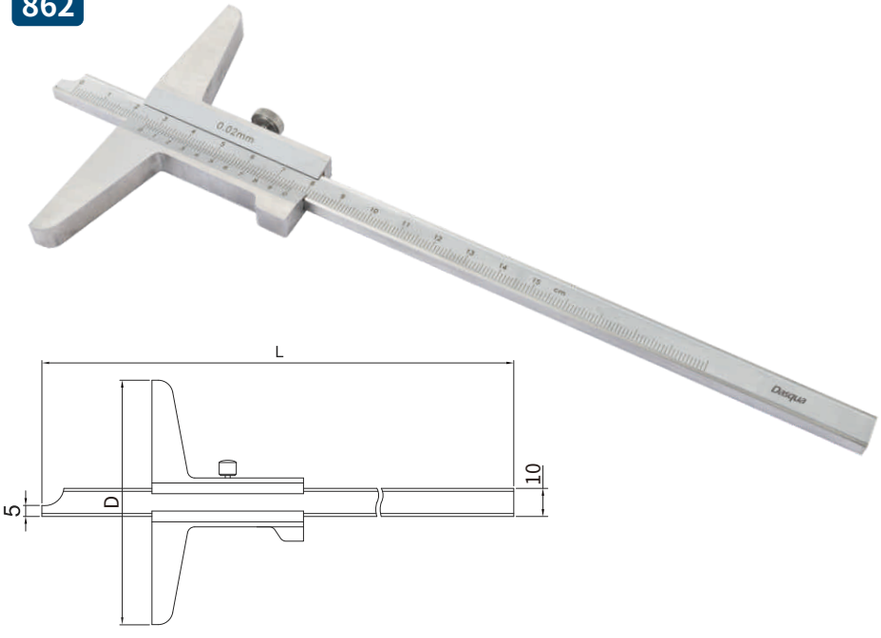
Unit:mm

Code	Range	Graduation	A	B	D	E	F	Accuracy
2710-1108-A	0-200mm/0-8"	0.01mm/0.0005"	60	38	17	12	5	±0.03
2710-1130-A	0-300mm/0-12"	0.01mm/0.0005"	60	38	17	12	5	±0.04

A

MONOBLOCK DEPTH VERNIER GAUGE

DIN 862



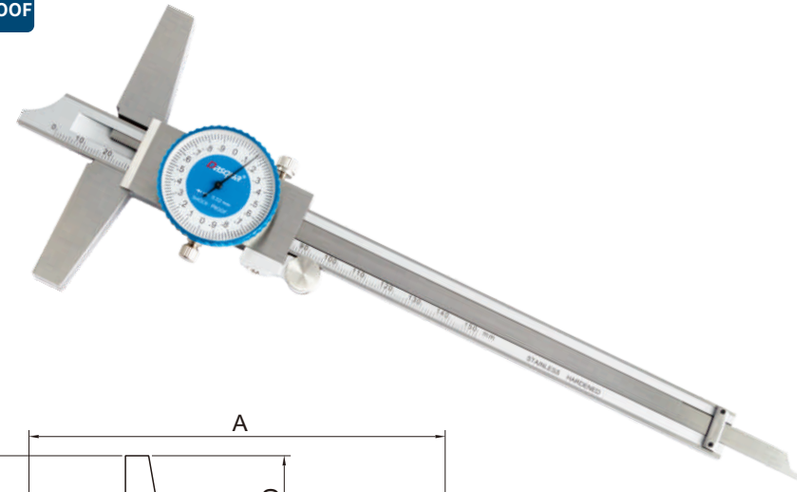
- Hardened ground jaws with precision lapped measuring faces
- Satin chrome finish,hardened stainless steel throughout for longer life
- Distinct lines and figures etched against satin chrome finish

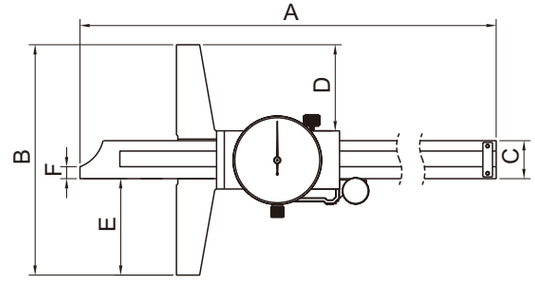
Unit:mm

Code	Range	Graduation	L	D	Accuracy
3001-1901-A	0-150	0.02	250	100	±0.03
3001-1903-A	0-200	0.02	300	100	±0.03
3001-1905-A	0-300	0.02	400	100	±0.04
3001-1909-A	0-500	0.02	595	102	±0.05
3001-1915-A	0-600	0.02	695	102	±0.05
3001-2901-A	0-6"	0.0001"	250	100	±0.03
3001-2903-A	0-8"	0.0001"	300	100	±0.03
3001-2905-A	0-12"	0.0001"	400	100	±0.04

DIAL DEPTH CALIPER

SHOCK -PROOF





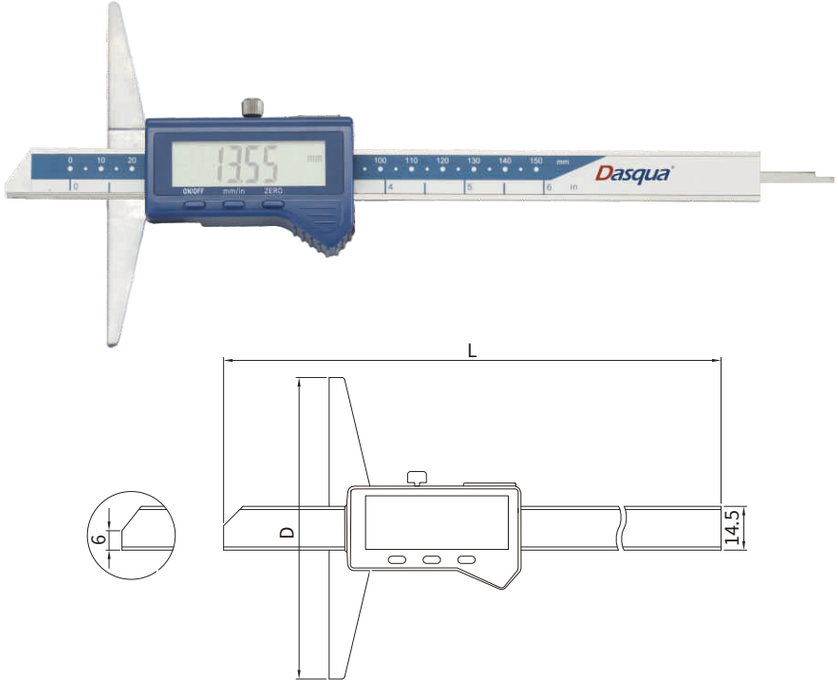
- Tough shock-proof gearing
- Made of solid stainless steel
- Distinct lines and figures laser etched against satin chrome finish
- With locking screw for stable reading
- Large dial for easy and clear reading
- Used to measure depth dimensions

Unit:mm

Code	Range	Graduation	A	B	C	D	E	F	Accuracy
2401-1005	0-150mm	0.01mm	250	100	16	37	42	5	±0.02
2401-1010	0-200mm	0.01mm	300	100	16	37	42	5	±0.02
2401-1015	0-300mm	0.01mm	400	100	16	37	42	5	±0.03
2401-2105	0-150mm	0.02mm	250	100	16	37	42	5	±0.03
2401-2110	0-200mm	0.02mm	300	100	16	37	42	5	±0.03
2401-2115	0-300mm	0.02mm	400	100	16	37	42	5	±0.04

DIGITAL DEPTH CALIPER

Battery + CR2032 | DIN 862 | mm / in / F



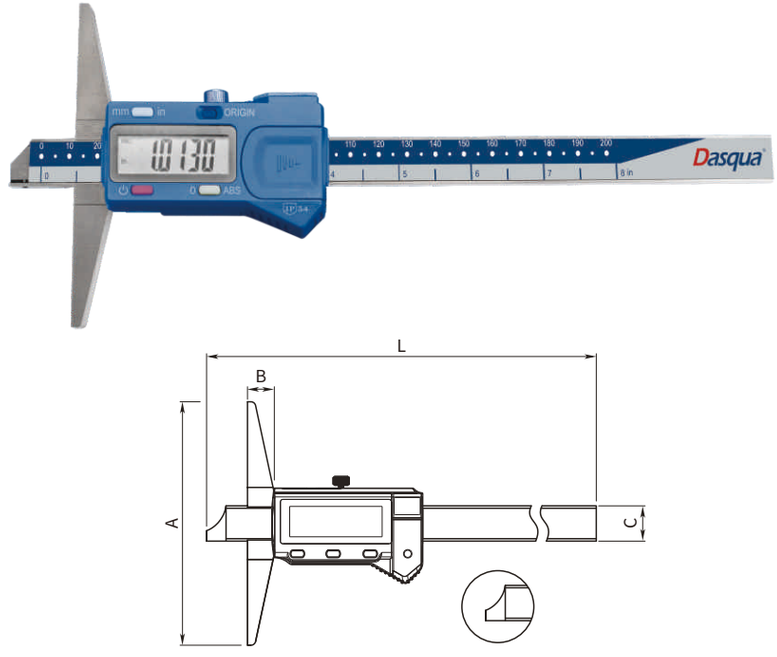
- Used to measure step and depth
- Made of solid stainless steel, widened and thickened
- Strictly made in accordance with DIN862
- Hardened, ground and lapped measuring surfaces for longer service life

Unit:mm

Code	Range	Resolution	Accuracy
2001-2005	0-150/0-6"	0.01/0.005"	±0.03
2001-2010	0-200/0-8"	0.01/0.005"	±0.03
2001-2015	0-300/0-12"	0.01/0.005"	±0.04
2001-2020	0-500/0-20"	0.01/0.005"	±0.05

DIGITAL DEPTH CALIPER

Battery + CR2032 | DIN 862 | mm / in / F



- Used to measure step and depth
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- IP54 protection against liquid
- Hardened, ground and lapped measuring surfaces for longer service life
- With Absolute-Reference System and no need to set the reference point at every power-on

Unit:mm

Code	Range	Resolution	A	B	C	L	Accuracy
2230-8105-A	0-150/0-6"	0.01/0.005"	100	11	14.5	232.5	0.03/0.0015"
2230-8115-A	0-200/0-8"	0.01/0.005"	100	11	14.5	285	0.03/0.0015"
2230-8125-A	0-300/0-12"	0.01/0.005"	150	13.5	14.5	390	0.03/0.0015"

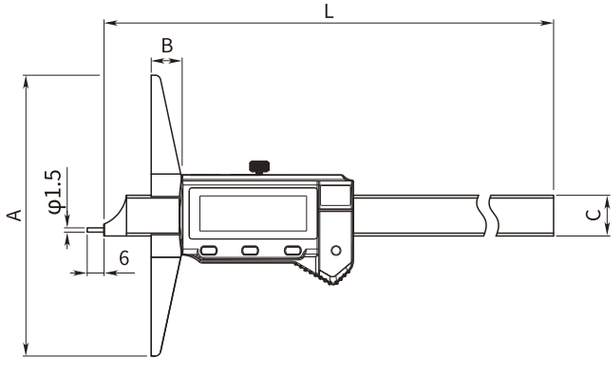
A

DIGITAL DEPTH CALIPER

WITH NEEDLE

Battery + CR2032 | DIN 862 | mm/in/F | Data output

- IP67 waterproof

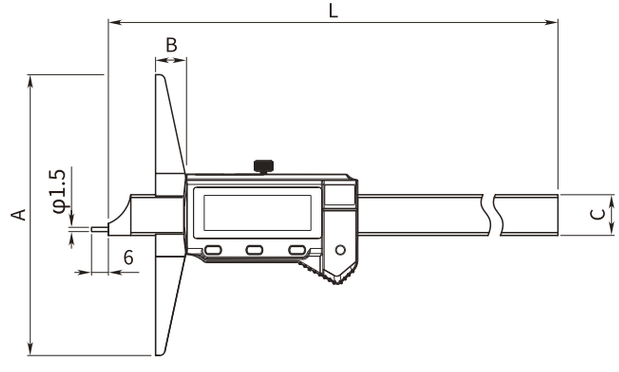


Unit:mm

Code	Range	Resolution	A	B	C	L	Accuracy
2250-2105	0-150/0-6"	0.01/0.005"	100	11	14.5	232.5	0.03/0.0015"
2250-2110	0-200/0-8"	0.01/0.005"	100	11	14.5	285	0.03/0.0015"
2250-2115	0-300/0-12"	0.01/0.005"	150	13.5	14.5	390	0.04/0.0015"

IP67 DIGITAL DEPTH CALIPER

WITH NEEDLE



Unit:mm

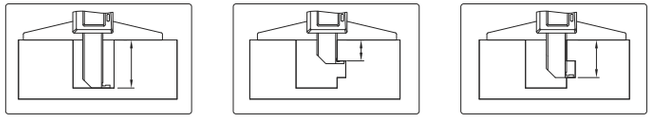
Code	Range	Resolution	A	B	C	L	Accuracy
2001-7005	0-150/0-6"	0.01/0.005"	100	11	14.5	232.5	±0.03
2001-7010	0-200/0-8"	0.01/0.005"	100	11	14.5	285	±0.03
2001-7015	0-300/0-12"	0.01/0.005"	150	13.5	14.5	390	±0.04
2460-3105	0-150/0-6"	0.01/0.005"	100	11	14.5	232.5	±0.03
2460-3110	0-200/0-8"	0.01/0.005"	100	11	14.5	285	±0.03
2460-3115	0-300/0-12"	0.01/0.005"	150	13.5	14.5	390	±0.04

2460-3105, 3110, 3115 are with Bluetooth built in.

DIGITAL DEPTH CALIPER

WITH HOOK

Battery + CR2032 | DIN 862 | mm/in/F | Data output



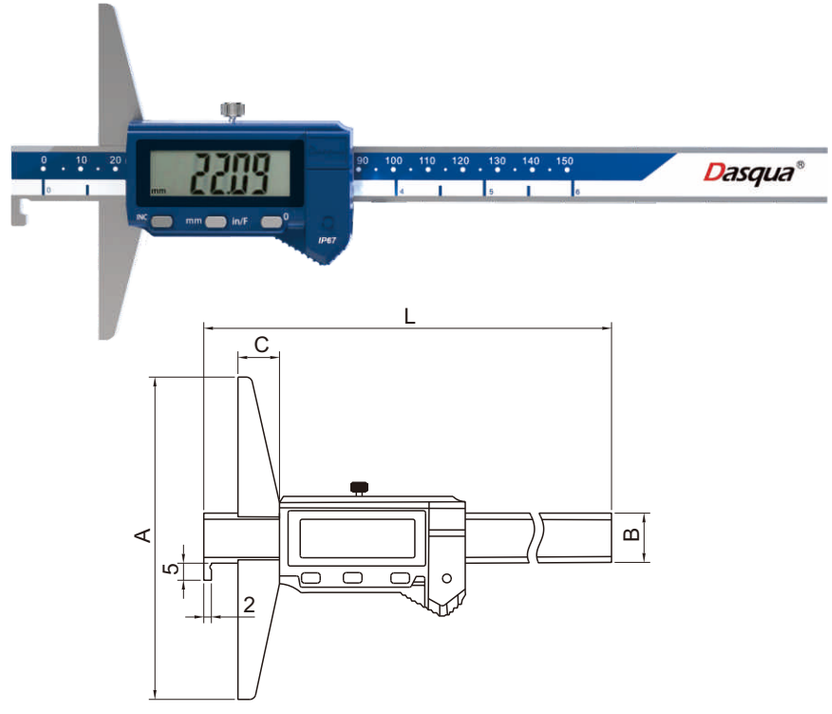
Unit:mm

Code	Range	Resolution	A	C	L	Accuracy
2001-1005	0-150/0-6"	0.01/0.005"	100	2	230	±0.03
2001-1010	0-200/0-8"	0.01/0.005"	100	2	280	±0.03
2001-1015	0-300/0-12"	0.01/0.005"	100	2	380	±0.04

IP67 DIGITAL DEPTH CALIPER

WITH HOOK

Battery + CR2032 | mm/in/F



- Used to measure step and depth
- Made of solid stainless steel, widened and thickened
- Hardened, ground and lapped measuring surfaces for longer service life

Unit:mm

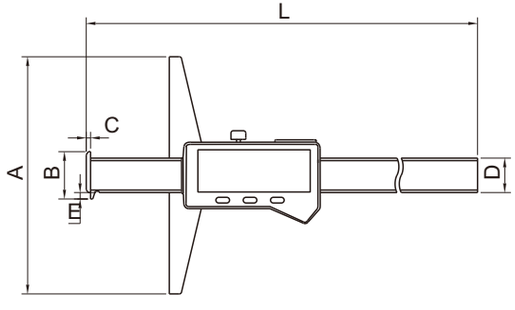
Code	Range	Graduation	A	B	C	L	Accuracy
2001-5005	0-150mm/0-6"	0.01mm/0.0005"/ 1/128"	100	14.5	11	232.5	0.03
2001-5010	0-200mm/0-8"	0.01mm/0.0005"/ 1/128"	100	14.5	11	285	0.03
2001-5015	0-300mm/0-12"	0.01mm/0.0005"/ 1/128"	150	14.5	13.5	390	0.04

A

DIGITAL DEPTH CALIPER

WITH DOUBLE HOOK

Battery + CR2032 | mm / in / F | Data output



- Used to measure step and depth
- Made of solid stainless steel, widened and thickened
- Hardened, ground and lapped measuring surfaces for longer service life

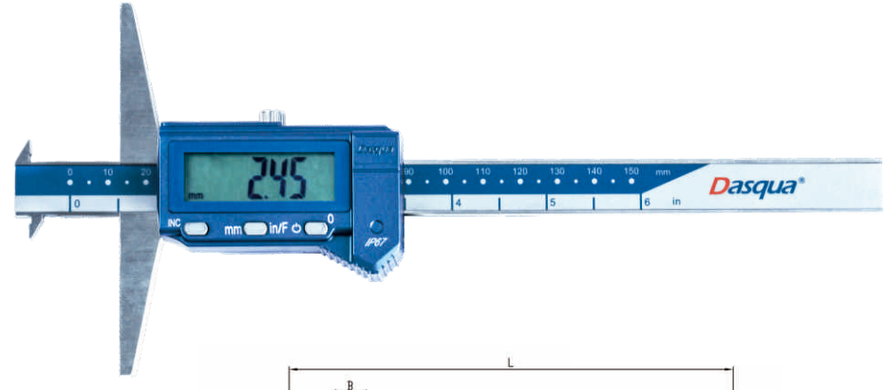
Unit:mm

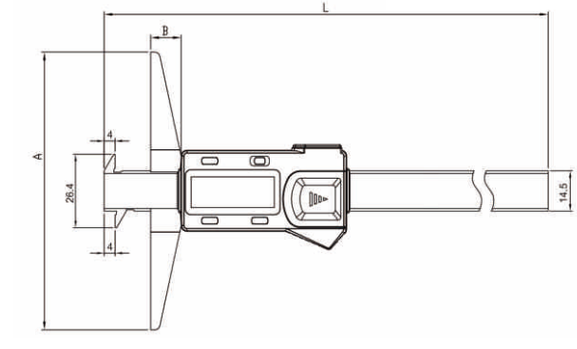
Code	Range	Graduation	A	B	C	D	E	L	Accuracy
2001-3005	0-150mm/0-6"	0.01mm/0.0005"	100	21.5	2.5	14.5	3.5	237.5	±0.03
2001-3010	0-200mm/0-8"	0.01mm/0.0005"	100	21.5	2.5	14.5	3.5	287.5	±0.03
2001-3015	0-300mm/0-12"	0.01mm/0.0005"	100	21.5	2.5	14.5	3.5	387.5	±0.04

IP67 DIGITAL DEPTH CALIPER

WITH DOUBLE HOOK

Battery + CR2032 | mm / in / F | Data output





- Double hook design allows taking reading from the edge of a workpiece to edge of slots, grooves, shoulders and other inside length dimension
- Measuring base face is precision ground and lapped to give it a mirror finished

Unit:mm

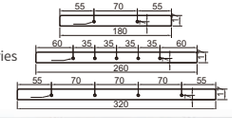
Code	Range	Graduation	A	B	L	Accuracy
2001-6005	0-150mm/0-6"	0.01mm/0.0005"	100	11	232.5	0.03/0.0015"
2001-6010	0-200mm/0-8"	0.01mm/0.0005"	100	11	285	0.03/0.0015"
2001-6015	0-300mm/0-12"	0.01mm/0.0005"	100	13.5	390	0.03/0.0015"

DEPTH VERNIER GAUGE

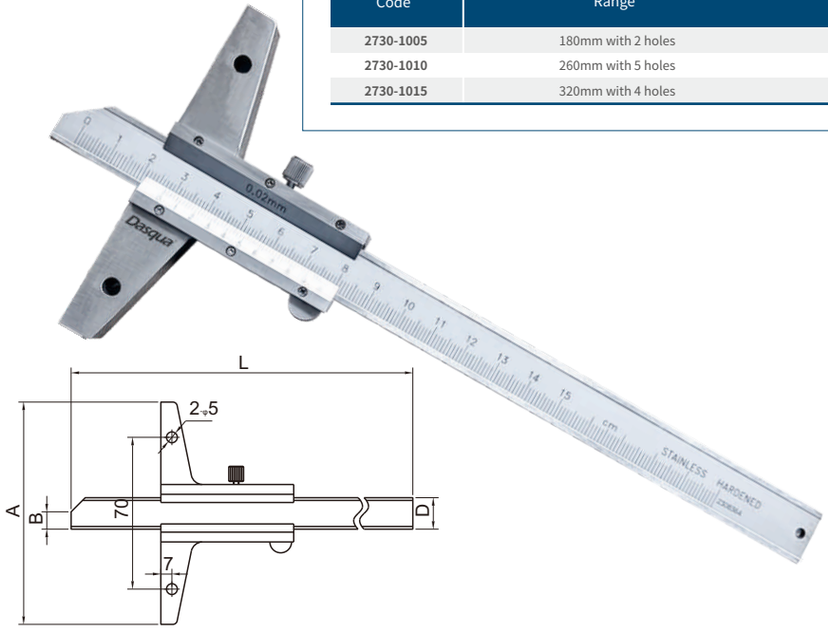
WITH MOUNTING HOLES FOR EXTENSION BASE

EXTENSION BASE FOR DEPTH GAUGE

- With two stainless steel locking screws
- Material: 4Cr13 stainless steel
- Suitable for 3001-3005 to 3001-3025 series and 2001-3305 to 2001-3325 series
- Quenching hardness 52.5-55HRC



Code	Range
2730-1005	180mm with 2 holes
2730-1010	260mm with 5 holes
2730-1015	320mm with 4 holes



- Hardened ground jaws with precision lapped measuring faces
- Satin chrome finish,hardened stainless steel throughout for longer life
- Distinct lines and figures etched against satin chrome finish

Unit:mm

Code	Range	Graduation	A	B	D	L	Accuracy
3001-3005	0-150mm	0.02mm	100	8	16	240	±0.03
3001-3010	0-200mm	0.02mm	100	8	16	290	±0.03
3001-3015	0-300mm	0.02mm	100	8	16	390	±0.04
3001-3020	0-500mm	0.02mm	150	8	16	620	±0.05
3001-3025	0-700mm	0.02mm	150	10	18	850	±0.06

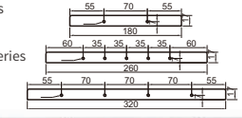
DIGITAL DEPTH GAUGE

WITH MOUNTING HOLES FOR EXTENSION BASE

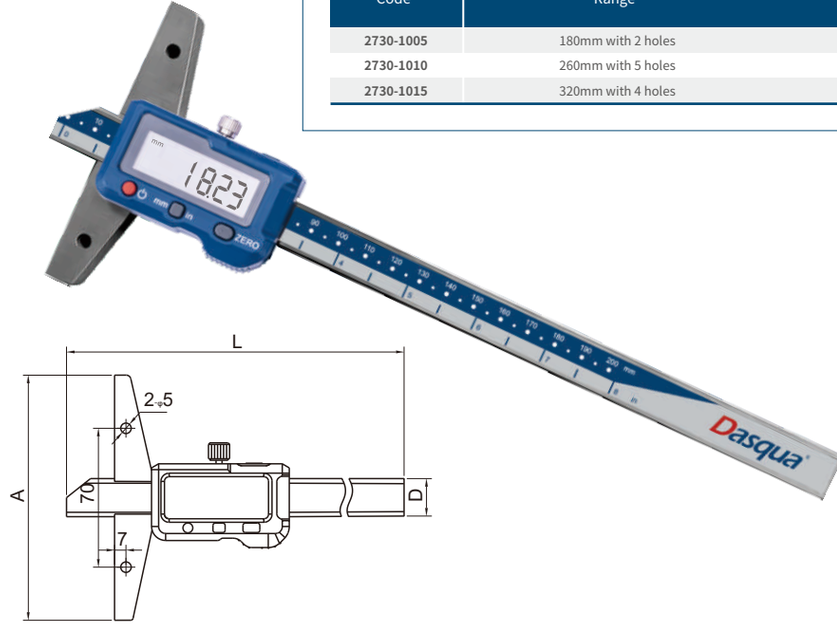
Battery + CR2032 | mm/in | Data output

EXTENSION BASE FOR DEPTH GAUGE

- With two stainless steel locking screws
- Material: 4Cr13 stainless steel
- Suitable for 3001-3005 to 3001-3025 series and 2001-3305 to 2001-3325 series
- Quenching hardness 52.5-55HRC



Code	Range
2730-1005	180mm with 2 holes
2730-1010	260mm with 5 holes
2730-1015	320mm with 4 holes



- Used to measure step and depth
- Made of solid stainless steel, widenedand thickened
- Hardened, ground and lapped measuring surfaces for longer service life

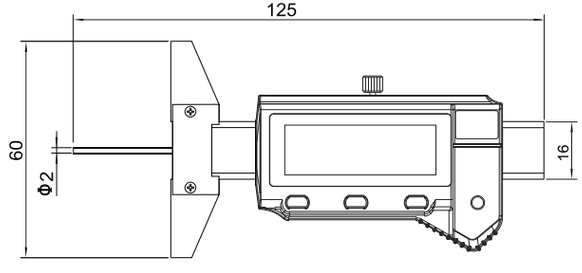
Unit:mm

Code	Range	Graduation	A	B	D	L	Accuracy
2001-3305	0-150mm/0-6"	0.01mm/0.0005"	100	8	16	240	±0.03
2001-3310	0-200mm/0-8"	0.01mm/0.0005"	100	8	16	290	±0.03
2001-3315	0-300mm/0-12"	0.01mm/0.0005"	100	8	16	390	±0.04
2001-3320	0-500mm/0-20"	0.01mm/0.0005"	150	8	16	620	±0.05
2001-3325	0-700mm/0-27.5"	0.01mm/0.0005"	150	10	18	850	±0.06

A

MINI DIGITAL DEPTH GAUGE

Battery + LR44 | mm/in/F | IP54 COOLANT&FLUID RESISTANT



- Used to measure depth of small groove and hole, also to measure depth of tire
- With thin and long depth measuring bar
- Zero setting at any position
- Made of high quality stainless steel

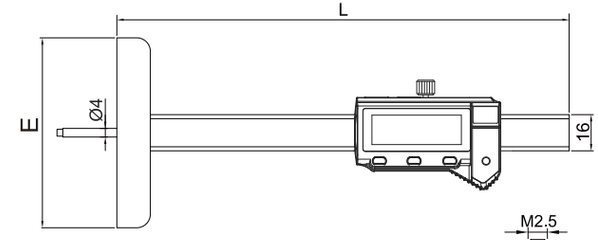
Unit:mm

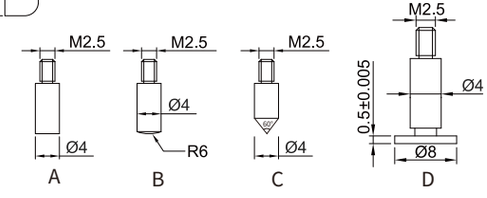
Code	Range	Graduation	A	B	D	L	Accuracy
2240-0030	0-30/1.2"	0.01/0.0005"	60	φ2	16	125	±0.02
2240-0035	0-50/2"	0.01/0.0005"	100	φ2	16	130	±0.03
2240-0036	0-100/4"	0.01/0.0005"	100	φ4	16	180	±0.03

DIGITAL DEPTH GAUGE

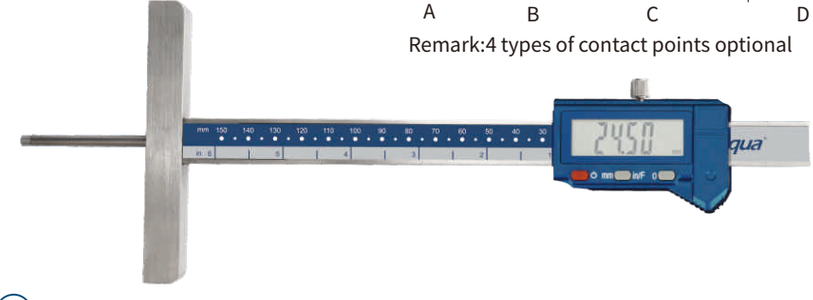
WITH ROUND DEPTH BAR

Battery + CR2032 | mm/in/F | IP54 COOLANT&FLUID RESISTANT





Remark:4 types of contact points optional



- Specially designed for narrow bore depth
- With thin and long depth measuring bar
- Pointed contact, flat contact or spherical contact is optional.
- Made of high quality stainless steel
- Zero setting at any position

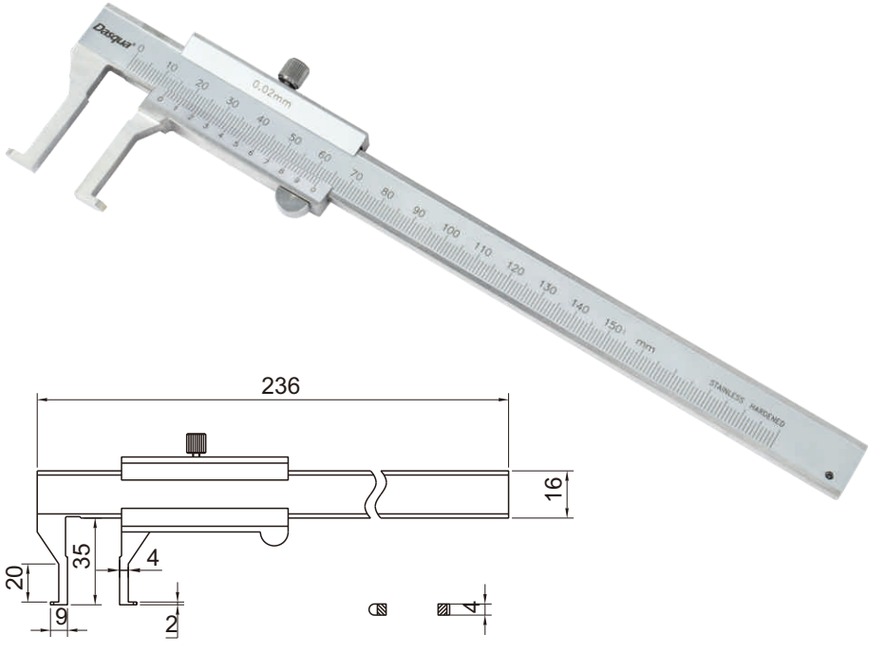
Code	Description	Remark
2730-0050	Spare Parts for Digital Depth Gauge	Type D, Disc Type,Standard accessory
2730-0055	Spare Parts for Digital Depth Gauge	Type A, Flat Type
2730-0060	Spare Parts for Digital Depth Gauge	Type B, Spherical Type
2730-0065	Spare Parts for Digital Depth Gauge	Type C, point Type

Unit:mm

Code	Range	Resolution	L	E	Accuracy
2730-0030	0-150/0-6"	0.01/0.0005"/1/128"	230	101	±0.03
2730-0020	0-200/0-8"	0.01/0.0005"/1/128"	280	101	±0.03
2730-0025	0-300/0-12"	0.01/0.0005"/1/128"	330	101	±0.04

INSIDE GROOVE CALIPER

WITHOUT UPPER INSIDE JAW



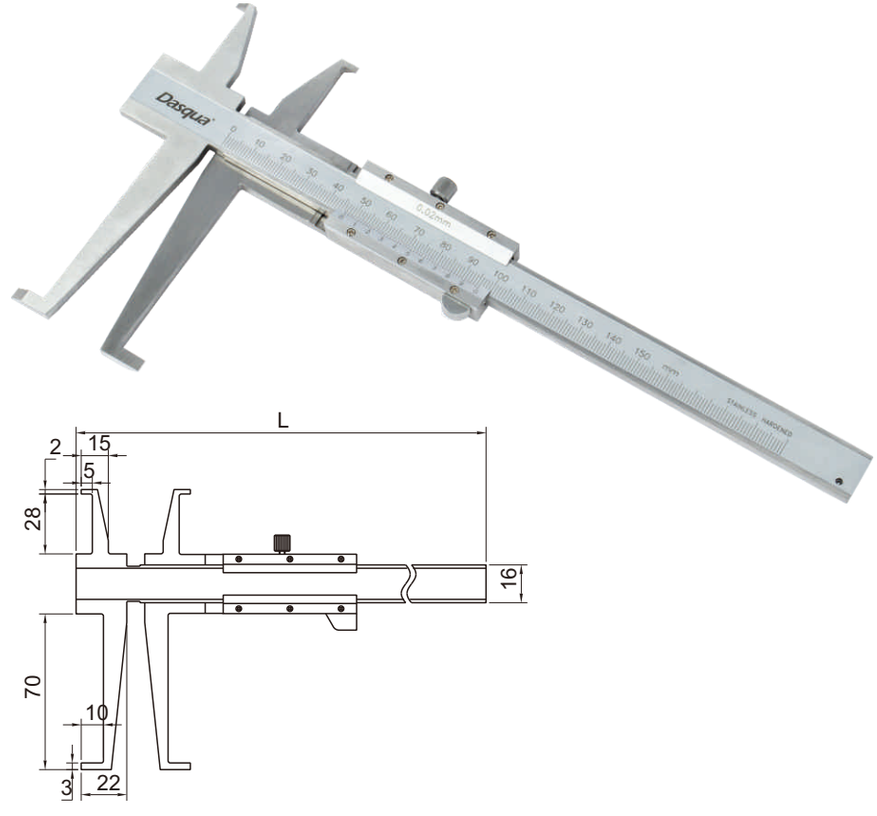
- For measuring grooves in holes
- Hardened ground jaws with precision lapped measuring faces
- Satin chrome finish, hardened stainless steel throughout for longer life
- Distinct lines and figures etched against satin chrome finish
- Monoblock structure

Unit:mm

Code	Range	Graduation	Accuracy
2080-2005	18-150	0.02mm	±0.04

INSIDE GROOVE CALIPER

BOTH UPPER AND LOWER INSIDE JAW



- For measuring grooves in holes
- Hardened ground jaws with precision lapped measuring faces
- Satin chrome finish,hardened stainless steel throughout for longer life
- Distinct lines and figures etched against satin chrome finish

Unit:mm

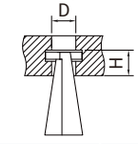
Code	Range	Graduation	L	Accuracy
2605-0040	9-150mm	0.02mm	260	±0.03
2605-0045	9-200mm	0.02mm	310	±0.04
2605-0050	9-300mm	0.02mm	410	±0.05

A

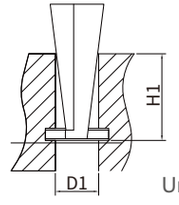
DIGITAL INSIDE GROOVE CALIPER

Battery + CR2032 | mm / in

Measured Size With Upper Jaws



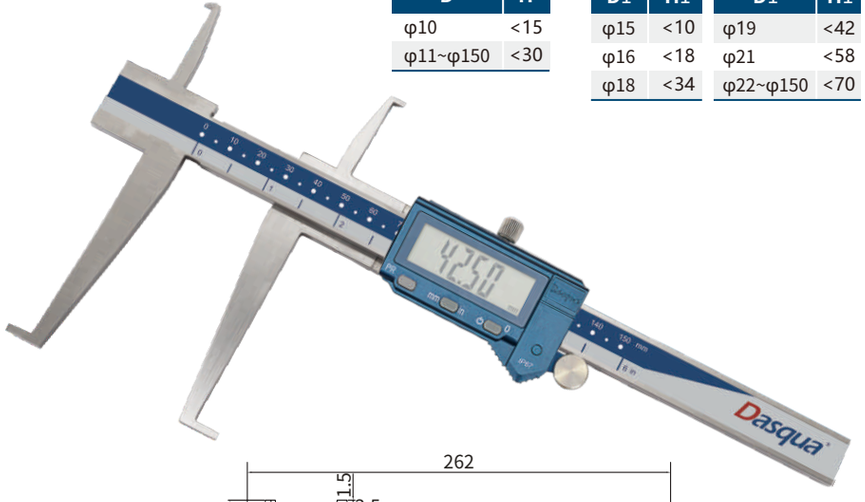
Measured Size (With lower Jaws)

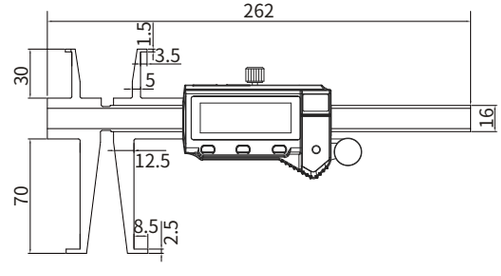


Unit:mm

D	H
φ10	<15
φ11~φ150	<30

D1	H1	D1	H1
φ15	<10	φ19	<42
φ16	<18	φ21	<58
φ18	<34	φ22~φ150	<70





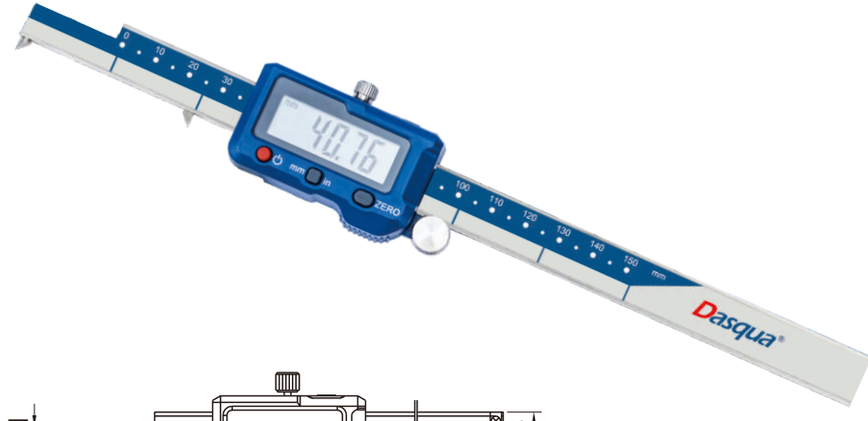
- Used for measuring diameter of grooves inside bores
- Automatic power off
- Made of high quality stainless steel

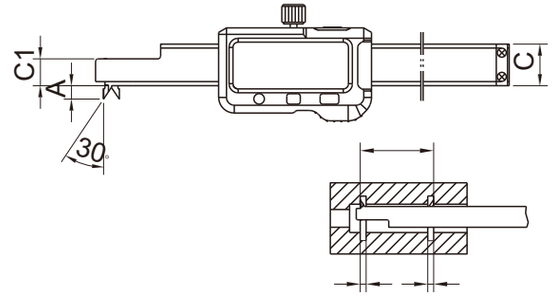
Unit:mm

Code	Range of upper jaw	Range of lower jaw	Resolution	Accuracy
2240-0025	10-150/0.39-6"	15-150/0.59-6"	0.01/0.0005"	±0.04
2240-0026	10-200/0.39-8"	15-200/0.59-8"	0.01/0.0005"	±0.04
2240-0027	10-300/0.39-12"	15-300/0.59-12"	0.01/0.0005"	±0.05

DIGITAL INSIDE GROOVE CALIPER

Battery + CR2032 | mm / in | Data output





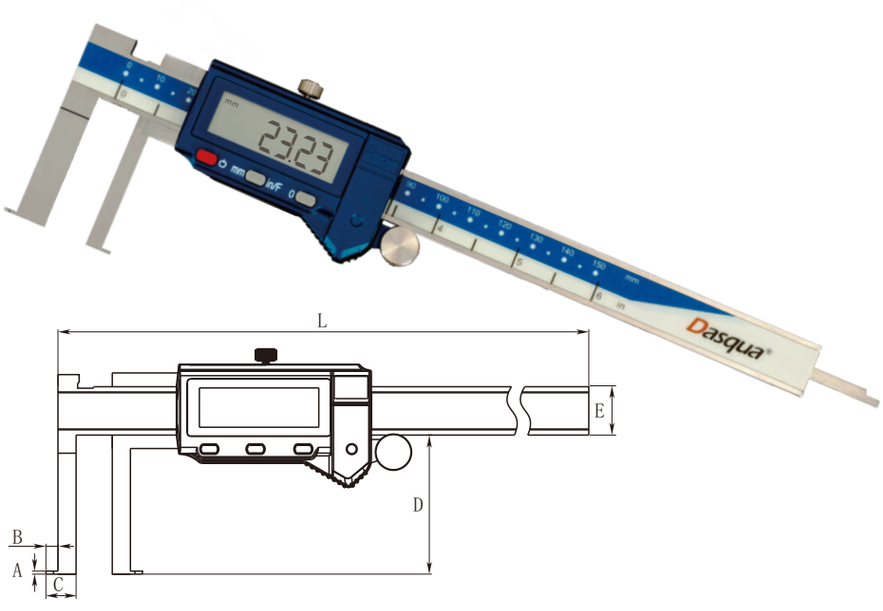
- To measure the width of inside grooves
- Bigger screen with larger digits for easy reading
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth throughout
- With data output

Unit:mm

Code	Range	Graduation	A	B	C	Accuracy
2101-1005	3-150mm/0-6"	0.01mm/0.0005"	5	16	10	±0.03
2101-1010	3-200mm/0-8"	0.01mm/0.0005"	5	16	10	±0.03
2101-1015	3-300mm/0-12"	0.01mm/0.0005"	5	16	10	±0.04

DIGITAL INSIDE GROOVE CALIPER

Battery + CR2032 | DIN 862 | mm / in | IP54 COOLANT&FLUID RESISTANT



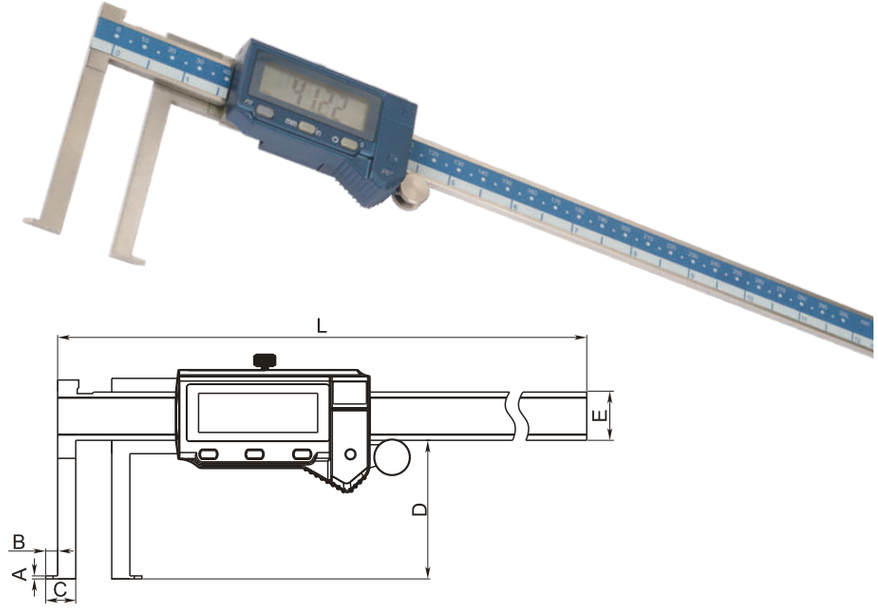
- Measure diameter of grooves inside bores
- NEW Advanced design
- Strictly made in accordance with DIN862
- IP54 protection against water, oil, dust or any other liquid
- Silky smooth movement throughout
- Hardened, ground and lapped measuring surfaces
- Tips: Without presetting!

Unit:mm

Code	range	Reading	A	B	C	D	E	L	Accuracy
2070-1105	10-150/0.39-6"	0.01/0.0005"/ 1/128"	1	4	10	46	16	235	0.03mm/0.0015"
2070-1110	11-200/0.43-8"	0.01/0.0005"/1/128"	1	5	11	56	16	287	0.03mm/0.0015"
2070-1115	12-300/0.47-12"	0.01/0.0005"/1/128"	1.5	5	12	66	16	390	0.04mm/0.0015"

DIGITAL INSIDE GROOVE CALIPER

DIN 862 | Battery + CR2032 | mm / in | IP67 COOLANT&FLUID RESISTANT



- Used to measure inside grooves
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- IP67 protection against liquid
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth movement throughout

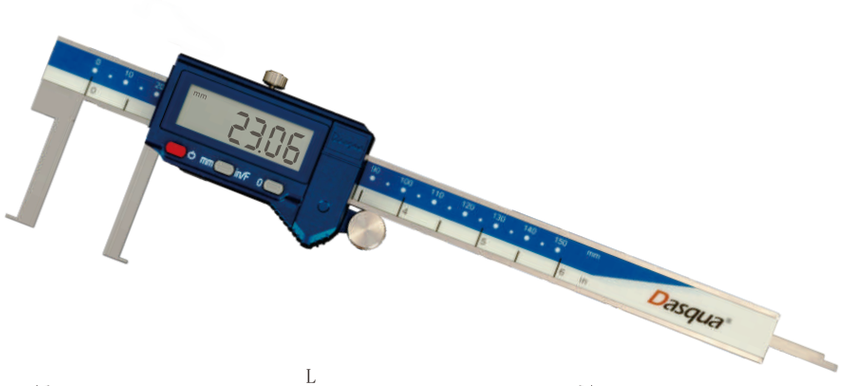
Unit:mm

Code	Range	Resolution	A	B	C	D	E	L	Accuracy
2570-5105	10-150/0.39-6"	0.01/0.0005"	1	4	10	46	16	235	0.03/0.0015"
2570-5110	11-200/0.43-8"	0.01/0.0005"	1	5	11	56	16	287	0.03/0.0015"
2570-5115	12-300/0.47-12"	0.01/0.0005"	1.5	5	12	66	16	390	0.04/0.0015"

A

DIGITAL INSIDE NECK CALIPER

Battery + CR2032 | DIN 862 | mm / in | IP54 COOLANT&FLUID RESISTANT



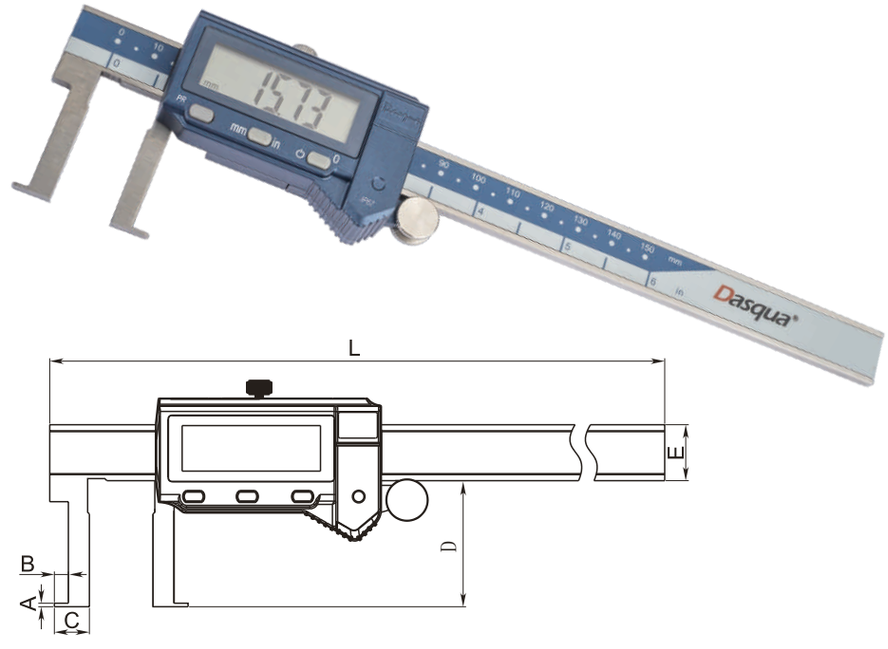
- Measure diameter of grooves inside bores
- NEW Advanced design
- Strictly made in accordance with DIN862
- IP54 protection against water, oil, dust or any other liquid
- Silky smooth movement throughout
- Hardened, ground and lapped measuring surfaces
- Tips: Without presetting!

Unit:mm

Code	range	Reading	A	B	C	D	E	L	Accuracy
2080-1105	10-150/0.79-6"	0.01/0.0005"/ 1/128"	1	4	36	36	16	235	0.03mm/0.0015"
2080-1110	11-200/0.98-8"	0.01/0.0005"/1/128"	1	5	46	46	16	287	0.03mm/0.0015"
2080-1115	12-300/1.18-12"	0.01/0.0005"/1/128"	1.5	5	56	56	16	390	0.04mm/0.0015"

DIGITAL INSIDE NECK CALIPER

DIN 862 | Battery + CR2032 | mm / in | IP67 COOLANT&FLUID RESISTANT



- Used to measure inside grooves
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- IP67 protection against liquid
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth movement throughout

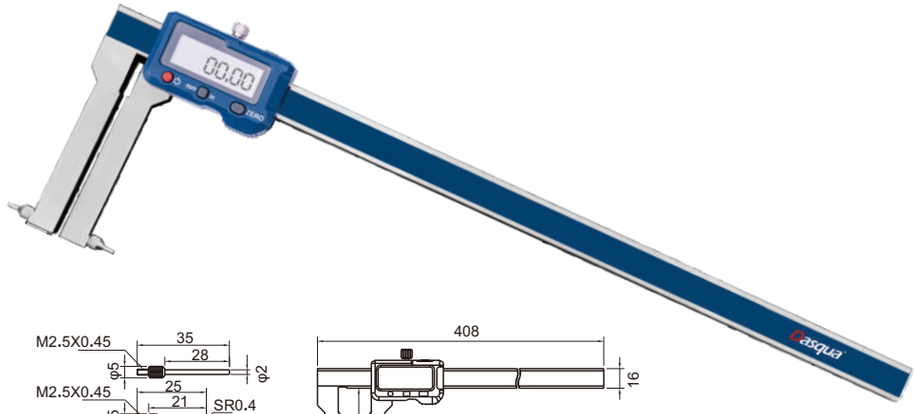
Unit:mm

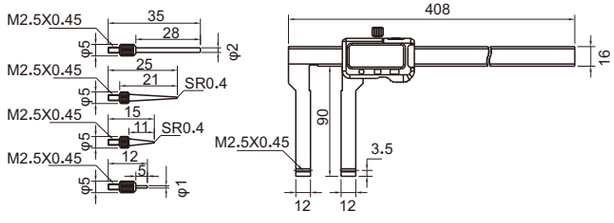
Code	Range	Resolution	A	B	C	D	E	L	Accuracy
2580-5105	20-150/0.787-6"	0.01/0.0005"	1	4	10	36	16	235	0.03/0.0015"
2580-5110	25-200/0.984-8"	0.01/0.0005"	1	5	12.5	46	16	287	0.03/0.0015"
2580-5115	30-300/1.181-12"	0.01/0.0005"	1.5	5	15	56	16	390	0.04/0.0015"

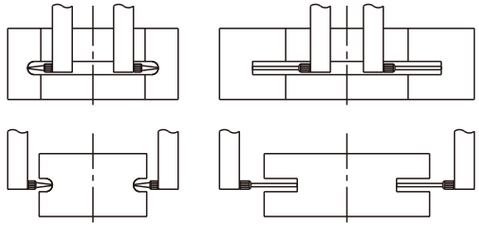
DIGITAL CALIPER

WITH INTERCHANGEABLE POINTS

Battery + CR2032 | mm/in | Data output







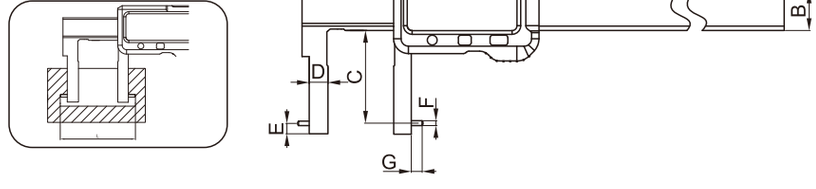
- Hardened ground jaws with precision lapped measuring faces
- Satin chrome finish,hardened stainless steel throughout for longer life
- Matches 4 pairs of interchangeable heads to measure internal and external groove dimensions

Unit:mm

Code	Range	Graduation
2615-1025	0-300mm/0-12"	0.01mm/0.0005"

DIGITAL INSIDE POINT CALIPER

Battery + CR2032 | DIN 862 | mm/in | Data output



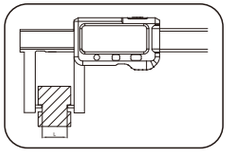
- Measure groove diameter
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth movement throughout

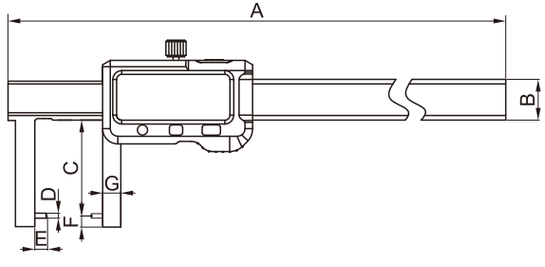
Unit:mm

Code	Range	Resolution	A	B	C	D	E	F	G	Accuracy
2100-1115	24-150	0.01/0.0005"	250	16	40	7	3	2	5	0.04/0.0015"
2100-1120	25-200	0.01/0.0005"	310	16	50	7.5	3	2	5	0.04/0.0015"
2100-1130	30-300	0.01/0.0005"	410	16	60	10	3	2	5	0.05/0.002"

DIGITAL OUTSIDE POINT CALIPER

Battery + CR2032 | DIN 862 | mm / in | Data output





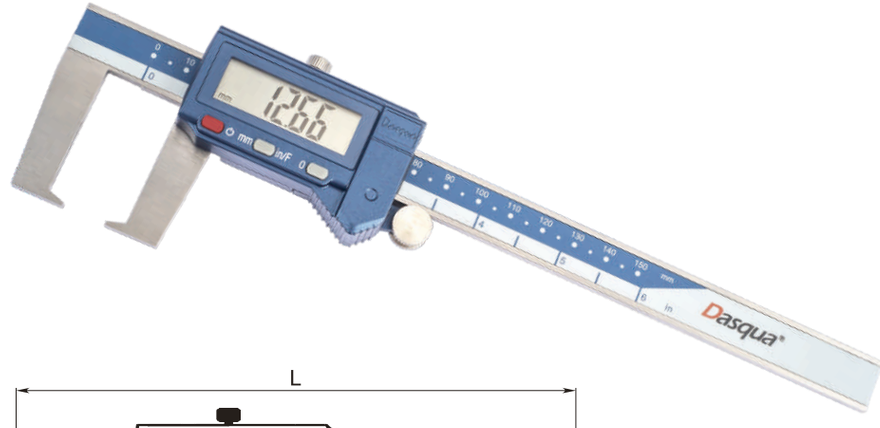
- Measure outside groove diameter
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth movement throughout

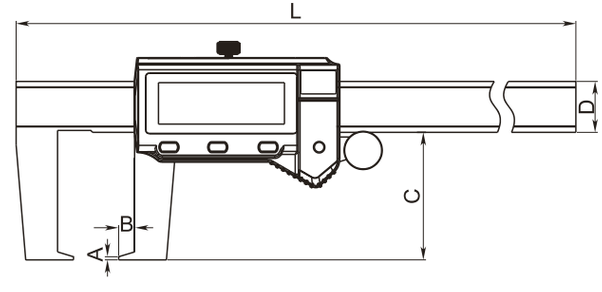
Unit:mm

Code	Range	Resolution	A	B	C	D	E	F	G	Accuracy
2100-1215	0-150/0-6"	0.01/0.0005"	250	16	40	2	5	2	10	0.03/0.0015"
2100-1220	0-200/0-8"	0.01/0.0005"	310	16	50	2.5	8	2	12	0.04/0.0015"
2100-1230	0-300/0-12"	0.01/0.0005"	410	16	60	2.5	10	2	17	0.04/0.0015"

DIGITAL OUTSIDE NECK CALIPER

DIN 862 | Battery + CR2032 | mm / in / F | IP54 COOLANT&FLUID RESISTANT





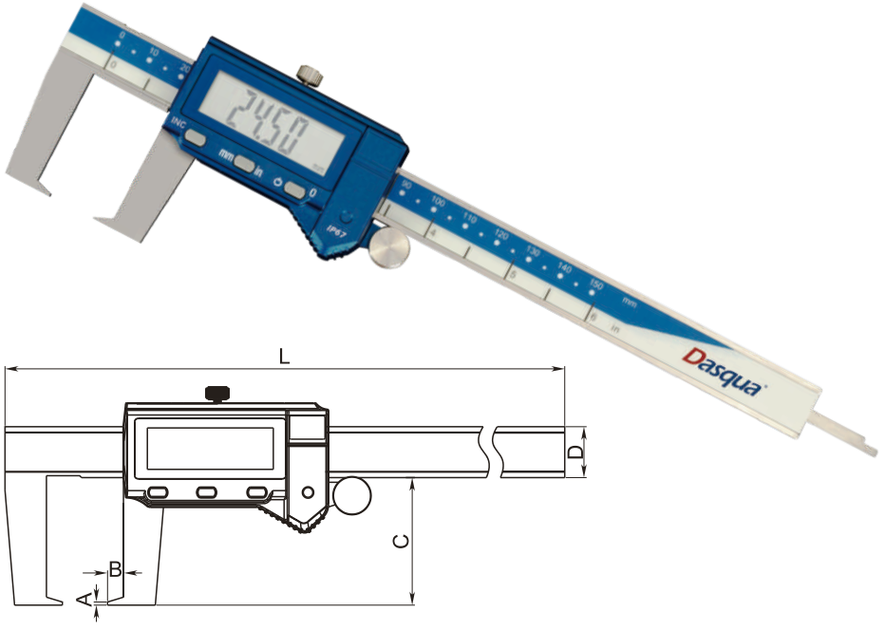
- Used to measure outside grooves
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- IP54 protection against liquid
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth movement throughout

Unit:mm

Code	Range	Resolution	A	B	C	D	L	Accuracy
2065-1105	0-150/0-6"	0.01/0.0005"/ 1/128"	1	5	40	16	250	0.03/0.0015"
2065-1110	0-200/0-8"	0.01/0.0005"/ 1/128"	1	7	50	16	300	0.03/0.0015"
2065-1115	0-300/0-12"	0.01/0.0005"/ 1/128"	1.5	8	60	16	405	0.04/0.0015"

IP67 DIGITAL OUTSIDE NECK CALIPER

DIN 862 | Battery + CR2032 | mm/in/F | IP67 COOLANT&FLUID RESISTANT

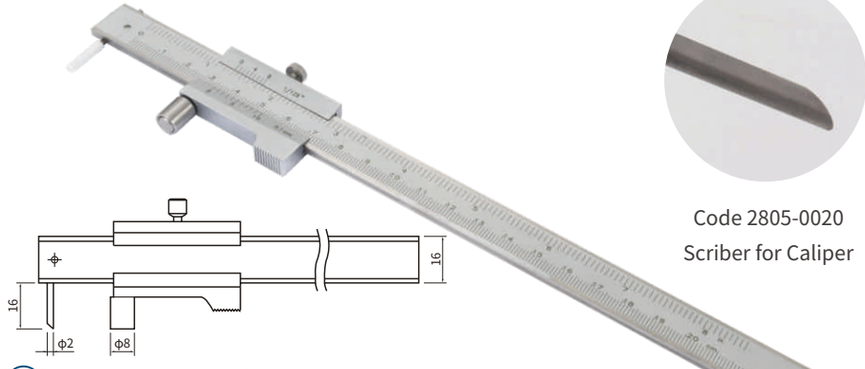


- Flat jaw type can measure grooves and recesses
- Ip67 Dust/Waterproof
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth throughout

Unit:mm

Code	Range	Resolution	A	B	C	D	L	Accuracy
2065-1135	0-150/0-6"	0.01/0.0005"	1	5	40	16	250	±0.03
2065-1140	0-200/0-8"	0.01/0.0005"	1	7	50	16	300	±0.03
2065-1145	0-300/0-12"	0.01/0.0005"	1.5	8	60	16	405	±0.04

SCRIBING CALIPER



Code 2805-0020
Scriber for Caliper

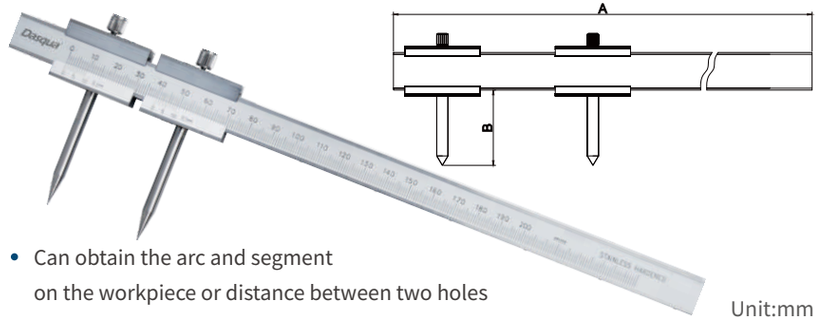
- Distinct lines and figures laser etched on beam
- Used to measure outside diameter, inside diameter, step, depth measurement and also for scribing
- Made of high quality stainless steel
- Carbide tipped measuring faces making scribing clear

Unit:mm

Code	Range	Graduation	Accuracy
2805-0005-A	0-200/0-8"	0.1/1/128"	±0.1
2805-0010-A	0-400/0-16"	0.1/1/128"	±0.1
2805-0015-A	0-500/0-20"	0.1/1/128"	±0.1

MARKING GAUGE

WITH TWO POINTER

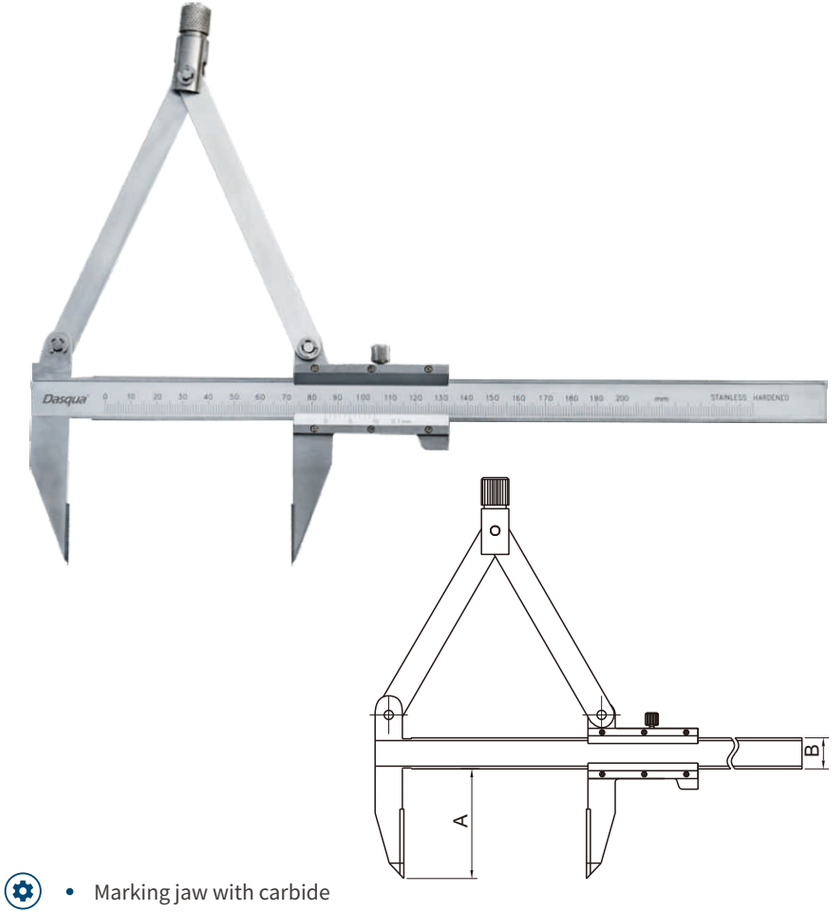


- Can obtain the arc and segment on the workpiece or distance between two holes

Unit:mm

Code	Range	Graduation	Accuracy
2805-0025	0-200	0.02mm	±0.05

MARKING GAUGE

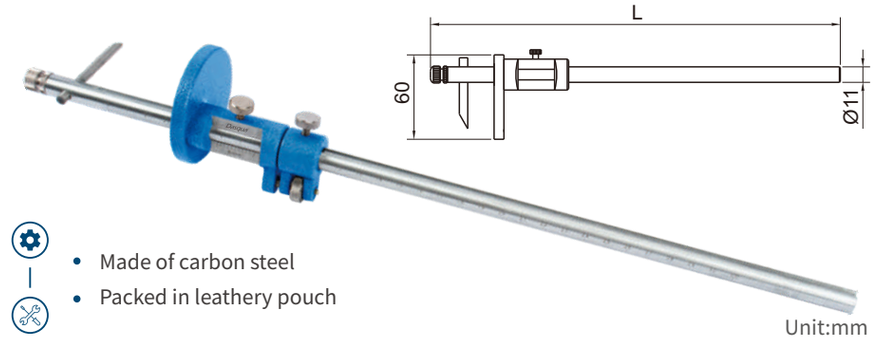


- Marking jaw with carbide
- Can obtain the parallel line on the workpiece
- Hardened ground jaws with precision lapped measuring faces
- Satin chrome finish,hardened stainless steel throughout for longer life
- Distinct lines and figures etched against satin chrome finish

Unit:mm

Code	Range	Graduation	A	B	Accuracy
2605-0225	0-150mm	0.02mm	40	17	±0.05
2605-0230	0-200mm	0.02mm	50	17	±0.07
2605-0240	0-300mm	0.02mm	60	17	±0.09

ROUND ROD MARKING GAUGE

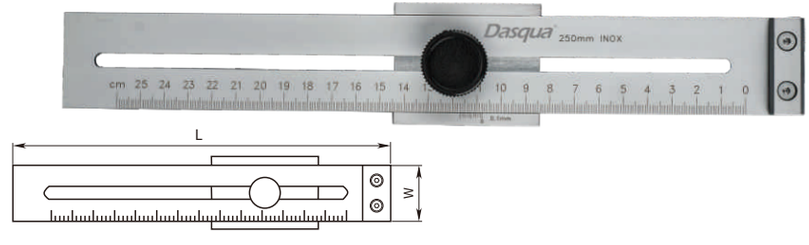


- Made of carbon steel
- Packed in leathery pouch

Unit:mm

Code	Range	Graduation	L	Accuracy
2805-1105	0-200	0.1mm	312	±0.1
2805-1110	0-300	0.1mm	412	±0.1
2805-1115	0-400	0.1mm	512	±0.1
2805-1120	0-500	0.1mm	612	±0.1

MARKING GAUGE

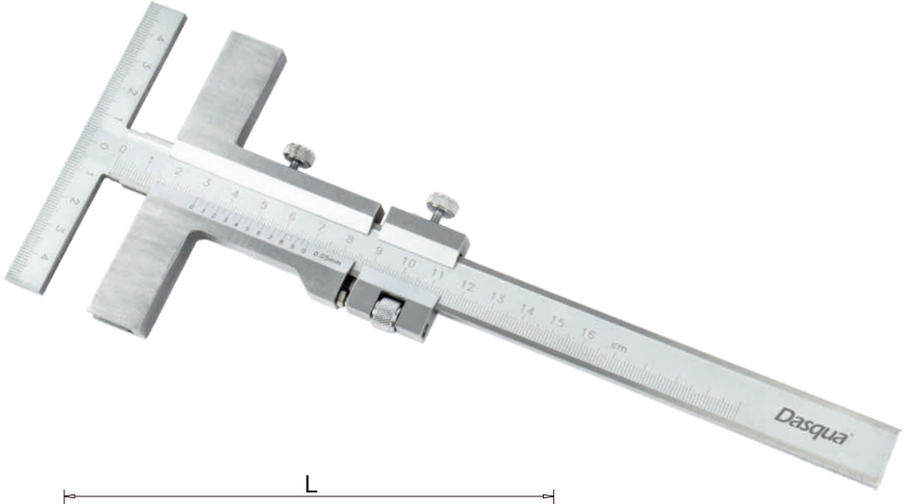


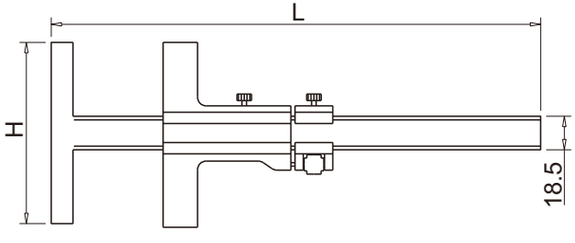
- Perfect tool for engineers, craft persons, model makers for a variety of marking out jobs
- Made of high quality steel
- Stress-relieved and precision ground in pairs
- Distinct lines and figures laser etched on beam

Unit:mm

Code	Range	Graduation	Accuracy	L	W
9241-3105	0-200	0.1	±0.1	250	40
9241-3110	0-250	0.1	±0.1	300	40
9241-3115	0-300	0.1	±0.1	350	40

T TYPE VERNIER CALIPER





- With locking clamp
- Made of hardened stainless steel
- Packed in wooden box

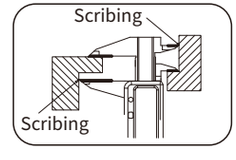
Unit:mm

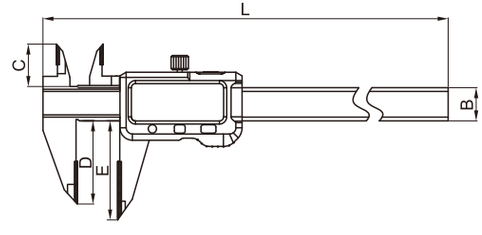
Code	Range	Graduation	L	H	Accuracy
2805-0035	0-160	0.05mm	270	100	±0.05
2805-0040	0-250	0.05mm	370	140	±0.05
2805-0045	0-300	0.05mm	420	160	±0.05
2805-0050	0-400	0.05mm	520	160	±0.05

SCRIBING CALIPER

CARBIDE-TIPPED JAWS

Battery + CR2032 | DIN 862 | mm / in | Data output





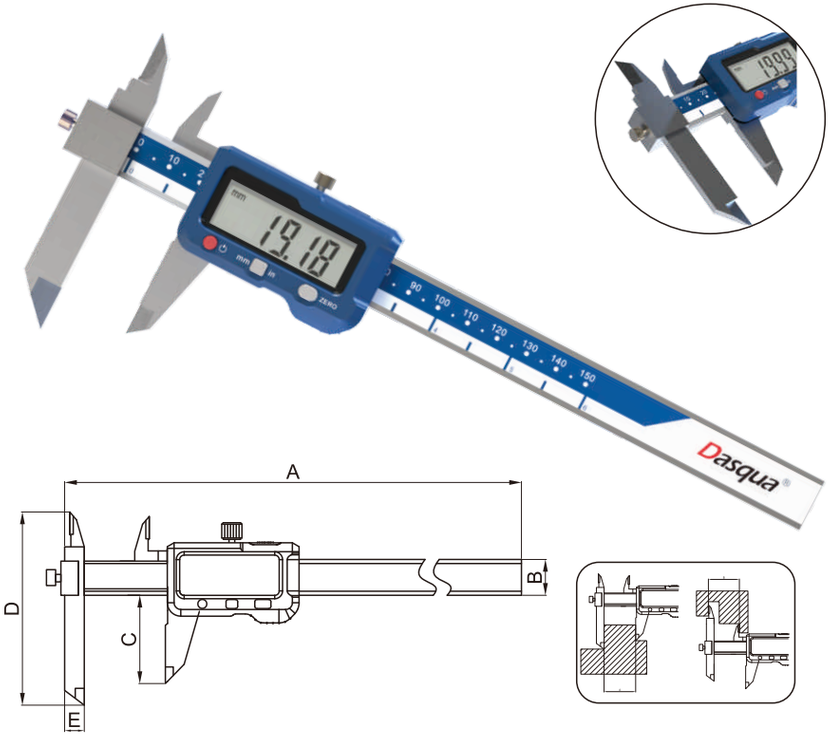
- **Carbide tipped** measuring faces for easier making scribing and ensuring a brasive resistance
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth movement throughout

Unit:mm

Code	Range	Resolution	A	B	C	D	E	Accuracy
2100-0015	0-150/0-6"	0.01/0.0005"	236	16	20	30	40	0.02/0.001"
2100-0020	0-200/0-8"	0.01/0.0005"	286	16	24	40	50	0.03/0.0015"
2100-0030	0-300/0-12"	0.01/0.0005"	400	17	26	50	60	0.04/0.0015"

DIGITAL OFFSET CALIPER

Battery + CR2032 | DIN 862 | mm / in | Data output



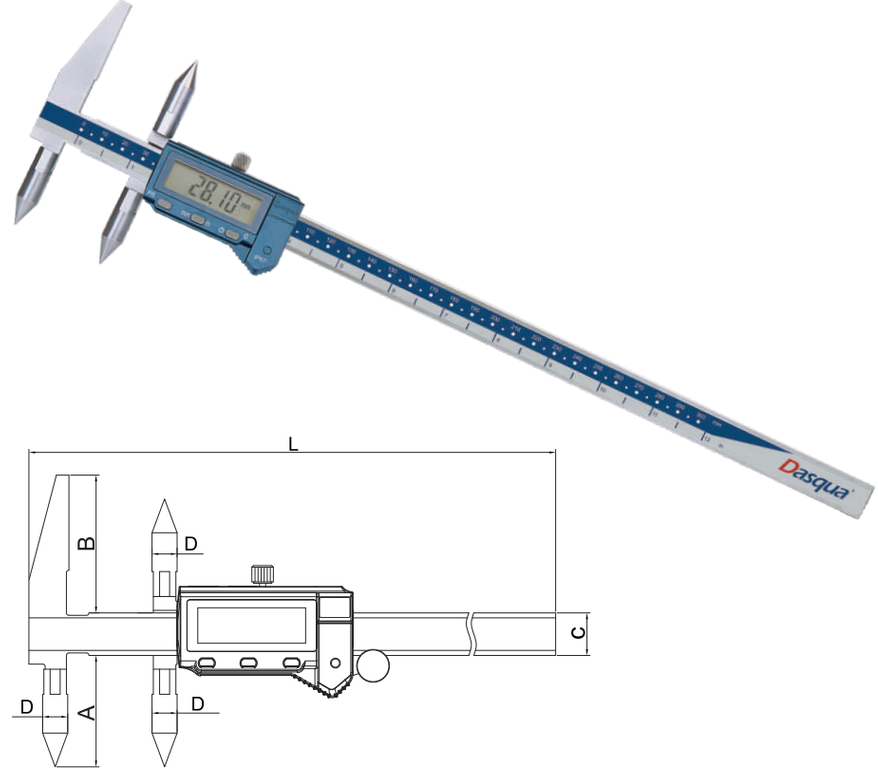
- The left jaw can slide up and down to facilitate measurement of stepped sections
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth movement throughout

Unit:mm

Code	Range	Resolution	A	B	C	D	E	Accuracy
2100-1015	0-150/0-6"	0.01/0.0005"	239	16	40	110	10	0.04/0.0015"
2100-1020	0-200/0-8"	0.01/0.0005"	289	16	50	120	10	0.04/0.0015"
2100-1030	0-300/0-12"	0.01/0.0005"	389	16	60	130	10	0.05/0.002"

IP67 DIGITAL CENTERLINE & APOTHEM CALIPER

Battery + CR2032 | mm / in | IP67 COOLANT&FLUID RESISTANT



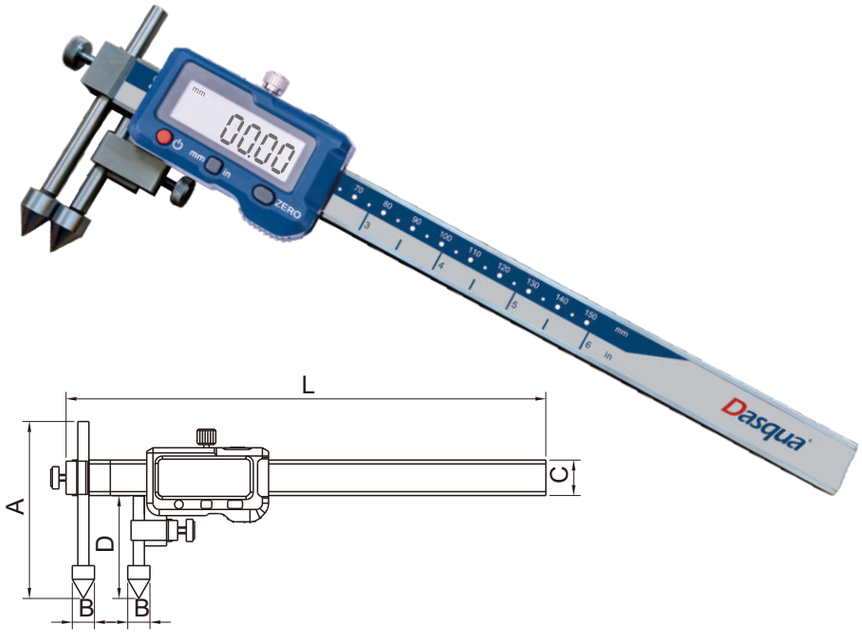
- Specially designed to measure distances between centers on the same and offset planes
- Can preset the size of measuring anvil

Unit:mm

Code	Apothem Range	Centerline Range	Resolution	A	B	C	D	L	Accuracy
2130-1005	5-300	10-300	0.01/0.0005"	44.5	55	17	φ10	410	±0.08
2130-1010	10-500	20-500	0.01/0.0005"	40	50	24	φ20	690	±0.09

DIGITAL CERNTERLINE CALIPER

Battery + CR2032 | mm / in | Data output



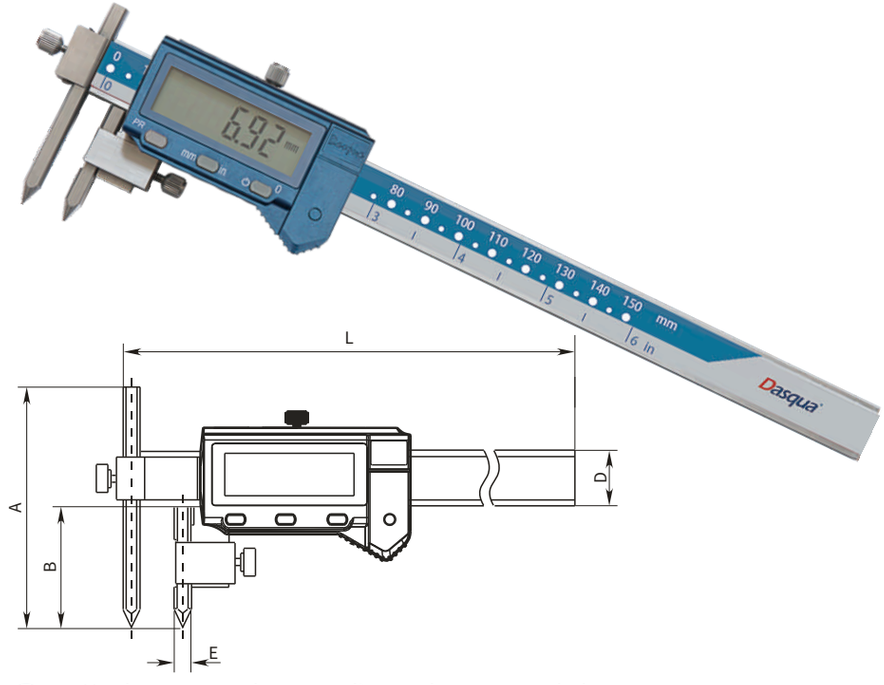
- Measure the distance between two holes or edge to hole
- Made of solid stainless steel
- Hardened, ground and lapped measuring surfaces for longer service life

Unit:mm

Code	Range	Graduation	A	B	C	D	L	Accuracy
2730-4065	10-150mm	0.01mm/0.0005"	80	φ10	16	46	250	±0.05
2730-4070	10-200mm	0.01mm/0.0005"	80	φ10	16	46	300	±0.07
2730-4075	10-300mm	0.01mm/0.0005"	80	φ10	16	46	400	±0.09
2730-4080	20-500mm	0.01mm/0.0005"	110	φ20	24	70	686	±0.09
2730-4085	30-1000mm	0.01mm/0.0005"	120	φ30	31	75	1241	±0.12
2730-4090	30-1500mm	0.01mm/0.0005"	120	φ30	31	75	1241	±0.15

IP67 DIGITAL CENTERLINE CALIPER

Battery + CR2032 | mm / in | IP67 COOLANT&FLUID RESISTANT



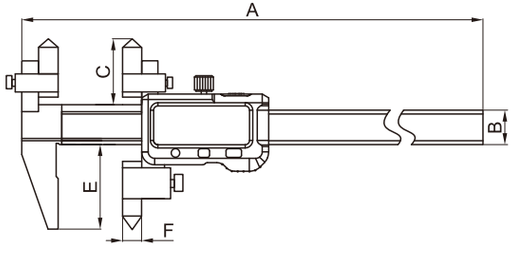
- Used to measure the center distance between two holes
- Can preset the size of measuring anvil
- The conical points can be adjusted up or down to measure the center distance between two holes on different heights.
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth throughout
- Made of high quality stainless steel

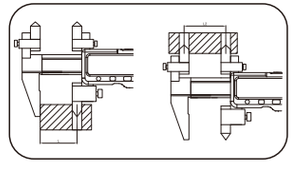
Unit:mm

Code	Range	Resolution	A	B	D	E	L	Accuracy
2730-3105	5-150	0.01/0.0005"	65	32	16	φ5	236	±0.05
2730-3110	5-200	0.01/0.0005"	65	32	16	φ5	286	±0.07
2730-3115	5-300	0.01/0.0005"	65	32	16	φ5	396	±0.09

DIGITAL APOTHEM CENTERLINE CALIPERS

Battery + CR2032 | DIN 862 | mm / in | Data output





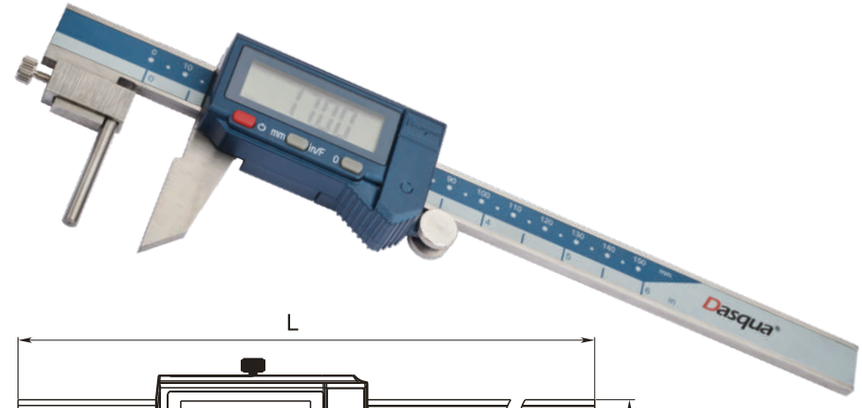
- Measure the distance between two holes or edge to hole
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth movement throughout

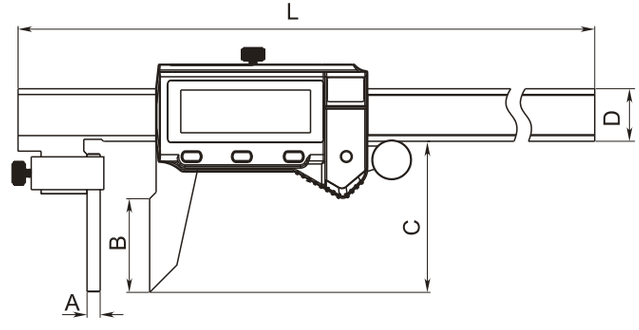
Unit:mm

Code	Range	Resolution	A	B	C	E	F	Accuracy
2100-1315	5-150	0.01/0.0005"	236	16	29	50	5	0.03/0.0015"
2101-1315	10-150	0.01/0.0005"	236	16	35	50	10	0.03/0.0015"
2100-1320	5-200	0.01/0.0005"	285	16	29	50	5	0.04/0.0015"
2101-1320	10-200	0.01/0.0005"	285	16	35	50	10	0.04/0.0015"
2100-1330	5-300	0.01/0.0005"	385	16	29	50	5	0.05/0.002"
2101-1330	10-300	0.01/0.0005"	385	16	35	50	10	0.05/0.002"

DIGITAL TUBE THICKNESS CALIPER

DIN 862 | Battery + CR2032 | mm / in / F | IP54 COOLANT&FLUID RESISTANT



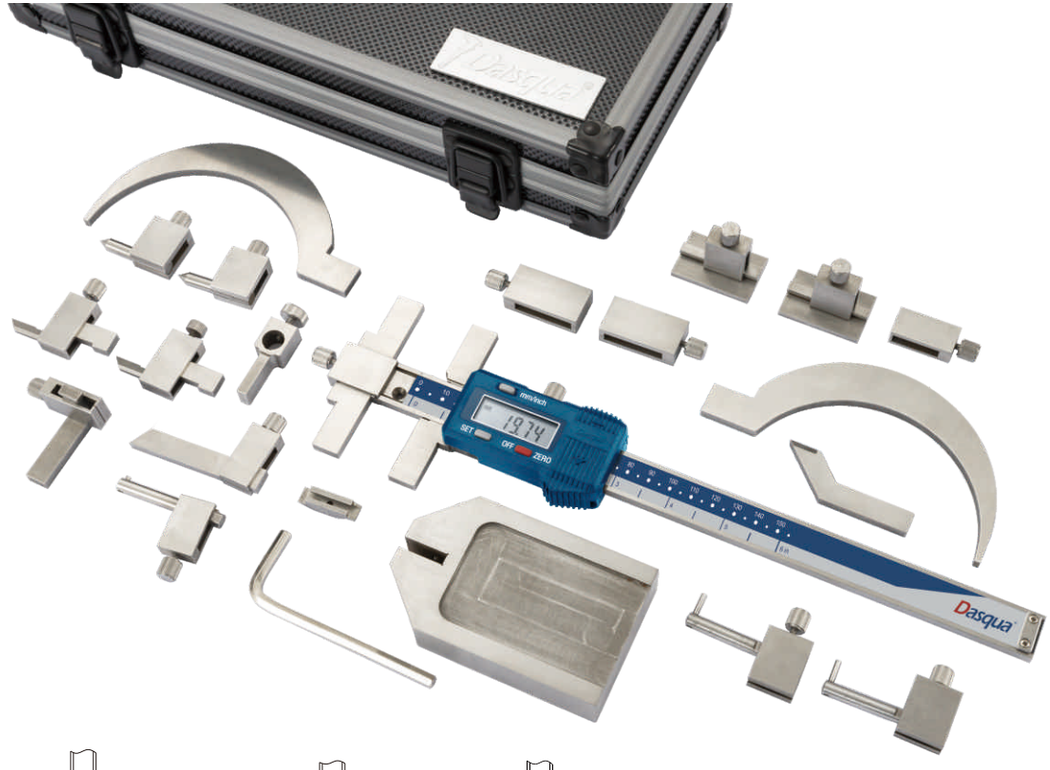


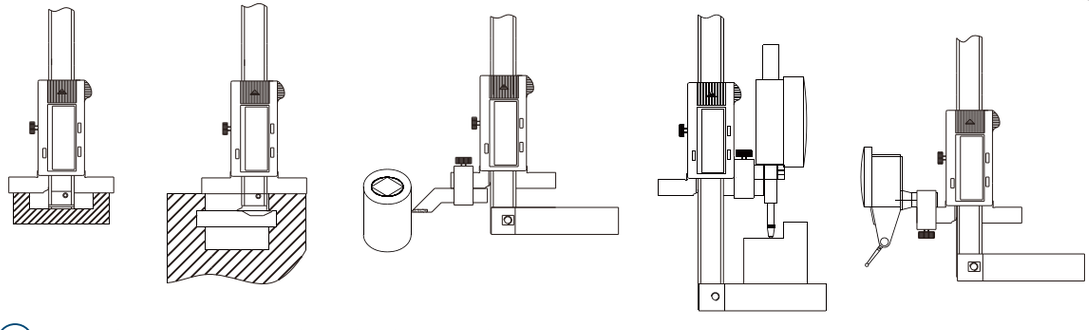
- Used to measure tube thickness
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- IP54 protection against liquid
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth movement throughout

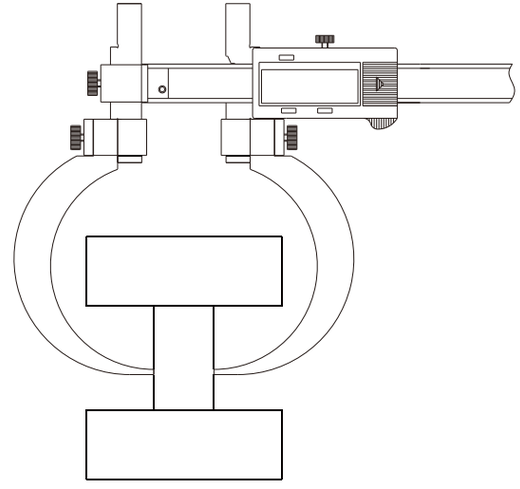
Unit:mm

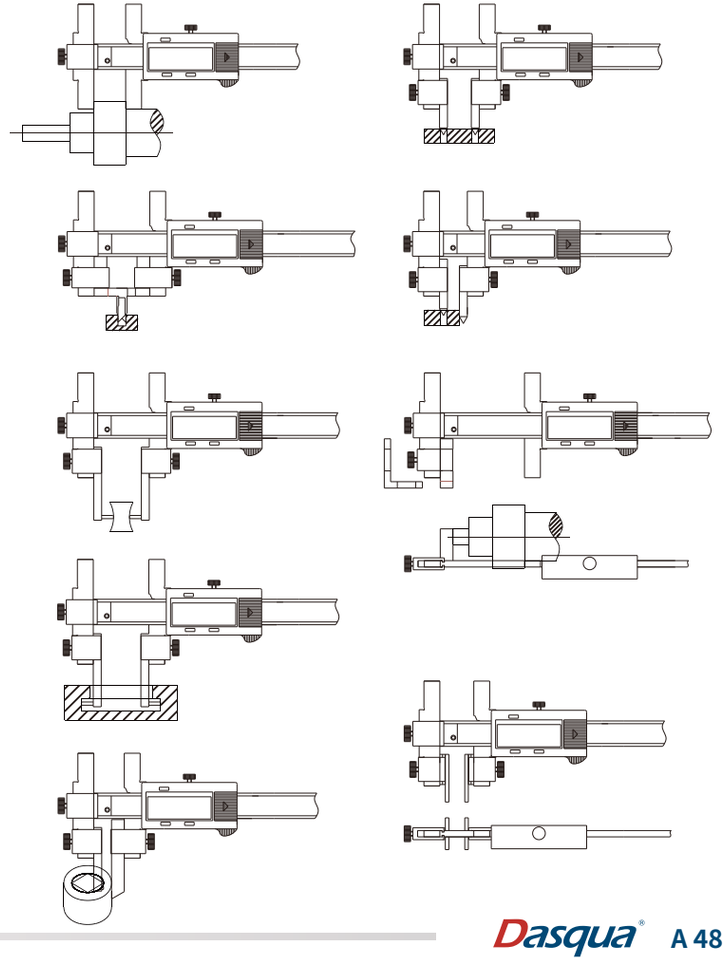
Code	Range	Resolution	A	B	C	D	L	Accuracy
2060-1105	0-150/0-6"	0.01/0.0005"/ 1/128"	Φ4	28.5	46	16	250	0.03/0.0015"
2060-1110	0-200/0-8"	0.01/0.0005"/ 1/128"	Φ4	32.5	50	16	300	0.03/0.0015"
2060-1115	0-300/0-12"	0.01/0.0005"/ 1/128"	Φ4	48.5	66	16	400	0.04/0.0015"

MULTI-FUNCTION DIGITAL CALIPER









- Used to satisfy users various aims in measuring
- Made of high quality stainless steel
- Zero setting at any position

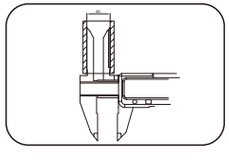
Unit:mm

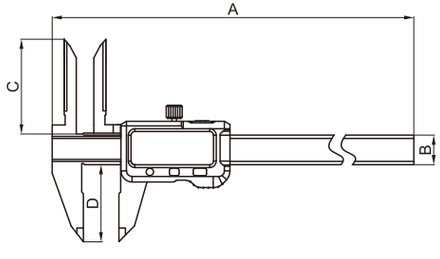
Code	Range	Resolution
2615-0015	0-150/0-6"	0.01/0.0005"

DIGITAL CALIPER

WITH LONG UPPER JAWS

Battery + CR2032 | DIN 862 | mm / in | Data output





- Made of solid stainless steel
- Long upper jaws for measuring diameter of deep holes
- Strictly made in accordance with DIN862
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth movement throughout

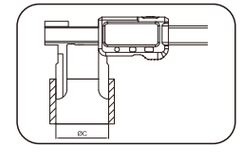
Unit:mm

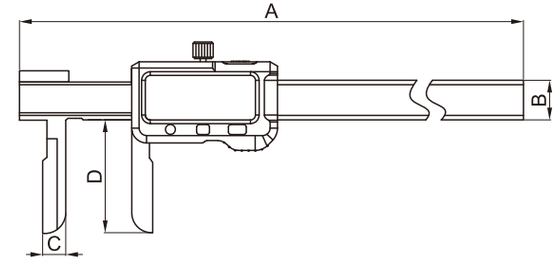
Code	Range	Resolution	A	B	C	D	E	Accuracy
2100-0615	0-150/0-6"	0.01/0.0005"	235	16	44	30	40	0.04/0.0015"
2100-0620	0-200/0-8"	0.01/0.0005"	285	16	44	40	50	0.04/0.0015"
2100-0630	0-300/0-12"	0.01/0.0005"	400	17	44	50	60	0.05/0.002"

DIGITAL CALIPER

WITH LONG LOWER JAWS

Battery + CR2032 | DIN 862 | mm / in | Data output





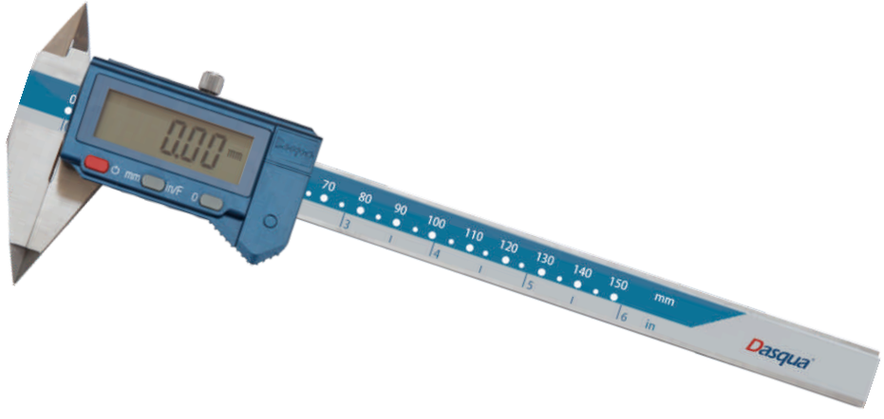
- Long jaws for measuring diameter of deep holes
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth movement throughout

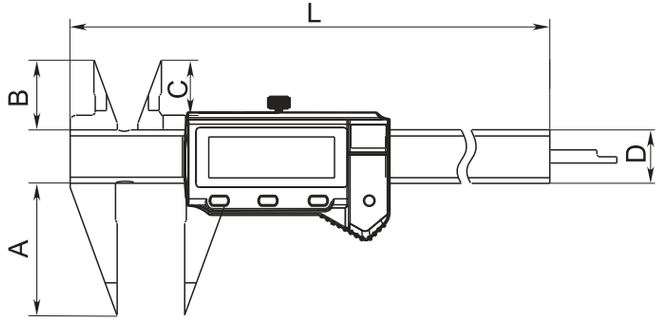
Unit:mm

Code	Range	Resolution	A	B	C	D	Accuracy
2100-1615	15-150	0.01/0.0005"	250	16	12	60	0.03/0.0015"
2100-1620	18-200	0.01/0.0005"	305	16	14	75	0.05/0.002"
2100-1630	20-300	0.01/0.0005"	410	16	14	90	0.06/0.0025"

DIGITAL POINT CALIPER

DIN 862 | Battery + CR2032 | mm / in / F | IP54 COOLANT&FLUID RESISTANT





- The narrow pointed jaws fit into very small grooves and tracks, making many previously difficult outside measurements far easier to obtain
- Strictly made in accordance with DIN862
- With depth bar

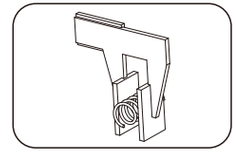
Unit:mm

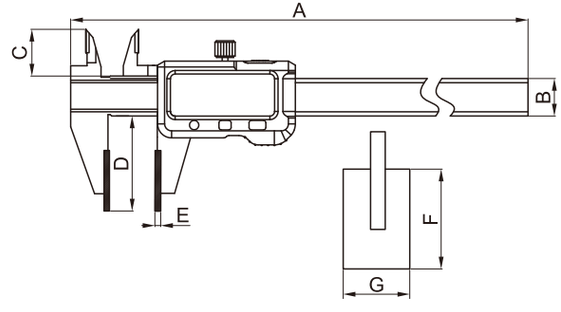
Code	Range	Resolution	A	B	C	D	L	Accuracy
2090-0010	0-150/0-6"	0.01/0.0005"/1/128"	40	20	15.4	16	235	0.03/0.0015"

DIGITAL CALIPER

WITH LARGE MEASURING FACE

Battery + CR2032 | DIN 862 | mm / in | Data output





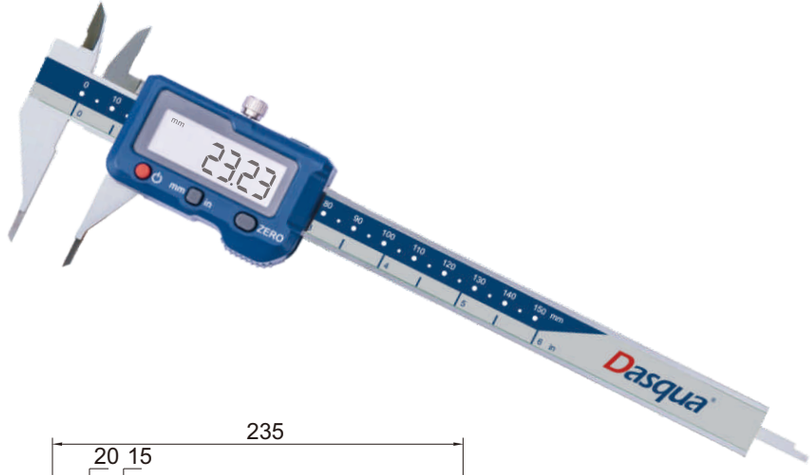
- Measure diameter of wire ropes and thickness of soft materials like rubbers, ponge, etc
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth movement throughout

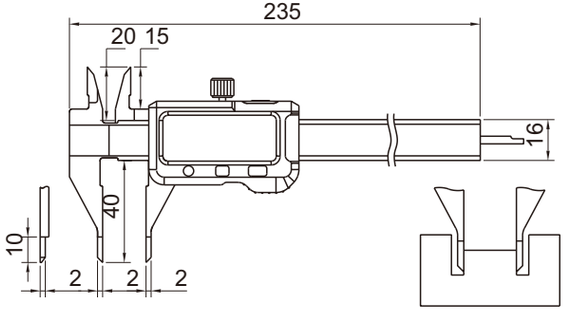
Unit:mm

Code	Range	Resolution	A	B	C	D	E	F	G	Accuracy
2100-0115	0-150/0-6"	0.01/0.0005"	236	16	20	40	4	30	20	0.03/0.0015"
2100-0120	0-200/0-8"	0.01/0.0005"	286	16	24	40	4	30	20	0.04/0.0015"
2100-0130	0-300/0-12"	0.01/0.0005"	400	17	26	40	4	30	20	0.05/0.002"

DIGITAL CALIPER

WITH SMALL POINTED JAW



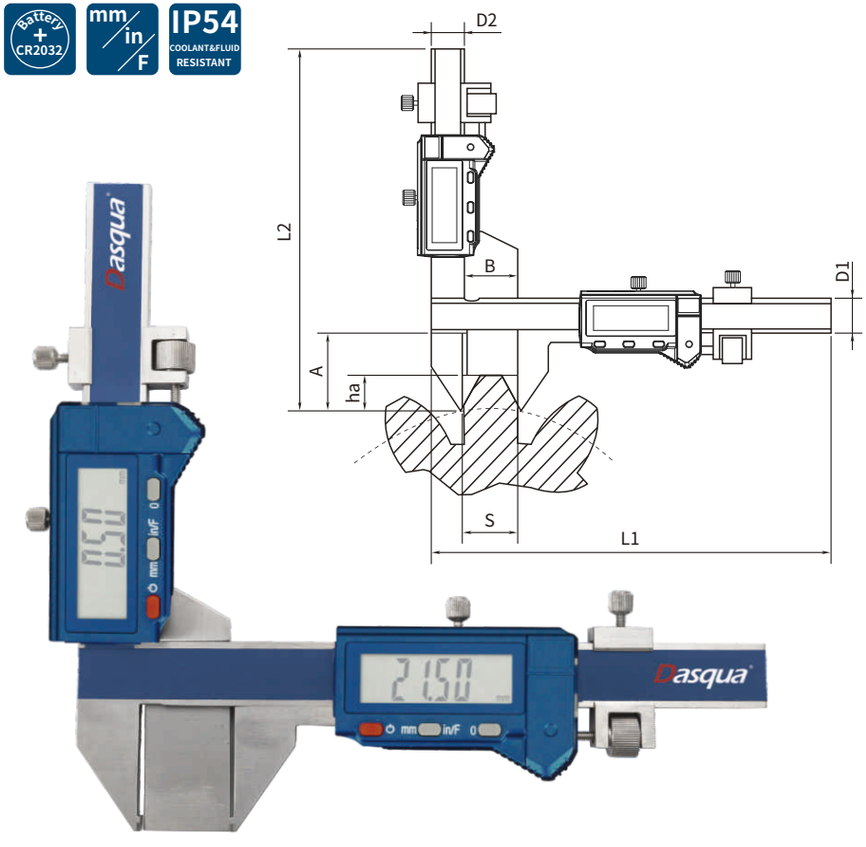


- For small grooves and recesses
- Bigger screen with larger digits for easy reading
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth throughout
- With data output

Unit:mm

Code	Range	Graduation	Accuracy
2240-6105	0-150mm	0.01mm	±0.03

DIGITAL TOOTH-THICKNESS CALIPER



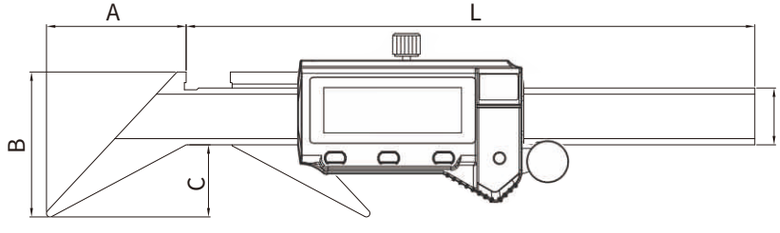
- Used for measuring gear thickness
- Made of high quality stainless steel
- LCD display with clear reading
- With fixing screw and fine adjustment on both sides
- Zero setting at any position

Unit:mm

Code	Range	Resolution	L1	L2	A	B	D1	D2	Accuracy
2075-1105	M1-25	0.01/0.0005"/1/128"	170	165	30.5	21	16	16	±0.04
2075-1110	M5-50	0.01/0.0005"/1/128"	220	190	55	50.5	16	16	±0.04

DIGITAL ARC-RADIUS CALIPER

Battery + CR2032 | mm / in / F | IP54 COOLANT&FLUID RESISTANT



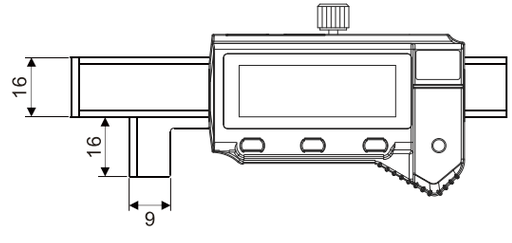
- Used to measure non-full-round arc
- Made of solid stainless steel
- IP54 protection against liquid
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth movement throughout

Unit:mm

Code	Range	Resolution	A	B	C	L	Accuracy
2240-4005	3-150	0.01/0.0005"/1/128"	39.3	40.8	20.3	160	±0.1
2240-4010	3-300	0.01/0.0005"/1/128"	76.8	60.8	40.3	242	±0.2

DIGITAL STEP & GAP GAUGE

Battery + CR2032 | mm / in / F | IP54 COOLANT&FLUID RESISTANT



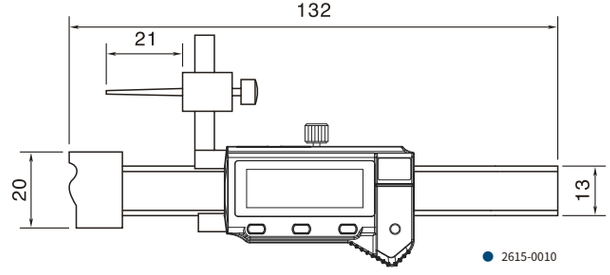
- Used for checking the mutual position of two adjacent surfaces of vehicle
- Can measure the gap between two adjacent surfaces
- Portable and easy to operate

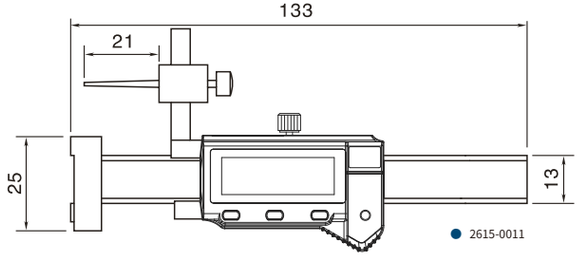
Unit:mm

Code	Range	Resolution	Accuracy
2615-0005	0-12.7	0.01/0.0005"/1/128"	±0.03

DIGITAL STEP & GAP GAUGE

Battery + CR2032 | mm / in / F | IP54 COOLANT&FLUID RESISTANT



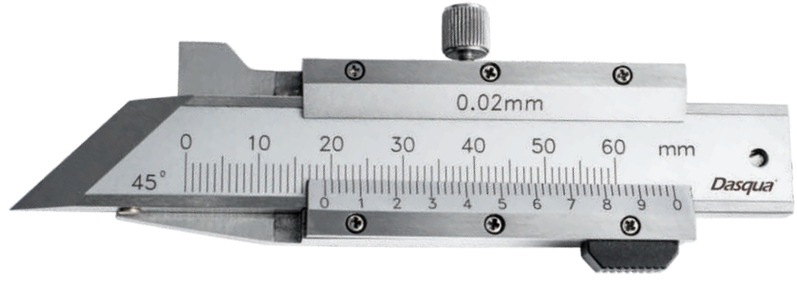


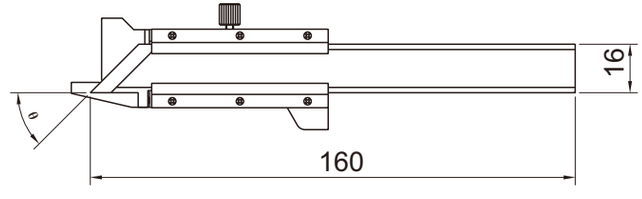
- Digital step gauge, also known as high and low gauges
- Used for checking the mutual position of two adjacent surfaces of vehicles
- Zero setting at any position

Unit:mm

Code	Range	Resolution	Accuracy
2615-0010	-10-30	0.01/0.0005"/1/128"	±0.02
2615-0011	-10-30	0.01/0.0005"/1/128"	±0.02

STAINLESS STEEL CHAMFER GAUGE





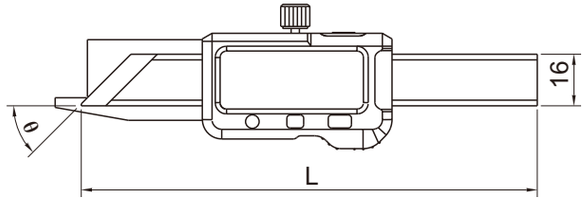
- Measure 15°/20°/30°/45°/60° chamfer dimensions
- Hardened ground jaws with precision lapped measuring faces
- Satin chrome finish,hardened stainless steel throughout for longer life
- Distinct lines and figures etched against satin chrome finish

Unit:mm

Code	Range	Graduation	θ	Accuracy
2240-1005	0-10mm	0.02mm	15°	±0.03
2240-1010	0-10mm	0.02mm	20°	±0.03
2240-1015	0-10mm	0.02mm	30°	±0.03
2240-1020	0-10mm	0.02mm	45°	±0.03
2240-1025	0-10mm	0.02mm	60°	±0.03

STAINLESS STEEL DIGITAL CHAMFER GAUGE

Battery + CR2032 | mm/in | Data output

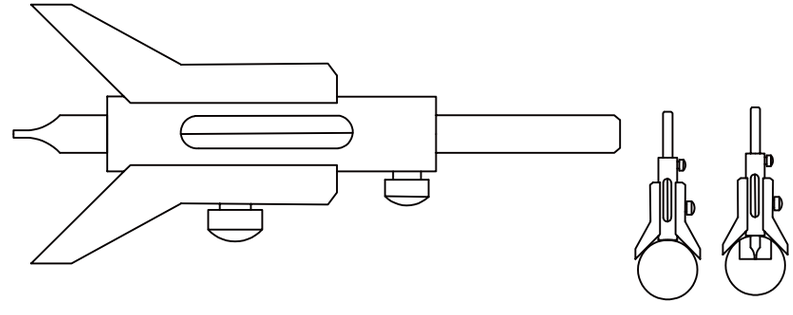


- Measure 15°/20°/30°/45°/60° chamfer dimensions
- Hardened ground jaws with precision lapped measuring faces
- Satin chrome finish,hardened stainless steel throughout for longer life

Unit:mm

Code	Range	Graduation	L	θ	Accuracy
2240-2005	0-6mm/0.22"	0.01mm/0.0005"	179	15°	±0.03
2240-2010	0-6mm/0.22"	0.01mm/0.0005"	154	20°	±0.03
2240-2015	0-6mm/0.22"	0.01mm/0.0005"	143	30°	±0.03
2240-2020	0-6mm/0.22"	0.01mm/0.0005"	141	45°	±0.03
2240-2025	0-6mm/0.22"	0.01mm/0.0005"	140	60°	±0.03

SPLINE GAUGE

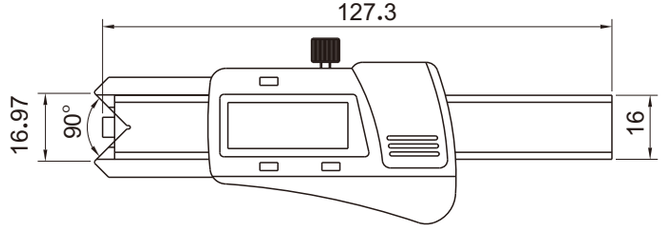


- To measure the depth of key way
- Made of hardened stainless steel

Unit:mm

Code	Range	READING
2240-2030	5-80mm	0.05mm
2240-2035	6-120mm	0.05mm
2240-2040	7-160mm	0.05mm
2240-2045	8-200mm	0.05mm

STAINLESS STEEL DIGITAL CHAMFER AND RADIUS GAUGE



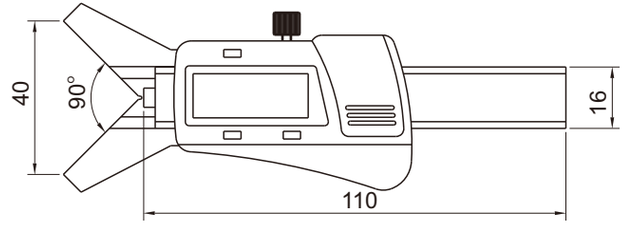
- Hardened ground jaws with precision lapped measuring faces
- Satin chrome finish,hardened stainless steel throughout for longer life

Unit:mm

Code	Range	Graduation	Accuracy
2240-5005	0-20	0.01mm	±0.03

STAINLESS STEEL DIGITAL CHAMFER AND RADIUS GAUGE

Battery + CR2032

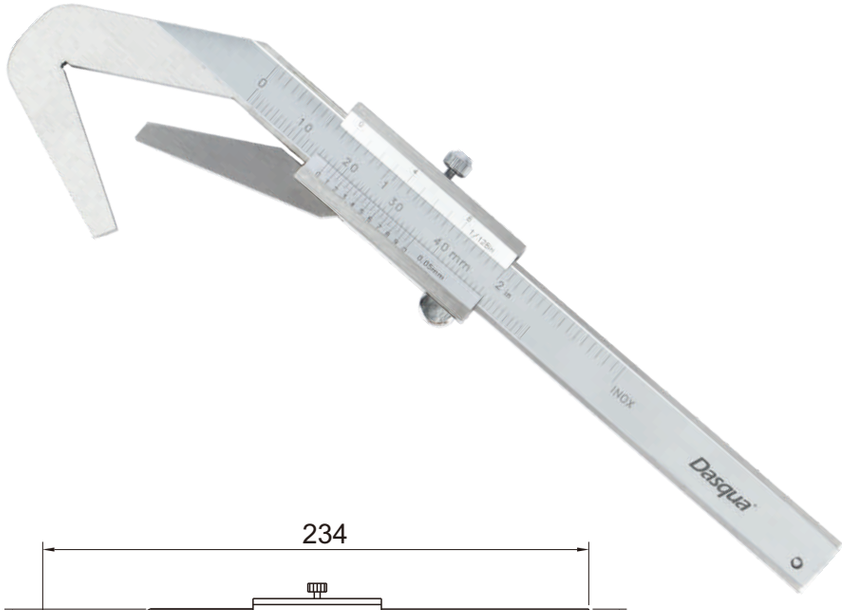


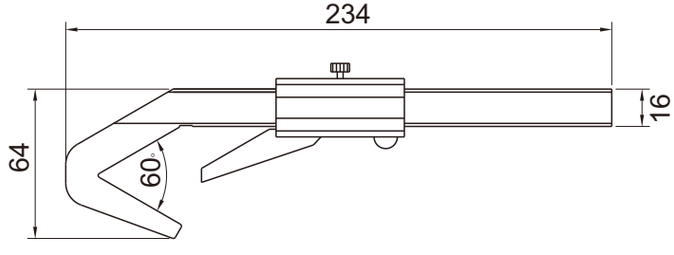
- The 45° chamfer and full fillet dimensions of the outer edges of two perpendicular planes can be measured

Unit:mm

Code	Range	Graduation	Accuracy
2240-5010	0-20	0.01mm	±0.03

THREE FLUTE
60 V-MEASURING CALIPER





- Measure diameter of cylinder (such as taps, reamers, end mills) with odd number of flutes
- Made of hardened stainless steel

Unit:mm

Code	Range	Graduation	Accuracy	Type
2100-0305	4-40	0.05mm/1/1000"	±0.05	closed

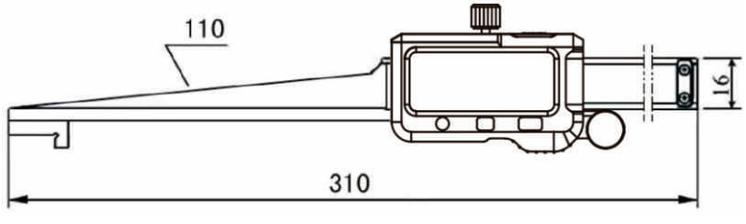
THREE FLUTE
V-ANVIL DIGITAL CALIPER

- V-Anvil Digital Caliper
- For measurement of the diameter of cutting heads(such as taps, reamers, end mills)with an odd number of 3 flutes or 5 flutes

Unit:mm

Code	Range	Graduation	Accuracy	Type
2013-0005	4-40	0.05mm/1/1000"	±0.05	closed

DIGITAL TAPER SLOT GAGE



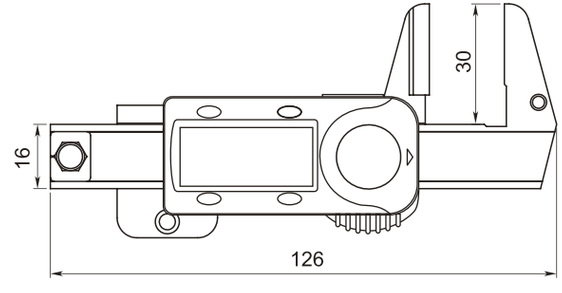
- Made of stainless steel
- Automatic power off, move the digital unit to turn on power
- To measure the slot width

Unit:mm

Code	Range	Resolution	Accuracy
1051-3020	0.2-10mm/0.01-0.39"	0.01 mm/ 0.0005"	±0.03mm

SNAP ACTION CALIPER

Battery + CR2032 | mm/in/F | Data output

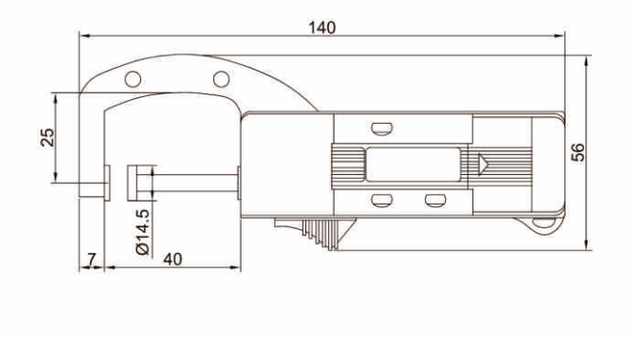


- With spring-loaded mechanism to allow quick and efficient measurements
- With large LCD display for clear and error-free readings
- Wide jaw for easy position
- Hardened stainless steel construction
- Hanging loop included for attachment to belt or chain

Unit:mm

Code	Range	Resolution	Accuracy
2140-8101	0-25/0-1"	0.0005"/0.01/1/64	0.03/0.0015"

DIGITAL SNAP GAUGE



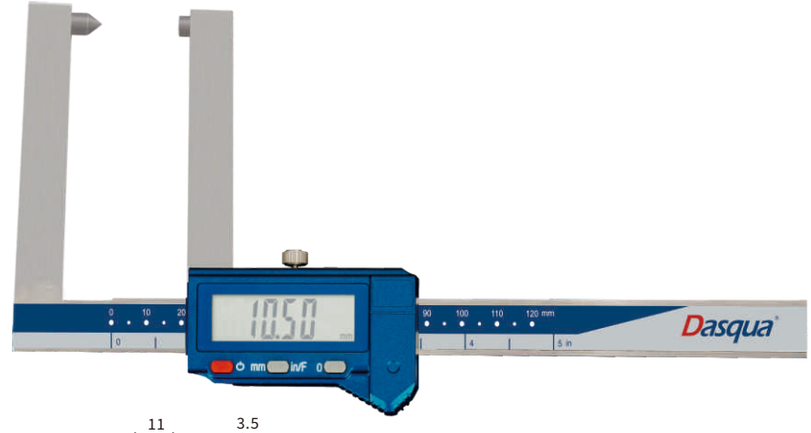
- To measure board thickness
- Quicker, more Accurate, and Easier to use
- Flat disc contact pads for even, accurate measurements of flat to flat surfaces
- Automatic power on/off

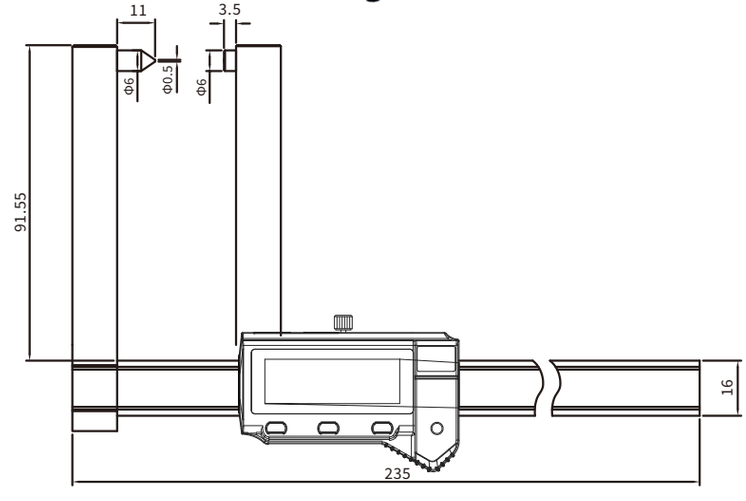
Unit:mm

Code	Range	Graduation	Accuracy
4147-3005	0-25.4mm/0-1"	0.01mm/0.0005"	±0.03mm

DIGITAL DISK-BRAKE CALIPER

Battery + CR2032 | mm/in/F | IP54 COOLANT&FLUID RESISTANT





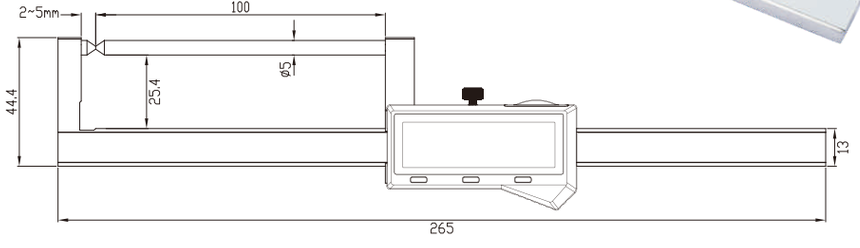
- Fast and easy measurement of the brake disc thickness
- Made of high quality stainless steel
- LCD display with clear reading
- Zero setting at any position, mm/inch conversion at any position

Unit:mm

Code	Range	Resolution	L(mm)	Accuracy
2240-0006	0-150/0-6"	0.01/0.0005"	235	0.05mm/0.002"

BRAKE ROTOR GAUGE WHEEL ON CALIPER

Battery + CR2032 | mm / in / F



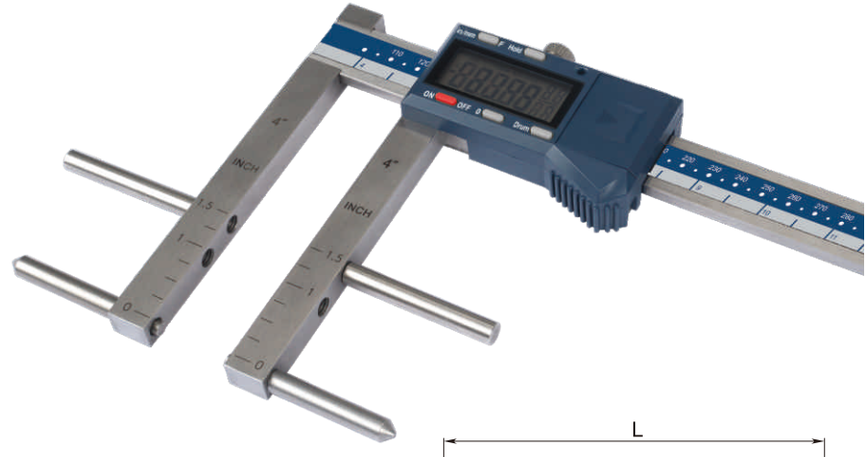
- Used to measure brake rotors without removing the wheel
- Made of solid stainless steel
- Hold function for easy recording of measurement
- Hardened, ground and lapped measuring surfaces for longer service life
- Measuring surfaces ground for ultimate accuracy and smooth movement throughout

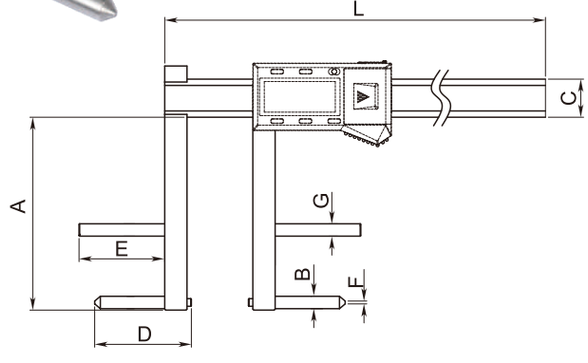
Unit:mm

Code	Range	Resolution
1804-1030	0-80/0-3.2"	0.01/0.0005"/1/64"

EASY OUT/INSIDE DIGITAL CALIPER

IP54 COOLANT&FLUID RESISTANT | Data output | Battery + CR2032 | mm / in / F



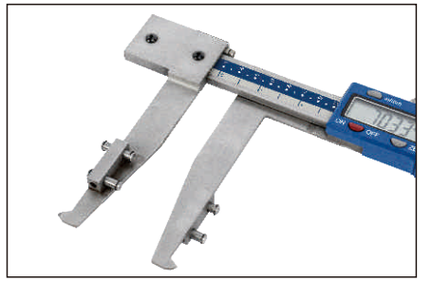


- Used to measure brake drum
- Made of solid stainless steel
- Strictly made in accordance with DIN862
- With Hold and Metric-Inch-Fraction Conversion function
- Hardened, ground and lapped measuring surfaces for longer service life

Unit:mm

Code	Range	Resolution	A	B	C	D	E	F	G	L	Accuracy
2220-8103	100-500/4-20"	0.01/0.0005"/1/64"	101.35	φ6.5	20	50.8	45	φ1.5	φ6.5	520	0.06/0.0025"

BREAK DRUM CALIPER

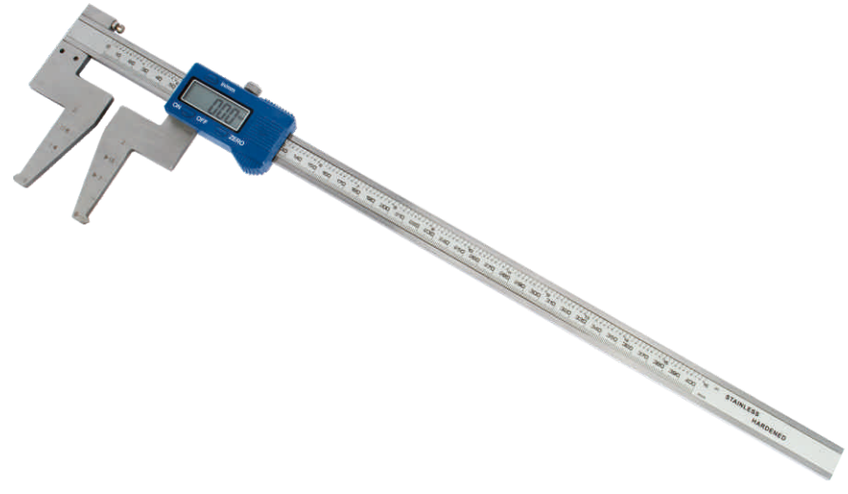


- For Brake Drum, with Locating Device
- Specification: 0-530mm*0.01/0-20.8in*0.0005
- MPE=80 m
- Zero setting at any position
- Metric/Inch system interchange
- Stainless Hardened

Unit:mm

Code	Range	Accuracy	Resolution
1804-1030	0-500mm/0-20.8"	0.08mm	0.01/0.0005"/1/64"

BREAK DRUM CALIPER

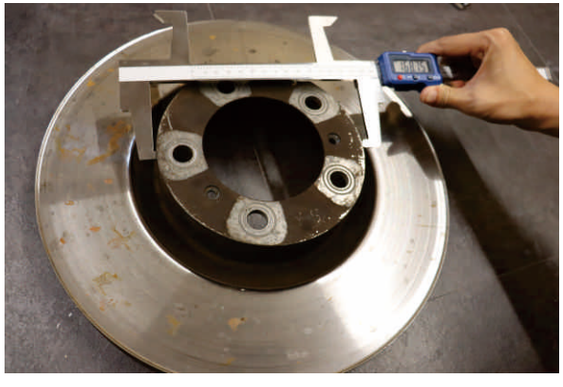


- For Brake Drum, with Locating Device
- Specification: 0-530mm*0.01/0-20.8in*0.0005
- MPE=80 m
- Zero setting at any position
- Metric/Inch system interchange
- Stainless Hardened

Unit:mm

Code	Range	Accuracy	Resolution
2240-1215	0-400mm/0-16"	0.08mm	0.01/0.0005"/1/64"

BREAK DRUM CALIPER



- For Brake Drum, with Locating Device
- Specification: 0-300mm*0.01/0-12"*0.0005"
- MPE=50 μm
- Zero setting at any position
- Metric/Inch system interchange
- Stainless Hardened

Unit:mm

Code	Range	Accuracy	Resolution
2240-1220	0-300mm/0-12"	0.05mm	0.01/0.0005"/1/64"

CALIPER CALIBRATION GAUGE BLOCK SET

MADE OF STEEL

DIN 861

- Gauge block calibration set for calipers
- Made of steel
- Extremely wear resistance and corrosion resistance

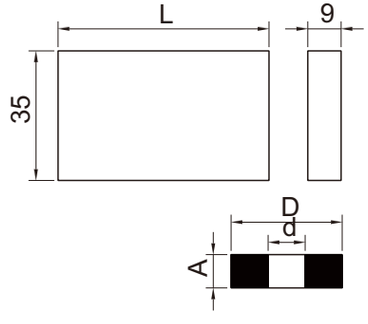
Unit:mm

Code	Grade	Contents
6111-1204	1	1 each of gauge block 41.3,131.4;Setting ring Dia. 20.0,4.0
6112-1204	2	1 each of gauge block 41.3,131.4;Setting ring Dia. 20.0,4.0

CALIPER CALIBRATION GAUGE BLOCK SET

DIN 861

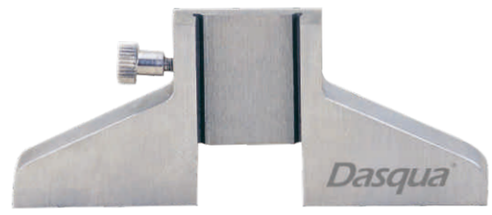
- Made of hardened steel
- Gauge block calibration set for calipers
- Extremely wear resistance and corrosion resistance
- 6111-1315——For inspecting calipers, one should combine block and pin gauge to get more accurate inspection, Especial for length less than 10mm

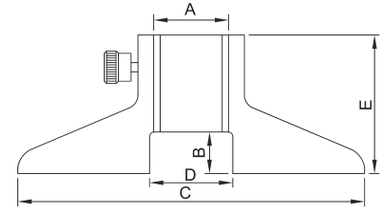


Unit:mm

Code	Grade	Contents
6111-1305	1	Gauge Block 30,41.3,131.4;Ring Gauge 10/25
6111-1310	2	Gauge Block 30,41.3,131.4;Ring Gauge 10/25
6111-1315	2	Gauge Block 10/20(2pcs)、41.2、51.2、81.5、101.2、121.5、121.8、191.8、201.5、291.8

DEPTH BASE ATTACHMENT





- Increasing the stability of caliper measurement
- Made of solid stainless steel
- Measuring surfaces ground for ultimate accuracy

Unit:mm

Code	A	B	C	D	E	Application
3001-1002	16.5	9	75	18	30	Base Length 75mm,for width of the beam 16mm

CALIPER CALIBRATION GAUGE BLOCK SET

MADE OF CERAMIC

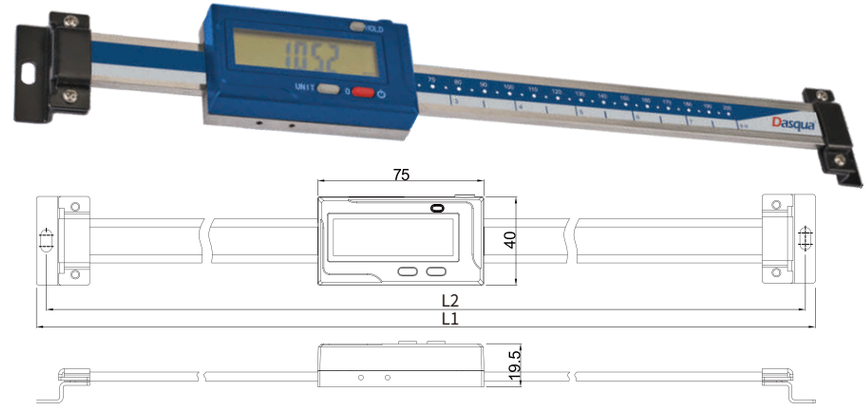
DIN 861

- Gauge block calibration set for calipers
- Extremely wear resistance and corrosion resistance

Unit:mm

Code	Grade	Contents
6201-3505	1	1 each of gauge block 41.3,131.4;

IP67 WATER PROOF DIGITAL SCALE



- Used for improving the old-style machines
- Made of solid stainless steel, widened and thickened
- IP67 protection against liquid
- Super large LCD screen for easy reading
- With Hold and Metric-Inch-Fraction Conversion function,no need to set the reference point at every power-on

Unit:mm

Code	Range	Resolution	L1	L2	Accuracy
5810-3105	0-150/0-6"	0.01/0.0005"	286	277	0.02/0.001"
5810-3110	0-200/0-8"	0.01/0.0005"	326	317	0.03/0.0015"
5810-3115	0-300/0-12"	0.01/0.0005"	426	417	0.03/0.0015"
5810-3120	0-600/0-24"	0.01/0.0005"	746	737	0.05/0.005"
5810-3125	0-1000/0-40"	0.01/0.0005"	1146	1137	0.05/0.0025"

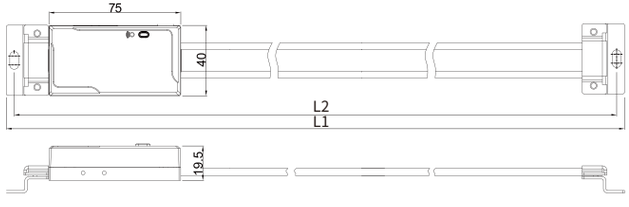
WITH WIRELESS SYSTEM

Unit:mm

Code	Range	Resolution	L1	L2	Accuracy
5810-7105	0-150/0-6"	0.01/0.0005"	286	277	0.02/0.001"
5810-7110	0-200/0-8"	0.01/0.0005"	326	317	0.03/0.0015"
5810-7115	0-300/0-12"	0.01/0.0005"	426	417	0.03/0.0015"
5810-7120	0-600/0-24"	0.01/0.0005"	746	737	0.05/0.005"
5810-7125	0-1000/0-40"	0.01/0.0005"	1146	1137	0.05/0.0025"

IP54 WATER PROOF DIGITAL SCALE

WITH SEPARATE READOUT



- Used for improving the old-style machine
- Made of solid stainless steel, widened and thickened
- IP54 protection against liquid
- Super large separate LCD screen for easy and clear reading
- With Hold, Metric-Inch-Fraction Conversion and Absolute function, no need to set the reference point at every power-on

Unit:mm

Code	Range	Resolution	L1	L2	Accuracy
5810-4405	0-150/0-6"	0.01/0.0005"	286	277	0.02/0.001"
5810-4410	0-200/0-8"	0.01/0.0005"	326	317	0.03/0.0015"
5810-4415	0-300/0-12"	0.01/0.0005"	426	417	0.03/0.0015"
5810-4420	0-600/0-24"	0.01/0.0005"	746	737	0.05/0.002"
5810-4425	0-1000/0-40"	0.01/0.0005"	1146	1137	0.06/0.0025"

IP67 WATER PROOF DIGITAL SCALE

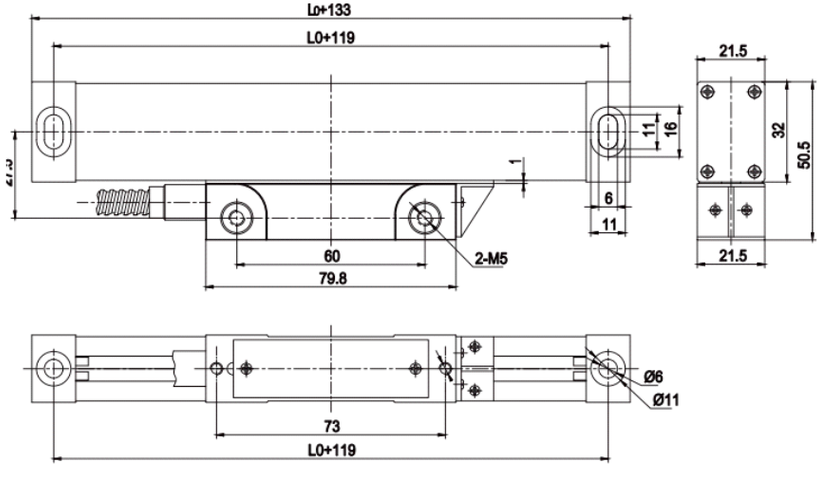
WITH SEPARATE READOUT

- Used for improving the old-style machine
- Made of solid stainless steel, widened and thickened
- IP67 protection against liquid
- Super large separate LCD screen for easy and clear reading
- With Hold, Metric-Inch-Fraction Conversion and Absolute function, no need to set the reference point at every power-on

Unit:mm

Code	Range	Resolution	L1	L2	Accuracy
5810-1105	0-150/0-6"	0.01/0.0005"	286	277	0.02/0.001"
5810-1110	0-200/0-8"	0.01/0.0005"	326	317	0.03/0.0015"
5810-1115	0-300/0-12"	0.01/0.0005"	426	417	0.03/0.0015"
5810-1120	0-600/0-24"	0.01/0.0005"	746	737	0.05/0.002"
5810-1125	0-1000/0-40"	0.01/0.0005"	1146	1137	0.06/0.0025"

LINEAR SCALES



- Output Signal:5VTTL,5V Rs422
- Cross Section:20.5*31 mm
- Accuracy: ±5μ, ±10μm/M
- Working Temperature: -10°C-60°C
- Sealing Protection: Ip55
- Max. Moving Speed: 60M/Min
- Reference Point: Every 50mm
- Full sealing structure, swarf and coolant proof
- Vertical five bearings sliding system，smooth and accurate movement
- Calibrated by Laser interferometer,accuracy guaranteed

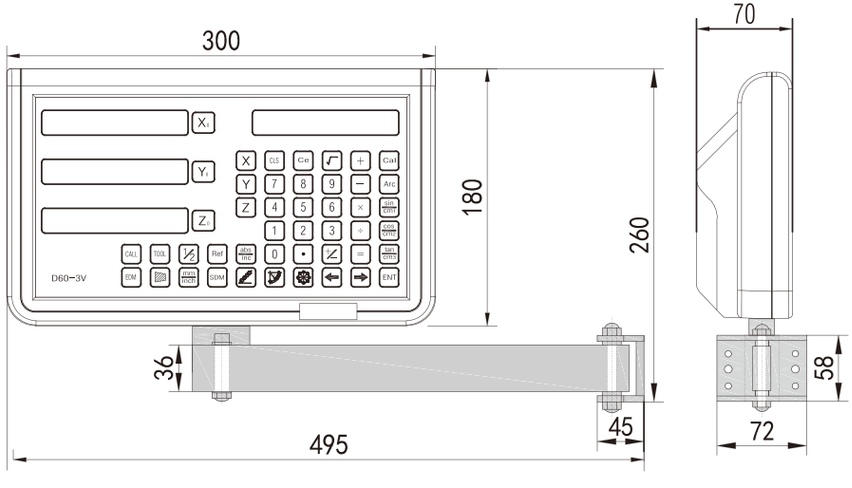
Unit:mm

Standard Delivery	
Main unit	1pc
‘L’ shape suppor	1pc
Anti-dust cover	1pc
Mounting accessories	1set

Unit:mm

Code	Range	Resolution	L0
5810-0150	150	0.005	150
5810-0200	200	0.005	200
5810-0250	250	0.005	250
5810-0300	300	0.005	300
5810-0350	350	0.005	350
5810-0400	400	0.005	400
5810-0450	450	0.005	450
5810-0500	500	0.005	500
5810-0550	550	0.005	550
5810-0600	600	0.005	600
5810-0650	650	0.005	650
5810-0700	700	0.005	700
5810-0750	750	0.005	750
5810-0800	800	0.005	800
5810-0850	850	0.005	850
5810-0900	900	0.005	900
5810-1000	1000	0.005	1000

DIGITAL READOUTS



- Displaying as 8 digits with green LED
- Aluminum casing with industrial quality
- Unique film makes covering on the Windows makes the displaying much more recognizable
- High integration makes the performance be stable
- Switching on& switching off can meet more than 100000 times
- Adopting the advanced digital filtering makes the counting be more accurate and stable

Unit:mm

Code	5810-0015	5810-0005
Application	Two axis	Three axis
Scale input ports	2	3
Resolution	0.1μm, 0.2μm, 0.5μm, 1μm, 2μm, 2.5μm, 5μm, 10μm	
Function	Zeroing, Data Recovery, Value Inputting, Metric and Imperial Switching , Power off memory , Encoder Selection(Rotary or Linear), Linear Compensation, Non-linear Compensation, Calculator , Counting Direction Setting, ABS/INC Coordinate, 200 sets of SDM Coordinates, REF Centering, PLD Function, PCD Function, Simple R function, Smooth R Function, Radius/Diameter switching. Axis summing, Digital Filtering Function, Taper Measuring Function, RS232 Interface, EDM Function, 200 sets of Tool Memory.	
Power supply	AC80V-260V/50HZ-60HZ	
Working Temperature	-10°C~60°C	
Input Signal	5V TTL/RS422	
Input Frequency	<4MHZ	

Unit:mm

Standard Delivery	
Main Unit	1pc
Mounting bracket	1pc
Ground cable	1pc

MICROMETER

BORN IN ITALY, RAISED BY THE WORLD

02-04 MICROMETER (SIZE UP TO 150MM)

05-06 MICROMETER (SIZE UP TO 300MM)

07-09 MICROMETER (SIZE UP TO 3000MM)

09-10 MICROMETER SET

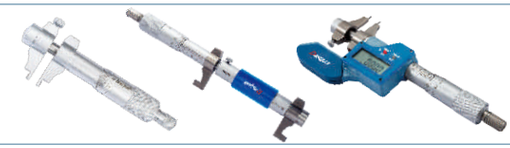
11-17 DIGITAL MICROMETER (SIZE UP TO 150MM)

17-18 DIGITAL MICROMETER (SIZE UP TO 1000MM)

18-19 MICROMETER FOR SPECIAL MEASURING

19-21 DEPTH MICROMETER

21-22 INSIDE MICROMETER



23-25 TUBULAR INSIDE MICROMETER

26-33 3 PONITS INSIDE MICROMETER

34-37 SNAP GAUGE

37-59 MICROMETER FOR SPECIAL MEASURING

60-62 MICROMETER HEAD

63-64 MICROMETER RELATED PRODUCTS

OUTSIDE MICROMETER

WITH STAINLESS STEEL SPINDLE

- Strictly made in accordance with DIN 863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- With spindle lock

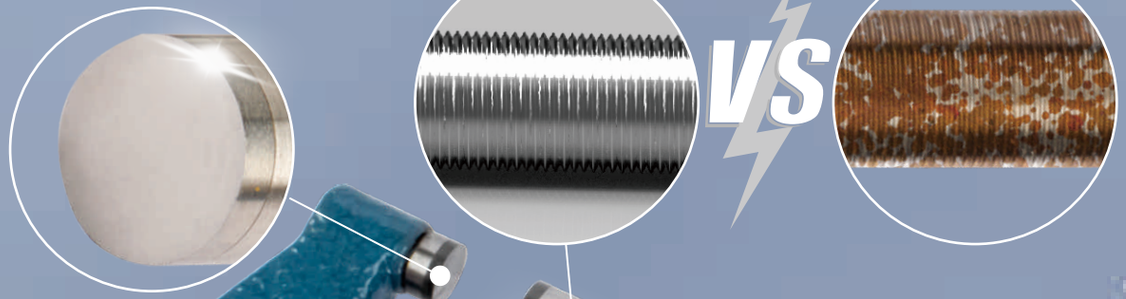
DIN 863

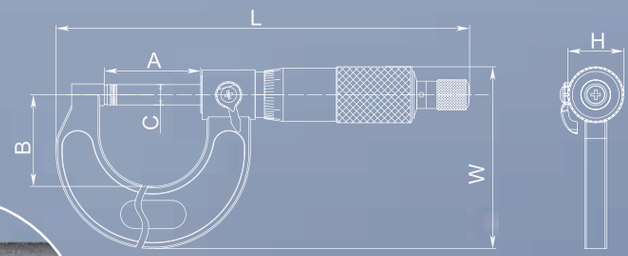
BORN IN ITALY · BEST SELLER · RAISED BY THE WORLD

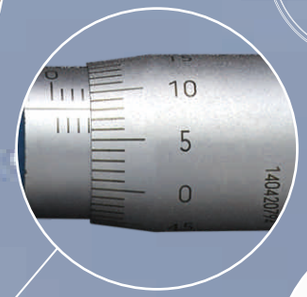
Unit:mm

Code	Range	Graduation	A	B	C	L	W	H	Accuracy
4111-8105-A	0-25	0.01	31	29.5	φ6.5	133.8	58.5	φ18	0.004
4111-8110-A	25-50	0.01	56	38	φ6.5	160	76	φ18	0.004
4111-8115-A	50-75	0.01	81	51	φ6.5	185.5	91	φ18	0.005
4111-8120-A	75-100	0.01	106	63.5	φ6.5	210.5	105	φ18	0.005
4111-8125-A	100-125	0.01	131	76	φ6.5	237.3	125	φ18	0.006
4111-8130-A	125-150	0.01	156	89	φ6.5	263.8	142	φ18	0.006
4112-5105-A	0-1"	0.001"	31	29.5	φ6.5	133.8	58.5	φ18	0.00015"
4112-5110-A	1-2"	0.001"	56	38	φ6.5	160	76	φ18	0.00015"
4112-5115-A	2-3"	0.001"	81	51	φ6.5	185.5	91	φ18	0.0002"
4112-5120-A	3-4"	0.001"	106	63.5	φ6.5	210.5	105	φ18	0.0002"
4112-5125-A	4-5"	0.001"	131	76	φ6.5	237.3	125	φ18	0.00025"
4112-5130-A	5-6"	0.001"	156	89	φ6.5	263.8	142	φ18	0.00025"

- New special carbide used on measuring anvil instead of traditional easy-wear o ff carbide tip
- Precision Ground STAINLESS STEEL threading rod replacing alloy/carbon steel threading rod mostly used in the industry







- Clear graduations laser-etched on satin chrome finish for easy reading

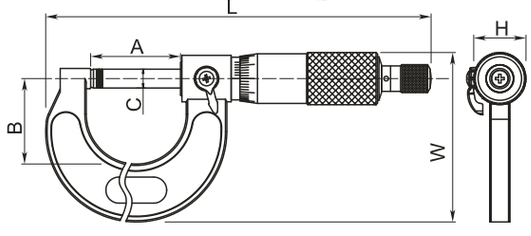
- With ratchet stop for constant force(5- 8N 20% better than the normal standard of 5-10N)

B

OUTSIDE MICROMETER

WITH 0.001MM GRADUATION

DIN 863



- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN 863
- With ratchet stop for constant force
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With spindle lock
- Carbide measuring surfaces ground for longer service life

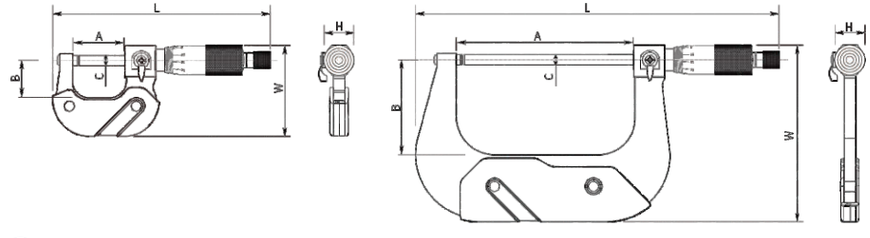
Unit:mm

Code	Range*Graduation	A	B	C	L	W	H	Accuracy
4111-9105-A	0-25*0.001	31	29.5	φ6.5	133.8	58.5	φ18	0.004
4111-9110-A	25-50*0.001	56	38	φ6.5	160	76	φ18	0.004
4111-9115-A	50-75*0.001	81	51	φ6.5	185.5	91	φ18	0.005
4111-9120-A	75-100*0.001	106	63.5	φ6.5	210.5	105	φ18	0.005
4111-9125-A	100-125*0.001	131	76	φ6.5	237.3	125	φ18	0.006
4111-9130-A	125-150*0.001	156	89	φ6.5	263.8	142	φ18	0.006
4112-0105-A	0-1"*0.0001"	31	29.5	φ6.5	133.8	58.5	φ18	0.00015"
4112-0110-A	1-2"*0.0001"	56	38	φ6.5	160	76	φ18	0.00015"
4112-0115-A	2-3"*0.0001"	81	51	φ6.5	185.5	91	φ18	0.0002"
4112-0120-A	3-4"*0.0001"	106	63.5	φ6.5	210.5	105	φ18	0.0002"
4112-0125-A	4-5"*0.0001"	131	76	φ6.5	237.3	125	φ18	0.00025"
4112-0130-A	5-6"*0.0001"	156	89	φ6.5	263.8	142	φ18	0.00025"

OUTSIDE MICROMETER

CHROME PLATED FRAME

DIN 863 ISO 3611



- Cover-type heat isolation shield avoids deformation, provides stability
- Distinct lines and figures laser etched against satin chrome finish
- Metallurgical ratchet stop provides stable measurement force which can avoid different measurement result caused by various operators
- Strictly made according to ISO 3611(DIN863)
- Overall chrome plated, lower stress, smaller deformation
- The anvil adopts alloy with high hardness, reaches to HRC63

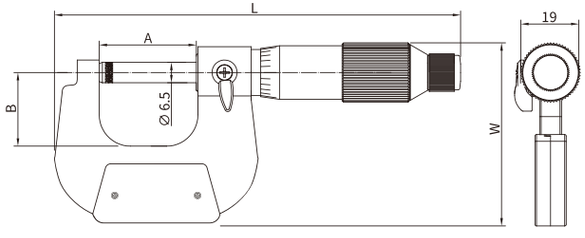
Unit:mm

Code	Range	Graduation	A	B	C	L	W	H	Accuracy
4111-5205	0-25	0.01	31	22	φ6.5	126	52	ψ18	0.004
4111-5210	25-50	0.01	56	27	φ6.5	151	61	ψ18	0.004
4111-5215	50-75	0.01	81	44.5	φ6.5	178	86	ψ18	0.005
4111-5220	75-100	0.01	106	57	φ6.5	205	104	ψ18	0.005

OUTSIDE MICROMETER

WITH THERMAL PROTECTION

DIN 863



- With thermal protection
- Strictly made in accordance with DIN 863
- With ratchet stop for constant force
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With spindle lock

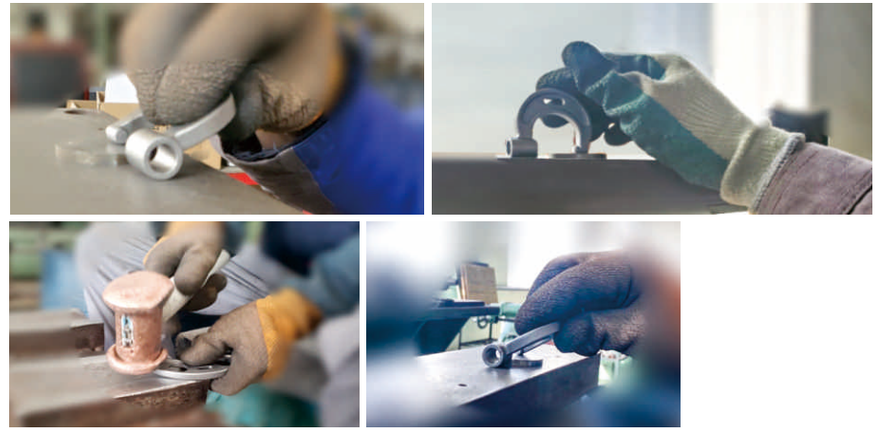
Unit:mm

Code	Range* Graduation	A	B	L	W	Accuracy
4111-6405	0-25*0.01	31	23.5	127.8	56.2	0.004
4111-6410	25-50*0.01	56.5	31	160.1	72.9	0.004
4111-6415	50-75*0.01	81.5	44	186.6	88.2	0.005
4111-6420	75-100*0.01	107.1	56	214.6	104.2	0.005
4111-6425	100-125*0.01	132.5	66	243.3	122.2	0.006
4111-6430	125-150*0.01	157.5	80	271.1	139.7	0.006
4111-8405	0-1*0.0001"	31	23.5	127.8	56.2	0.00015"
4111-8410	1-2*0.0001"	56.5	31	160.1	72.9	0.00015"
4111-8415	2-3*0.0001"	81.5	44	186.6	88.2	0.0002"
4111-8420	3-4*0.0001"	107.1	56	214.6	104.2	0.0002"
4111-8425	4-5*0.0001"	132.5	66	243.3	122.2	0.00025"
4111-8430	5-6*0.0001"	157.5	80	271.1	139.7	0.00025"

WHY

DASQUA MICROMETER

MORE VALUABLE?



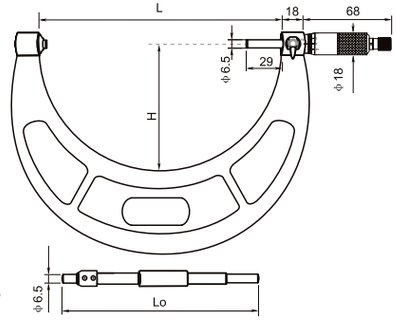
CONTROL THE ACCURACY STARTING FROM THE SEMI PARTS

6 MONTHS TRACEABLE AGING TREATMENT ON EACH FRAME

B

OUTSIDE MICROMETER TYPE A

DIN 863



- Bigger size for larger range
- With spindle lock
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN 863
- With ratchet stop for constant force
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- Carbide measuring surfaces ground for longer service life

Unit:mm

Code	Range	Graduation	L	H	Lo	Accuracy
4112-8135	150-175	0.01	185	99	150	0.007
4112-8140	175-200	0.01	210	111.5	175	0.007
4112-8145	200-225	0.01	238	127	200	0.008
4112-8150	225-250	0.01	264	140	225	0.008
4112-8155	250-275	0.01	289	152.5	250	0.009
4112-8160	275-300	0.01	315	165.5	275	0.009
4112-5135	6-7"	0.001"	185	99	150	0.00027"
4112-5140	7-8"	0.001"	210	111.5	175	0.00027"
4112-5145	8-9"	0.001"	238	127	200	0.0003"
4112-5150	9-10"	0.001"	264	140	225	0.0003"
4112-5155	10-11"	0.001"	289	152.5	250	0.00035"
4112-5160	11-12"	0.001"	315	165.5	275	0.00035"

OUTSIDE MICROMETER TYPE B(FRAME WITH HOLES)

DIN 863

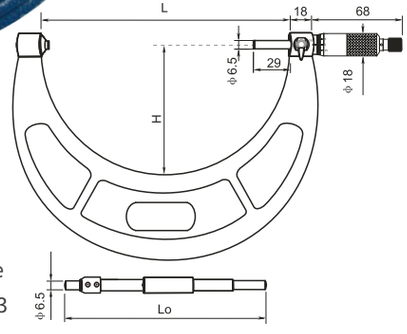
- Strictly made in accordance with DIN863
- With ratchet stop for constant force
- Spindle thread hardened, ground, and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- Bigger size for large range
- With spindle lock

Code	Range	Resolution	A	B	L	W	Accuracy
4112-7435	150-175mm	0.01mm	180mm	115mm	290mm	160mm	0.007mm
4112-7440	175-200mm	0.01mm	206mm	125mm	313mm	173mm	0.007mm
4112-7445	200-225mm	0.01mm	232mm	140mm	340mm	190mm	0.008mm
4112-7450	225-250mm	0.01mm	258mm	145mm	366mm	198mm	0.008mm
4112-7455	250-275mm	0.01mm	281mm	160mm	392mm	220mm	0.009mm
4112-7460	275-300mm	0.01mm	308mm	167mm	416mm	230mm	0.009mm
4112-4435	6-7"	0.001"	180mm	115mm	290mm	160mm	0.00025"
4112-4440	7-8"	0.001"	206mm	125mm	313mm	173mm	0.00025"
4112-4445	8-9"	0.001"	232mm	140mm	340mm	190mm	0.0003"
4112-4450	9-10"	0.001"	258mm	145mm	366mm	198mm	0.0003"
4112-4455	10-11"	0.001"	281mm	160mm	392mm	220mm	0.00035"
4112-4460	11-12"	0.001"	308mm	167mm	416mm	230mm	0.00035"

OUTSIDE MICROMETER TYPE A

WITH 0.001MM GRADUATION

DIN 863



- With spindle lock
- Bigger size for larger range
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN 863
- With ratchet stop for constant force
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- Carbide measuring surfaces ground for longer service life

Unit:mm

Code	Range	Graduation	L	H	Lo	Accuracy
4111-9135	150-175	0.001	185	99	150	0.007
4111-9140	175-200	0.001	210	111.5	175	0.007
4111-9145	200-225	0.001	238	127	200	0.008
4111-9150	225-250	0.001	264	140	225	0.008
4111-9155	250-275	0.001	289	152.5	250	0.009
4111-9160	275-300	0.001	315	165.5	275	0.009
4112-1135	6-7"	0.0001"	185	99	150	0.00027"
4112-1140	7-8"	0.0001"	210	111.5	175	0.00027"
4112-1145	8-9"	0.0001"	238	127	200	0.0003"
4112-1150	9-10"	0.0001"	264	140	225	0.0003"
4112-1155	10-11"	0.0001"	289	152.5	250	0.00035"
4112-1160	11-12"	0.0001"	315	165.5	275	0.00035"

OUTSIDE MICROMETER TYPE B(FRAME WITH HOLES)

WITH 0.001MM RESOLUTION

DIN 863

- With spindle lock
- Bigger size for large range
- Strictly made in accordance with DIN863
- With ratchet stop for constant force
- Spindle thread hardened, ground, and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading

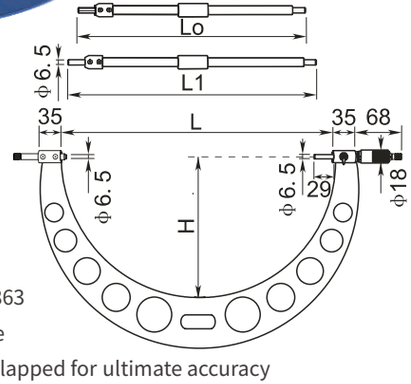
Code	Range	Resolution	A	B	L	W	Accuracy
4111-8435	150-175mm	0.001mm	180	115	290	160	0.007mm
4111-8440	175-200mm	0.001mm	206	125	313	173	0.007mm
4111-8445	200-225mm	0.001mm	232	140	340	190	0.008mm
4111-8450	225-250mm	0.001mm	258	145	366	198	0.008mm
4111-8455	250-275mm	0.001mm	281	160	392	220	0.009mm
4111-8460	275-300mm	0.001mm	308	167	416	230	0.009mm
4042-0435	6-7"	0.0001"	180	115	290	160	0.00025"
4042-0440	7-8"	0.0001"	206	125	313	173	0.00025"
4042-0445	8-9"	0.0001"	232	140	340	190	0.0003"
4042-0450	9-10"	0.0001"	258	145	366	198	0.0003"
4042-0455	10-11"	0.0001"	281	160	392	220	0.00035"
4042-0460	11-12"	0.0001"	308	167	416	230	0.00035"

B

OUTSIDE MICROMETER

WITH ADJUSTABLE ANVILS

DIN 863



- With spindle lock
- Strictly made in accordance with DIN 863
- With ratchet stop for constant pressure
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- Wide measuring range with adjustable extension anvil collars

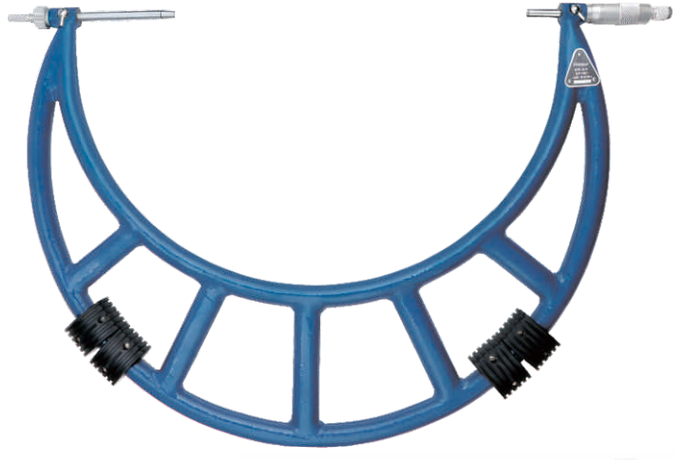
Unit:mm

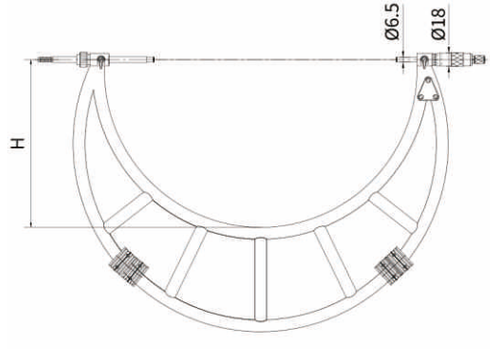
Code	Range	Graduation	L	H	Lo/L1	Accuracy
4800-0005	300-400	0.01	410	215	325/375	0.011
4800-0010	400-500	0.01	510	265	425/475	0.013
4800-0015	500-600	0.01	610	315	525/575	0.015
4800-0020	600-700	0.01	710	365	625/675	0.016
4800-0025	700-800	0.01	810	415	725/775	0.018
4800-0030	800-900	0.01	910	465	825/875	0.02
4800-0035	900-1000	0.01	1010	515	925/975	0.022
4810-0005	12"-16"	0.001"	410	215	325/375	0.0004"
4810-0010	16-20"	0.001"	510	265	425/475	0.0005"
4810-0015	20"-24"	0.001"	610	315	525/575	0.0006"
4810-0020	24"-28"	0.001"	710	365	625/675	0.0006"
4810-0025	28"-32"	0.001"	810	415	725/775	0.0007"
4810-0030	32"-36"	0.001"	910	465	825/875	0.0008"
4810-0035	36"-40"	0.001"	1010	515	925/975	0.00085"

OUTSIDE MICROMETER

WITH ADJUSTABLE ANVILS

DIN 863





- With spindle lock
- Strictly made in accordance with DIN 863
- With ratchet stop for constant pressure
- Wide measuring range with adjustable extension anvil collars
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading

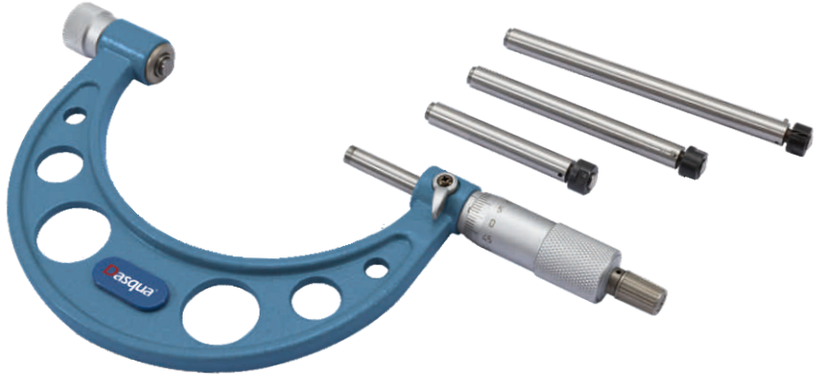
Unit:mm

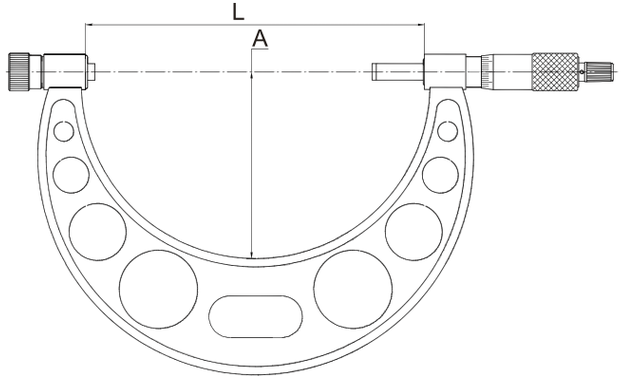
Code	Range	Graduation	H	Accuracy
4800-0040	1000-1200mm	0.01mm	638.5mm	0.024mm
4800-0041	1200-1400mm	0.01mm	748.5mm	0.028mm
4800-0042	1400-1600mm	0.01mm	858.5mm	0.031mm
4800-0045	1600-1800mm	0.01mm	961mm	0.034mm

OUTSIDE MICROMETER

WITH INTERCHANGEABLE ANVILS

DIN 863





- Strictly made in accordance with DIN863
- Wide measuring range with interchangeable anvils
- Distinct black lines and figures laser engraved against satin chrome finish provide easy and error-free reading
- Carbide tipped measuring face

Unit:mm

Code	Range	Graduation	A	L	Accuracy
4801-0001	0-50	0.01	35	58	0.004
4801-0002	0-100	0.01	57	108	0.005
4801-0003	0-150	0.01	82	158	0.006
4801-0004	100-200	0.01	114	208	0.007
4801-0005	150-300	0.01	165	308	0.009
4801-0006	200-300	0.01	165	308	0.009
4801-0007	300-400	0.01	224	409	0.011
4801-0008	400-500	0.01	275	509	0.013
4801-0009	500-600	0.01	321	609	0.015
4801-0010	600-700	0.01	371	709	0.016
4801-0011	700-800	0.01	426	809	0.018
4801-0012	800-900	0.01	476	909	0.020
4801-0013	900-1000	0.01	576	1009	0.020

Unit:inch

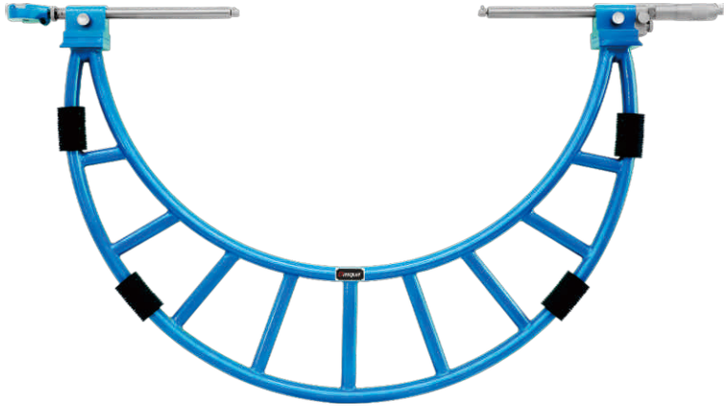
Code	Range	Graduation	A	L	Accuracy
4801-1001	0-2"	0.0001"	35	58	0.00015"
4801-1002	0-4"	0.0001"	57	108	0.0002"
4801-1003	0-6"	0.0001"	82	158	0.00025"
4801-1004	4-8"	0.0001"	114	208	0.00025"
4801-1005	6-12"	0.0001"	165	308	0.00035"
4801-1006	8-12"	0.0001"	165	308	0.00035"
4801-1007	12-16"	0.0001"	224	409	0.0004"
4801-1008	16-20"	0.0001"	275	509	0.0005"
4801-1009	20-24"	0.0001"	321	609	0.0006"
4801-1010	24-28"	0.0001"	371	709	0.0006"
4801-1011	28-32"	0.0001"	426	809	0.0007"
4801-1012	32-36"	0.0001"	476	909	0.0008"
4801-1013	36-40"	0.0001"	576	1009	0.0008"

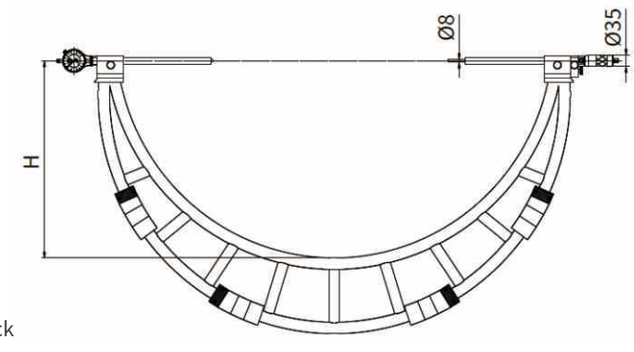
B

OUTSIDE MICROMETER

WITH ADJUSTABLE ANVILS

DIN 863





- With spindle lock
- Strictly made in accordance with DIN 863
- With ratchet stop for constant pressure
- Wide measuring range with adjustable extension anvil collars
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading

Unit:mm

Code	Range	Graduation	H	Accuracy
4005-0035	500-1000mm	0.01mm	525mm	0.022mm
4005-0040	1000-1500mm	0.01mm	764mm	0.029mm
4005-0045	1500-2000mm	0.01mm	1014mm	0.037mm
4005-0050	2000-2500mm	0.01mm	1264mm	0.044mm
4005-0055	2500-3000mm	0.01mm	1513mm	0.052mm

OUTSIDE MICROMETER SET

DIN 863

- With spindle lock
- Strictly made in accordance with DIN 863
- With ratchet stop for constant pressure
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- 3pcs, 4pcs, 6pcs,12pcs optional for customers' desire

Unit:mm

Code	Range	Graduation	Set(Pcs)	Package
4111-8206	0-75	0.01	3	Plastic Box
4111-8210	0-100	0.01	4	Plastic Box
4111-8215	0-150	0.01	6	Aluminium Case
4111-8203	0-300	0.01	12	Aluminium Case
4111-8213	150-300	0.01	6	Aluminium Case
4112-0206	0-3"	0.001"	3	Plastic Box
4112-0210	0-4"	0.001"	4	Plastic Box
4112-0216	0-6"	0.001"	6	Aluminium Case
4112-0208	0-12"	0.001"	12	Aluminium Case
4112-0218	6"-12"	0.001"	6	Aluminium Case
4111-8006	0-75	0.001	3	Plastic Box
4111-8010	0-100	0.001	4	Plastic Box
4111-8220	0-150	0.001	6	Aluminium Case
4111-8408	0-300	0.001	12	Aluminium Case
4111-8008	150-300	0.001	6	Aluminium Case
4112-0006	0-3"	0.0001"	3	Plastic Box
4112-0010	0-4"	0.0001"	4	Plastic Box
4112-0215	0-6"	0.0001"	6	Aluminium Case
4112-0203	0-12"	0.0001"	12	Aluminium Case
4112-0213	6"-12"	0.0001"	6	Aluminium Case

OUTSIDE MICROMETER SET

WITH STAINLESS SPINDLE

DIN 863

- 3pcs, 4pcs, 6pcs,12pcs optional for customers' desire
- Strictly made in accordance with DIN 863
- With ratchet stop for constant pressure
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With spindle lock

Unit:mm

Code	Range	Graduation	Set(Pcs)	Package
4111-8206-A	0-75	0.01	3	Plastic Box
4111-8210-A	0-100	0.01	4	Plastic Box
4111-8215-A	0-150	0.01	6	Aluminium Case
4111-8220-A	0-150	0.001	6	Aluminium Case

OUTSIDE MICROMETER SET

DIN 863

- 3pcs, 4pcs, 6pcs optional for customers' desire
- Strictly made in accordance with DIN 863
- With ratchet stop for constant pressure
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With spindle lock
- Made with thermal protection frame

Unit:mm

Code	Range	Graduation	Set(Pcs)	Package
4111-8205	0-75	0.01	3	Plastic Box
4111-8240	0-100	0.01	4	Plastic Box
4111-8245	0-150	0.01	6	Aluminium Case
4112-0205	0-3"	0.0001"	3	Plastic Box
4112-0240	0-4"	0.0001"	4	Plastic Box
4112-0245	0-6"	0.0001"	6	Aluminium Case

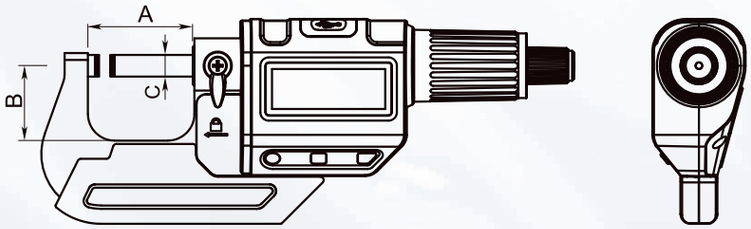
DIGITAL OUTSIDE MICROMETER

WITH STAINLESS STEEL SPINDLE

- Spindle ground twice which makes pitch error 1μ less than before and reaches world-class standard

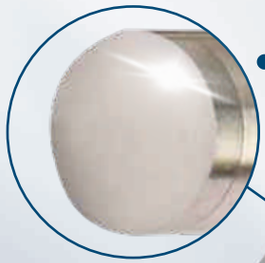
Battery + CR2032 | DIN 863 | mm/in

BORN IN ITALY — BEST SELLER — RAISED BY THE WORLD

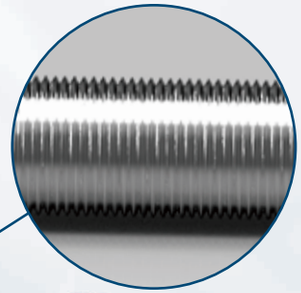


Unit:mm

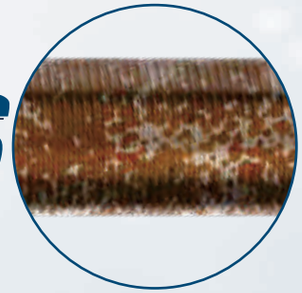
Code	Range	Resolution	A	B	C	Accuray
4230-2005-A	0-25/0-1"	0.001/0.00005"	31.5	22.5	φ6.5	0.003
4230-2010-A	25-50/1"-2"	0.001/0.00005"	56.5	31	φ6.5	0.003
4230-2015-A	50-75/2"-3"	0.001/0.00005"	81.5	44	φ6.5	0.004
4230-2020-A	75-100/3"-4"	0.001/0.00005"	107.1	56	φ6.5	0.004
4230-2025-A	100-125/4"-5"	0.001/0.00005"	132	66	φ6.5	0.005
4230-2030-A	125-150/5"-6"	0.001/0.00005"	156.5	80	φ6.5	0.005
4210-2135-A	150-175/6"-7"	0.001/0.00005"	184	94.5	φ6.5	0.007
4210-2140-A	175-200/7"-8"	0.001/0.00005"	209.5	107	φ6.5	0.007
4210-2145-A	200-225/8"-9"	0.001/0.00005"	234	129.5	φ6.5	0.008
4210-2150-A	225-250/9"-10"	0.001/0.00005"	259.5	142.5	φ6.5	0.008
4210-2155-A	250-275/10"-11"	0.001/0.00005"	285	155	φ6.5	0.009
4210-2160-A	275-300/11"-12"	0.001/0.00005"	310.5	167.5	φ6.5	0.009



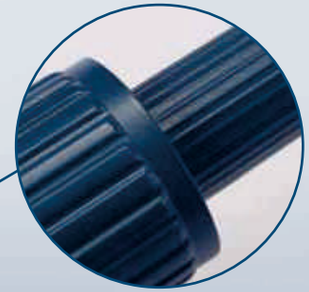
- New special carbide used on measuring anvil instead of traditional easy-wear off carbide tip



VS



- Stainless steel newly adapted on spindle instead of carbon steel



- With ratchet stop for constant force(5- 8N 20% higher than normal)

IP65 OIL & WATER PROOF DIGITAL MICROMETER

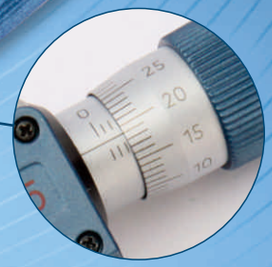
DIN 863 | mm / in | Battery + Cr2450 | IP65 COOLANT&FLUID RESISTANT

BEST SELLER

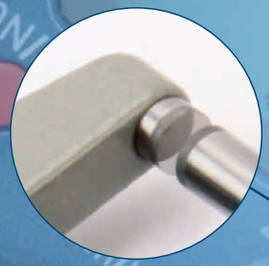
- With large easy-to-read LCD screen
- Strictly made in accordance with DIN863
- Spindle hardened, ground and lapped for ultimate accuracy
- With spindle lock
- With absolute, inch-metric conversion and zero-set function
- IP65 protection against liquid
- Stainless steel newly adapted on spindle
- Carbide measuring surfaces ground for longer service life

- With calibration certificate

- With ratchet stop for constant force(5- 8N 20% higher than normal)

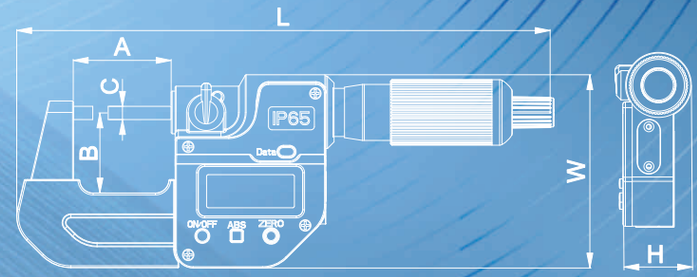


- Clear graduations laser-etched on satin chrome finish for easy reading



- New special carbide used on measuring anvil instead of traditional easy-wear off carbide tip

- IP65 Oil and waterproof ability



Unit:mm

Code	Range	Resolution	A	B	C	L	W	H	Accuracy
4410-1105-A	0-25/0-1"	0.001/0.00005"	29.8	24.5	ø6.5	159.5	59.6	23.5	0.003/0.00015"
4410-1110-A	25-50/1-2"	0.001/0.00005"	55.3	31	ø6.5	188.5	75.7	23.5	0.003/0.00015"
4410-1115-A	50-75/2-3"	0.001/0.00005"	80.8	44	ø6.5	219	90.7	23.5	0.004/0.00015"
4410-1120-A	75-100/3-4"	0.001/0.00005"	105.8	56	ø6.5	246.5	107.2	23.5	0.004/0.00015"

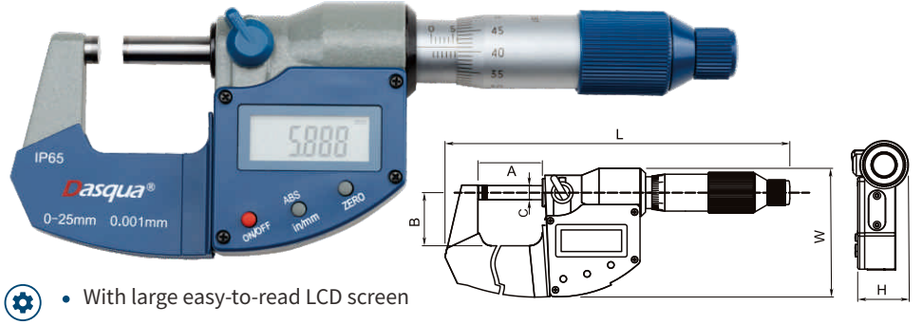
INCH ENGRAVING ON THE SLEEVE

Code	Range	Resolution	A	B	C	L	W	H	Accuracy
4410-2405-A	0-25/0-1"	0.001/0.00005"	29.8	24.5	ø6.5	159.5	59.6	23.5	0.003/0.00015"
4410-2410-A	25-50/1-2"	0.001/0.00005"	55.3	31	ø6.5	188.5	75.7	23.5	0.003/0.00015"
4410-2415-A	50-75/2-3"	0.001/0.00005"	80.8	44	ø6.5	219	90.7	23.5	0.004/0.00015"
4410-2420-A	75-100/3-4"	0.001/0.00005"	105.8	56	ø6.5	246.5	107.2	23.5	0.004/0.00015"

B

IP65 WATER PROOF DIGITAL OUTSIDE MICROMETER

DIN 863 | mm/in | Battery + CR2032 | IP65 COOLANT&FLUID RESISTANT



- With large easy-to-read LCD screen
- Strictly made in accordance with DIN863
- Spindle hardened, ground and lapped for ultimate accuracy
- With spindle lock
- With absolute, inch-metric conversion and zero-set function
- IP65 protection against liquid
- Stainless steel newly adapted on spindle
- Carbide measuring surfaces ground for longer service life

METRIC GRADUATION

Unit:mm

Code	Range	Resolution	Graduation	A	B	C	L	W	H	Accuracy
4410-1105	0-25/0-1"	0.001/0.00005"	0.01	29.8	24.5	φ6.5	159.5	59.6	23.5	0.003/0.00015"
4410-1110	25-50/1-2"	0.001/0.00005"	0.01	55.3	31	φ6.5	188.5	75.7	23.5	0.003/0.00015"
4410-1115	50-75/2-3"	0.001/0.00005"	0.01	80.8	44	φ6.5	219	90.7	23.5	0.004/0.00015"
4410-1120	75-100/3-4"	0.001/0.00005"	0.01	105.8	56	φ6.5	246.5	107.2	23.5	0.004/0.00015"
4410-1125	100-125/4-5"	0.001/0.00005"	0.01	130.8	68	φ6.5	278	125.3	23.5	0.005/0.0002"
4410-1130	125-150/5-6"	0.001/0.00005"	0.01	155.8	81	φ6.5	307.5	141.3	23.5	0.005/0.0002"

INCH GRADUATION

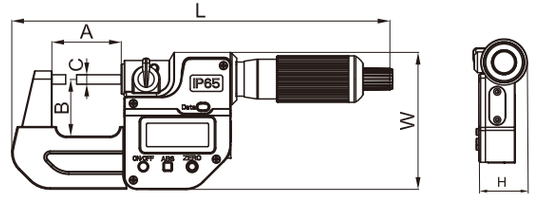
Unit:mm

Code	Range	Resolution	Graduation	A	B	C	L	W	H	Accuracy
4410-2405	0-25/0-1"	0.001/0.00005"	0.0001"	29.8	24.5	φ6.5	159.5	59.6	23.5	0.003/0.00015"
4410-2410	25-50/1-2"	0.001/0.00005"	0.0001"	55.3	31	φ6.5	188.5	75.7	23.5	0.003/0.00015"
4410-2415	50-75/2-3"	0.001/0.00005"	0.0001"	80.8	44	φ6.5	219	90.7	23.5	0.004/0.00015"
4410-2420	75-100/3-4"	0.001/0.00005"	0.0001"	105.8	56	φ6.5	246.5	107.2	23.5	0.004/0.00015"
4410-2425	100-125/4-5"	0.001/0.00005"	0.0001"	130.8	68	φ6.5	278	125.3	23.5	0.005/0.0002"
4410-2430	125-150/5-6"	0.001/0.00005"	0.0001"	155.8	81	φ6.5	307.5	141.3	23.5	0.005/0.0002"

IP65 DIGITAL MICROMETER

WITH WIRELESS SYSTEM

Battery + Cr2450 | DIN 863 | mm/in | Data output | WIRELESS TRANSMITTER | Absolute | IP65 COOLANT&FLUID RESISTANT



- Wireless System for data output
- With large easy-to-read LCD screen
- Strictly made in accordance with DIN863
- Spindle hardened, ground and lapped for ultimate accuracy
- With spindle lock
- With absolute, inch-metric conversion and zero-set function
- IP65 protection against liquid
- Stainless steel newly adapted on spindle
- Carbide measuring surfaces ground for longer service life

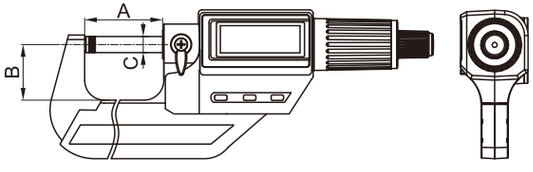
Unit:mm

Code	Range	Resolution	A	B	C	E	F	F	Accuracy
4410-2105-A	0-25/0-1"	0.001/0.00005"	29.8	24.5	ø6.5	159.5	59.6	23.5	0.003/0.00015"
4410-2110-A	25-50/1-2"	0.001/0.00005"	55.3	31	ø6.5	188.5	75.7	23.5	0.003/0.00015"
4410-2115-A	50-75/2-3"	0.001/0.00005"	80.8	44	ø6.5	219	90.7	23.5	0.004/0.00015"
4410-2120-A	75-100/3-4"	0.001/0.00005"	105.8	56	ø6.5	246.5	107.2	23.5	0.004/0.00015"

DIGITAL MICROMETER

WITH WIRELESS SYSTEM

Battery + CR2032 | DIN 863 | mm / in | Data output | WIRELESS TRANSMITTER | Absolute



- Wireless System for data output
- With large easy-to-read LCD screen
- Strictly made in accordance with DIN863
- Spindle hardened, ground and lapped for ultimate accuracy
- With spindle lock
- With Absolute, Inch-Metric Conversion and Zero-Set function
- Stainless steel newly adapted on spindle
- Carbide measuring surfaces ground for longer service life

Unit:mm

Code	Range	Resolution	A	B	C	Accuracy
4230-3105	0-25/0-1"	0.001/0.00005"	31.5	22.5	ø6.5	0.003/0.00015"
4230-3110	25-50/1-2"	0.001/0.00005"	56.5	31	ø6.5	0.003/0.00015"
4230-3115	50-75/2-3"	0.001/0.00005"	81.5	44	ø6.5	0.004/0.00015"
4230-3120	75-100/3-4"	0.001/0.00005"	107.1	56	ø6.5	0.004/0.00015"
4230-3125	100-125/4-5"	0.001/0.00005"	132	66	ø6.5	0.005/0.0002"
4230-3130	125-150/5-6"	0.001/0.00005"	156.5	80	ø6.5	0.005/0.0002"

DIGITAL OUTSIDE MICROMETER SET

- Spindle ground twice which makes pitch error 1 μ less than before and raches world class standard
- With ratchet stop for constant force
- Strictly made in accordance with DIN863
- Stainless steel newly adapted on spindle instead of carbon steel
- New special carbide used on measuring anvil instead of traditional easy-wear off carbide tip

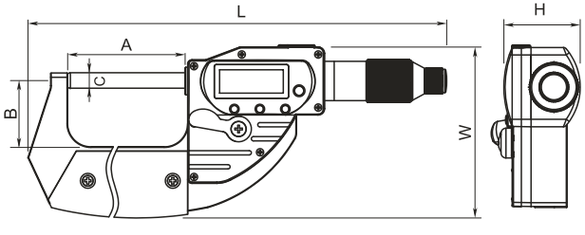
Unit:mm

Code	Range	Resolution	Set (Pcs)
4005-0175	0-100/ 0-4''	0.001/0.00005''	4
4005-0177	0-150/ 0-6''	0.001/0.00005''	6
4005-0179	0-300/ 0-12''	0.001/0.00005''	12
4005-0178	150-300/ 4''-12''	0.001/0.00005''	6

B

IP65 WATER PROOF DIGITAL QUICK-MOVE MICROMETER

DIN 863 | mm/in | Battery + CR2032 | IP65 COOLANT&FLUID RESISTANT | Absolute | Data output | WIRELESS TRANSMITTER



Unit:mm

Code	Range	Resolution	A	B	C	L	W	H	Accuracy
4220-2105	0-25/0-1"	0.001/0.00005"	29.8	25.4	φ6.5	168.6	64.6	30.8	0.003/0.00015"
4220-2110	25-50/1-2"	0.001/0.00005"	55.3	31	φ6.5	197.2	80.5	30.8	0.003/0.00015"
4220-2115	50-75/2-3"	0.001/0.00005"	80.3	44	φ6.5	227.5	96	30.8	0.004/0.00015"
4220-2120	75-100/3-4"	0.001/0.00005"	105.3	56	φ6.5	257.6	112.5	30.8	0.004/0.00015"

WITH WIRELESS SYSTEM

Unit:mm

Code	Range	Resolution	A	B	C	L	W	H	Accuracy
4610-3105	0-25/0-1"	0.001/0.00005"	29.8	25.4	φ6.5	168.6	64.6	30.8	0.003/0.00015"
4610-3110	25-50/1-2"	0.001/0.00005"	55.3	31	φ6.5	197.2	80.5	30.8	0.003/0.00015"
4610-3115	50-75/2-3"	0.001/0.00005"	80.3	44	φ6.5	227.5	96	30.8	0.004/0.00015"
4610-3120	75-100/3-4"	0.001/0.00005"	105.3	56	φ6.5	257.6	112.5	30.8	0.004/0.00015"

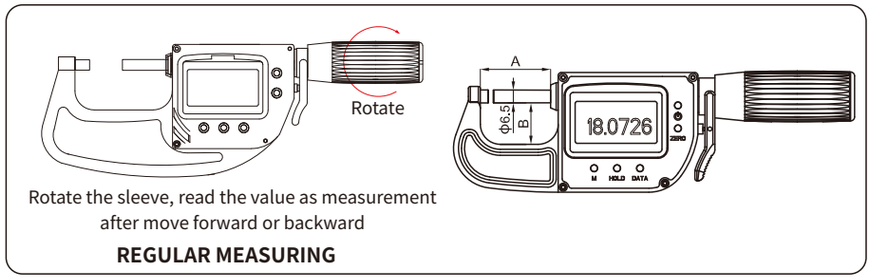
HIGH PRECISION DIGITAL MICROMETER/SNAP GAUGES

Dasqua Blu

- Absolute encoder, the original data remains after power off
- Adjustable resolution: 0.001mm/0.00005", 0.01mm/0.0005"
- One turn of sleeve makes 5mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork the spindle retracts 3mm, for fast measuring of mass workpieces
- Linear ball bearings for ten million times use
- Carbide spindle and anvil
- Button function: data output tolerance data preset data hold measuring direction
- changemax/min./TIRpower off time,on/off,zero,mm/inchadjustresolution
- Supplied with gage blocks for zero setting (except0-25mm/0-1")

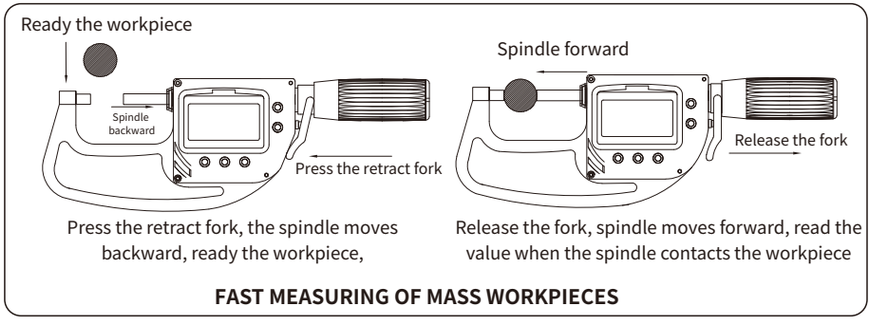
Unit:mm

Code	Range	Repeatability	Accuracy	Measuring faces		A	B	Data output
				Flatness	Parallelism			
4105-0005	0-25/0-1"	0.001	0.002	0.0005	0.0012	38	24	Cable
4105-0010	25-50/1-2"	0.001	0.002	0.0005	0.0012	63	28	Cable
4105-0015	50-75/2-3"	0.001	0.003	0.0005	0.0012	88	45	Cable
4105-0020	75-100/3-4"	0.001	0.005	0.0005	0.0012	113	57	Cable
4331-0105	0-25/0-1"	0.001	0.002	0.0005	0.0012	38	24	Wireless
4331-0110	25-50/1-2"	0.001	0.002	0.0005	0.0012	63	28	Wireless
4331-0115	50-75/2-3"	0.001	0.003	0.0005	0.0012	88	45	Wireless
4331-0120	75-100/3-4"	0.001	0.005	0.0005	0.0012	113	57	Wireless



Rotate the sleeve, read the value as measurement after move forward or backward

REGULAR MEASURING



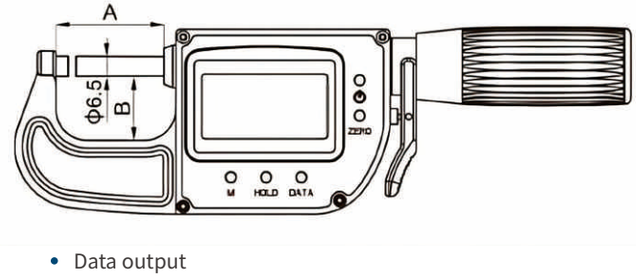
Press the retract fork, the spindle moves backward, ready the workpiece,

Release the fork, spindle moves forward, read the value when the spindle contacts the workpiece

FAST MEASURING OF MASS WORKPIECES

MICROMETER/DIGITAL INDICATING GAUGE

WITH LINEAR ENCODER



- Data output
- More wear-resistance & durable
- Quick-move measurement
- Super long life built-in Battery
- Integration Multi- functions
- Carbide for whole anvils & spindle ensure longer life& higher reliability
- IP65 Water, Oil & Coolant proof, much more reliable in adverse working condition
- Optical grating technology, much higher accuracy control(±0.0001mm) in measurement

Unit:mm

Code	Range	Resolution	Repeatability	Measuring faces		Accuracy
				Flatness	Parallelism	
4205-0005	0-25mm/0-1"	0.0001	0.0003	0.0003	0.0006	±0.0005

B

IP65 QUICK ACTION TYPE DIGITAL INDICATING GAUGE

WITH LINEAR ENCODER

Dasqua Blu

- Used to measuring diameters of mass-produced cylinder and shfts
- Angles in the ends of the the two anvils for easy inserting works
- High prescision of dial indicator is optional
- Dimension of measuring face:14*11mm
- Installing dimension is 8mm
- Travel of moving anvil:3mm

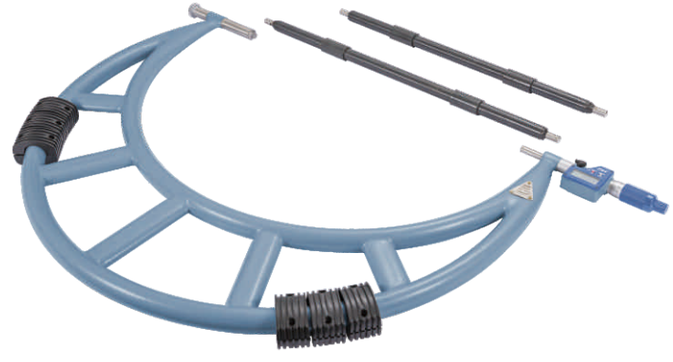
Unit:mm

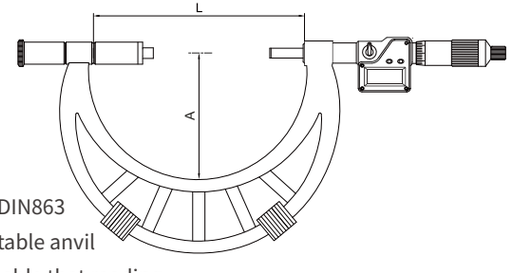
Code	Range	Repeatability	Measuring faces		A	B	Accuracy	Data output
			Flatness	Parallelism				
4005-0245	0-25mm/0-1"	0.0006	0.0005	0.001	38	24	0.0014	Cable
4005-0250	25-50mm/1-2"	0.001	0.0005	0.001	63	28	0.0014	Cable
4005-0255	50-75mm/2-3"	0.001	0.0005	0.001	88	45	0.002	Cable
4005-0260	75-100mm/3-4"	0.001	0.0005	0.001	113	57	0.002	Cable
4231-0205	0-25mm/0-1"	0.0006	0.0005	0.001	38	24	0.0014	Wireless
4231-0210	25-50mm/1-2"	0.001	0.0005	0.001	63	28	0.0014	Wireless
4231-0215	50-75mm/2-3"	0.001	0.0005	0.001	88	45	0.002	Wireless
4231-0220	75-100mm/3-4"	0.001	0.0005	0.001	113	57	0.002	Wireless
4231-1205	0-25mm/0-1"	0.0006	0.0005	0.001	38	24	0.0014	Zigbee
4231-1210	25-50mm/1-2"	0.001	0.0005	0.001	63	28	0.0014	Zigbee
4231-1215	50-75mm/2-3"	0.001	0.0005	0.001	88	45	0.002	Zigbee
4231-1220	75-100mm/3-4"	0.001	0.0005	0.001	113	57	0.002	Zigbee

IP65 WATER PROOF DIGITAL OUTSIDE MICROMETER

WITH ADJUSTABLE ANVILS

DIN 863 | IP65 COOLANT&FLUID RESISTANT | mm / in | battery + LR44 | Data output





- IP65 protection against liquid
- With carbide measuring faces
- Strictly made in accordance with DIN863
- Wide measuring range with adjustable anvil
- High accuracy standard collars enable that reading does not have to be reset when changing collars
- Standard collars: Within 1000mm/40":25mm/1", 50mm/2"
- Pipe combined frame for light weight and high rigidity

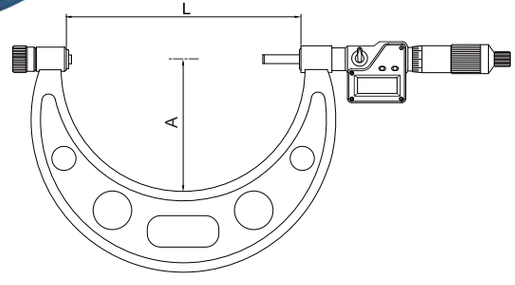
Unit:mm

Code	Range	A	L	Resolution	Accuracy
4905-0005	300-400	224	409	0.001/0.00005"	0.011
4905-0006	400-500	275	509	0.001/0.00005"	0.013
4905-0007	500-600	321	609	0.001/0.00005"	0.015
4905-0008	600-700	371	709	0.001/0.00005"	0.016
4905-0009	700-800	426	809	0.001/0.00005"	0.018
4905-0010	800-900	476	909	0.001/0.00005"	0.020
4905-0011	900-1000	576	1009	0.001/0.00005"	0.020

IP65 WATER PROOF OUTSIDE MICROMETER

WITH INTERCHANGEABLE ANVILS

DIN 863 | IP65 COOLANT&FLUID RESISTANT | mm / in | Battery + LR44 | Data output



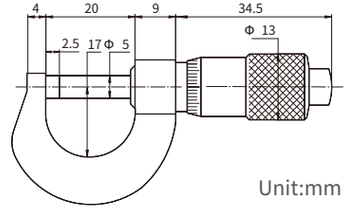
- With carbide measuring faces
- IP65 protection against liquid
- Wide measuring range with interchangeable anvils
- High accuracy interchangeable anvils enable that reading does not have to be reset when changing anvils

Unit:mm

Code	Range	Resolution	Anvil(pcs)	A	L	Accuracy
4706-0001	0-100	0.001/0.00005"	4	57	108	±0.003
4706-0011	0-150	0.001/0.00005"	4	82	158	±0.003
4706-0002	100-200	0.001/0.00005"	4	114	208	±0.004
4706-0012	150-300	0.001/0.00005"	4	165	308	±0.005
4706-0003	200-300	0.001/0.00005"	4	165	308	±0.005
4706-0004	300-400	0.001/0.00005"	4	224	409	±0.006
4706-0005	400-500	0.001/0.00005"	4	275	509	±0.007
4706-0006	500-600	0.001/0.00005"	4	321	609	±0.007
4706-0007	600-700	0.001/0.00005"	4	371	709	±0.008
4706-0008	700-800	0.001/0.00005"	4	426	809	±0.009
4706-0009	800-900	0.001/0.00005"	4	476	909	±0.010
4706-0010	900-1000	0.001/0.00005"	4	576	1009	±0.010

MINI MICROMETER

FOR CRAFTMAN JOB



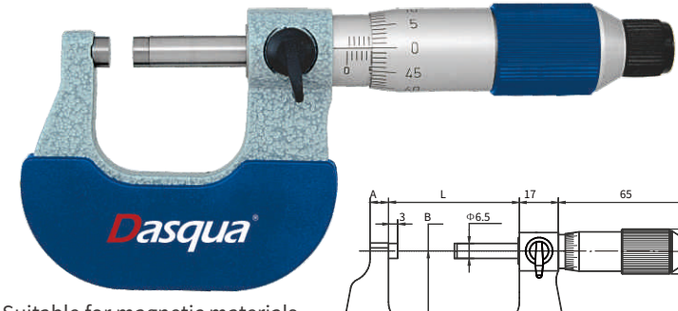
- Used to measure small dimensions
- Portable with small size

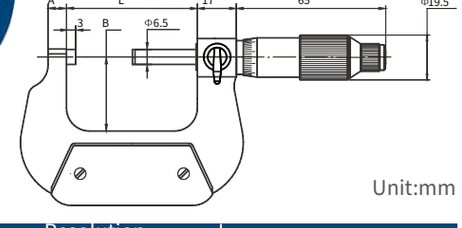
Unit:mm

Code	Range	Graduation
4111-8103	0-15mm	0.01mm
4112-5103	0-1/2"	0.001"

NON-MAGNETIC OUTSIDE MICROMETER

DIN 863





- Suitable for magnetic materials
- Ratchet stop
- Ceramic measuring faces

Unit:mm

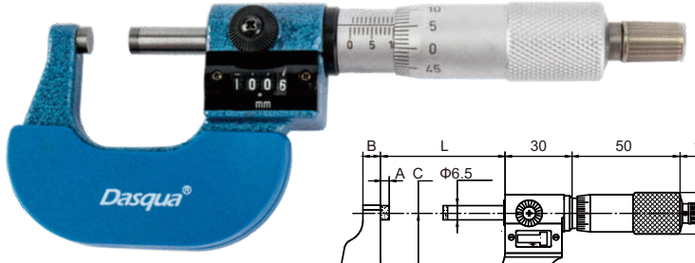
Code	Range	Resolution	Accuracy
4005-0205	0-25mm	0.01	0.004
4005-0210	25-50mm	0.01	0.004
4005-0215	50-75mm	0.01	0.005
4005-0220	75-100mm	0.01	0.005

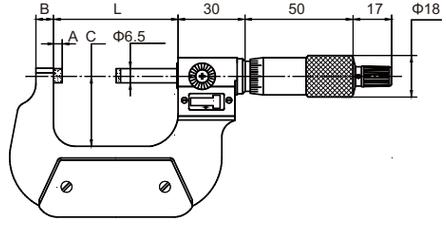
B

OUTSIDE MICROMETER

WITH COUNTER

DIN 863





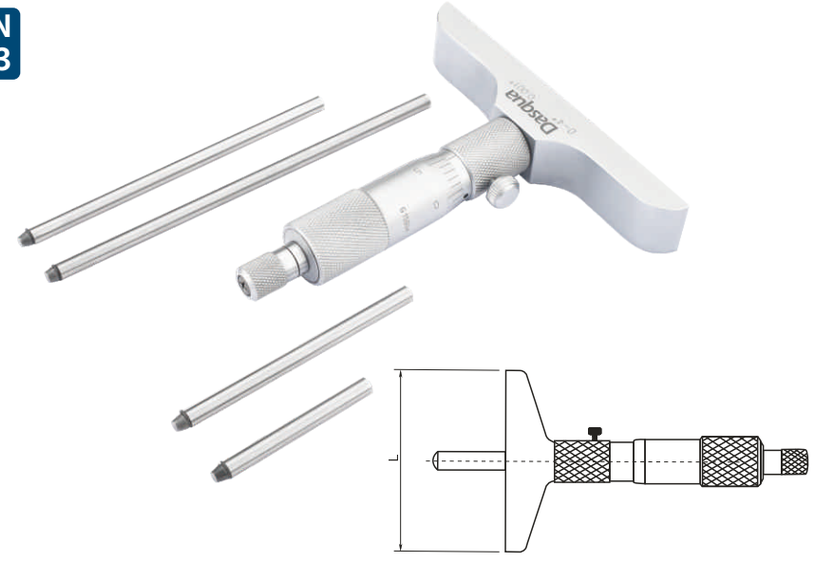
- Carbide measuring face
- Resolution: 0.0lmm(Metric)
- Counter readout: 0.0lmm(Metric)
- Strictly made in accordance with DIN863
- Mechanical digit counter for quick and error -free reading

Unit:mm

Code	Range	A	B	C	L	Accuracy
4150-1005	0-25mm	3.0	6	26	32	0.004
4150-1010	25-50mm	3.0	8	32	57	0.004
4150-1015	50-75mm	3.0	8	44.5	82	0.005
4150-1020	75-100mm	3.0	8	57	107	0.005
4150-1025	100-125mm	3.0	17	71.8	132.4	0.006
4150-1030	125-150mm	3.0	17	84	157.8	0.006
4150-1035	150-175mm	3.0	20	98.2	185	0.007
4150-1040	175-200mm	3.0	20	111	210.4	0.007
4150-1045	200-225mm	5.5	20	124	236	0.008
4150-1050	225-250mm	5.5	20	136.5	261	0.008
4150-1055	250-275mm	5.5	20	149	287	0.009
4150-1060	275-300mm	5.5	20	162	312	0.009
4150-2005	0-1"	3.0	6	26	32	0.004
4150-2010	1-2"	3.0	8	32	57	0.004
4150-2015	2-3"	3.0	8	44.5	82	0.005
4150-2020	3-4"	3.0	8	57	107	0.005
4150-2025	4-5"	3.0	17	71.8	132.4	0.006
4150-2030	5-6"	3.0	17	84	157.8	0.006
4150-2035	6-7"	3.0	20	98.2	185	0.007
4150-2040	7-8"	3.0	20	111	210.4	0.007
4150-2045	8-9"	5.5	20	124	236	0.008
4150-2050	9-10"	5.5	20	136.5	261	0.008
4150-2055	10-11"	5.5	20	149	287	0.009
4150-2060	11-12"	5.5	20	162	312	0.009

DEPTH MICROMETER

DIN 863



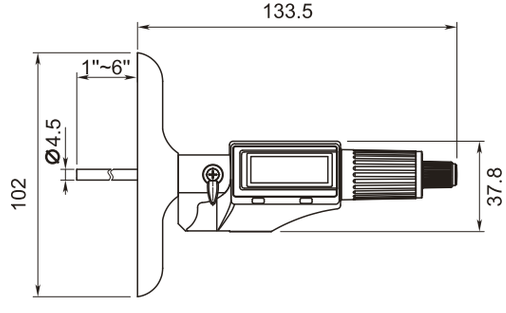
- Used to measure depth of holes or parts with grooved or elevated surfaces
- Strictly made in accordance with DIN 863
- With ratchet stop for constant force
- Spindle hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With measuring rod clamp
- Carbide measuring surfaces ground for longer service life

Unit:mm

Code	Range	Graduation	Accuracy	L	Anvil(pcs)
4611-8106	0-25	0.01	±0.004	100	1
4611-8110	0-50	0.01	±0.004	100	2
4611-8115	0-75	0.01	±0.006	100	3
4611-8120	0-100	0.01	±0.006	100	4
4611-8125	0-150	0.01	±0.007	100	6
4611-8129	0-200	0.01	±0.008	100	8
4611-8130	0-300	0.01	±0.010	100	12
4612-5106	0-1"	0.001"	±0.00016"	100	1
4612-5110	0-2"	0.001"	±0.00016"	100	2
4612-5115	0-3"	0.001"	±0.00025"	100	3
4612-5120	0-4"	0.001"	±0.00025"	100	4
4612-5125	0-6"	0.001"	±0.00025"	100	6
4612-5130	0-8"	0.001"	±0.0003"	100	8
4612-5135	0-12"	0.001"	±0.0004"	100	12

DIGITAL DEPTH MICROMETER

DIN 863 | mm / in | Battery + CR2032



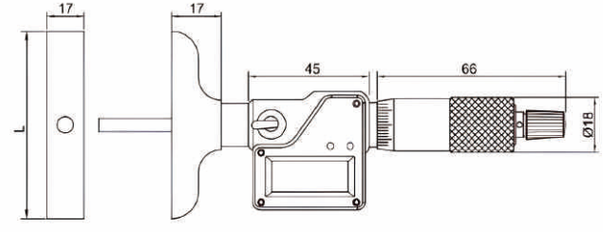
- Large easy-to-read display
- Used to measure depth of holes or parts with grooved or elevated surfaces
- Strictly made in accordance with DIN 863
- With ratchet stop for constant force
- Spindle hardened, ground and lapped for ultimate accuracy
- Extension rods of different lengths offering larger measuring ranges
- With Hold, Zero, Metric/Inch Conversion function

Unit:mm

Code	Range	Resolution	Accuracy
4710-2205	0-150/0-6"	0.001/0.00005"	0.005/0.0002"

DIGITAL DEPTH MICROMETER

mm / in | DIN 863 | Data output | IP65 COOLANT&FLUID RESISTANT | Absolute | Battery + CR2032



- Large measuring range
- High precision replaceable rod, no need to replace the zero position
- Probe accuracy: ±0.003mm
- Replaceable rod accuracy: ±(2+L/75)μm, L= Maximum measurement length (mm)
- Electronic display, scale display
- Ratchet measures force

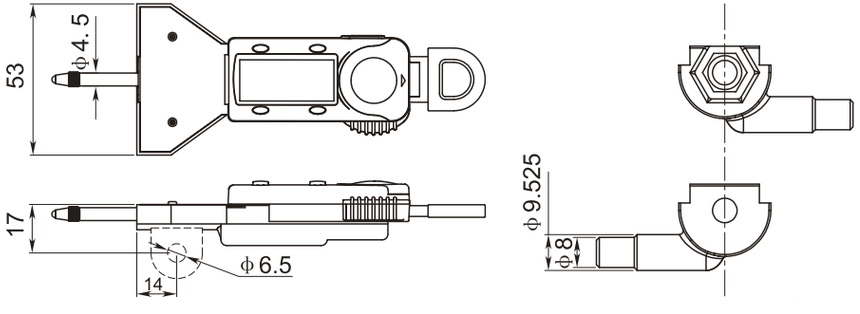
Unit:mm

Code	Range	L	A	B	Resolution
4806-0005	0-25mm0/1"	63	1	4.5	0.001/0.00005"
4806-0010	0-50mm0/2"	63	2	4.5	0.001/0.00005"
4806-0015	0-100mm0/4"	63	4	4.5	0.001/0.00005"
4806-0020	0-150mm0/6"	63	6	4.5	0.001/0.00005"
4806-0025	0-200mm0/8"	63	8	4.5	0.001/0.00005"
4806-0030	0-300mm0/12"	63	12	4.5	0.001/0.00005"

B

DIGITAL DEPTH GAGE

mm/in | Battery + CR2032

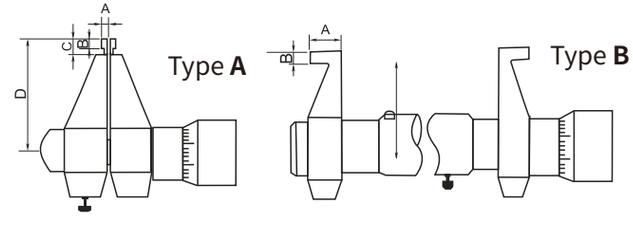


- Spring-loaded and hold measurement button for easy-to-use
- Hardened,ground and lapped measuring face
- Supplied in fitted case
- Super-large display

Unit:mm

Code	Range	Resolution	Travel	Accuracy	Anvil
4710-1205	0-16"/400	0.01/0.0005"	0-25/0-1"	0.03/0.0015"	1"/2"/3"/4"/5"

INSIDE MICROMETER



- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- Carbide measuring surfaces ground for longer service life
- Used to measure various inside dimensions
- With ratchet stop for constant pressure
- An inside micrometer set is optional
- With spindle lock

Unit:mm

Code	Range	Graduation	Type	A	B	C	D	Accuracy	Ring gage
4911-8105	5-30	0.01	A	2.3	4.5	5.5	27.5	±0.005	✓
4911-8110	25-50	0.01	B	12.3	4.5	/	27.5	±0.006	✓
4911-8115	50-75	0.01	B	12.3	4.5	/	27.5	±0.007	/
4911-8120	75-100	0.01	B	12.3	4.5	/	27.5	±0.008	/
4911-8125	5-100	0.01	/	/	/	/	/	/	/
4912-8129	5-150	0.01	/	/	/	/	/	/	/
4912-5105	0.2-1.2"	0.001"	A	2.3	4.5	5.5	27.5	±0.00025"	✓
4912-5110	1-2"	0.001"	B	12.3	4.5	/	27.5	±0.0003"	✓
4912-5115	2-3"	0.001"	B	12.3	4.5	/	27.5	±0.00035"	/
4912-5120	3-4"	0.001"	B	12.3	4.5	/	27.5	±0.0004"	/
4912-5125	0.2-4"	0.001"	/	/	/	/	/	/	/
4912-5130	0.2-6"	0.001"	/	/	/	/	/	/	/

INSIDE MICROMETER

DIN 863

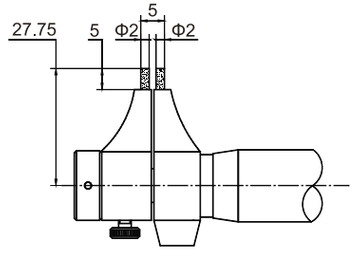
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- Carbide measuring surfaces ground for longer service life
- Used to measure various inside dimensions
- With ratchet stop for constant pressure
- An inside micrometer set is optional
- With spindle lock

Unit:mm

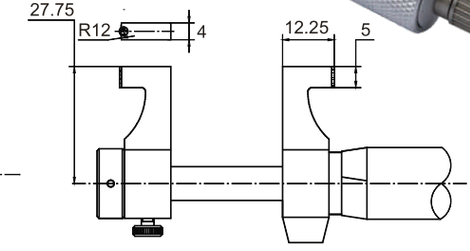
Code	Range	Resolution	Accuracy
4911-8130	100-125mm	0.01mm	0.009mm
4911-8135	125-150mm	0.01mm	0.009mm
4911-8140	150-175mm	0.01mm	0.01mm
4911-8145	175-200mm	0.01mm	0.01mm
4911-8150	4-5"	0.01"	0.00036"
4911-8155	5-6"	0.01"	0.00036"
4911-8160	6-7"	0.01"	0.0004"
4911-8165	7-8"	0.01"	0.0004"

DIGITAL INSIDE MICROMETER

Battery + LR44 | DIN 863 | Data output



(5-30mm)



(Over 25mm)

- Incl. 1x 1.5V battery
- Zero setting at any position
- Strictly made in accordance with DIN863
- For easy and rapid measurement of various inside dimensions
- LCD display with clear reading, metric/inch conversion
- With ratchet for constant measuring pressure
- Clamp wheel for quick and precise fixing

Unit:mm

Code	Range	Resolution	Accuracy
4910-4105	5-30/0.2"-1.2"	0.001/0.00005"	±0.003
4910-4110	25-50/1"-2"	0.001/0.00005"	±0.003
4910-4115	50-75/2"-3"	0.001/0.00005"	±0.004
4910-4120	75-100/3"-4"	0.001/0.00005"	±0.004
4005-0090	100-125/4-5"	0.001/0.00005"	±0.005
4005-0095	125-150/5-6"	0.001/0.00005"	±0.005
4005-0100	150-175/6-7"	0.001/0.00005"	±0.005
4005-0105	175-200/7-8"	0.001/0.00005"	±0.005

TUBULAR INSIDE MICROMETER

- Wide range by combining extension rods and anvils with the micrometer head
- Strictly made in accordance with DIN 863
- Measuring rods hardened, ground and lapped
- Clear graduations laser-etched on satin chrome finish for easy reading

Unit:mm

Code	Range	Graduation	Extension Rod	Accuracy
4311-8103	50-63	0.01	Micrometer head	0.005
4311-8106	50-100	0.01	13,25	0.007
4311-8107	50-150	0.01	13,25,50	0.009
4311-8109	50-300	0.01	13,25,50(2pcs),100	0.014
4311-8111	50-500	0.01	13,25,50(2pcs),100,200	0.019
4311-8113	50-600	0.01	13,25,50,100,150,200	0.021
4311-8118	50-1000	0.01	13,25,50,100(2pcs),150,200,300	0.031
4311-8119	50-1500	0.01	13,25,50,100(2pcs),150,200(2pcs),300(2pcs)	0.043
4312-5103	2-2.5"	0.001"	Micrometer head	0.0002"
4312-5106	2-4"	0.001"	0.5",1"	0.00025"
4312-5109	2-12"	0.001"	0.5",1",2"(2pcs),4"	0.00045"
4312-5112	2-20"	0.001"	0.5",1",2"(2pcs),4",8"	0.00065"
4312-5113	2-40"	0.001"	0.5",1",2",4"(2pcs.),6",8",12"	0.00115"
4312-5117	2-60"	0.001"	0.5''//1"/2"/4"[2pcs]/6''/8"[2pcs]/12"[2pcs]	0.00169"

TUBULAR INSIDE MICROMETER

- Wide range by combining extension rods and anvils with the micrometer head
- Strictly made in accordance with DIN 863
- Measuring rods hardened, ground and lapped
- Clear graduations laser-etched on satin chrome finish for easy reading

Unit:mm

Code	Range	Graduation	Travel of micrometer	Extension Rod
4311-8220	1000-2000	0.01	50	50,100(2pcs),200,500
4311-8225	1000-3000	0.01	50	50,100(2pcs),200,500,1000
4311-8230	1000-4000	0.01	50	50,100(2pcs),200,500,1000(2pcs)
4311-8235	1000-5000	0.01	50	50,100(2pcs),200,500,1000(3pcs)

TUBULAR INSIDE MICROMETER

DIN 863

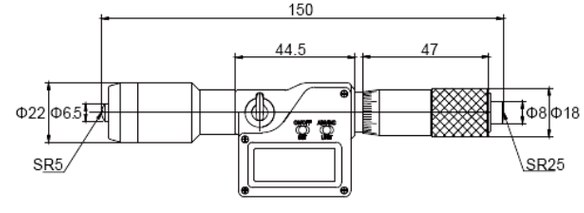
- Wide range by combining extensions rods and anvils with micrometer head
- Clear graduation laser etched on satin chrome finish for easy reading
- Strictly made in accordance with DIN863
- Measuring rods hardened, ground and lapped

Unit:mm

Code	Range	Resolution	Travel of micrometer	Extension Rods
4311-8305	100-125mm	0.01	25	Micrometer head
4311-8310	100-500mm	0.01	25	25mm,50mm,100mm,200mm
4311-8315	100-900mm	0.01	25	25mm,50mm,100mm,200mm,400mm
4311-8320	100-1300mm	0.01	25	25mm,50mm,100mm,200mm,400mm(2pcs)
4311-8325	100-1700mm	0.01	25	25mm,50mm,100mm,200mm,400mm(3pcs)
4311-8330	100-2100mm	0.01	25	25mm,50mm,100mm,200mm,400mm(4pcs)

DIGITAL TUBLER INSIDE MICROMETER

DIN 863 IP65 COOLANT&FLUID RESISTANT Absolute



- Wide range by combining extensions rods and anvils with micrometer head
- Clear graduation laser etched on satin chrome finish for easy reading
- Strictly made in accordance with DIN863
- Supplied with a standard gauge for zero setting

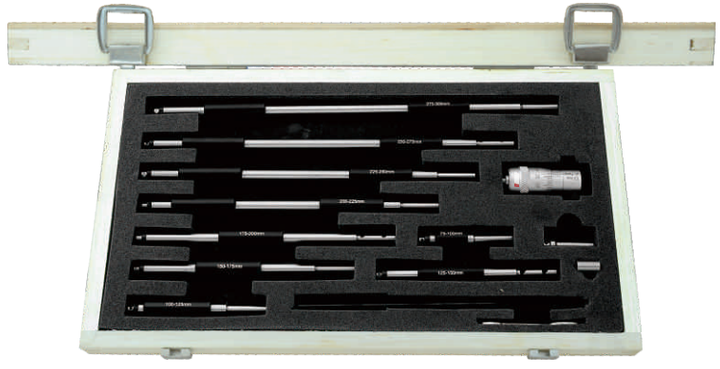
Unit:mm

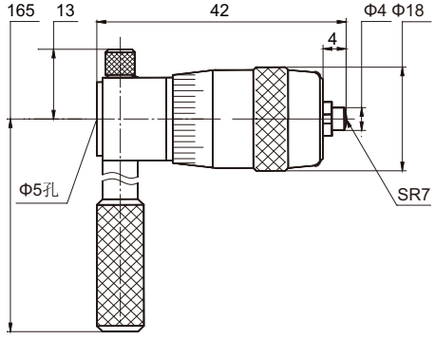
Code	Range	Resolution	Extension Rods
4341-0005	150-175mm	0.001	Micrometer head
4341-0010	150-1000mm	0.001	25mm,50mm(2pcs),100mm,200mm,400mm
4341-0015	150-1500mm	0.001	25mm,50mm(2pcs),100mm(2pcs),200mm,400mm(3pcs)
4341-0020	150-2000mm	0.001	25mm,50mm(2pcs),100mm(2pcs),200mm,400mm(2pcs)

B

TUBULAR INSIDE MICROMETER

DIN 863





- Wide range by combining extensions rods and anvils with micrometer head
- Clear graduation laser etched on satin chrome finish for easy reading
- Strictly made in accordance with DIN863
- Measuring rods hardened, ground and lapped

Unit:mm

Code	Range	Resolution	Accuracy
4352-0005	25-32mm	0.01	Micrometer head
4352-0010	25-50mm	0.01	2
4352-0015	50-63mm	0.01	Micrometer head
4352-0020	50-200mm	0.01	6
4352-0025	50-300mm	0.01	10
4352-0030	200-225mm	0.01	Micrometer head
4352-0035	200-500mm	0.01	3
4352-0040	200-1000mm	0.01	8

TUBULAR INSIDE MICROMETER

DIN 863

- Carbide measuring surface, optional non-carbide measuring surface
- Diameter of extension rods: Φ16mm

Unit:mm

Code	Range	Graduation	Accuracy
4352-2301	50-75mm	0.01	0.005
4352-2302	75-100mm	0.01	0.005
4352-2303	100-125mm	0.01	0.006
4352-2304	125-150mm	0.01	0.006
4352-2305	150-175mm	0.01	0.007
4352-2306	175-200mm	0.01	0.007
4352-2307	200-225mm	0.01	0.008
4352-2308	225-250mm	0.01	0.008
4352-2309	250-275mm	0.01	0.009
4352-2310	275-300mm	0.01	0.009
4352-2311	300-325mm	0.01	0.009
4352-2312	325-350mm	0.01	0.009
4352-2313	350-375mm	0.01	0.01
4352-2314	375-400mm	0.01	0.01
4352-2315	400-425mm	0.01	0.01
4352-2316	425-450mm	0.01	0.01
4352-2317	450-475mm	0.01	0.011
4352-2318	475-500mm	0.01	0.011
4352-2319	500-525mm	0.01	0.011
4352-2320	525-550mm	0.01	0.011
4352-2321	550-575mm	0.01	0.011
4352-2322	575-600mm	0.01	0.012
4352-2323	600-625mm	0.01	0.012
4352-2324	625-650mm	0.01	0.012
4352-2325	650-675mm	0.01	0.013
4352-2326	675-700mm	0.01	0.013
4352-2327	700-725mm	0.01	0.013
4352-2328	725-750mm	0.01	0.014
4352-2329	750-775mm	0.01	0.014
4352-2330	775-800mm	0.01	0.014
4352-2331	800-825mm	0.01	0.015
4352-2332	825-850mm	0.01	0.015
4352-2333	850-875mm	0.01	0.015
4352-2334	875-900mm	0.01	0.016
4352-2335	900-925mm	0.01	0.016
4352-2336	925-950mm	0.01	0.016
4352-2337	950-975mm	0.01	0.017
4352-2338	975-1000mm	0.01	0.017

DIGITAL 3-POINT SNAP-OPEN BORE GAUGE

- With Dasqua Absolute Chips, no need to check zero point during use
- Rest assured for your measurement
- Hold the test result prevent the careless touching

Go/No-Go fast checking

Unit:mm

Code	Range	Resolution	Ring gauge	A	B	D	Accuracy
4700-1001	6-8/0.275-0.35"	0.001	ø6	55	1	φ5.8	0.004/0.00015"
4700-1002	8-10/0.35-0.425"	0.001	ø8	55	1.5	φ5.8	0.004/0.00015"
4700-1003	10-12/0.425-0.5"	0.001	ø10	55	1.5	φ5.8	0.004/0.00015"
4700-1004	12-16/0.5-0.65"	0.001	ø12	80	0.5	φ11.8	0.004/0.00015"
4700-1005	16-20/0.65-0.8"	0.001	ø16	80	0.5	φ11.8	0.004/0.00015"
4700-1006	20-25/0.8-1.0"	0.001	ø20	90	0.5	φ15.8	0.004/0.00015"
4700-1007	25-30/1.0-1.2"	0.001	ø25	90	0.5	φ15.8	0.004/0.00015"
4700-1008	30-40/1.2-1.6"	0.001	ø30	105	0.5	φ23.8	0.004/0.00015"
4700-1009	40-50/1.6-2.0"	0.001	ø40	105	0.5	φ23.8	0.005/0.0002"
4700-1010	50-63/2.0-2.5"	0.001	ø50	127	0.5	φ23.8	0.005/0.0002"
4700-1011	62-75/2.5-3.0"	0.001	ø62	127	0.5	φ23.8	0.005/0.0002"
4700-1012	75-88/3.0-3.5"	0.001	ø75	127	0.5	φ23.8	0.005/0.0002"
4700-1013	87-100/3.5-4.0"	0.001	ø87	127	0.5	φ23.8	0.005/0.0002"

3-POINT SNAP-OPEN BORE GAUGE SET

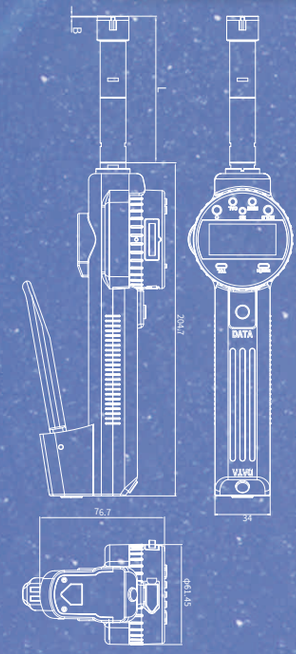
Unit:mm

Code	Range	Resolution	Ring gauge	Accuracy
4700-2005	6-12/0.275"-0.5"	0.001	ø8/ø10	0.004/0.00015"
4700-2010	12-25/0.5"- 1.0"	0.001	ø16/ø20	0.004/0.00015"
4700-2015	25-50/1.0"-2.0"	0.001	ø30/ø40	0.004/0.00015"
4700-2020	50-100/2.0"-4.0"	0.001	ø62/ø87	0.005/0.0002"

Complete size from 6mm till 100mm

- 330° rotatable display screen for easy reading at any angle

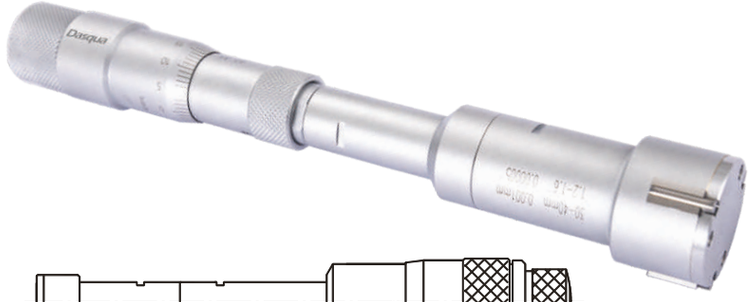
- Highly durable carbide tipped contact points, applicable for blind hole

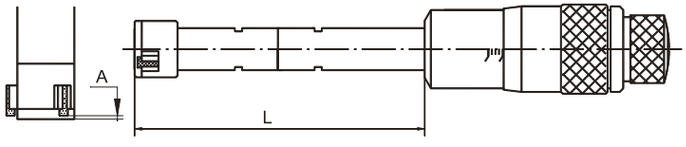


B

THREE POINTS INSIDE MICROMETER

DIN 863





- Applied for measuring through-holes and blind-holes
- With extension rods which are available in deeper holes
- With Ratchet stop for constant force
- Highly durable because of carbide-tipped measuring surfaces
- Setting rings for zero point adjustment
- Clear graduations laser-etched on satin chrome finish for easy reading
- Spindle hardened, ground and lapped for ultimate accuracy
- Setting ring gauge not included for sizes above 100mm

Unit:mm

Code	Range	Resolution	Setting Ring	L	A	Accuracy
4750-3108	2-2.5mm	0.001	Φ2.5mm	12.5mm	/	0.004mm
4750-3109	2.5-3mm	0.001	Φ2.5mm	12.5mm	/	0.004mm
4750-3110	3-4mm	0.001	Φ4mm	22.5mm	/	0.004mm
4750-4110	4-5mm	0.001	Φ5mm	22.5mm	/	0.004mm
4750-5110	5-6mm	0.001	Φ6mm	22.5mm	/	0.004mm
4411-5101	6-8mm	0.001	Φ6mm	54.5mm	1.5mm	0.004mm
4411-5102	8-10mm	0.001	Φ8mm	54.5mm	1.5mm	0.004mm
4411-5103	10-12mm	0.001	Φ10mm	54.5mm	1.5mm	0.004mm
4411-5104	12-16mm	0.001	Φ16mm	80mm	0.5mm	0.004mm
4411-5105	16-20mm	0.001	Φ16mm	80mm	0.5mm	0.004mm
4411-5106	20-25mm	0.001	Φ25mm	90mm	0.5mm	0.004mm
4411-5107	25-30mm	0.001	Φ25mm	90mm	0.5mm	0.004mm
4411-5108	30-40mm	0.001	Φ40mm	97mm	0.5mm	0.004mm
4411-5109	40-50mm	0.001	Φ40mm	97mm	0.5mm	0.005mm
4411-5110	50-63mm	0.001	Φ62mm	114mm	0.5mm	0.005mm
4411-5111	62-75mm	0.001	Φ62mm	114mm	0.5mm	0.005mm
4411-5112	75-88mm	0.001	Φ87mm	114mm	0.5mm	0.005mm
4411-5113	87-100mm	0.001	Φ87mm	114mm	0.5mm	0.005mm
4411-5114	100-125mm	0.001	Optional	145mm	0.5mm	0.005mm
4411-5115	125-150mm	0.001	Optional	145mm	0.5mm	0.005mm
4411-5116	150-175mm	0.001	Optional	145mm	0.5mm	0.005mm
4411-5117	175-200mm	0.001	Optional	145mm	0.5mm	0.005mm
4411-5118	200-225mm	0.001	Optional	145mm	0.5mm	0.007mm
4411-5119	225-250mm	0.001	Optional	145mm	0.5mm	0.007mm
4411-5120	250-275mm	0.001	Optional	145mm	0.5mm	0.007mm
4411-5121	275-300mm	0.001	Optional	145mm	0.5mm	0.007mm

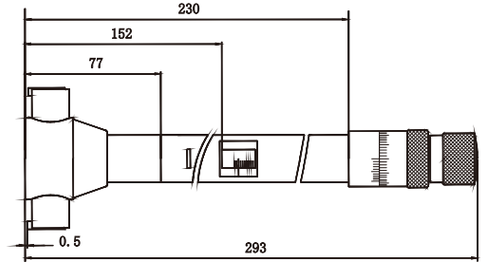
3 POINTS INSIDE MICROMETER SET

Unit:mm

Code	Range	Setting Ring	Graduation	Extension Rod	L	A	Accuracy
4411-9205	6-12 (6-8/8-10/10-12)	φ8/φ10	0.001	100	54.5	1.5	0.004
4411-3210	12-20 (12-16/16-20)	φ16	0.001	150	80	0.5	0.004
4411-3215	20-50 (20-25/25-30/30-40/40-50)	φ25/φ40	0.001	150	90/97	0.5	0.004
4411-3220	50-100 (50-63/62-75/75-88/87-100)	φ62/φ87	0.001	150	114	0.5	0.005
4412-0205	0.35"-0.5" (0.35"/0.35-0.425"/0.425-0.5")	0.35"/0.5"	0.0001"	4"	2.18"	0.06"	0.00016"
4412-4210	0.5"-0.8" (0.5-0.65"/0.65-0.8")	0.65"	0.0001"	6"	3.2"	0.02"	0.00016"
4412-4207	0.8"-2" (0.8-1"/1-1.2"/1.2-1.6"/1.6-2")	1"/1.6"	0.0001"	6"	3.6"/3.88"	0.02"	0.00016"
4412-4208	2"-4" (2-2.5"/2.5-3"/3-3.5"/3.5-4")	2.5"/3.5"	0.0001"	6"	4.56"	0.02"	0.0002"
4750-5111	3-6mm(3-4,4-5,5-6mm)	φ4/φ5/φ6	0.001	/	22.5	/	0.004

THREE POINTS INSIDE MICROMETER

DIN 863



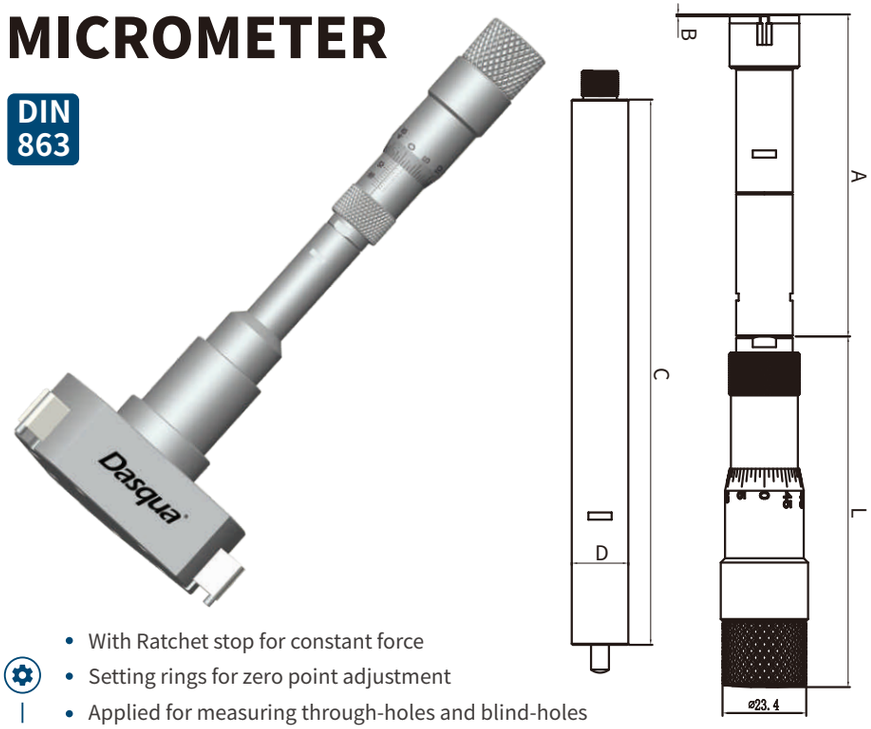
- Ratchet stop
- Measurements can be made close to the bottom of blind holes or into deep holes with an extension rod
- Self-centering 3-point precise measurement of inside diameter
- Patented construction for large measuring range
- Highly durable due to carbide tip contact points
- Supplied with zero adjustment setting ring

Unit:mm

Code	Range	Resolution	Setting rings	Acccuracy
4005-0110	50-70mm	0.001	Φ50	0.004
4005-0115	70-100mm	0.001	Φ70	0.004
4005-0120	100-150mm	0.001	Φ100	0.005
4005-0125	150-250mm	0.001	Φ150	0.007
4005-0130	200-300mm	0.001	Optional	0.007

THREE POINTS INSIDE MICROMETER

DIN 863



- With Ratchet stop for constant force
- Setting rings for zero point adjustment
- Applied for measuring through-holes and blind-holes
- With extension rods which are available in deeper holes
- Highly durable because of carbide-tipped measuring surfaces
- Clear graduation laser-etched on satin chrome finish for easy reading
- Spindle hardened, ground and lapped for ultimate accuracy

Unit:mm

Code	Range	Resolution	A	B	L	C	D	Acccuracy
4411-5114-H	100-125mm	0.001	156	1	98	152.4	Ø25.5	0.005
4411-5115-H	125-150mm	0.001	156	1	98	152.4	Ø25.6	0.005
4411-5116-H	150-175mm	0.001	156	1	98	152.4	Ø25.7	0.006
4411-5117-H	175-200mm	0.001	156	1	98	152.4	Ø25.8	0.006
4411-5118-H	200-225mm	0.001	156	1	98	152.4	Ø25.9	0.007
4411-5119-H	225-250mm	0.001	156	1	98	152.4	Ø25.10	0.007
4411-5120-H	250-275mm	0.001	156	1	98	152.4	Ø25.11	0.008
4411-5121-H	275-300mm	0.001	156	1	98	152.4	Ø25.12	0.008
4411-5122-H	300-325mm	0.001	156	1	98	152.4	Ø25.13	0.009
4411-5123-H	325-350mm	0.001	156	1	98	152.4	Ø25.14	0.009

B

IP54 WATER PROOF DIGITAL 3 POINTS INSIDE MICROMETER

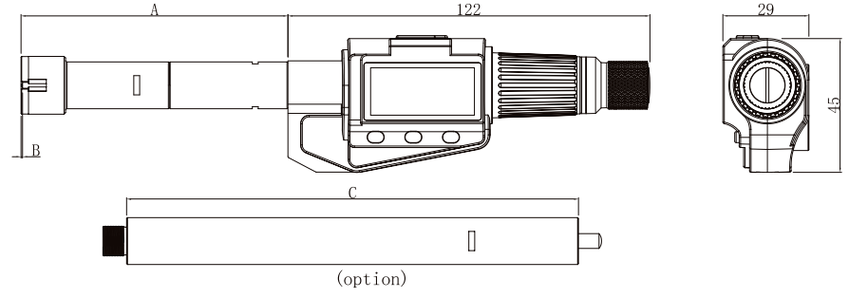
mm/in | DIN 863 | Battery + CR2032 | IP54 COOLANT&FLUID RESISTANT | Data output

- Large easy-to read display
- IP54 protection against liquid
- With Ratchet stop for constant force
- Setting rings for zero point adjustment
- Setting ring gauge not included for sizes above 100mm
- Applied for measuring through-holes and blind-holes
- With extension rods which are available in deeper holes
- Spindle hardened, ground and lapped for ultimate accuracy
- Highly durable because of carbide-tipped measuring surfaces
- With ABSOLUTE, Hold and Metric/Inch Conversion function

Unit:mm

Code	Range	Setting Ring	Resolution	A	B	Accuracy
4511-5101	6-8	φ6	0.001/0.00005"	55	1	0.004
4511-5102	8-10	φ8	0.001/0.00005"	55	1.5	0.004
4511-5103	10-12	φ10	0.001/0.00005"	55	1.5	0.004
4511-5104	12-16	φ12	0.001/0.00005"	80	0.5	0.004
4511-5105	16-20	φ16	0.001/0.00005"	80	0.5	0.004
4511-5106	20-25	φ20	0.001/0.00005"	90	0.5	0.004
4511-5107	25-30	φ25	0.001/0.00005"	90	0.5	0.004
4511-5108	30-40	φ30	0.001/0.00005"	105	0.5	0.004
4511-5109	40-50	φ40	0.001/0.00005"	105	0.5	0.005
4511-5110	50-63	φ50	0.001/0.00005"	127	0.5	0.005
4511-5111	62-75	φ62	0.001/0.00005"	127	0.5	0.005
4511-5112	75-88	φ75	0.001/0.00005"	127	0.5	0.005
4511-5113	87-100	φ87	0.001/0.00005"	127	0.5	0.005
4511-5114	100-125	Optional	0.001/0.00005"	156	1	0.005
4511-5115	125-150	Optional	0.001/0.00005"	156	1	0.005
4511-5116	150-175	Optional	0.001/0.00005"	156	1	0.006
4511-5117	175-200	Optional	0.001/0.00005"	156	1	0.006
4511-5118	200-225	Optional	0.001/0.00005"	156	1	0.007
4511-5119	225-250	Optional	0.001/0.00005"	156	1	0.007
4511-5120	250-275	Optional	0.001/0.00005"	156	1	0.008
4511-5121	275-300	Optional	0.001/0.00005"	156	1	0.008
4511-5122	300-325	Optional	0.001/0.00005"	156	1	0.009
4511-5123	325-350	Optional	0.001/0.00005"	156	1	0.009

IP54 WATER PROOF DIGITAL 3 POINTS INSIDE MICROMETER SET



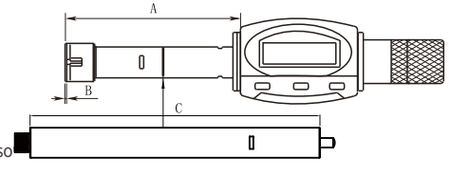
Unit:mm

Code	Range	Resolution	Setting Ring	Extension Rod(C)	A	B	Accuracy
4511-9205	6-12 (6-8/8-10/10-12)	0.001/0.00005"	φ8/φ10	101.6	55	1/1.5	0.004
4511-9210	12-20 (12-16/16-20)	0.001/0.00005"	φ16	152.4	80	0.5	0.004
4511-9215	20-50 (20-25/25-30/30-40/40-50)	0.001/0.00005"	φ25/φ40	152.4	90/105	0.5	0.004
4511-9220	50-100 (50-63/62-75/75-88/87-100)	0.001/0.00005"	φ62/φ87	152.4	127	0.5	0.005

IP65 WATER PROOF DIGITAL THREE POINTS INSIDE MICROMETER

DIN 863 | IP65 COOLANT&FLUID RESISTANT | mm / in | Battery + CR2032

- Large LCD display with clear reading
- IP65 protection against liquid
- 3V Lithium battery CR2032
- With data output
- With carbide measuring face
- Setting rings for origin point setting
- With ratchet for constant measuring pressure
- Additional extensions can be added to increase the measuring depth (12mm above optional)
- Built in wireless data transmission (optional)
- For through holes and from up 12.5 mm for blind holes also
- Setting ring gauge not included for sizes above 100mm



Unit:mm

Code	Range	Setting Ring	Resolution	A	B	Accuracy
4711-7301	6-8	φ6	0.001/0.00005"	55	1	0.004
4711-7302	8-10	φ8	0.001/0.00005"	55	1.5	0.004
4711-7303	10-12	φ10	0.001/0.00005"	55	1.5	0.004
4711-7304	12-16	φ12	0.001/0.00005"	80	0.5	0.004
4711-7305	16-20	φ16	0.001/0.00005"	80	0.5	0.004
4711-7306	20-25	φ20	0.001/0.00005"	90	0.5	0.004
4711-7307	25-30	φ25	0.001/0.00005"	90	0.5	0.004
4711-7308	30-40	φ30	0.001/0.00005"	105	0.5	0.004
4711-7309	40-50	φ40	0.001/0.00005"	105	0.5	0.005
4711-7310	50-63	φ50	0.001/0.00005"	127	0.5	0.005
4711-7311	62-75	φ62	0.001/0.00005"	127	0.5	0.005
4711-7312	75-88	φ75	0.001/0.00005"	127	0.5	0.005
4711-7313	87-100	φ87	0.001/0.00005"	127	0.5	0.005
4711-8301	100-125	Optional	0.001/0.00005"	156	1	0.005
4711-8302	125-150	Optional	0.001/0.00005"	156	1	0.005
4711-8303	150-175	Optional	0.001/0.00005"	156	1	0.006
4711-8304	175-200	Optional	0.001/0.00005"	156	1	0.006
4711-8305	200-225	Optional	0.001/0.00005"	156	1	0.007
4711-8306	225-250	Optional	0.001/0.00005"	156	1	0.007
4711-8307	250-275	Optional	0.001/0.00005"	156	1	0.008
4711-8308	275-300	Optional	0.001/0.00005"	156	1	0.008
4711-8309	300-325	Optional	0.001/0.00005"	156	1	0.009
4711-8310	325-350	Optional	0.001/0.00005"	156	1	0.009

WITH WIRELESS SYSTEM:

Unit:mm

Code	Range	Setting Ring	Resolution	A	B	Accuracy
4711-2101	6-8	φ8	0.001/0.00005"	55	1	0.004
4711-2102	8-10	φ8	0.001/0.00005"	55	1.5	0.004
4711-2103	10-12	φ12	0.001/0.00005"	55	1.5	0.004
4711-2104	12-16	φ16	0.001/0.00005"	80	0.5	0.004
4711-2105	16-20	φ16	0.001/0.00005"	80	0.5	0.004
4711-2106	20-25	φ25	0.001/0.00005"	90	0.5	0.004
4711-2107	25-30	φ25	0.001/0.00005"	90	0.5	0.004
4711-2108	30-40	φ40	0.001/0.00005"	105	0.5	0.004
4711-2109	40-50	φ40	0.001/0.00005"	105	0.5	0.004
4711-2110	50-63	φ62	0.001/0.00005"	127	0.5	0.005
4711-2111	62-75	φ62	0.001/0.00005"	127	0.5	0.005
4711-2112	75-88	φ87	0.001/0.00005"	127	0.5	0.005
4711-2113	87-100	φ87	0.001/0.00005"	127	0.5	0.005
4711-3101	100-125	Optional	0.001/0.00005"	156	1	0.005
4711-3102	125-150	Optional	0.001/0.00005"	156	1	0.005
4711-3103	150-175	Optional	0.001/0.00005"	156	1	0.006
4711-3104	175-200	Optional	0.001/0.00005"	156	1	0.006
4711-3105	200-225	Optional	0.001/0.00005"	156	1	0.007
4711-3106	225-250	Optional	0.001/0.00005"	156	1	0.007
4711-3107	250-275	Optional	0.001/0.00005"	156	1	0.008
4711-3108	275-300	Optional	0.001/0.00005"	156	1	0.008
4711-3109	300-325	Optional	0.001/0.00005"	156	1	0.009
4711-3110	325-350	Optional	0.001/0.00005"	156	1	0.009

IP65 WATER PROOF DIGITAL 3 POINTS INSIDE MICROMETER SET

Unit:mm

Code	Range	Resolution	Setting Ring	Extension Rod	A	B	Accuracy
4711-4405	6-12	0.001/0.00005"	φ8/φ10	101.6	55	1/1.5	0.004
4711-4410	12-20	0.001/0.00005"	φ16	152.4	80	0.5	0.004
4711-4415	20-50	0.001/0.00005"	φ25/φ40	152.4	90/105	0.5	0.004
4711-4420	50-100	0.001/0.00005"	φ62/φ87	152.4	127	0.5	0.005

WITH WIRELESS SYSTEM SET

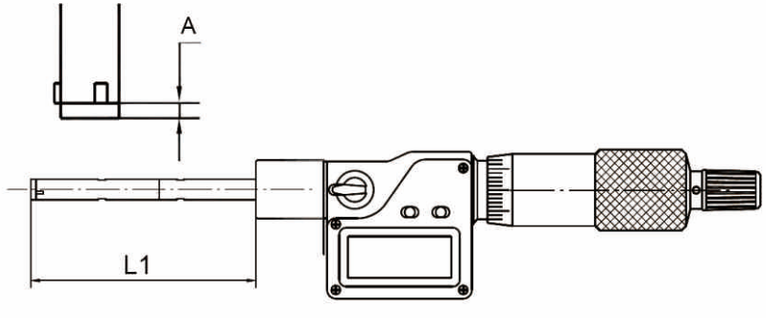
Unit:mm

Code	Range	Resolution	Setting Ring	Extension Rod	A	B	Accuracy
4711-1105	6-12	0.001/0.00005"	φ8/φ10	101.6	55	1/1.5	0.004
4711-1110	12-20	0.001/0.00005"	φ16	152.4	80	0.5	0.004
4711-1115	20-50	0.001/0.00005"	φ25/φ40	152.4	90/105	0.5	0.004
4711-1120	50-100	0.001/0.00005"	φ62/φ87	152.4	127	0.5	0.005

B

IP65 DIGITAL THREE POINTS INSIDE MICROMETER

mm/in | DIN 863 | Data output | IP65 COOLANT&FLUID RESISTANT | Battery + CR2032



- Standard extension rod
- Ratchet force measurement
- Large screen digital display, easy to read
- Heat treatment and precision grinding of the measuring rod
- Standard calibration ring gauge for ranges of 100mm and below
- Carbide measuring surface, product surface hard chrome plated
- IP65 protection level ensures that the product can work reliably in harsh environments
- The measuring range can be expanded by connecting an extension rod and a probe with a micrometer head
- Suitable for precision measurement of blind holes and through holes, equipped with an extension rod to measure deep hole dimensions

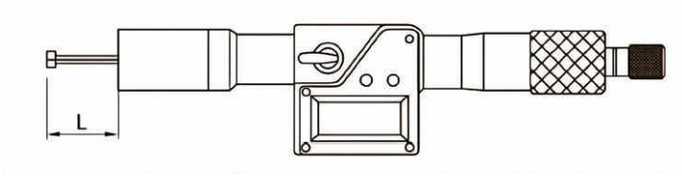
Unit:mm

Code	Range	Setting rings	Extension rod	L1	A	Accuracy
4711-7301-A	6-8mm	Φ6	100	55	1	0.004
4711-7302-A	8-10mm	Φ8	100	55	1.5	0.004
4711-7303-A	10-12mm	Φ10	100	55	1.5	0.004
4711-7304-A	12-16mm	Φ16	150	80	0.5	0.004
4711-7305-A	16-20mm	Φ16	150	80	0.5	0.004
4711-7306-A	20-25mm	Φ25	150	90	0.5	0.004
4711-7307-A	25-30mm	Φ25	150	90	0.5	0.004
4711-7308-A	30-40mm	Φ40	150	97	0.5	0.004
4711-7309-A	40-50mm	Φ40	150	97	0.5	0.005

Unit:mm

Code	Range	Setting rings	Extension rod	L1	A	Accuracy
4711-7310-A	50-63mm	Φ62	150	114	0.5	0.005
4711-7311-A	62-75mm	Φ62	150	114	0.5	0.005
4711-7312-A	75-88mm	Φ87	150	114	0.5	0.005
4711-7313-A	87-100mm	Φ87	150	114	0.5	0.005
4711-8301-A	100-125mm	Optional	150	114	0.5	0.005
4711-8302-A	125-150mm	Optional	150	150	0.5	0.005
4711-8303-A	150-175mm	Optional	150	150	0.5	0.005
4711-8304-A	175-200mm	Optional	150	150	0.5	0.005
4711-8305-A	200-225mm	Optional	150	150	0.5	0.007
4711-8306-A	225-250mm	Optional	150	150	0.5	0.007
4711-8307-A	250-275mm	Optional	150	150	0.5	0.007
4711-8308-A	275-300mm	Optional	150	150	0.5	0.007

IP65 DIGITAL THREE POINTS INSIDE MICROMETER



- Ratchet force measurement
- Equipped with calibration ring gauge
- Data can be transmitted via wire or wireless
- IP65 Protection against liquid and dust
- Suitable for precision measurement of blind holes and through holes
- Measuring range 2-6mm, two-point type, used to measure small hole carbide measuring surface

Unit:mm

Code	Range	Setting rings	L	Accuracy
4711-7405-A	2-2.5mm	Φ2.5	12.5	0.004
4711-7410-A	2.5-3mm	Φ2.5	12.5	0.004
4711-7415-A	3-4mm	Φ4	22.5	0.004
4711-7420-A	4-5mm	Φ5	22.5	0.004
4711-7425-A	5-6mm	Φ6	22.5	0.004

SETTING RING

- This setting ring is applicable for zero setting of inside micrometres, three points internal micrometres

Unit:mm

Code	Diameter
4411-5101-H-RG	ϕ6
4411-5102-H-RG	ϕ8
4411-5103-H-RG	ϕ10
4411-5104-H-RG	ϕ12
4411-5105-H-RG	ϕ16
4411-5106-H-RG	ϕ20
4411-5107-H-RG	ϕ25
4411-5108-H-RG	ϕ30
4411-5109-H-RG	ϕ40
4411-5110-H-RG	ϕ50
4411-5111-H-RG	ϕ62
4411-5112-H-RG	ϕ75
4411-5113-H-RG	ϕ87
4411-5114-H-RG	ϕ125
4411-5115-H-RG	ϕ175
4411-5116-H-RG	ϕ100

EXTENSION ROD

FOR 3 POINTS INSIDE MICROMETER

- This extension rod for 3 points inside micrometer

Unit:mm

Code	Size	Diameter	Model	Length
4411-0000	6-12mm	5.8	M5	100
4411-0005	12-20mm	11.8	M8	150
4411-0010	20-30mm	16	M10	150
4411-0015	30-50mm	23.4	M18	150
4411-0020	50-100mm	23.4	M21	150
4411-0025	over 100mm	23.4	M18	150

B

DIGITAL 3-POINT PISTOL BORE GAUGE

mm/in | DIN 863 | Battery + CR2032 | Absolute | Data output

- SPC data output
- Display can rotate 90°
- Absolute system
- 3V Lithium battery CR2032
- With carbide measuring face
- Setting rings for origin point setting
- 100mm unpaired calibration ring gauge
- Built in wireless data transmission (optional)
- Measuring contact points are designed to allow measurements near the bottom of blind holes

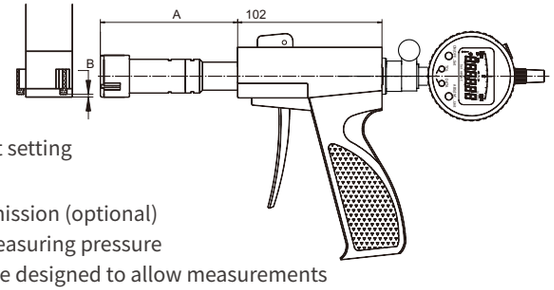
Unit:mm

Code	Range	Ring gauge	A	B	D	Accuracy
4600-0001-A	6-8/0.275-0.35"	φ8	55	1	φ5.8	0.004/0.00015"
4600-0002-A	8-10/0.35-0.425"	φ8	55	1.5	φ5.8	0.004/0.00015"
4600-0003-A	10-12/0.425-0.5"	φ12	55	1.5	φ5.8	0.004/0.00015"
4600-0004-A	12-16/0.5-0.65"	φ16	80	0.5	φ11.8	0.004/0.00015"
4600-0005-A	16-20/0.65-0.8"	φ16	80	0.5	φ11.8	0.004/0.00015"
4600-0006-A	20-25/0.8-1.0"	φ25	90	0.5	φ15.8	0.004/0.00015"
4600-0007-A	25-30/1.0-1.2"	φ25	90	0.5	φ15.8	0.004/0.00015"
4600-0008-A	30-40/1.2-1.6"	φ40	105	0.5	φ23.8	0.004/0.00015"
4600-0009-A	40-50/1.6-2.0"	φ40	105	0.5	φ23.8	0.005/0.0002"
4600-0010-A	50-63/2.0-2.5"	φ62	127	0.5	φ23.8	0.005/0.0002"
4600-0011-A	62-75/2.5-3.0"	φ62	127	0.5	φ23.8	0.005/0.0002"
4600-0012-A	75-88/3.0-3.5"	φ87	127	0.5	φ23.8	0.005/0.0002"
4600-0013-A	87-100/3.5-4.0"	φ87	127	0.5	φ23.8	0.005/0.0002"

DIGITAL 3-POINT PISTOL BORE GAUGE 100-300MM

mm/in | DIN 863 | Battery + CR2032 | Absolute | Data output

- Digital indicator is optional

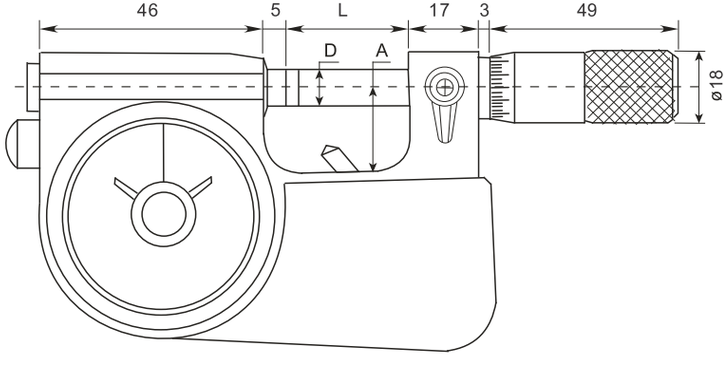


- Absolute Capacitor system
- 3V Lithium battery CR2032
- SPC data output
- Setting rings for origin point setting
- Display can rotate 90°
- Built in wireless data transmission (optional)
- With ratchet for constant measuring pressure
- Measuring contact points are designed to allow measurements near the bottom of blind holes With carbide measuring face
- Additional extensions can be added to increase the measuring depth (12mm above optional)

Unit:mm

Code	Range	Ring gauge	A	B	D	Accuracy
4600-0014	100-125/4-5.0"	Optional	156	1	φ25.5	0.005/0.0002"
4600-0015	125-150/5-6.0"	Optional	156	1	φ25.5	0.005/0.0002"
4600-0016	150-175/6-7.0"	Optional	156	1	φ25.5	0.006/0.00025"
4600-0017	175-200/7-8.0"	Optional	165	1	φ25.5	0.006/0.00025"
4600-0018	200-225/8-9.0"	Optional	156	1	φ25.5	0.007/0.0003"
4600-0019	225-250/9-10.0"	Optional	156	1	φ25.5	0.007/0.0003"
4600-0020	250-275/10-11.0"	Optional	156	1	φ25.5	0.008/0.0003"
4600-0021	275-300/11-12.0"	Optional	156	1	φ25.5	0.008/0.0003"

DIAL SNAP MICROMETER



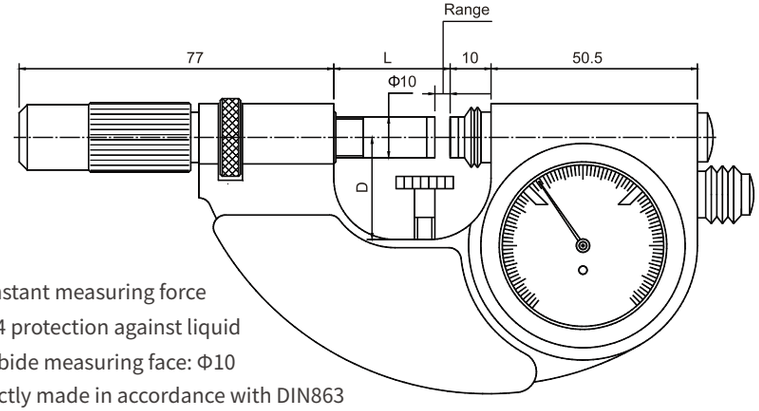
- Retractable anvils with indicator to quickly check go/no-go of mass-produced parts
- Spindle hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading for double-checking
- With spindle lock

Unit:mm

Code	Range	Graduation of Micrometer Head	Graduation of Indicator	A	D	L
4146-1005	0-25	0.002	0.001	19	φ6.5	28.5
4146-1010	25-50	0.002	0.001	30	φ6.5	53.5
4146-1015	50-75	0.002	0.001	45	φ6.5	78.5
4146-1020	75-100	0.002	0.001	57	φ6.5	103.5
4146-1000	0-25	0.002	0.001	19	φ8	28.5

DIAL SNAP GAUGE

IP54 COOLANT&FLUID RESISTANT



- Constant measuring force
- IP54 protection against liquid
- Carbide measuring face: Φ10
- Strictly made in accordance with DIN863
- Direct GO/NG judgement for mass produced parts
- Operating and display units antiglare with satin chrome finish
- Adjustable tolerance makers

Unit:mm

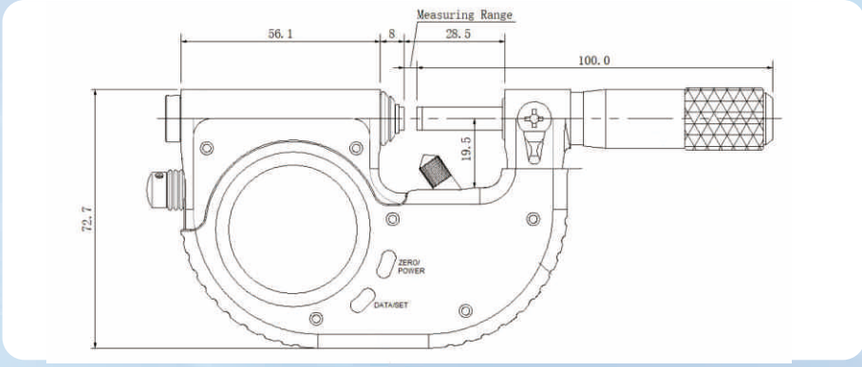
Code	Range	Graduation	L	D
4146-5105	0-25	0.001	28.5	25
4146-5110	25-50	0.001	53.5	35
4146-5115	50-75	0.001	78.5	47.5
4146-5120	75-100	0.001	103.5	60

DIGITAL INDICATING SNAP GAUGE

WITH DIAL & DIGITAL COMBINED

Efficient Measurement:

- Back to ZERO at the touch of the button
- Easy-to-Read: with Tolerance Alarm function with Dual display(Dial & Digit)
- Efficient Data Collection : Built-in Wireless Data. Transmission system
- Built-in Rechargeable Battery

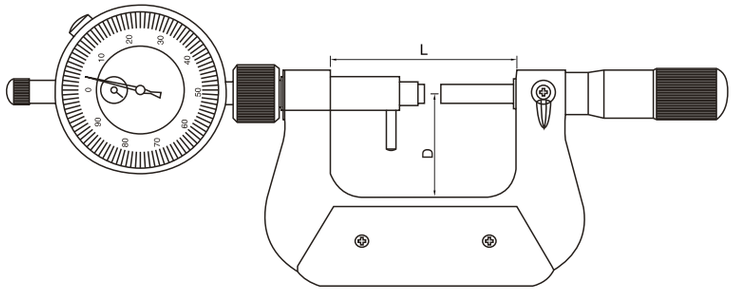


Unit:mm

Code	Range	Resolution	Accuracy	Data output
4146-5005	0-25	0.005	±0.001	/
4146-5010	25-50	0.005	±0.001	/
4146-5015	50-75	0.005	±0.001	/
4146-5020	75-100	0.005	±0.001	/
4146-5025	0-25	0.002	±0.001	/
4146-5030	25-50	0.002	±0.001	/
4146-5035	50-75	0.002	±0.001	/
4146-5040	75-100	0.002	±0.001	/
4146-5045	0-25	0.002	±0.001	Bluetooth
4146-5050	25-50	0.002	±0.001	Bluetooth
4146-5055	50-75	0.002	±0.001	Bluetooth
4146-5060	75-100	0.002	±0.001	Bluetooth
4146-5065	0-25	0.001	±0.001	Bluetooth
4146-5070	25-50	0.001	±0.001	Bluetooth
4146-5075	50-75	0.001	±0.001	Bluetooth
4146-5080	75-100	0.001	±0.001	Bluetooth

MICROMETER

WITH DIAL INDICATOR



- Uses dial indicator for direct GO/NG-GO judgment for mass-produced parts
- Anvil retracting trigger for quick measurement
- With a standard bar except for 0 - 25mm models

Unit:mm

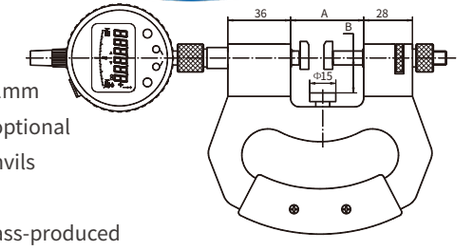
Code	Range	L	D	Graduation	Accuracy
4403-0005	0-25	67	38	0.01	0.004
4403-0010	25-50	92	50	0.01	0.004
4403-0015	50-75	118	62	0.01	0.005
4403-0020	75-100	143	70	0.01	0.005
4403-0025	100-125	168	82	0.01	0.006
4403-0030	125-150	192	95	0.01	0.006
4403-0035	150-175	217	107	0.01	0.007

DIGITAL SNAP GAUGE FOR GO/NOGO

WITHOUT INDICATOR

DIN 863

INDICATOR IS OPTIONAL



- Installing dimension is 8mm
- Travel of moving anvil:3mm
- Dimension of measuring face:14*11mm
- High prescision of dial indicator is optional
- Angles in the ends of the the two anvils for easy inserting works
- Used to measuring diameters of mass-produced cylinder and shfts

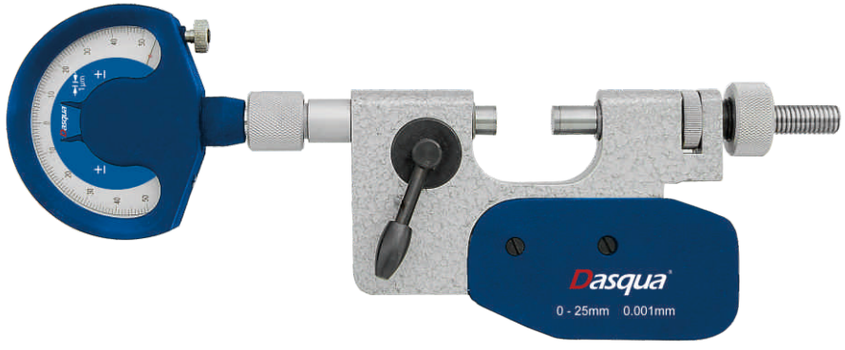
Unit:mm

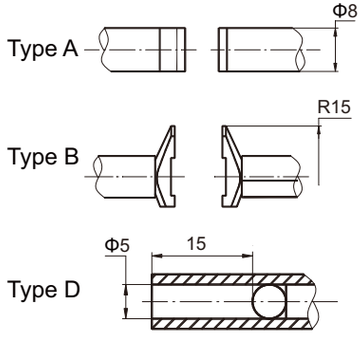
Code	Range	A	B
4147-4005	0-25mm	42	20.0
4147-4010	25-50mm	69	32.5
4147-4015	50-75mm	94	45.0
4147-4020	75-100mm	119	57.5
4147-4025	100-125mm	144	70.0
4147-4030	125-150mm	169	82.5
4147-4035	150-175mm	194	95.5
4147-4040	175-200mm	219	107.5
4147-4045	200-225mm	244	120.0
4147-4050	225-250mm	269	132.5
4147-4055	250-275mm	294	145.0
4147-4060	275-300mm	319	157.5

B

DIAL SNAP GAUGE FOR GO/NOGO

DIN 863





- Travel of moving anvil:3mm
- Used to measure mass-produced part
- High precision of dial indicator is optional
- Probes types: Type A\Type B and Type D
- Interchangeable anvils for type D(optional)

WITHOUT INDICATOR

Code	Range	Type
4147-2405	0-25mm	A
4147-2410	0-50mm	A
4147-2415	50-100mm	A
4147-2420	100-150mm	A
4147-2425	150-200mm	A
4147-2430	0-40mm	B
4147-2435	40-90mm	B
4147-2440	90-140mm	B
4147-2445	140-190mm	B
4147-2450	0-40mm	D
4147-2455	40-90mm	D
4147-2460	90-140mm	D
4147-2465	140-190mm	D

WITH INDICATOR

Unit:mm

Code	Range	Type
4147-3305	0-25mm	A
4147-3310	0-50mm	A
4147-3315	50-100mm	A
4147-3320	100-150mm	A
4147-3325	150-200mm	A
4147-3330	0-40mm	B
4147-3335	40-90mm	B
4147-3340	90-140mm	B
4147-3345	140-190mm	B
4147-3350	0-40mm	D
4147-3355	40-90mm	D
4147-3360	90-140mm	D
4147-3365	140-190mm	D

UNIVERSAL DIGITAL MICROMETER

DIN 863 | mm / in | Battery + Cr2032

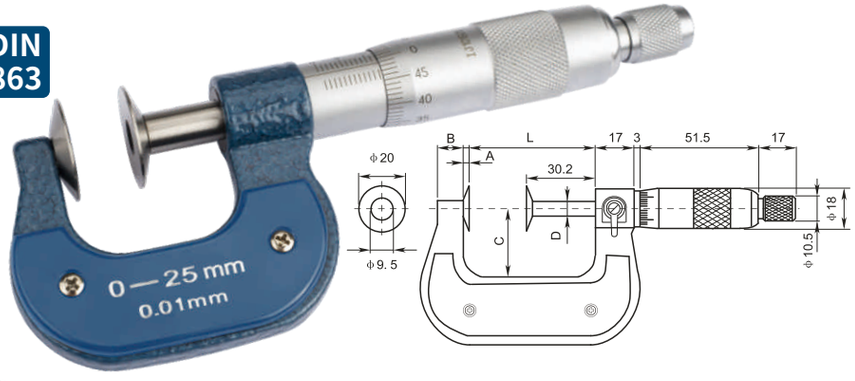
- 7 pairs of interchangeable anvils for universal use of measurement
- Strictly made in accordance with DIN863
- Spindle hardened, ground and lapped for ultimate accuracy
- Carbide measuring surfaces ground for longer service life
- With Absolute, Inch-Metric Conversion and Zero-Set function
- Stainless steel newly adapted on spindle
- With spindle lock

Unit:mm

Code	Range	Resolution
4210-2103	0-25/0-1"	0.001/0.00005"
4210-2106	25-50/1"-2"	0.001/0.00005"

DISC MICROMETER

DIN 863



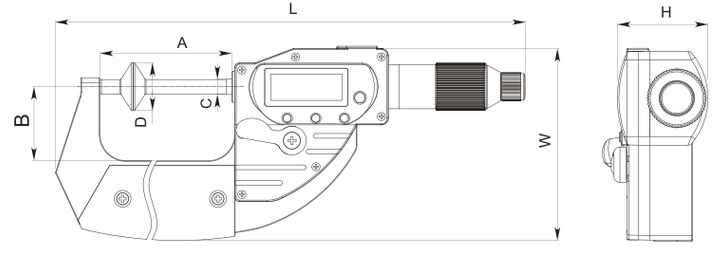
- Used to easily measure root tangent length of spur gears and helical gears
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With ratchet stop for constant force

Unit:mm

Code	Range*Graduation	L	A	B	C	D	Accuracy
4111-8102	0-25*0.01	33	2.8	7	24	φ6.5	0.004
4111-8104	25-50*0.01	58	2.8	11	30	φ6.5	0.004
4111-8106	50-75*0.01	83	2.8	11	42.5	φ6.5	0.005
4111-8108	75-100*0.01	108	2.8	11	55	φ6.5	0.005
4111-8620	100-125*0.01	133.5	6	11	67	8	0.006
4111-8625	125-150*0.01	158.5	6	11	80	8	0.006
4111-8630	150-175*0.01	183.5	6	11	92	8	0.007
4111-8635	175-200*0.01	208.5	6	11	104	8	0.007
4111-8640	200-225*0.01	233.5	6	11	116.5	8	0.008
4111-8645	225-250*0.01	258.5	6	11	129	8	0.008
4111-8650	250-275*0.01	283.5	6	11	141.5	8	0.009
4111-8655	275-300*0.01	308.5	6	11	154	8	0.009
4112-5102	0-1*0.001	33	2.8	7	24	φ6.5	0.0002"
4112-5104	1-2*0.001	58	2.8	11	30	φ6.5	0.0002"
4112-5106	2-3*0.001	83	2.8	11	42.5	φ6.5	0.00025"
4112-5108	3-4*0.001	108	2.8	11	55	φ6.5	0.00025"
4112-5111-A	4-5*0.001	133.5	6	11	67	φ8	0.00025"
4112-5112-A	5-6*0.001	158.5	6	11	80	φ8	0.00025"

DIGITAL QUICK-MOVE DISC MICROMETER

DIN 863 | mm/in | Battery + CR2032 | IP65 COOLANT&FLUID RESISTANT | WIRELESS TRANSMITTER | Absolute | Data output



- Used to easily measure root tangent length of spur gears and helical gears
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- IP65 protection against liquid
- With Absolute and Metric-Inch Conversion System
- With ratchet stop for constant force

Unit:mm

Code	Range	Resolution	A	B	C	D	L	W	H	Accuracy
4220-2104	0-25/0-1"	0.001/0.00005"	55.3	31	φ6.5	φ20	197.2	80.5	30.8	0.003/0.00015"
4220-2108	25-50/1-2"	0.001/0.00005"	80.3	44	φ6.5	φ20	227.5	96	30.8	0.003/0.00015"
4220-2112	50-75/2-3"	0.001/0.00005"	105.3	56	φ6.5	φ20	257.6	112.5	30.8	0.004/0.00015"

B

DIGITAL DISC MICROMETER

mm/in | DIN 863 | Battery + CR2032

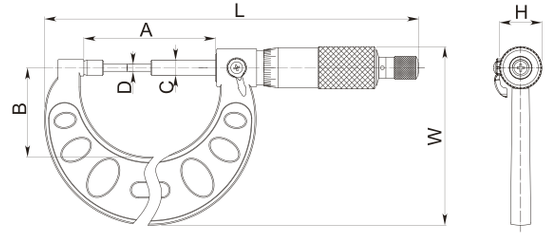
- Easy to measure tooth width of straight or bevel wheel, and small thickness
- Inside force-limited device for precise repeatable reading
- Spindle made of special steel to ensure high precision and stability

Unit:mm

Code	Range	Resolution	A	D	L	Accuracy
4320-2005	0-25mm	0.001	25	Φ6.5	31	±0.004
4320-2010	25-50mm	0.001	35	Φ6.5	56	±0.004
4320-2015	50-75mm	0.001	45	Φ6.5	81	±0.005
4320-2020	75-100mm	0.001	55	Φ6.5	106	±0.005

SPLINE MICROMETER

DIN 863



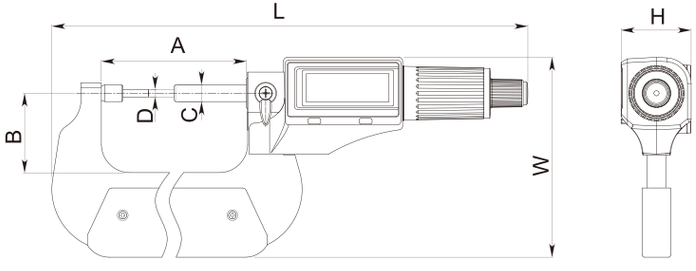
- Used to measure spline shafts, slots and keyways
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With ratchet stop for constant force

Unit:mm

Code	Range	Graduation	A	B	C	D	L	W	H	Accuracy
4710-1005	0-25	0.01	56	38	φ6.5	φ3.0	160	76	φ18	0.004/0.00015"
4710-1010	25-50	0.01	81	51	φ6.5	φ3.0	185.5	91	φ18	0.004/0.00015"
4710-1015	50-75	0.01	106	63.5	φ6.5	φ3.0	210.5	105	φ18	0.005/0.0002"
4710-1020	75-100	0.01	131	76	φ6.5	φ3.0	237.3	125	φ18	0.005/0.0002"
4710-2005	0-1"	0.001"	56	38	φ6.5	φ3.0	160	76	φ18	0.004/0.00015"
4710-2010	1-2"	0.001"	81	51	φ6.5	φ3.0	185.5	91	φ18	0.004/0.00015"
4710-2015	2-3"	0.001"	106	63.5	φ6.5	φ3.0	210.5	105	φ18	0.005/0.0002"
4710-2020	3-4"	0.001"	131	76	φ6.5	φ3.0	237.3	125	φ18	0.005/0.0002"
4710-2305	0-1"	0.0001"	56	38	φ6.5	φ3.0	160	76	φ18	0.004/0.00015"
4710-2310	1-2"	0.0001"	81	51	φ6.5	φ3.0	185.5	91	φ18	0.004/0.00015"
4710-2315	2-3"	0.0001"	106	63.5	φ6.5	φ3.0	210.5	105	φ18	0.005/0.0002"
4710-2320	3-4"	0.0001"	131	76	φ6.5	φ3.0	237.3	125	φ18	0.005/0.0002"

DIGITAL SPLINE MICROMETER

DIN 863 | Battery + CR2032 | mm / in



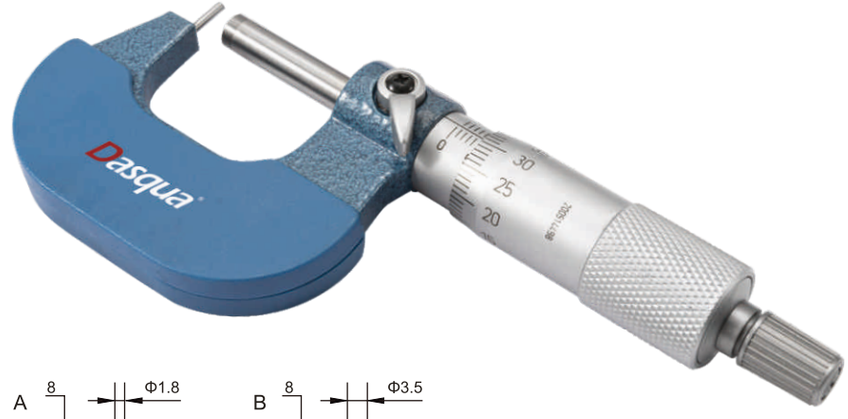
- Used to measure spline shafts, slots and keyways
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- With Absolute and Metric-Inch Conversion System
- With ratchet stop for constant force

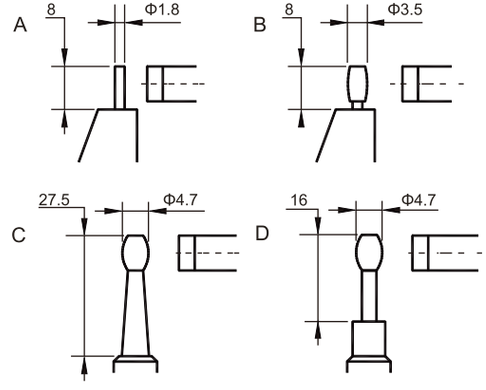
Unit:mm

Code	Range	Resolution	A	B	C	D	L	W	H	Accuracy
4720-2005	0-25/0-1"	0.001/0.00005"	56.5	31	φ6.5	φ3.0	185.4	77.9	27.3	0.003/0.00015"
4720-2010	25-50/1-2"	0.001/0.00005"	81.5	44	φ6.5	φ3.0	211.9	93.4	27.3	0.003/0.00015"
4720-2015	50-75/2-3"	0.001/0.00005"	107.1	56	φ6.5	φ3.0	239.9	111.4	27.3	0.004/0.00015"
4720-2020	75-100/3-4"	0.001/0.00005"	132	66	φ6.5	φ3.0	269.7	127.8	27.3	0.004/0.00015"

TUBE MICROMETER

DIN 863





- Strictly made in accordance with DIN863
- Used to measure wall thickness of various tubes
- With Carbide-tipped measuring faces
- With ratchet for constant measuring pressure

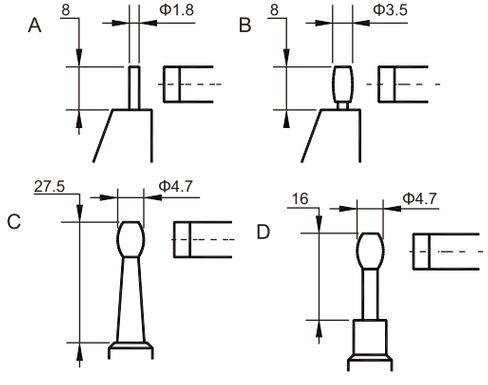
Unit:mm

Code	Range	Graduation	Type	Accuracy
4440-1005	0-25	0.01	Anvil Type A	0.006
4440-1010	0-25	0.01	Anvil Type B	0.006
4440-1015	0-25	0.01	Anvil Type C	0.006
4440-1020	0-25	0.01	Anvil Type D	0.006

B

DIGITAL TUBE MICROMETER

IP65 COOLANT&FLUID RESISTANT | mm / in | Battery + LR44 | Data output



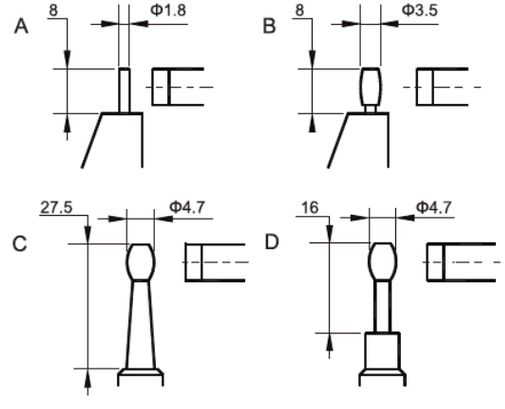
- Strictly made in accordance with DIN863
- Protection level IP65
- For measuring wall thickness of various tubes
- Carbide-tipped measuring faces
- With ratchet for constant measuring pressure

Unit:mm

Code	Range	Resolution	Type	Accuracy
4400-0005	0-25/0-1"	0.001/0.00005"	Anvil Type A	±0.003
4400-0010	0-25/0-1"	0.001/0.00005"	Anvil Type B	±0.003
4400-0015	0-25/0-1"	0.001/0.00005"	Anvil Type C	±0.003
4400-0020	0-25/0-1"	0.001/0.00005"	Anvil Type D	±0.003

TUBE MICROMETER

DIN 863



- Used to measure wall thickness of various tubes.
- Carbide-tipped measuring face
- Ratchet stop

Unit:mm

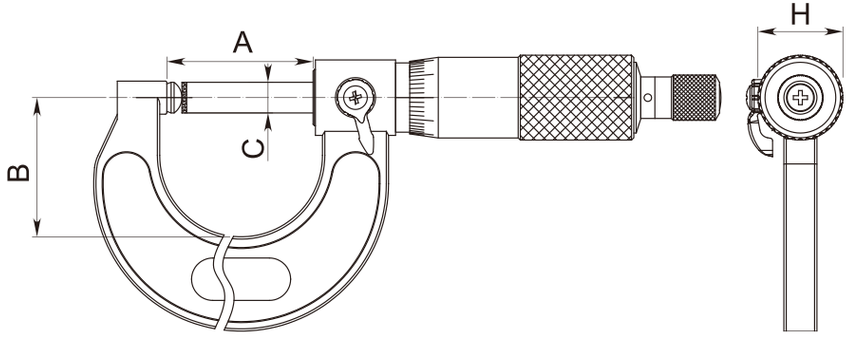
Code	Range	Type	Accuracy
4005-0135	0-25mm	Anvil Type A	0.006
4005-0140	0-25mm	Anvil Type B	0.006
4005-0145	0-25mm	Anvil Type C	0.006
4005-0150	0-25mm	Anvil Type D	0.006

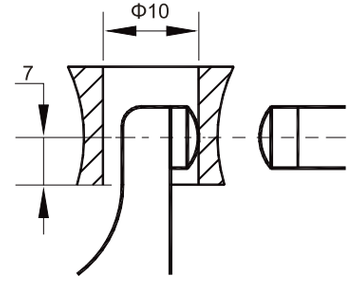
SPHERICAL ANVIL TUBE MICROMETER

DIN 863

• S-F : 4510-1005

• S-S : 4330-1005





- Used to measure wall thickness of tubes
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Style: S-F:Spherical anvil and flat spindle
  S-S:Spherical anvil and spherical spindle
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With ratchet stop for constant force

Unit:mm

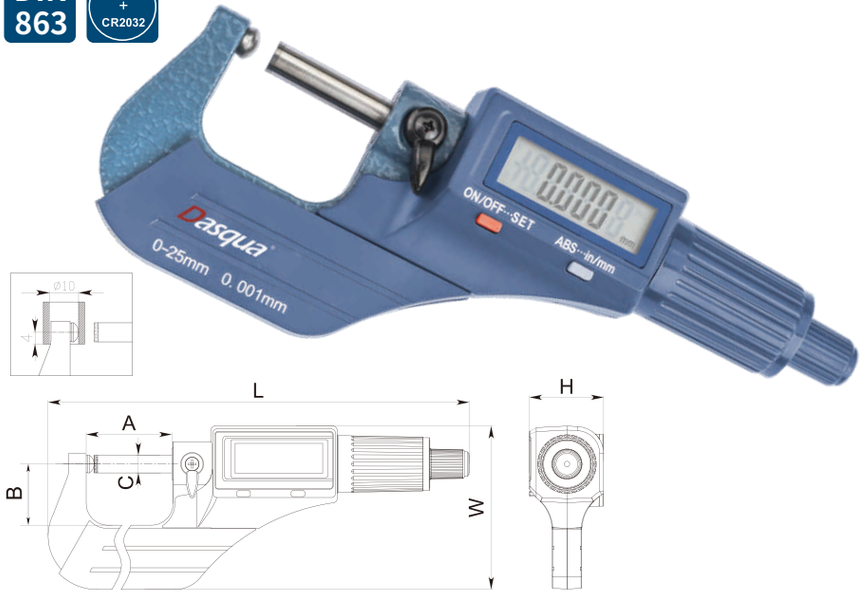
Code	Range	Graduation	A	B	C	H	Style	Accuracy
4510-1005	0-25	0.01	31	29.5	φ6.5	φ18	S-F	0.004
4510-1010	25-50	0.01	56	38	φ6.5	φ18	S-F	0.004
4510-1015	50-75	0.01	81	51	φ6.5	φ18	S-F	0.005
4510-1020	75-100	0.01	106	63.5	φ6.5	φ18	S-F	0.005
4510-2005	0-1"	0.001"	31	29.5	φ6.5	φ18	S-F	0.004
4510-2010	1-2"	0.001"	56	38	φ6.5	φ18	S-F	0.004
4510-2015	2-3"	0.001"	81	51	φ6.5	φ18	S-F	0.005
4510-2020	3-4"	0.001"	106	63.5	φ6.5	φ18	S-F	0.005
4510-2305	0-1"	0.0001"	31	29.5	φ6.5	φ18	S-F	0.004
4510-2310	1-2"	0.0001"	56	38	φ6.5	φ18	S-F	0.004
4510-2315	2-3"	0.0001"	81	51	φ6.5	φ18	S-F	0.005
4510-2320	3-4"	0.0001"	106	63.5	φ6.5	φ18	S-F	0.005
4330-1005	0-25	0.01	32	24	φ6.5	φ18	S-S	0.004
4330-1010	25-50	0.01	57	32	φ6.5	φ18	S-S	0.004
4330-1015	50-75	0.01	82	45	φ6.5	φ18	S-S	0.005
4330-1020	75-100	0.01	107	57	φ6.5	φ18	S-S	0.005

B

DIGITAL SPHERICAL ANVIL TUBE MICROMETER

DIN 863

Battery + CR2032



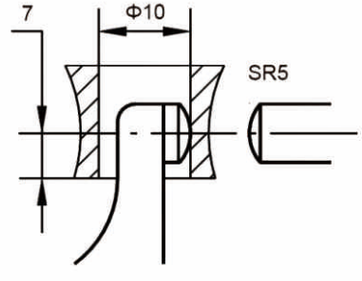
- Used to measure wall thickness of tubes
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- With Absolute and Metric-Inch Conversion System
- S-F:Spherical anvil and flat spindle
- S-S:Spherical anvil and spherical spindle

Unit:mm

Code	Range	Resolution	A	B	C	L	W	H	Accuracy	Type
4520-2005	0-25/0-1"	0.001/0.00005"	31.5	22.5	φ6.5	155	60.2	27.3	0.003/0.00015"	S-F
4520-2010	25-50/1-2"	0.001/0.00005"	56.5	31	φ6.5	185.4	77.9	27.3	0.003/0.00015"	S-F
4520-2015	50-75/2-3"	0.001/0.00005"	81.5	44	φ6.5	211.9	93.4	27.3	0.004/0.00015"	S-F
4520-2020	75-100/3-4"	0.001/0.00005"	107.1	56	φ6.5	239.9	111.4	27.3	0.004/0.00015"	S-F
4520-6405	0-25/0-1"	0.001/0.00005"	31.5	22.5	φ6.5	155	60.2	27.3	0.003/0.00015"	S-S
4520-6410	25-50/1-2"	0.001/0.00005"	56.5	31	φ6.5	185.4	77.9	27.3	0.003/0.00015"	S-S
4520-6415	50-75/2-3"	0.001/0.00005"	81.5	44	φ6.5	211.9	93.4	27.3	0.004/0.00015"	S-S
4520-6420	75-100/3-4"	0.001/0.00005"	107.1	56	φ6.5	239.9	111.4	27.3	0.004/0.00015"	S-S

IP65 DIGITAL TUBE MICROMETERS

WITH TWO SPHERICAL ANVIL



- Use to measure wall thickness of tube
- Carbide measuring surface
- Electronic display, scale display
- Ratchet measures force

Unit:mm

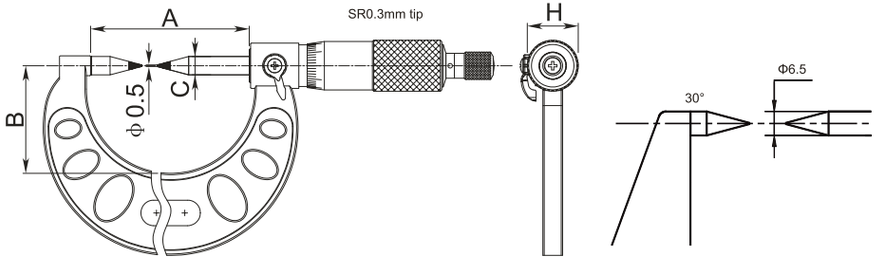
Code	Range	Accuracy
4520-6335	0-25mm	±0.002
4520-6340	25-50mm	±0.002
4520-6345	50-75mm	±0.003
4520-6350	75-100mm	±0.003

POINT MICROMETER

DIN 863

• S-S : 4610-1405
SR0.3

• F-F : 4610-1005
Φ0.5



- Used to measure the web thickness of drills, small grooves and other hard to reach dimensions
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- With ratchet stop for constant force
- Style: F-F:Flat Anvil and Flat Spindle
  S-S:Spherical Anvil and Spherical Spindle

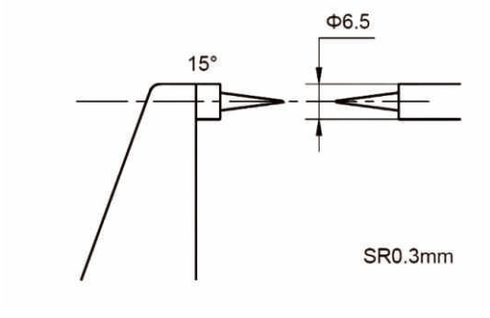
Unit:mm

Code	Range	Graduation	A	B	C	H	Style	Accuracy
4610-1005	0-25	0.01	56	38	φ6.5	φ18	F-F	0.004
4610-1010	25-50	0.01	81	51	φ6.5	φ18	F-F	0.004
4610-1015	50-75	0.01	106	63.5	φ6.5	φ18	F-F	0.005
4610-1020	75-100	0.01	131	76	φ6.5	φ18	F-F	0.005
4610-1405	0-25	0.01	57	32	φ6.5	φ18	S-S	0.004
4610-1410	25-50	0.01	82	45	φ6.5	φ18	S-S	0.004
4610-1415	50-75	0.01	107	57	φ6.5	φ18	S-S	0.005
4610-1420	75-100	0.01	133	70	φ6.5	φ18	S-S	0.005
4610-2005	0-1"	0.001"	56	38	φ6.5	φ18	S-S	0.004
4610-2010	1-2"	0.001"	81	51	φ6.5	φ18	S-S	0.004
4610-2015	2-3"	0.001"	106	63.5	φ6.5	φ18	S-S	0.005
4610-2020	3-4"	0.001"	131	76	φ6.5	φ18	S-S	0.005
4610-2305	0-1"	0.0001"	56	38	φ6.5	φ18	F-F	0.004
4610-2310	1-2"	0.0001"	81	51	φ6.5	φ18	F-F	0.004
4610-2315	2-3"	0.0001"	106	63.5	φ6.5	φ18	F-F	0.005
4610-2320	3-4"	0.0001"	131	76	φ6.5	φ18	F-F	0.005
4610-2505	0-1"	0.0001"	56	38	φ6.5	φ18	S-S	0.00015
4610-2510	1-2"	0.0001"	81	51	φ6.5	φ18	S-S	0.00015
4610-2515	2-3"	0.0001"	106	63.5	φ6.5	φ18	S-S	0.0002
4610-2520	3-4"	0.0001"	131	76	φ6.5	φ18	S-S	0.0002

B

POINT MICROMETER

WITH SR0.3 TIP



- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- Used to measure the web thickness of drills, small grooves and other hard to reach dimensions

Unit:mm

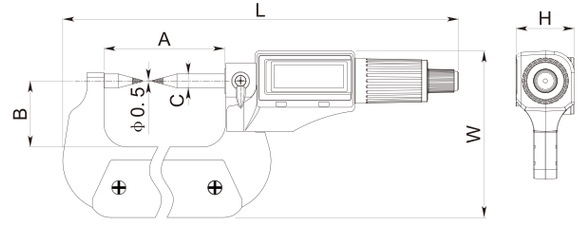
Code	Range	Accuracy
4610-1105	0-25mm	0.004
4610-1110	25-50mm	0.004
4610-1115	50-75mm	0.005
4610-1120	75-100mm	0.005

DIGITAL POINT MICROMETER

WITH SR0.3 TIP

DIN 863

Battery + CR2032



- Used to measure the web thickness of drills, small grooves and other hard to reach dimensions
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- With Absolute and Metric-Inch Conversion System
- With ratchet stop for constant force

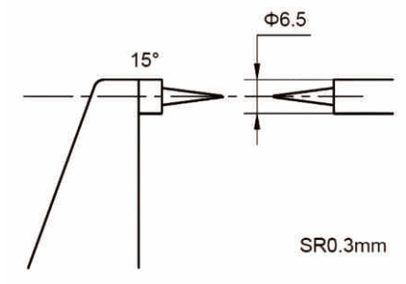
Unit:mm

Code	Range	Resolution	A	B	C	L	W	H	Accuracy
4620-5405	0-25/0-1"	0.001/0.00005"	56.5	31	φ6.5	185.4	77.9	φ27.3	0.003/0.00015"
4620-5410	25-50/1-2"	0.001/0.00005"	81.5	44	φ6.5	211.9	93.4	φ27.3	0.003/0.00015"
4620-5415	50-75/2-3"	0.001/0.00005"	107.1	56	φ6.5	239.9	111.4	φ27.3	0.004/0.00015"
4620-5420	75-100/3-4"	0.001/0.00005"	132	66	φ6.5	269.7	127.8	φ27.3	0.004/0.00015"

DIGITAL POINT MICROMETER

WITH SR0.3 TIP

Absolute | mm / in | DIN 863 | Data output | IP65 COOLANT&FLUID RESISTANT | Battery + CR2032



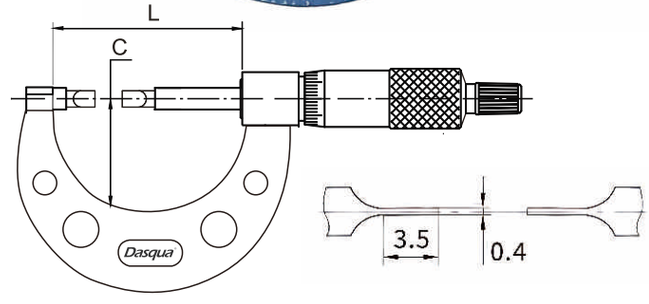
- Used to measure the dimensions that are difficult to measure, such as drill grooves
- Carbide measuring surface
- Electronic display, scale display
- Ratchet force measurement

Unit:mm

Code	Range	Resolution	Accuracy
4620-5105	0-25mm/0-1"	0.001mm/0.00005"	±0.002mm
4620-5110	25-50mm/1-2"	0.001mm/0.00005"	±0.002mm
4620-5115	50-75mm/2-3"	0.001mm/0.00005"	±0.003mm
4620-5120	75-100mm/3-4"	0.001mm/0.00005"	±0.003mm

BLADE MICROMETER

DIN 863



- Used to measure non-rotating spindle with blade type measuring face
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy

Unit:mm

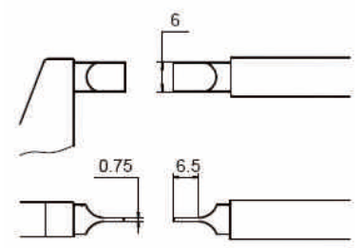
Code	Range	Graduation	C	L
4570-1005	0-25	0.01	32	57
4570-1010	25-50	0.01	45	82
4570-1015	50-75	0.01	57	107
4570-1020	75-100	0.01	70	133
4570-1025	100-125	0.01	82	159
4570-1030	125-150	0.01	95	184
4570-2005	0-1"-0.001"	0.001"	32	57
4570-2010	1-2"-0.001"	0.001"	45	82
4570-2015	2-3"-0.001"	0.001"	57	107
4570-2020	3-4"-0.001"	0.001"	70	133
4570-2025	4-5"-0.001"	0.001"	82	159
4570-2030	5-6"-0.001"	0.001"	95	184

B

BLADE MICROMETERS

WITH NON-ROTATING SPINDLE

DIN 863



- 4570-6035~4570-6060 4571-2035~4571-2060

- 4570-4005~4570-6030 4571-2005~4571-2030

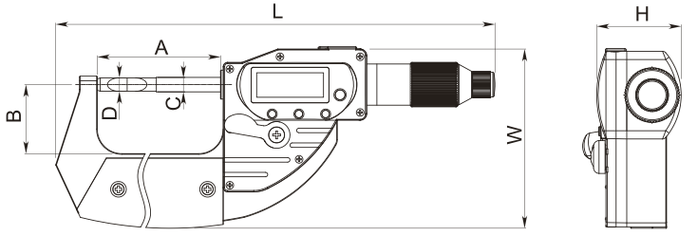
- Used to measure non-rotating spindle with blade type measuring face
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Blade thickness is 0.75mm

Unit:mm

Code	Range	Resolution	Accuracy
4570-4005	0-25mm	0.01mm	0.004mm
4570-4010	25-50mm	0.01mm	0.004mm
4570-4015	50-75mm	0.01mm	0.005mm
4570-4020	75-100mm	0.01mm	0.005mm
4570-4025	100-125mm	0.01mm	0.006mm
4570-4030	125-150mm	0.01mm	0.007mm
4570-6005	0-1"	0.001"	0.00015"
4570-6010	1-2"	0.001"	0.00015"
4570-6015	2-3"	0.001"	0.0002"
4570-6020	3-4"	0.001"	0.0002"
4570-6025	4-5"	0.001"	0.00025"
4570-6030	5-6"	0.001"	0.00025"
4570-6035	6-7"	0.001"	0.00025"
4570-6040	7-8"	0.001"	0.00025"
4570-6045	8-9"	0.001"	0.0003"
4570-6050	9-10"	0.001"	0.0003"
4570-6055	10-11"	0.001"	0.00035"
4570-6060	11-12"	0.001"	0.00035"
4571-2005	0-1"	0.0001"	0.00015"
4571-2010	1-2"	0.0001"	0.00015"
4571-2015	2-3"	0.0001"	0.0002"
4571-2020	3-4"	0.0001"	0.0002"
4571-2025	4-5"	0.0001"	0.00025"
4571-2030	5-6"	0.0001"	0.00025"
4571-2035	6-7"	0.0001"	0.00025"
4571-2040	7-8"	0.0001"	0.00025"
4571-2045	8-9"	0.0001"	0.0003"
4571-2050	9-10"	0.0001"	0.0003"
4571-2055	10-11"	0.0001"	0.00035"
4571-2060	11-12"	0.0001"	0.00035"

DIGITAL QUICK-MOVE BLADE MICROMETER

mm/in | DIN 863 | WIRELESS TRANSMITTER | Data output | IP65 COOLANT&FLUID RESISTANT | Absolute | Battery + CR2032



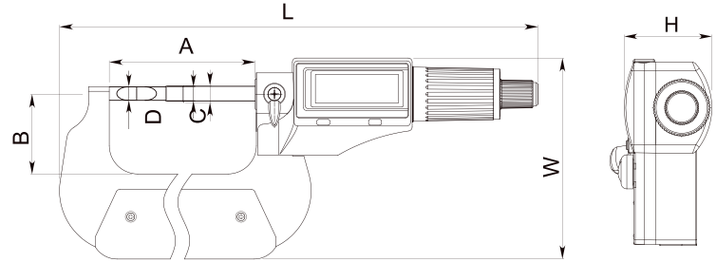
- Used to measure non-rotating spindle with blade type measuring face
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- With Absolute and Metric-Inch Conversion System
- With ratchet stop for constant force

Unit:mm

Code	Range	Resolution	A	B	C	D	L	W	H	Accuracy
4220-2103	0-25/0-1"	0.001/0.00005"	55.3	31	φ6.5	φ6	197.2	80.5	30.8	0.003/0.00015"
4220-2106	25-50/1-2"	0.001/0.00005"	80.3	44	φ6.5	φ6	227.5	96	44	0.003/0.00015"
4220-2109	50-75/2-3"	0.001/0.00005"	105.3	56	φ6.5	φ6	257.6	112.5	56	0.004/0.00015"

DIGITAL BLADE MICROMETER

DIN 863 | Battery + CR2032 | mm/in



- Used to measure non-rotating spindle with blade type measuring face
- Stainless steel newly adapted on spindle
- Strictly made in accordance with DIN863
- Spindle thread hardened, ground and lapped for ultimate accuracy
- With Absolute and Metric-Inch Conversion System

Unit:mm

Code	Range	Resolution	A	B	C	D	L	W	H	Accuracy
4570-5005	0-25/0-1"	0.001/0.00005"	55.3	31	φ6.5	φ6	197.2	80.5	30.8	0.003/0.00015"
4570-5010	25-50/1-2"	0.001/0.00005"	80.3	44	φ6.5	φ6	227.5	96	30.8	0.003/0.00015"
4570-5015	50-75/2-3"	0.001/0.00005"	105.3	56	φ6.5	φ6	257.6	112.5	30.8	0.004/0.00015"
4570-5020	75-100/3-4"	0.001/0.00005"	132	66	φ6.5	φ6	269.7	127.8	30.8	0.004/0.00015"

B

GEAR MICROMETER

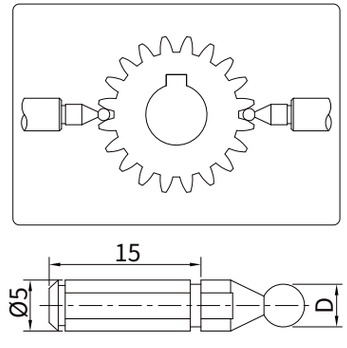
WITHOUT ANVILS

DIN 863

- Interchangeable ball tips for various gear modules (0.6~3.5) are optional
- Strictly made in accordance with DIN863
- With ratchet for constant measuring pressure

ANVILS FOR BOTH MECHANIC AND DIGITAL GEAR MICROMETER

Code	Ball dia.(D)	Module	Dia. Pitch	Remark
4560-0001	sφ1.0mm	0.6-0.65	45	anvil available for both mechanical and digital
4560-0002	sφ1.5mm	0.9-1.0	28-26	
4560-0003	sφ2.0mm	1.25	22	
4560-0004	sφ2.5mm	1.5	17	
4560-0005	sφ3.0mm	1.75	15	
4560-0006	sφ3.5mm	2	13	
4560-0007	sφ4.0mm	2.25	11	
4560-0008	sφ4.5mm	2.5	10	
4560-0009	sφ5.0mm	2.75	9	
4560-0010	sφ6.0mm	3.5	7	
4560-0011	Set Including all above			



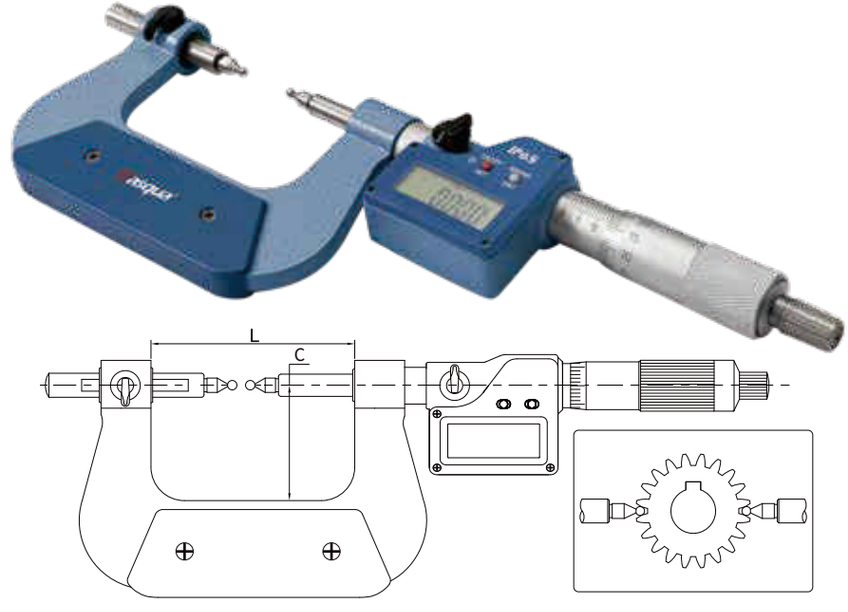
Unit:mm

Code	Range	Graduation	C	L	Accuracy
4550-1005	0-25	0.01	38	67	0.004
4550-1010	25-50	0.01	50	92	0.004
4550-1015	50-75	0.01	62	118	0.005
4550-1020	75-100	0.01	70	143	0.005
4550-1025	100-125	0.01	82	168	0.006
4550-1030	125-150	0.01	95	192	0.006

DIGITAL GEAR MICROMETER

WITHOUT ANVILS

IP65 COOLANT&FLUID RESISTANT | mm/in | Battery + LR44 | Data output



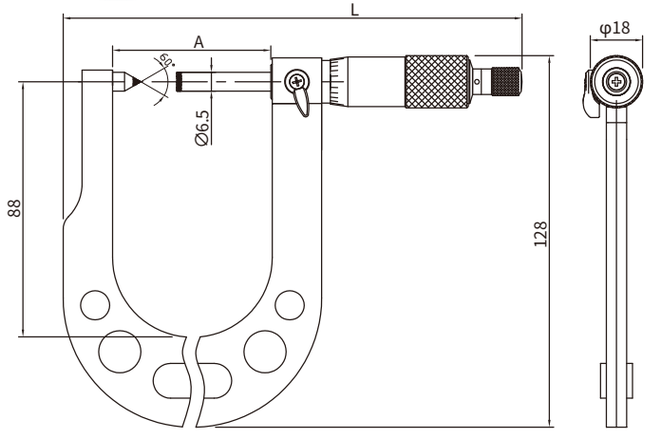
- Strictly made in accordance with DIN863
- Used to measure over-pin diameter of external gears
- Interchangeable ball tips for various gear modules (0.6~3.5) are optional.
- IP65 protection against liquid
- With ratchet for constant measuring pressure

Unit:mm

Code	Range	Resolution	C	L	Accuracy
4570-0005	0-25/0-1"	0.001/0.00005"	38	67	±0.002
4570-0010	25-50/1-2"	0.001/0.00005"	50	92	±0.002
4570-0015	50-75/2-3"	0.001/0.00005"	62	118	±0.003
4570-0020	75-100/3-4"	0.001/0.00005"	70	143	±0.003
4570-0025	100-125/4-5"	0.001/0.00005"	82	168	±0.003
4570-0030	125-150/5-6"	0.001/0.00005"	95	192	±0.003

DISK BRAKE MICROMETER

DIN 863



- Strictly made in accordance with DIN863
- To measure brake disc thickness in car
- With carbide measuring face
- With ratchet for constant measuring force

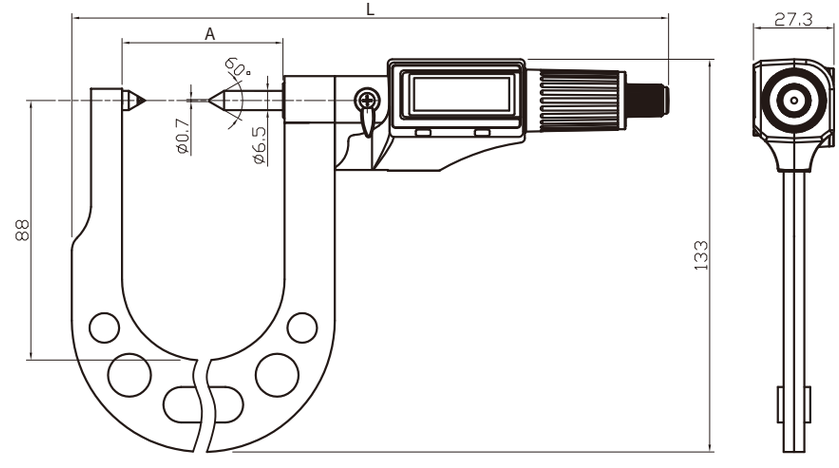
Unit:mm

Code	Range	Graduation	A	L	Accuracy
4521-0005	7-32	0.01	44.5	148	0.004
4521-0010	10-45	0.01	54.5	158	0.004
4521-0015	0.25-1.3"	0.0001"	44.5	148	0.00015"
4521-0020	0.7-1.7"	0.0001"	54.5	158	0.00015"

DIGITAL DISK BRAKE MICROMETER

mm / in

Battery + CR2032



- Strictly made in accordance with DIN863
- With incremental capacity measurement system
- With carbide measurement surface
- Adapt to measuring the dimension that is not easy to measure

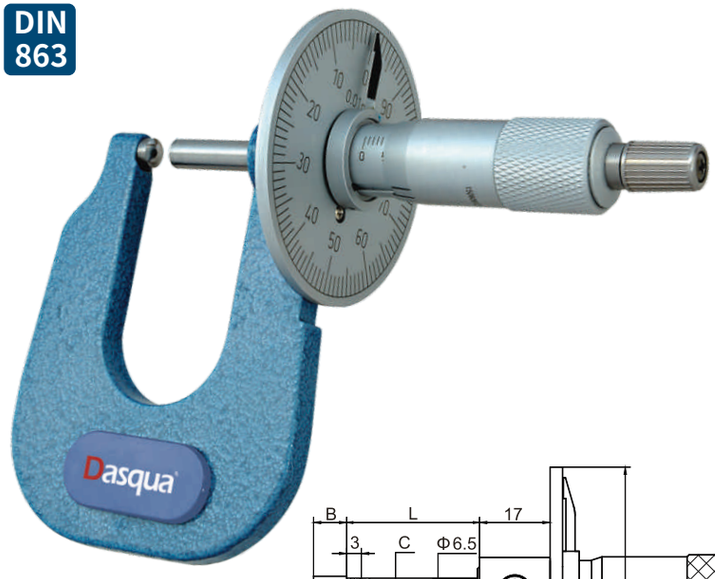
Unit:mm

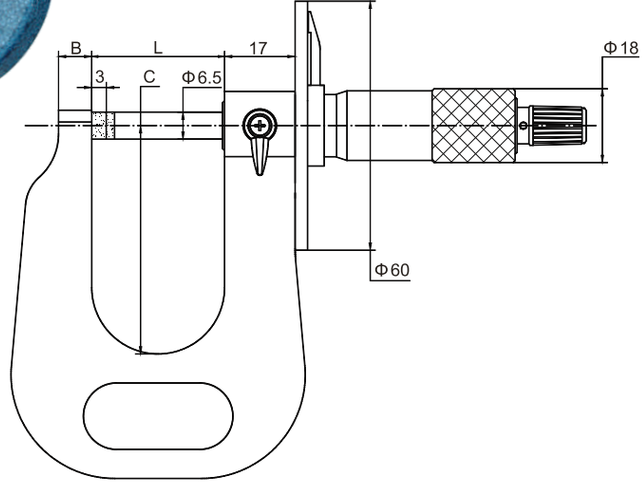
Code	Range	Resolution	A	L	Accuracy
4520-1005	7-32/0.3-1.3"	0.001/0.00005"	44.5	192	0.004/0.0002"
4520-1010	18-43/0.7-1.7"	0.001/0.00005"	54.5	202	0.004/0.0002"

B

SHEET METAL MICROMETER

DIN 863





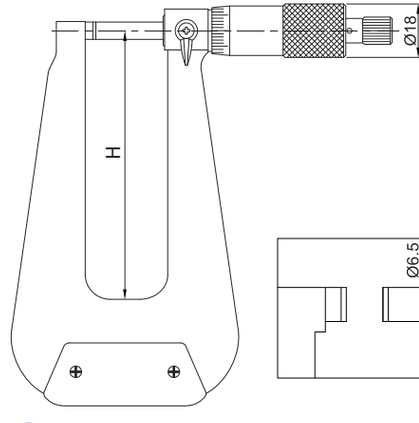
- Strictly made in accordance with DIN863
- A dial is attached to the sleeve for making easy and quick reading of sheet metal thickness
- With carbide measuring face
- With ratchet for constant measuring force

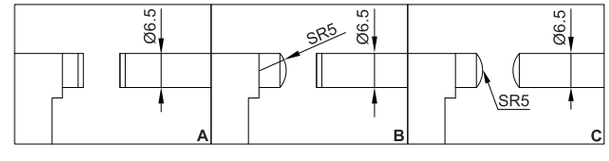
Unit:mm

Code	Range	Graduation	L	B	C	Accuracy
4731-0005	0-15	0.01	22	8	50	0.004
4731-0010	0-25	0.01	32	8	50	0.004
4731-0015	0-50	0.01	57	12	100	0.005

SHEET METAL MICROMETER

DIN 863





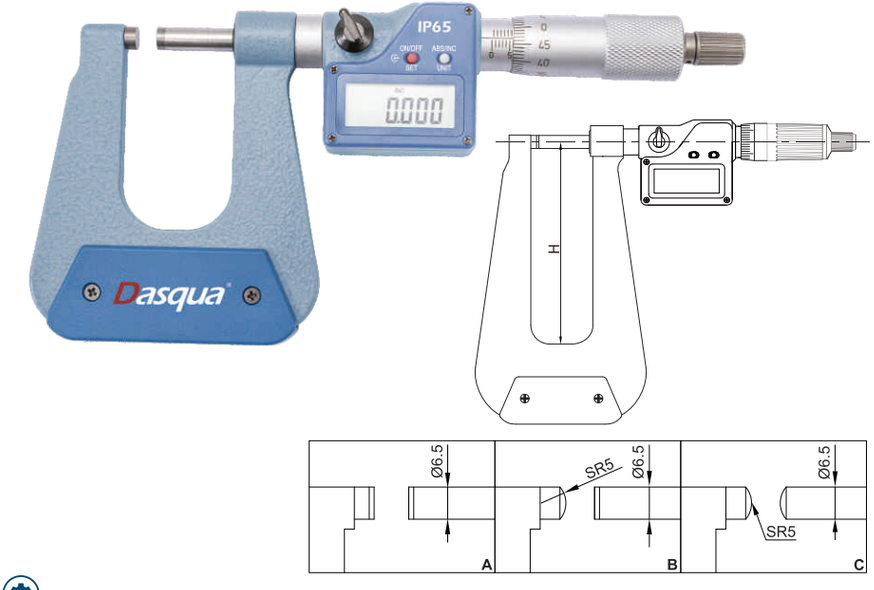
- Strictly made in accordance with DIN863
- Deep throat frame for measuring thickness of sheet metal, paper, plastic and rubber parts
- With carbide measuring face
- With ratchet for constant measuring force

Unit:mm

Code	Range	Graduation	H	Style	Accuracy
4561-1005	0-25	0.01	150	A	0.006
4561-1010	0-25	0.01	150	B	0.006
4561-1015	0-25	0.01	150	C	0.006
4561-1020	0-25	0.01	300	B	0.007

DIGITAL SHEET METAL MICROMETER

IP65 COOLANT&FLUID RESISTANT | mm / in | Battery + LR44 | Data output



- Strictly made in accordance with DIN863
- Deep throat frame for measuring thickness of sheet metal, paper,plastic, and rubber parts
- With carbide measuring face
- With ratchet for constant measuring pressure
- IP65 protection against liquid

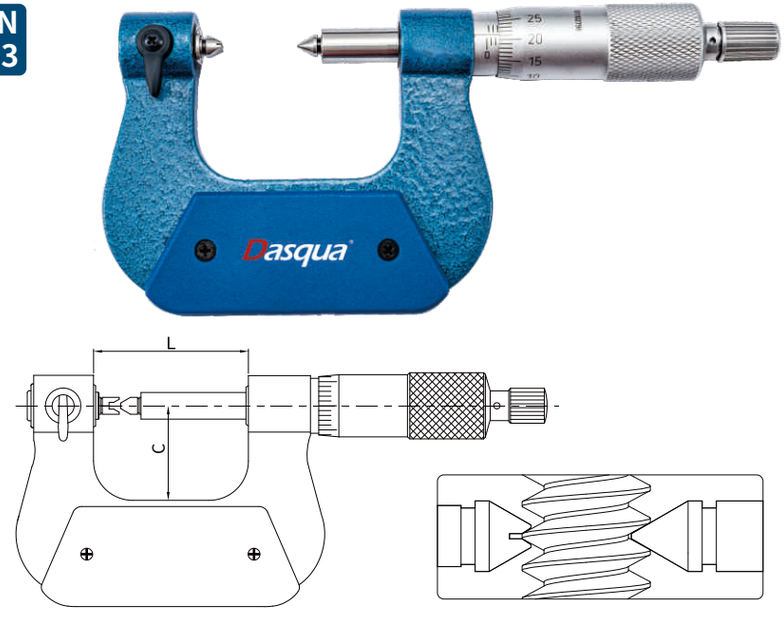
Unit:mm

Code	Range	Resolution	H	Style	Accuracy
4560-4005	0-25/0-1"	0.001/0.00005"	150	A	±0.003
4560-4010	0-25/0-1"	0.001/0.00005"	150	B	±0.003
4560-4015	0-25/0-1"	0.001/0.00005"	150	C	±0.003
4560-4020	0-25/0-1"	0.001/0.00005"	300	B	±0.004
4560-4025	25-50/0-1"	0.001/0.00005"	150	A	±0.003
4560-4030	25-51/0-1"	0.001/0.00005"	150	B	±0.003
4560-4035	25-52/0-1"	0.001/0.00005"	150	C	±0.003
4560-4040	25-53/0-1"	0.001/0.00005"	300	B	±0.004

SCREW THREAD MICROMETER

ROTATING SPINDLE TYPE WITH ANVILS

DIN 863



- Strictly made in accordance with DIN863
- Used for external thread measurements
- 60°or 55° V-shaped and con-shaped anvils (interchangeable) are available
- Dimension of anvil-tail: Φ5X15mm
- With ratchet for constant measuring pressure

Unit:mm

Code	Range	Graduation	L	C	Accuracy
4107-1005	0-25	0.01	42	26	0.004
4107-1010	25-50	0.01	67	38	0.004
4107-1015	50-75	0.01	92	50	0.005
4107-1020	75-100	0.01	118	62	0.005
4107-1025	100-125	0.01	143	70	0.006
4107-3005	0-1"	0.01	42	26	0.004
4107-3010	1-2"	0.01	67	38	0.004
4107-3015	2-3"	0.01	92	50	0.005
4107-3020	3-4"	0.01	118	62	0.005

B

IP65 DIGITAL SCREW THREAD MICROMETER

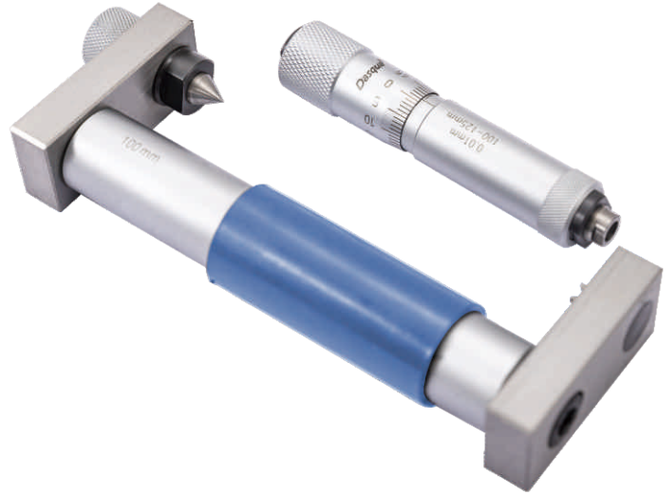
WITH INTERCHANGEABLE ANVIL AND SPINDLE TIPS

- Strictly made in accordance with DIN863
- Used for external thread measurements
- 60"or 55°V-shaped and con-shaped anvils (interchangeable) are available
- Dimension of anvil-tail: Φ5X15mm
- With ratchet for constant measuring pressure
- Protection level IP65

Unit:mm

Code	Range	Accuracy
4117-0005	0-25mm	±0.002
4117-0010	25-50mm	±0.002
4117-0015	50-75mm	±0.002
4117-0020	75-100mm	±0.003
4167-1005	0-1"	±0.002
4167-1010	1-2"	±0.002
4167-1015	2-3"	±0.002
4167-1020	3-4"	±0.003

TUBULAR INSIDE SCREW THREAD MICROMETER



- Operating and display units antiglare with satin chrome finish
- Measuring head and End piece with mounting bore for interchangeable anvils
- Rigid, lightweight tubular construction
- Interchangeable extensions with cylindrical gauge rods which are spring-mounted in protective sleeve for the extension of the measuring range
- Protection sleeve has a satin chrome finish
- Without screw thread heads, which can be found and ordered in page B54

Unit:mm

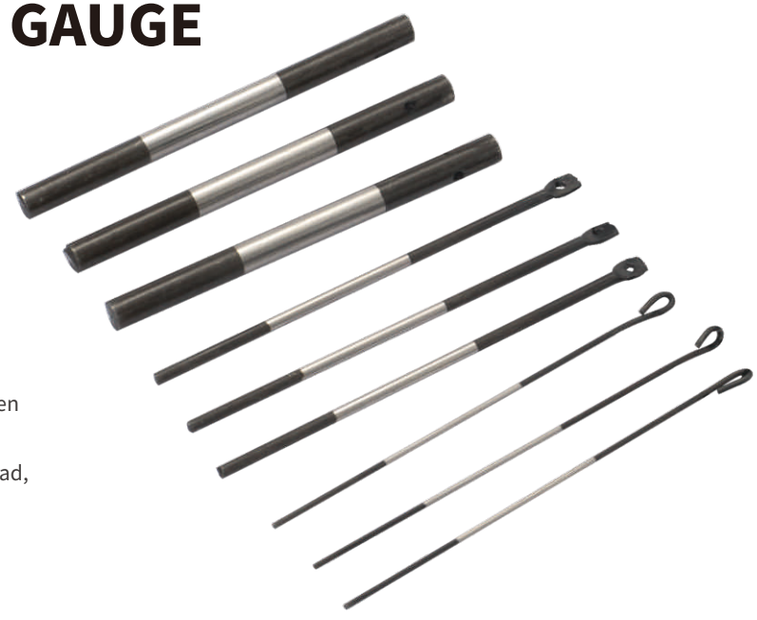
Code	Range	Graduation	Accuracy
4321-0001	75-100	0.01	0.03
4321-0002	100-125	0.01	0.03
4321-0003	125-150	0.01	0.03
4321-0004	150-175	0.01	0.03
4321-0005	175-200	0.01	0.04
4321-0006	200-225	0.01	0.04
4321-0007	225-250	0.01	0.04
4321-0008	250-275	0.01	0.04
4321-0009	275-300	0.01	0.05

ANVILS FOR TUBULAR INSIDE SCREW THREAD MICROMETER

Unit:mm

Code	Thread type	Pitch	Remark
4561-2001	Metric 60°	0.4-0.5/64-48TPI	anvil available for: 4321-0001 4321-0002 4321-0003 4321-0004 4321-0005 4321-0006 4321-0007 4321-0008 4321-0009
4561-2002	Metric 60°	0.6-0.9/44-28TPI	
4561-2003	Metric 60°	1-1.75/24-14TPI	
4561-2004	Metric 60°	2-3/13-9TPI	
4561-2005	Metric 60°	3.5-5/8-5TPI	
4561-2006	Metric 60°	5.5-7/4.5-3.5TPI	
4561-3501	Whitworth 55°	60-48TPI	
4561-3502	Whitworth 55°	48-40TPI	
4561-3503	Whitworth 55°	40-32TPI	
4561-3504	Whitworth 55°	32-24TPI	
4561-3505	Whitworth 55°	24-18TPI	
4561-3506	Whitworth 55°	18-14TPI	
4561-3507	Whitworth 55°	14-10TPI	
4561-3508	Whitworth 55°	10-7TPI	
4561-3509	Whitworth 55°	7-4.5TPI	
4561-3510	Whitworth 55°	4.5-3.5TPI	

PITCH DIAMETER GAUGE



- Designed to be suspended over a test specimen Pin gauges are the most reliable tools for measuring the pitch diameter of external thread, which is the most important dimension in a screw thread.
- A set is consisting of 3 pin gauges

Unit:mm

Code		Size	Code		Size	Code		Size
Grade 0 ± 0.00025	Grade 1 ± 0.0005		Grade 0 ± 0.00025	Grade 1 ± 0.0005		Grade 0 ± 0.00025	Grade 1 ± 0.0005	
4090-7730	4091-5510	φ0.118	4090-7747	4091-5527	φ1.008	4090-7765	4091-5545	φ3.177
4090-7731	4091-5511	φ0.142	4090-7748	4091-5528	φ1.047	4090-7766	4091-5546	φ3.287
4090-7732	4091-5512	φ0.170	4090-7749	4091-5529	φ1.157	4090-7767	4091-5547	φ3.310
4090-7733	4091-5513	φ0.185	4090-7750	4091-5530	φ1.302	4090-7768	4091-5548	φ3.550
4090-7782	4091-5562	φ0.210	4090-7751	4091-5531	φ1.411	4090-7769	4091-5549	φ3.580
4090-7734	4091-5514	φ0.232	4090-7752	4091-5532	φ1.553	4090-7770	4091-5550	φ3.666
4090-7735	4091-5515	φ0.250	4090-7753	4091-5533	φ1.591	4090-7771	4091-5551	φ4.091
4090-7736	4091-5516	φ0.260	4090-7754	4091-5534	φ1.732	4090-7772	4091-5552	φ4.120
4090-7737	4091-5517	φ0.291	4090-7755	4091-5535	φ1.833	4090-7773	4091-5553	φ4.141
4090-7738	4091-5518	φ0.343	4090-7756	4091-5536	φ2.020	4090-7774	4091-5554	φ4.211
4090-7739	4091-5519	φ0.402	4090-7757	4091-5537	φ2.050	4090-7775	4091-5555	φ4.400
4090-7740	4091-5520	φ0.433	4090-7758	4091-5538	φ2.071	4090-7776	4091-5556	φ4.773
4090-7741	4091-5521	φ0.461	4090-7759	4091-5539	φ2.217	4090-7777	4091-5557	φ5.150
4090-7742	4091-5522	φ0.511	4090-7760	4091-5540	φ2.311	4090-7778	4091-5558	φ5.176
4090-7743	4091-5523	φ0.572	4090-7761	4091-5541	φ2.595	4090-7779	4091-5559	φ5.493
4090-7744	4091-5524	φ0.724	4090-7762	4091-5542	φ2.866	4090-7780	4091-5560	φ6.212
4090-7745	4091-5525	φ0.796	4090-7763	4091-5543	φ2.886	4090-7781	4091-5561	φ6.585
4090-7746	4091-5526	φ0.866	4090-7764	4091-5544	φ3.106			

B

THREAD MEASURING WIRE SET

- 48 pieces 16 different sizes for all 60 threads
- 3 wire method of measuring external threads
- Measures all threads from 3 to 48 threads per inch and all metric from 0.5mm to 6mm pitch

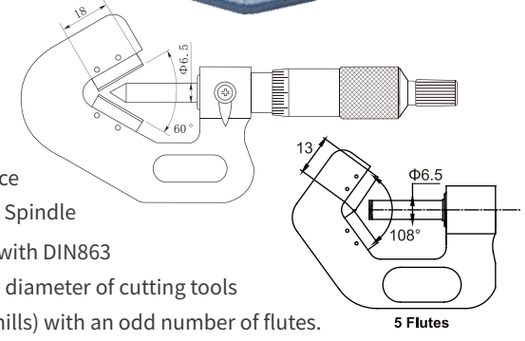
Unit:mm

Code	Range	Description
4005-0155	Thread Measuring Wire Set	48 pieces 16 different sizes for all 60° threads

V-ANVIL MICROMETER

DIN 863

- 4471-0005



- With carbide measuring face
- Ratchet stop for constant force
- 1-15mm, with pointed tip on Spindle
- Strictly made in accordance with DIN863
- Used to measure the outside diameter of cutting tools (such as taps,reamers, end mills) with an odd number of flutes.
- V-anvils with a centerline groove are available. They are useful for measuring pitch diameters of taps which have a small diameter by using single-wire method.

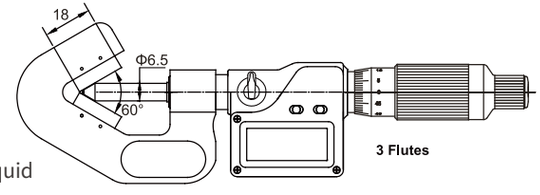
Unit:mm

Code	Range	Graduation	Ratchet stop	Accuracy
4471-0005	1-15	0.01	3 Flutes	0.004
4471-0010	5-20	0.01	3 Flutes	0.004
4471-0015	20-35	0.01	3 Flutes	0.005
4471-0020	35-50	0.01	3 Flutes	0.005
4471-0025	50-65	0.01	3 Flutes	0.006
4471-0030	65-80	0.01	3 Flutes	0.006
4471-0035	80-95	0.01	3 Flutes	0.007
4471-0040	2.3-25	0.01	3 Flutes	0.004
4471-0045	25-50	0.01	3 Flutes	0.005
4471-0050	5-25	0.01	5 Flutes	0.004
4471-0055	25-45	0.01	5 Flutes	0.005
4471-0060	45-65	0.01	5 Flutes	0.006
4471-0065	65-85	0.01	5 Flutes	0.007
4471-0070	85-105	0.01	5 Flutes	0.008

IP65 WATER PROOF DIGITAL V-ANVIL MICROMETER

mm/in | Battery + LR44 | Data output | DIN 863 | IP65 COOLANT&FLUID RESISTANT

• 4470-0005

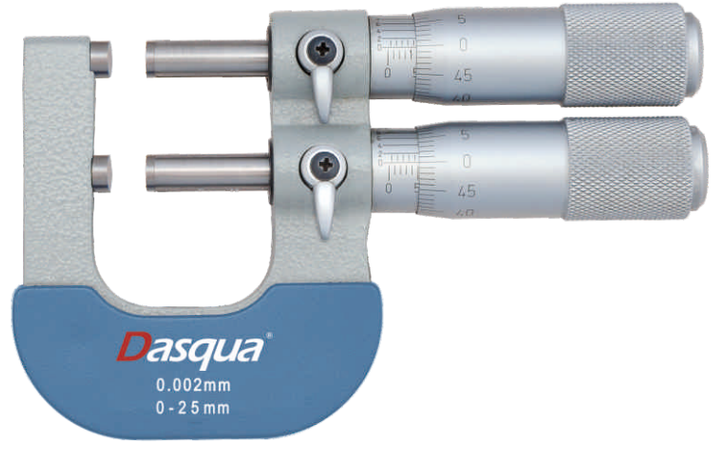


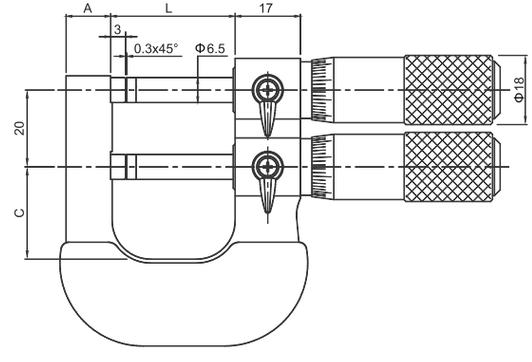
- IP65 protection against liquid
- With carbide measuring face
- Strictly made in accordance with DIN863
- With ratchet for constant measuring pressure
- Measuring diameter of cylinder with an odd number flutes, such as taps, reamers and end mills

Unit:mm

Code	Range	Resolution	Ratchet stop	Accuracy
4470-0005	1-15	0.001/0.00005"	3 Flutes	±0.002
4470-0010	5-20	0.001/0.00005"	3 Flutes	±0.002
4470-0015	20-35	0.001/0.00005"	3 Flutes	±0.003
4470-0020	35-50	0.001/0.00005"	3 Flutes	±0.003
4470-0025	50-65	0.001/0.00005"	3 Flutes	±0.003
4470-0030	65-80	0.001/0.00005"	3 Flutes	±0.003
4470-0035	80-95	0.001/0.00005"	3 Flutes	±0.004
4470-0040	2.3-25	0.001/0.00005"	3 Flutes	±0.002
4470-0045	25-50	0.001/0.00005"	3 Flutes	±0.003
4470-0050	5-25	0.001/0.00005"	5 Flutes	±0.002
4470-0055	25-45	0.001/0.00005"	5 Flutes	±0.003
4470-0060	45-65	0.001/0.00005"	5 Flutes	±0.003
4470-0065	65-85	0.001/0.00005"	5 Flutes	±0.004
4470-0070	85-105	0.001/0.00005"	5 Flutes	±0.004

LIMIT MICROMETER





- Used as a go/no-go gage by setting the upper and lower limits
- Provided with a standard bar for 25mm- 50mm model
- With carbide measuring face
- Ratchet stop for constant force

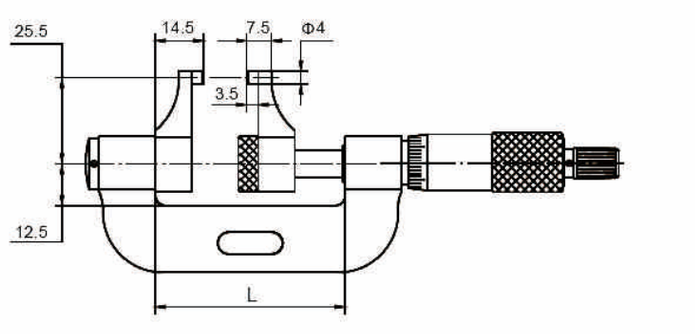
Unit:mm

Code	Range	Graduation	A	L	C	Accuracy
4920-0005	0-25	0.002	12	32	24	0.003
4920-0010	25-50	0.002	15	57	32	0.003
4920-0015	0-1"	0.0001"	12	32	24	0.00012"
4920-0020	1-2"	0.0001"	15	57	32	0.00012"

B

CALIPER TYPE MICROMETER

DIN 863



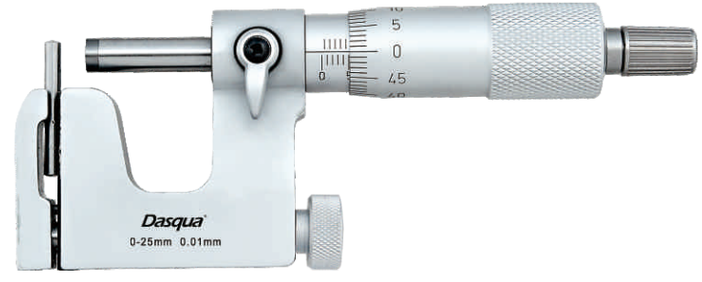
- Carbide measuring faces
- Caliper Type Micrometers enable precise measuring of hard to reach parts

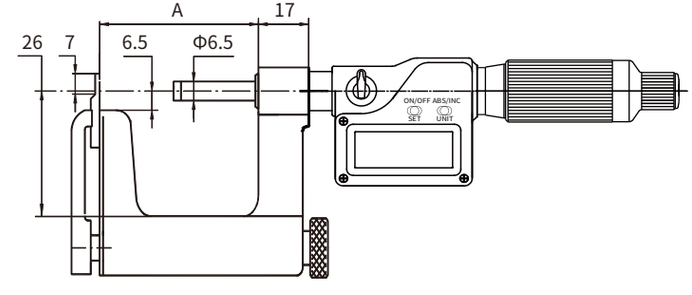
Unit:mm

Code	Range	Resolution	L	Accuracy
4005-0005	0-25mm	0.01	56	±0.005
4005-0010	25-50mm	0.01	81	±0.006
4005-0015	50-75mm	0.01	106	±0.007
4005-0020	75-100mm	0.01	131	±0.008

INTERCHANGEABLE ANVIL MICROMETER

DIN 863





- With interchangeable anvils(flat anvil and rod anvil)
- Used to measure tube thickness, shoulder-edge distance, rivet head height, etc
- Can measure step height when removing anvils and clamp

Unit:mm

Code	Range	Resolution	A	D	Accuracy
4005-0025	0-25mm	0.01	28.5	Φ3	0.004
4005-0030	25-50mm	0.01	53.5	Φ5	0.004

ADJUSTABLE ANVIL-PITCH ROOT MICROMETERS

DIN 863

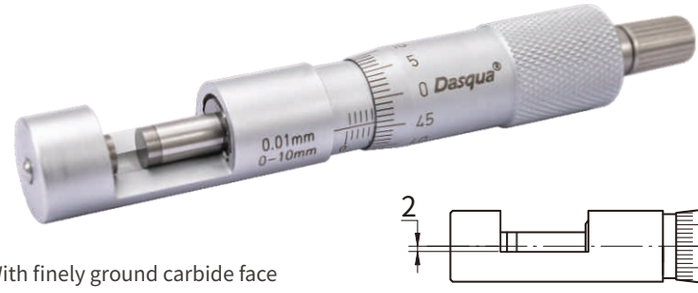
- Wide measuring range with adjustable anvil
- Carbide-tipped measuring faces
- Pipe combined frame for light weight and high rigidity(over 200mm/8" range
- Resolution:0.01mm(Metric);0.001"(Inch)
- High accuracy interchangeable anvils enable that reading does not have to be reset when changing anvils

Unit:mm

Code	Range	Resolution	Accuracy
4005-0160	5-100mm	0.01	0.005
4005-0165	100-200mm	0.01	0.007
4005-0170	200-300mm	0.01	0.009

WIRE MICROMETER

DIN 863



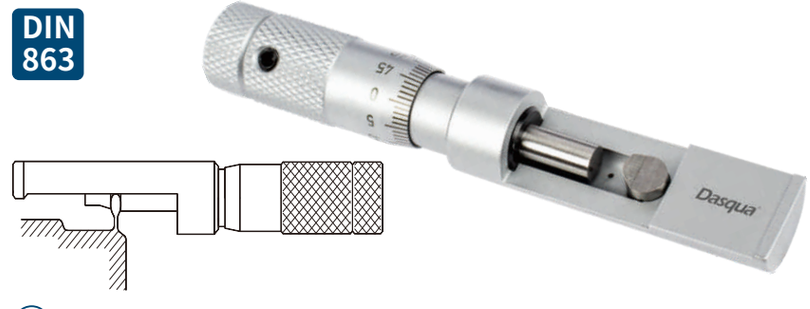
- With finely ground carbide face
- Strictly made in accordance with DIN863
- With ratchet for constant measuring force
- Used to measure the diameter of wire or small ball

Unit:mm

Code	Range	Graduation	Accuracy
4631-0005	0-10	0.01	0.004

CAN SEAM MICROMETERS

DIN 863



- Strickly made in accordance with DIN863
- Measuring the wide, height and depth of can seams
- For aluminum can

Unit:mm

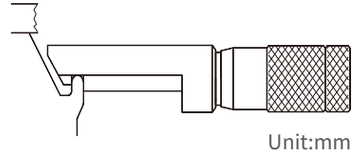
Code	Range	Resolution	Accuracy
4631-0015	0-13mm	0.01	0.004

B

CAN SEAM MICROMETERS

DIN 863

- Strictly made in accordance with DIN863
- Measuring the wide, height and depth of can seams
- For spray cans



Unit:mm

Code	Range	Resolution	Accuracy
4631-0020	0-13mm	0.01	0.004

HOT SHEET MICROMETER

DIN 863

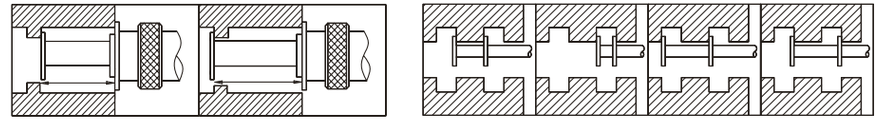
- Painted frame
- Measure thickness of hot rolling sheet metal
- Carbide measuring faces

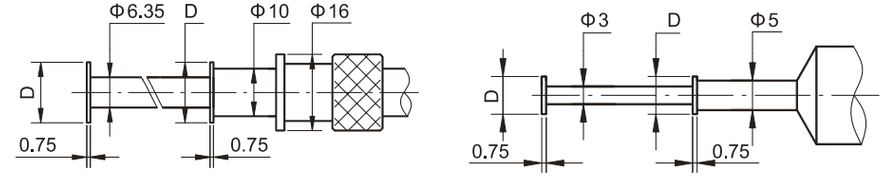
Unit:mm

Code	Range	Graduation	Accuracy
4718-0005	0-15mm	0.05	0.05
4718-0010	15-30mm	0.05	0.05
4718-0015	30-45mm	0.05	0.05
4718-0020	45-60mm	0.05	0.05
4718-0025	60-75mm	0.05	0.05
4718-0030	75-90mm	0.05	0.05
4718-0035	90-105mm	0.05	0.05

GROOVE MICROMETER

DIN 863





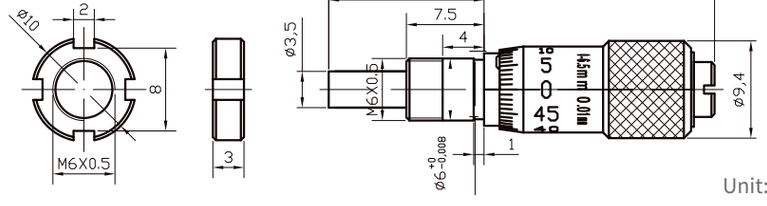
- With non-rotating spindle
- Strictly made in accordance with DIN863
- Flanged measuring faces for measuring width,depth, and location of grooves inside bores
- Provided with 2 types of laser engraved graduations for inside and outside measurement

Unit:mm

Code	Range	Graduation	Parallelism	D	Accuracy
4861-0005	0-25	0.01	0.01	φ6.5	0.01
4861-0010	25-50	0.01	0.01	φ13	0.01
4861-0015	50-75	0.01	0.01	φ13	0.01
4861-0020	75-100	0.01	0.01	φ13	0.01
4861-2005	0-1"	0.001"	0.001"	φ6.5	0.001"
4861-2010	1-2"	0.001"	0.001"	φ13	0.001"
4861-2015	2-3"	0.001"	0.001"	φ13	0.001"
4861-2020	3-4"	0.001"	0.001"	φ13	0.001"

6.5MM MICROMETER HEAD

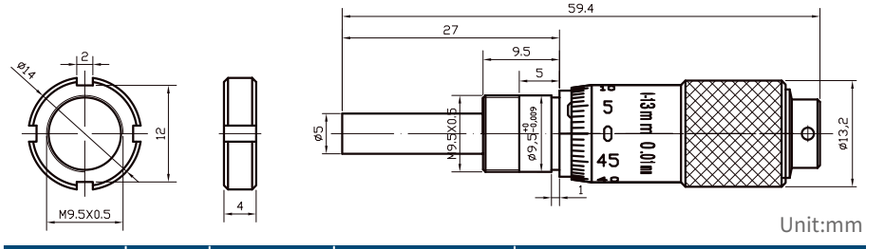
- Carbide measuring surfaces ground for longer service life
- Straight stem/Stem with clamp nut optional
- With ratchet stop for constant pressure
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- Flat face/Spherical face optional
- Mount on precision equipment or machinery like machines, fixed devices, special tools, etc



Unit:mm

Code	Range	Graduation	Accuracy	Remark
4833-8105	0-6.5	0.01	0.004	W/Clamp Nut
4733-8105	0-6.5	0.01	0.004	W/Clamp Nut/Spherical

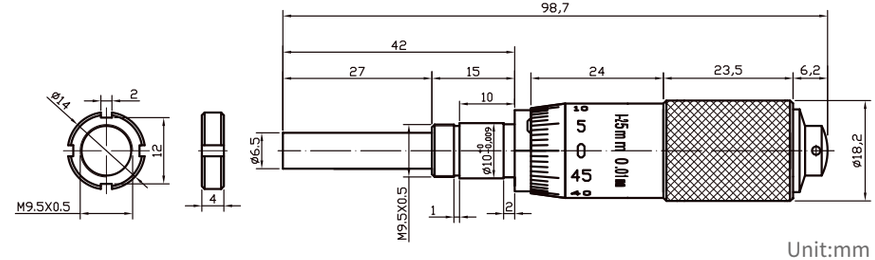
13MM MICROMETER HEAD



Unit:mm

Code	Range	Graduation	Accuracy	Remark
4811-8110	0-13	0.01	0.004	/
4833-8110	0-13	0.01	0.004	W/Clamp Nut
4811-7310	0-13	0.01	0.004	W/Spindle Lock
4733-8110	0-13	0.01	0.004	W/Clamp Nut/Spherical
4711-7314	0-13	0.01	0.004	W/Spindle Lock/Spherical
4733-7310	0-13	0.01	0.004	W/Clamp Nut+W/Spindle Lock/Spherical

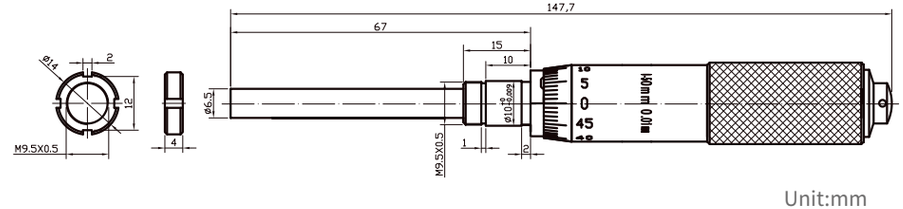
25MM MICROMETER HEAD



Unit:mm

Code	Range	Graduation	Accuracy	Remark
4811-8115-A	0-25	0.01	0.004	/
4833-8115-A	0-25	0.01	0.004	W/Clamp Nut
4811-7315-A	0-25	0.01	0.004	W/Spindle Lock
4833-7315-A	0-25	0.01	0.004	W/Clamp Nut+W/Spindle Lock
4711-8115-A	0-25	0.01	0.004	Spherical
4733-8115-A	0-25	0.01	0.004	W/Clamp Nut/Spherical
4711-7315-A	0-25	0.01	0.004	W/Spindle Lock/Spherical
4733-7315-A	0-25	0.01	0.004	W/Clamp Nut+W/Spindle Lock/Spherical

50MM MICROMETER HEAD



Unit:mm

Code	Range	Graduation	Accuracy	Remark
4811-8120-A	0-50	0.01	0.004	/
4833-8120-A	0-50	0.01	0.004	W/Clamp Nut
4811-7320-A	0-50	0.01	0.004	W/Spindle Lock
4833-7320-A	0-50	0.01	0.004	W/Clamp Nut+W/Spindle Lock
4711-8120-A	0-50	0.01	0.004	Spherical
4733-8120-A	0-50	0.01	0.004	W/Clamp Nut/Spherical
4711-7320-A	0-50	0.01	0.004	W/Spindle Lock/Spherical
4733-7320-A	0-50	0.01	0.004	W/Clamp Nut+W/Spindle Lock/Spherical

B

INCH MICROMETER HEAD

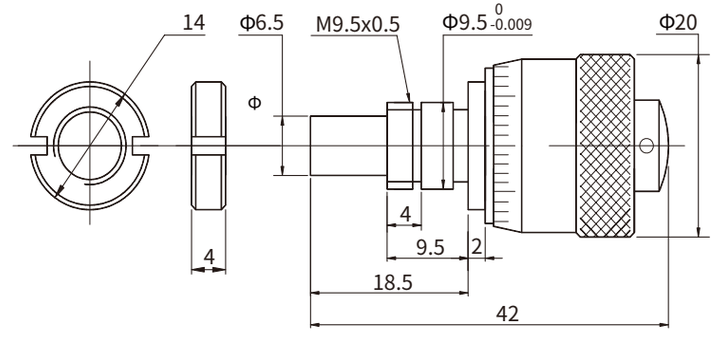
- Mount on precision equipment or machinery like machines, fixed devices, special tools, etc
- Carbide measuring surfaces ground for longer service life
- With ratchet stop for constant pressure
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Clear graduations laser-etched on satin chrome finish for easy reading
- Straight stem/Stem with clamp nut optional
- Flat face/Spherical face optional

Unit:mm

Code	Range	Graduation	Accuracy	Remark
4812-5105	0-0.25"	0.001"	0.0015"	W/Clamp Nut
4812-5110	0-0.5"	0.001"	0.0015"	W/Clamp Nut
4812-5115-A	0-1"	0.001"	0.0015"	W/Clamp Nut+W/Spindle Lock
4812-5120-A	0-2"	0.001"	0.0015"	W/Clamp Nut+W/Spindle Lock

MICROMETER HEAD

WITH LARGE THIMBLE DIAMETER



- Strictly made in accordance with DIN863
- Operating and display units antiglare with satin chrome finish
- Stainless spindle is hardened throughout and ground
- Rapid drive with integrated ratchet
- Carbide tipped measuring face
- with clamp nut

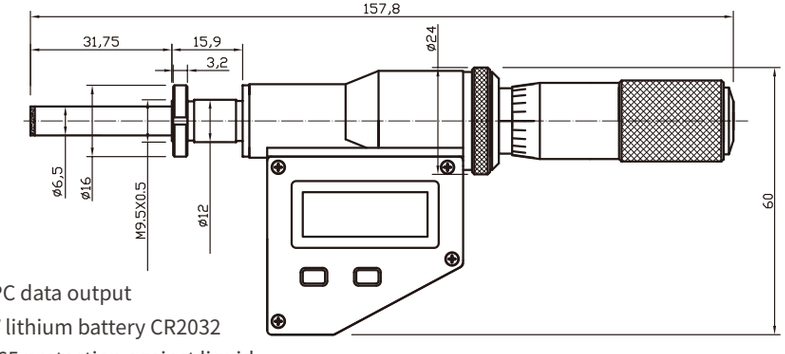
Unit:mm

Code	Range	Graduation	Accuracy	Remark
4811-8125	0-6.5	0.01	0.005	/
4833-8125	0-6.5	0.01	0.005	W/Clamp Nut
4711-8125	0-6.5	0.01	0.005	Spherical
4733-8125	0-6.5	0.01	0.005	W/Clamp Nut/Spherical
4811-8130	0-13	0.01	0.004	/
4833-8130	0-13	0.01	0.004	W/Clamp Nut

IP65 DIGITAL MICROMETER HEAD

WITH CLAMP NUT

DIN 863 | Data output | mm / in | Battery + CR2032 | IP65 COOLANT&FLUID RESISTANT



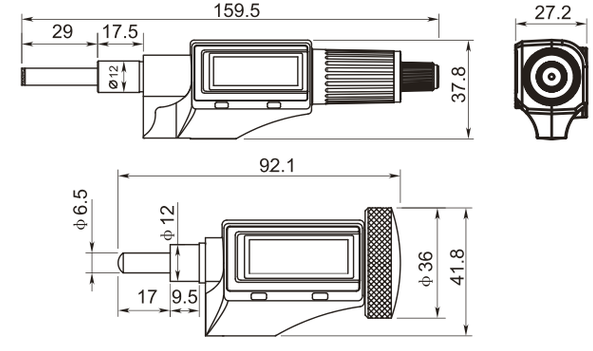
- SPC data output
- 3V lithium battery CR2032
- IP65 protection against liquid
- Strictly made in accordance with DIN863
- Incremental capacitor measurement system
- With carbide measuring face
- With painted frame
- Flat face (spherical tip optional)
- Spindle hardened and ground

Unit:mm

Code	Range	Resolution	Accuracy	Tip Type
4910-2125	0-25/0-1"	0.001/0.00005"	0.003/0.00015"	Spherical head
4910-2130	0-50/0-2"	0.001/0.00005"	0.003/0.00015"	Flat head
4910-2135	0-25/0-1"	0.001/0.00005"	0.003/0.00015"	Flat head
4910-2140	0-50/0-2"	0.001/0.00005"	0.003/0.00015"	Spherical head

DIGITAL MICROMETER HEAD

DIN 863 | Data output | mm / in | Battery + CR2032



- Mount on precision equipment or machinery like machines, fixed devices, special tools, etc
- where need 0.001mm accuracy
- Stictly made in accordance with DIN863
- Equipped with large LCD screen for easy reading
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Carbide measuring surfaces ground for longer service life
- Flat face/Spherical face optional

Unit:mm

Code	Range	Resolution	Accuracy	Tip Type
4910-2105	0-15/0-0.5"	0.001/0.00005"	0.003/0.00015"	Flat head
4910-2110	0-15/0-0.5"	0.001/0.00005"	0.003/0.00015"	Spherical head
4910-2115	0-25/0-1"	0.001/0.00005"	0.003/0.00015"	Spherical head
4910-2120	0-25/0-1"	0.001/0.00005"	0.003/0.00015"	Flat head

B

MICROMETER ANVIL ATTACHMENT SET

- Turns your micrometer for multi-measuring tool
- Each set include: spline, knife, super spline, blade, comparator, disc and ball style anvils
- Fits all micrometers up to 300mm(12″)

Unit:mm

Code	Range
4410-0005	7pcs Set [spline, knife, super spline, blade, comparator, disc and ball style anvils]

MICROMETER CALIBRATION GAUGE BLOCK SET

DIN ISO 3650

- Made of Stainless steel
- Grade 1
- 5 pcs rectangular blocks and 1 optical flat

Unit:mm

Code	Grade	Contents
6111-1505	1	The size of the each gaige block: 5.1mm, 10.3mm, 15mm, 20.2mm, 25mm with 1 optical Flat

MICROMETER CALIBRATION GAUGE BLOCK SET

DIN ISO 3650

- Garde 0 or Grade 1 (optional)
- 10 pcs rectangular blocks and 1 optical flat
- 1 Optical Flat which allows checking anvil faces at half rotations of spindle for measuring flatness

MADE OF CERAMIC

Unit:mm

Code	Grade	Contents
6110-1211	0	The size of each gauge block 2.5,5.1,7.7,10.3,12.9,15.0,17.6,20.2,22.8,25.0; 1 pc optical with a flat glass φ30
6110-1405	1	The size of each gauge block 2.5,5.1,7.7,10.3,12.9,15.0,17.6,20.2,22.8,25.0; 1 pc optical with a flat glass φ30

MADE OF STAINLESS STEEL

Unit:mm

Code	Grade	Contents
6111-1210	0	The size of each gauge block 2.5,5.1,7.7,10.3,12.9,15.0,17.6,20.2,22.8,25.0; 1 pc optical with a flat glass φ30
6111-1211	1	The size of each gauge block 2.5,5.1,7.7,10.3,12.9,15.0,17.6,20.2,22.8,25.0; 1 pc optical with a flat glass φ30

OPTICAL PARALLEL

- Check the flatness and parallelism of measuring faces of micrometer

Unit:mm

Code	Range	D
6111-1220	0-25mm	30mm
6111-1225	25-50mm	30mm
6111-1230	50-75mm	40mm
6111-1235	75-100mm	50mm

MICROMETER CALIBRATION STANDARD

- Standard by DIN863/1
- For calibrating the zero position of outside micrometers
- With a heat-insulating handle to prevent heat expansion

Unit:mm

Code	Contents	Contents	Range for micrometer
4005-4001	25mm	Φ7mm	±0.0012
4005-4002	50mm	Φ7mm	±0.0012
4005-4003	75mm	Φ7mm	±0.0015
4005-4004	100mm	Φ8mm	±0.0020
4005-4005	125mm	Φ8mm	±0.0025
4005-4006	150mm	Φ8mm	±0.0025
4005-4007	175mm	Φ8mm	±0.0025
4005-4008	200mm	Φ8mm	±0.0035
4005-4009	225mm	Φ8mm	±0.0035
4005-4010	250mm	Φ8mm	±0.0035
4005-4011	275mm	Φ8mm	±0.0040
4005-4012	300mm	Φ16mm	±0.0040
4005-4013	325mm	Φ16mm	±0.0045
4005-4014	350mm	Φ16mm	±0.0045
4005-4015	375mm	Φ16mm	±0.0045
4005-4016	400mm	Φ16mm	±0.0045
4005-4017	425mm	Φ16mm	±0.0050
4005-4018	450mm	Φ16mm	±0.0050
4005-4019	475mm	Φ16mm	±0.0050
4005-4020	500mm	Φ16mm	±0.0050
4005-4021	525mm	Φ16mm	±0.055
4005-4022	550mm	Φ16mm	±0.006
4005-4023	575mm	Φ16mm	±0.055
4005-4024	600mm	Φ16mm	±0.007
4005-4025	625mm	Φ16mm	±0.055
4005-4026	650mm	Φ16mm	±0.007
4005-4027	675mm	Φ16mm	±0.0065
4005-4028	700mm	Φ16mm	±0.008
4005-4029	725mm	Φ16mm	±0.0065
4005-4030	750mm	Φ16mm	±0.008
4005-4031	775mm	Φ16mm	±0.0065
4005-4032	800mm	Φ16mm	±0.009
4005-4033	825mm	Φ16mm	±0.0075
4005-4034	850mm	Φ16mm	±0.009
4005-4035	875mm	Φ16mm	±0.0075
4005-4036	900mm	Φ16mm	±0.010
4005-4037	925mm	Φ16mm	±0.0075
4005-4038	950mm	Φ16mm	±0.010
4005-4039	975mm	Φ16mm	±0.0075

INDICATORS

BORN IN ITALY, RAISED BY THE WORLD

02-06 DIAL INDICATOR (SIZE OF 1/3/5MM)

07-10 DIAL INDICATOR (SIZE OF 10MM)

10 DIAL INDICATOR (SIZE OF 20/25/30/50/80/100M

11-12 INCH SIZE DIAL INDICATOR

12-19 DIGITAL INDICATOR

20-22 INDICATOR FOR SPECIAL MEASURING

23-26 INDICATOR RELATED PRODUCTS

27-37 DIAL TEST INDICATOR

38 DIAL TEST INDICATOR RELATED PRODUCTS

39-42 DIAL BORE GAUGE

44-46 DIAL BORE GAUGE RELATED PRODUCTS

47-54 DIAL THICKNESS GAUGE RELATED PRODUCTS

54-61 DIAL CALIPER GAUGE RELATED PRODUCTS

61 DIAL DEPTH GAUGE RELATED PRODUCTS

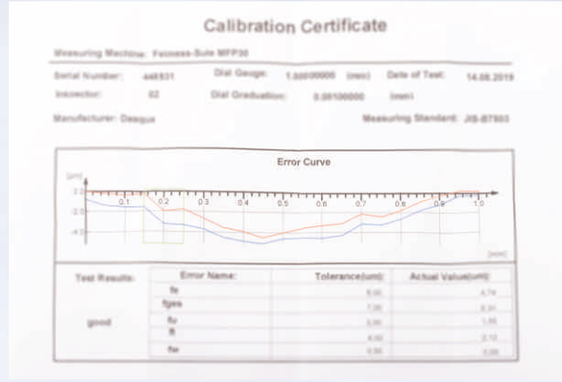
62 OTHER DIAL INDICATOR RELATED PRODUCTS

DIAL INDICATOR PRIME

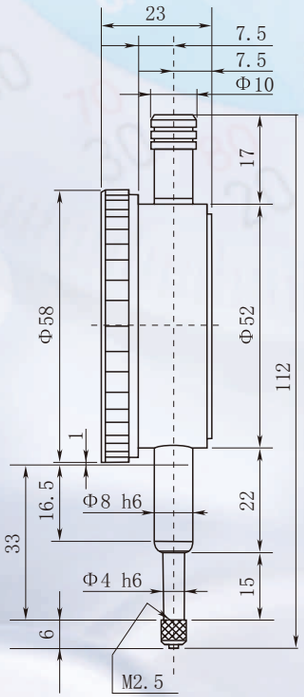
WITH 0.001MM GRADUATION

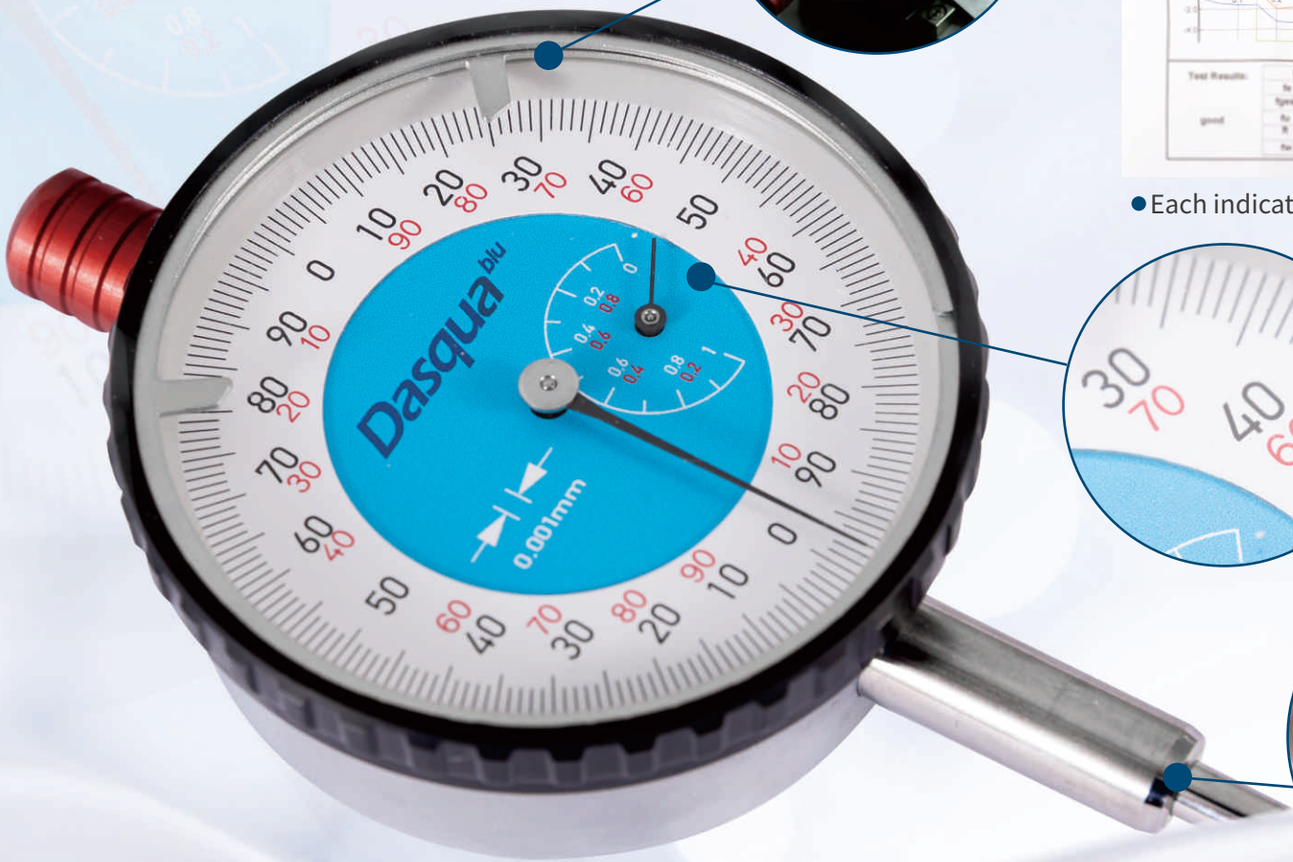
- Made in Germany
- Used to measure surface flatness, check tool set-up and squareness
- Knurled top screw or lifting cap to raise the plunger easily
- With adjustable limit hands to set tolerance
- O-Ring sealed between inner and outer lid to protect from water or oil

DIN 878

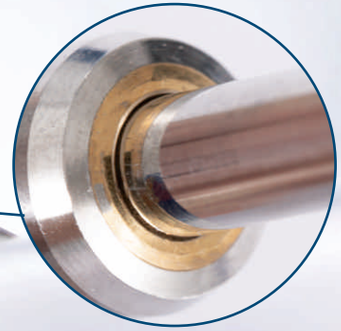


- Each indicator is with a matched certificate





- Double figures in different colors for easy and correct reading



- Measuring rod nearly does not wobble. Both the sleeve reamed hole and measuring rod are very smooth when gripped.

Unit:mm

Code	Range	Graduation	Accuracy	Hysteresis	Range/Rev	Reading	Housing Diameter
5181-0005 -A	0-1	0.001	0.005	0.002	0.2	0-100-0	φ58

DIAL INDICATOR

Dasqua Blu
MADE IN USA

- Come with certificate
- Heat-treated steel case with chrome finishing for durability
- Hardened stainless steel stem, 3/8″ and 8mm diameter standard
- Knurled bezels for easy, no-slip grip
- Hardened stainless steel rack
- Fine, easy-to-read graduations on non-glare dials

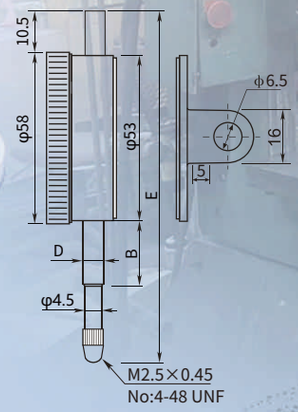
Each dial indicator comes with **Calibration Certified** to **ASME B89.1.10M-2001 Standards**

METRIC
Range: 0-10mm
Resolution: 0.01mm

INCH
Range: 0-1"
Resolution: 0.0005"

2X 210G HEAVIER

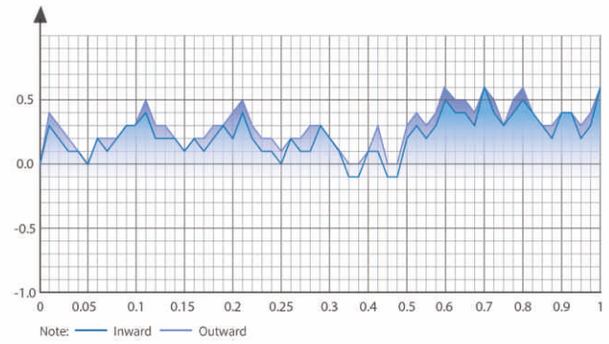
than standarid models on the market our dial indicator offers enhanced precision and uperior durability, designed to excel in the toughest industrial settings and ensure reliability



Dial Gauge in inch Calibration Certificate

Measuring Range:(0-1)inch Resolution: 0.0005inch

Record SN:	12037	Manufacturer:		Date of Test:	2024-11-14
Factory No.:		Inspector:	12	Cal. Reference:	ASME B89.1.10M-2001



Unit: 0.01 inch	Hysteresis Error	One Revolution	Fiest 2.5 Revolution	>2.5 Through 10 Revolution	>10 Through 20 Revolution
Tolerances	0.33	±1.0	±1.0	±2.0	±4.0
Indication Error	0.20	+0.3	+0.4	+0.6	/
Verification conclusion	Pass				

A PULLEY + TENSION SPRING

Features a finely calibrated pulley and tension spring system that ensures smooth operation and minimal force requirement, resulting in more accurate measurements.

B INTERNAL COPPER STRUCTURE

Built with a precision-engineered, full copper internal structure that is not affected by temperature variations providing exceptional precision and enhanced stability.

C HEAT-TREATED STEEL CASE WITH CHROME PLATING

Encased in a heat-treated steel with chrome plating for extra durability and corrosion resistance,making the tool suitable for heavy-duty industrial use

D COPPER GUIDE SUPPORT

Incorporates copper guide supports that enhance the stability and durability of the guiding movement,ensuring long-term reliability

DUST CAP

Engineered for durability,this robust dust cap shields the instrument from dust and debris, preserving both its precision and long-term functionality

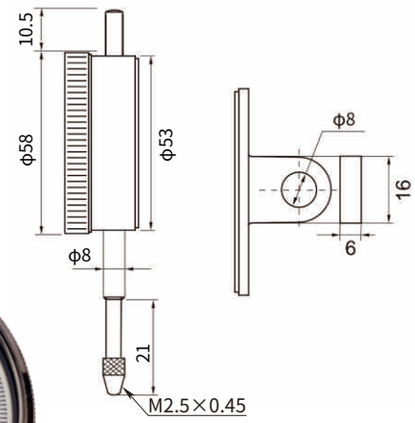
Unit:mm

Code	Range	Graduation	Style	B	D	E	Dial Reading	Accuracy	Hysteresis
5111-2020	0-10	0.01	lug back	20	φ8h8	110	0-100	0.017	0.003
5122-4270	0-1″	0.001″	lug back	22.5	φ9.525	141.5	0-100	0.002″	0.00033″

DIAL INDICATOR

WITH 0.001MM GRADUATION

SHOCK -PROOF | DIN 878



- With calibration certificate
- Heavier steel case against indicator failure due to shock or wear
- Used to measure surface flatness as well as axial runout and also used to check tool set up and squareness
- Strictly made in accordance with DIN878
- Jeweled bearings providing the lowest possible bearing friction
- With narrowed range and higher accuracy

Unit:mm

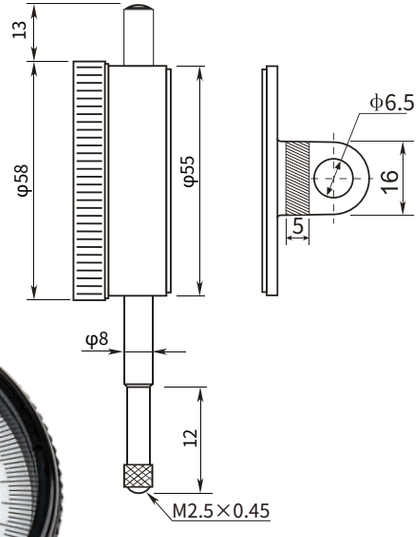
Code	Range	Graduation	Dial Reading	Accuracy	Hysteresis	Style
5121-3005	0-1	0.001	0-200	±0.005	0.002	Flat back
5121-3010	0-1	0.001	0-200	±0.005	0.002	Lug back

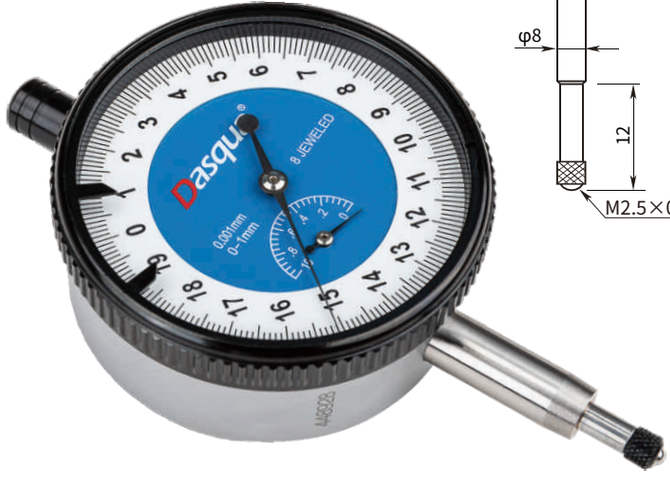
C

DIAL INDICATOR

WITH 0.001MM GRADUATION

DIN 878 | SHOCK -PROOF





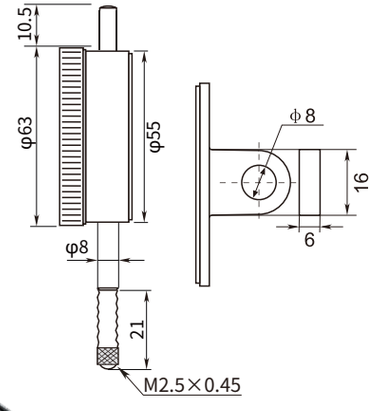
- With calibration certificate
- Used to measure surface flatness as well as axial runout and also used to check tool set up and squareness
- Limit indicator clips included
- Strictly made in accordance with DIN878
- Jeweled bearings providing the lowest possible bearing friction
- With narrowed range and higher accuracy

Unit:mm

Code	Range	Graduation	Style	Dial Reading	Accuracy	Hysteresis
5121-2101	0-1	0.001	flat back	0-200	0.005	0.002
5121-2201	0-1	0.001	lug back	0-200	0.005	0.002

WATER PROOF INDICATOR

SHOCK -PROOF | IP67 | DIN 878 | ISO 463



- O-ring seal on safety cap for bezel and rotating dial
- Strictly made in accordance with DIN878
- Used to measure surface flatness as well as axial runout and also used to check tool set up and squareness
- Hardened gears-lasting against indicator failure due to shock or wear

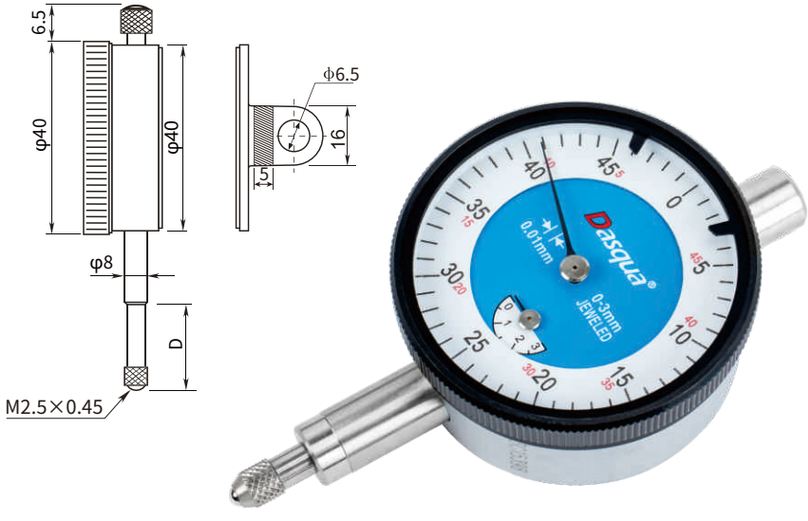
Unit:mm

Code	Range	Graduation	Style	Dial Reading	Accuracy	Hysteresis
5121-2106	0-1	0.001	flat back	0-200	0.005	0.002
5121-2107	0-1	0.001	lug back	0-200	0.005	0.002

MINI DIAL INDICATOR

STANDARD VERSION

SHOCK -PROOF | DIN 878



- With calibration certificate
- Used to measure surface flatness as well as axial runout and also used to check tool set up and squareness
- Limit indicator clips included
- Strictly made in accordance with DIN878
- Jeweled bearings providing the lowest possible bearing friction
- With narrowed range and higher accuracy

Unit:mm

Code	Range	Graduation	Style	Dial Reading	D	Accuracy	Hysteresis
5121-1230	0-3	0.01	flat back	0-50	10.6	0.014	0.003
5121-1203	0-3	0.01	lug back	0-50	10.6	0.014	0.003
5121-1235	0-5	0.01	flat back	0-50	12.5	0.016	0.003
5121-1204	0-5	0.01	lug back	0-50	12.5	0.016	0.003

MINI DIAL INDICATOR

SHOCK -PROOF | DIN 878

- With calibration certificate
- Used to measure surface flatness as well as axial runout and also used to check tool set up and squareness
- Limit indicator clips included
- Strictly made in accordance with DIN878
- Jeweled bearings providing the lowest possible bearing friction
- With narrowed range and higher accuracy

Unit:mm

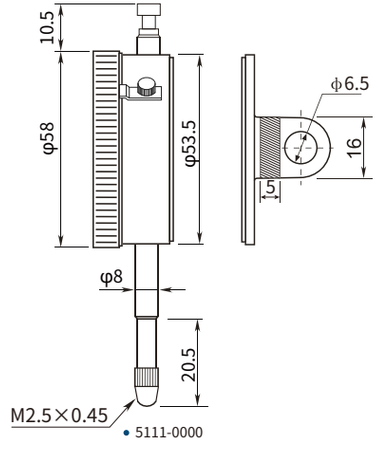
Code	Range	Graduation	Style	D	Dial Reading	Accuracy	Hysteresis
5121-1101	0-3	0.01	flat back	10.6	0-100	0.012	0.003
5121-1201	0-3	0.01	lug back	10.6	0-100	0.012	0.003
5121-1102	0-5	0.01	flat back	12.5	0-100	0.014	0.003
5121-1202	0-5	0.01	lug back	12.5	0-100	0.014	0.003

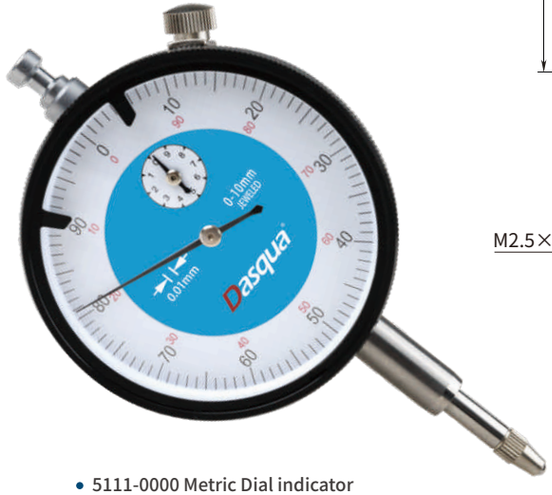
C

DIAL INDICATOR

DIN 878

BEST SELLER





• 5111-0000 Metric Dial indicator

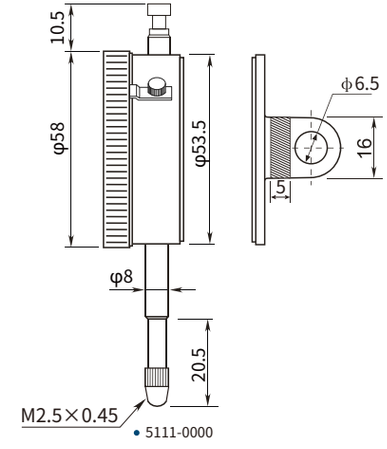
- Used to measure surface flatness as well as axial runout and also used to check tool set up and squareness
- Limit indicator clips included
- Strictly made in accordance with DIN878
- Jeweled bearings providing the lowest possible bearing friction
- With narrowed range and higher accuracy

Unit:mm

Code	Range	Graduation	Style	Dial Reading	Accuracy	Hysteresis
5111-0000	0-10	0.01	flat back	0-100	0.017	0.003
5111-1005	0-10	0.01	lug back	0-100	0.017	0.003

DIAL INDICATOR

DIN 878



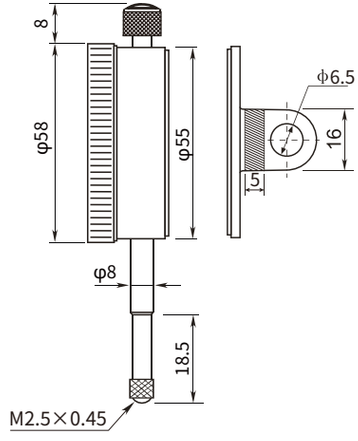
- Used to measure surface flatness as well as axial runout and also used to check tool set up and squareness
- Limit indicator clips included
- Strictly made in accordance with DIN878
- Jeweled bearings providing the lowest possible bearing friction
- With narrowed range and higher accuracy

Unit:mm

Code	Range	Graduation	Style	Dial Reading	Accuracy	Hysteresis
5111-5005	0-10	0.01	flat back	0-100	0.017	0.003

DIAL INDICATOR

DIN 878



5122-4245
Contact point available

- Used to measure surface flatness as well as axial runout and also used to check tool set up and squareness
- Limit indicator clips included
- Strictly made in accordance with DIN878
- Jeweled bearings providing the lowest possible bearing friction
- With narrowed range and higher accuracy

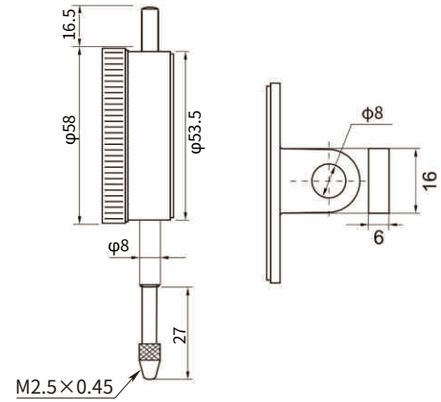
Unit:mm

Code	Range	Graduation	Style	Dial Reading	Accuracy	Hysteresis
5111-1105	0-10	0.01	flat back	0-100	0.017	0.003
5111-1205	0-10	0.01	lug back	0-100	0.017	0.003

DIAL INDICATOR

WITH CALIBRATION CERTIFICATE

DIN 878



- With calibration certificate
- Strictly made in accordance with DIN878
- With narrowed range and higher accuracy
- Heavier steel case against indicator failure due to shock or wear
- Used to measure surface flatness as well as axial runout and also used to check tool set up and squareness

Unit:mm

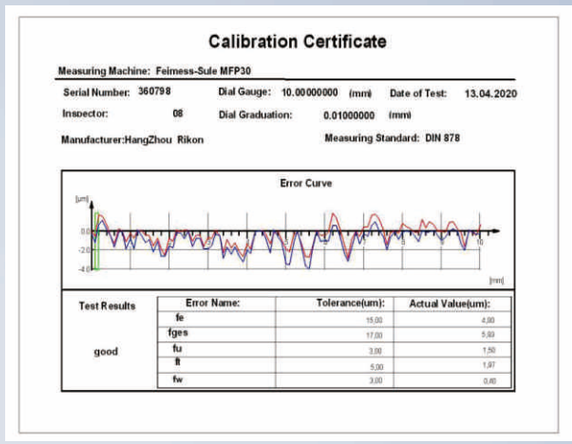
Code	Range	Graduation	Dial Reading	Accuracy	Hysteresis	Style
5111-1110	0-10mm	0.01	0-100	±0.017	0.003	Flat back
5111-1210	0-10mm	0.01	0-100	±0.017	0.003	Lug back

DIAL INDICATOR

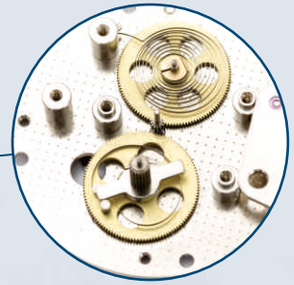
WITH SHOCK RESISTANT ABILITY

SHOCK -PROOF | DIN 878

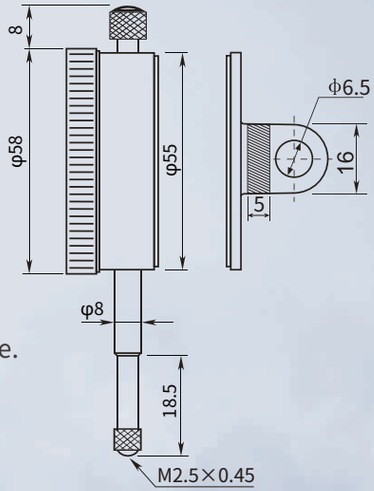
- Jeweled bearing can reduce the friction, making higher sensitivity and quick response ability.



Each indicator is with a matched certificate



- Oxidation treatment has been given on gear,rack, clamping piece and clamping plate.



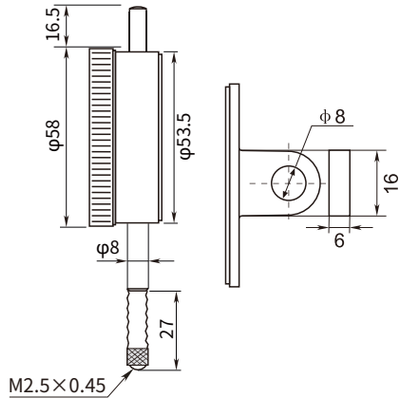
- Measuring rod nearly does not wobble. Both the sleeve reamed hole and measuring rod are very smooth when gripped.

Unit:mm

Code	Range	Graduation	Style	Dial Reading	Range per Rev	Accuracy	Hysteresis
5121-1105	0-10	0.01	Flat back	0-100	1mm	0.017	0.003
5121-1205	0-10	0.01	Lug back	0-100	1mm	0.017	0.003

WATER PROOF INDICATOR

SHOCK -PROOF | IP54 | DIN 878 | ISO 463



- O-ring seal on safety cap for bezel and rotating dial
- Strictly made in accordance with DIN878
- Used to measure surface flatness as well as axial runout and also used to check tool set up and squareness
- Hardened gears-lasting against indicator failure due to shock or wear

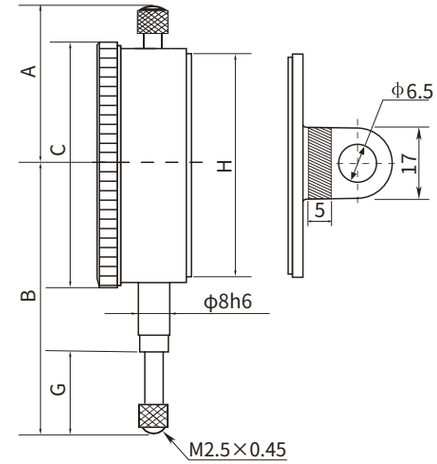
Unit:mm

Code	Range	Graduation	Style	Dial Reading	Range per Rev	Accuracy	Hysteresis
5121-1106	0-10	0.01	flat back	0-100	1mm	0.017	0.003
5121-1107	0-10	0.01	lug back	0-100	1mm	0.017	0.003

DIAL INDICATOR

WITH LARGE MEASURING RANGE

DIN 878



- Graduaion 0.01mm
- Used for long stroke measurement
- Limit indicator clips included
- Strictly made in accordance with DIN878
- Jeweled bearings providing the lowest possible bearing friction
- With larger range than normal indicators

Unit:mm

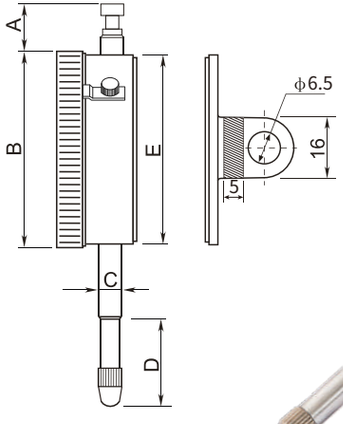
Code	Range	Dial Reading	Style	A	B	C	G	H	Accuracy	Hysteresis	Protection Standard
5131-2105	0-20	0-100	lug back	37.5	80.5	φ58	34	φ53.5	0.035	0.007	No Jeweled Bearing
5131-4405	0-25	0-100	flat back	37.5	80.5	φ58	34	φ53.5	0.035	0.007	No Jeweled Bearing
5132-7105	0-25	0-100	lug back	37.5	80.5	φ58	34	φ53.5	0.035	0.007	No Jeweled Bearing
5141-1105	0-30	0-100	flat back	37.5	89.5	φ58	40.9	φ53.5	0.035	0.007	No Jeweled Bearing
5141-2105	0-30	0-100	lug back	37.5	89.5	φ58	40.9	φ53.5	0.035	0.007	No Jeweled Bearing
5121-1110	0-30	0-100	flat back	37.5	89.5	φ58	40.9	φ53.5	0.035	0.007	Jeweled Bearing
5121-1210	0-30	0-100	lug back	37.5	89.5	φ58	40.9	φ53.5	0.035	0.007	Jeweled Bearing
5121-1115	0-50	0-100	flat back	108.3	126.2	φ58	57.7	φ53.5	0.04	0.008	Jeweled Bearing
5121-1215	0-50	0-100	lug back	108.3	126.2	φ58	57.7	φ53.5	0.04	0.008	Jeweled Bearing
5121-1125	0-80	0-100	flat back	138.4	168.4	φ58	88	φ53.5	0.05	0.009	Jeweled Bearing
5121-1225	0-80	0-100	lug back	138.4	168.4	φ58	88	φ53.5	0.05	0.009	Jeweled Bearing
5121-1120	0-100	0-100	flat back	167.6	207.8	φ78	108	φ69	0.05	0.009	Jeweled Bearing
5121-1220	0-100	0-100	lug back	167.6	207.8	φ78	108	φ69	0.05	0.009	Jeweled Bearing

C

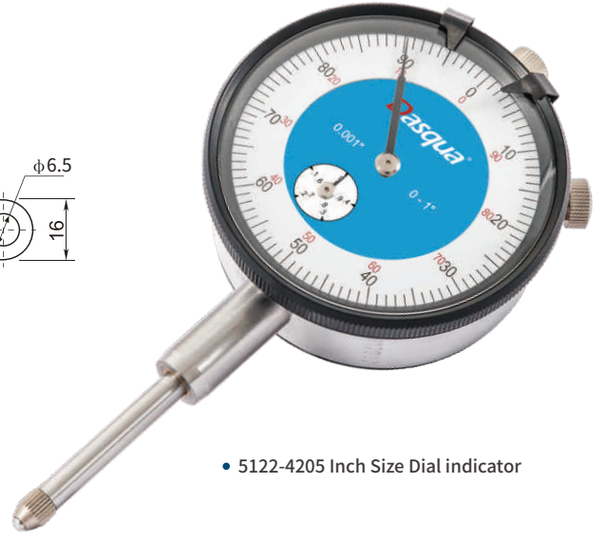
INCH SIZE DIAL INDICATOR

STANDARD VERSION

ASME B89.1.10M



• 5111-0000



• 5122-4205 Inch Size Dial indicator

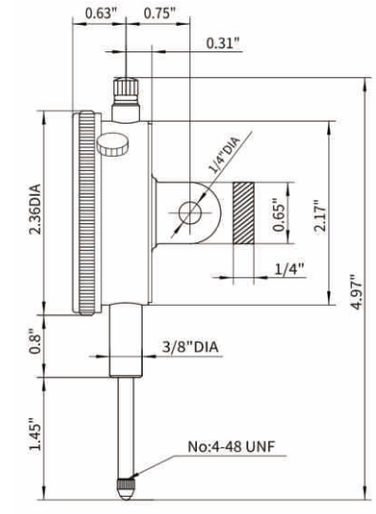
- With calibration certificate
- Used to measure surface flatness as well as axial runout and also
- Limit indicator clips included
- Strictly made in accordance with DIN878
- With narrowed range and higher accuracy

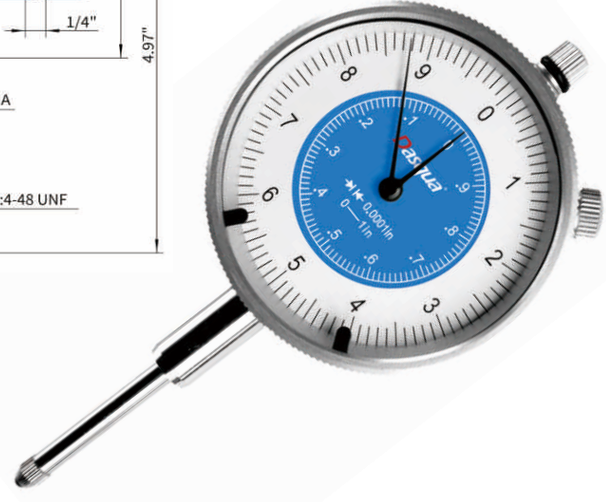
Unit:inch

Code	Range	Graduation	Dial Reading	Style	Protection Standard
5122-4205	0-0.5"	0.0005"	0-100	lug back	No Jeweled Bearing
5122-4230	0-1"	0.0005"	0-100	lug back	No Jeweled Bearing
5122-4214	0-2"	0.001"	0-100	lug back	No Jeweled Bearing
5122-4215	0-2"	0.001"	0-100	lug back	Jeweled Bearing

DIAL INDICATOR

ASME B89.1.10M





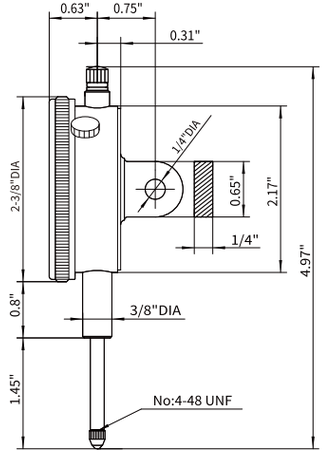
- With calibration certificate
- Limit indicator clips included
- Strictly made in accordance with DIN878
- With narrowed range and higher accuracy
- Jeweled bearings providing the lowest possible bearing friction
- Used to measure surface flatness as well as axial runout and also used to check tool set up and squareness

Unit:mm

Code	Range	Graduation	Dial Reading	Clamping diameter	Accuracy
5122-4245	0-1"	0.0001"	0-10	ϕ2.28"/58mm	±2"

INCH DIAL INDICATOR

BEST SELLER

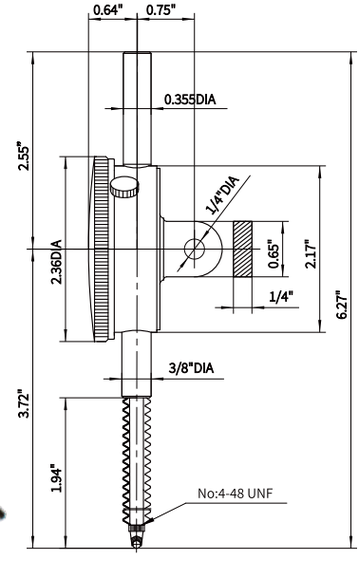


- Hardened metal construction for longer life
- Stable and high accuracy. According to ASME B89.1.10M-2001
- Extra flannelette bag to protect the dial indicator for repeated usage

Code	Range	Graduation	Style	Dial Reading	Range per Rev	Accuracy		Hysteresis
						First 2.5 rev	Overall	
5122-4212	0-1"	0.001"	lug back	0-100	0.1"	±0.001"	±0.002"	0.00033"

IP54 WATER PROOF INDICATOR

SHOCK -PROOF | Water proof



- Stable and high accuracy
- According to ASME B89.1.10M-2001
- Hardened metal construction for longer life
- Extra flannelette bag to protect the dial indicator for repeated usage

Unit:inch

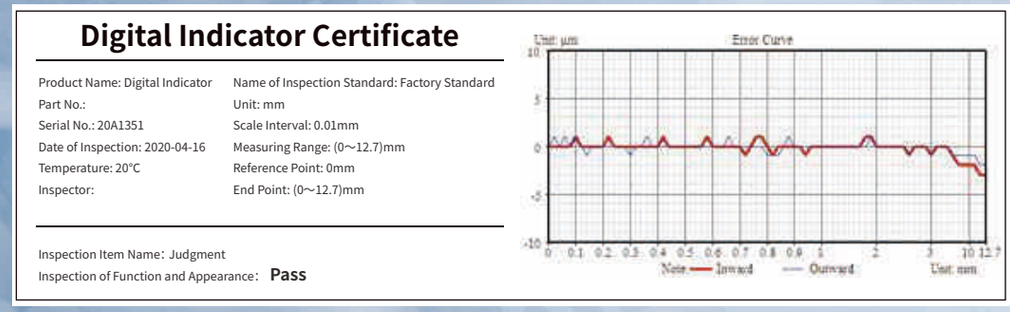
Code	Range	Graduation	Style	Dial Reading	Range per Rev	Accuracy	Hysteresis
5122-4213	0-1"	0.001"	lug back	0-100	0.1"	±2	0.33

MULTIFUNCTIONAL DIGITAL INDICATOR

- Glass grating for high accuracy and stable performance

Unit: mm

Code	Range	Resolution	Accuracy
5260-3705	0-12.7/0-0.5"	0.01/0.0005"	0.02
5260-3710	0-25.4/0-1.0"	0.01/0.0005"	0.02
5260-3715	0-50.8/0-2.0"	0.01/0.0005"	0.02
5260-3720	0-101.6/0-4"	0.01/0.0005"	0.02



Digital Indicator Certificate

Product Name: Digital Indicator
Part No.:
Serial No.: 20A1351
Date of Inspection: 2020-04-16
Temperature: 20°C
Inspector:

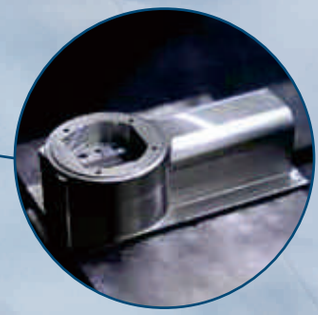
Name of Inspection Standard: Factory Standard
Unit: mm
Scale Interval: 0.01mm
Measuring Range: (0～12.7)mm
Reference Point: 0mm
End Point: (0～12.7)mm

Inspection Item Name: Judgment
Inspection of Function and Appearance: **Pass**

Error Curve

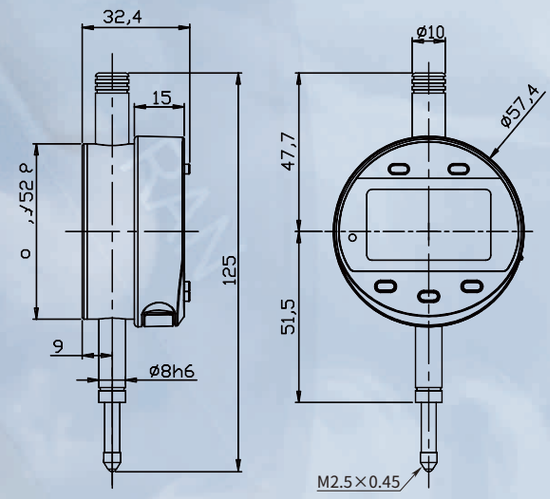
Each indicator is with a matched certificate.

- Temperature and humidity test for eachproduct, ensuring the normal use of each in harsh environment



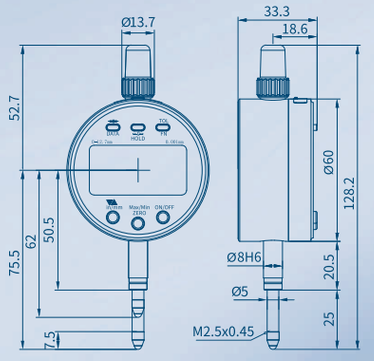
- Housing entirely cast made of high-strength alloy aluminum guaranteeing low deformation

- 5260-3705

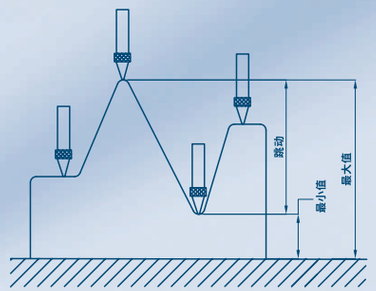


HIGH PRECISION DIGITAL INDICATOR

NEW GENERATION GRATING SENSOR TECHNOLOGY



5900-1010



24H

FULL CHARGED FOR
24HOURS
CONTINUOUS USAGE

HIGH RELIABILITY

MULTI FUNCTIONS BUILT IN(MIN/MAX/ZERO, TOL,DATA, PRESET, AUTO OFF, ETC.)

HIGH ACCURACY AND REPEATABILITY

MAXIMUM ERROR OF **0.0014MM**
REPEATABILITY⩽**0.0006MM**

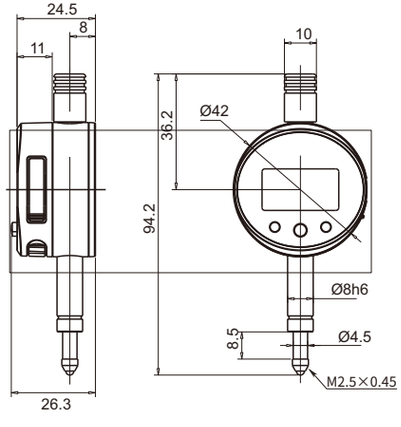
Unit:mm

Code	Range	Resolution	Accuracy	Hysteresis	Data output	Repeatability
5900-1010	0-12.7/0-0.5"	0.0002/0.00001"	0.0014	0.001	Cable	⩽0.0006mm
5900-1025	0-25.4/0-1.0"	0.0002/0.00001"	0.0018	0.001	Cable	⩽0.0008mm
5900-1050	0-50.8/0-2.0"	0.0002/0.00001"	0.003	0.0015	Cable	⩽0.001mm
5261-1205	0-12.7/0-0.5"	0.0002/0.00001"	0.0014	0.001	Wireless	⩽0.0006mm
5261-1210	0-25.4/0-1.0"	0.0002/0.00001"	0.0018	0.001	Wireless	⩽0.0008mm
5261-1215	0-50.8/0-2.0"	0.0002/0.00001"	0.003	0.0015	Wireless	⩽0.001mm
5261-2205	0-12.7/0-0.5"	0.0002/0.00001"	0.0014	0.001	Zigbee	⩽0.0006mm
5261-2210	0-25.4/0-1.0"	0.0002/0.00001"	0.0018	0.001	Zigbee	⩽0.0008mm
5261-2215	0-50.8/0-2.0"	0.0002/0.00001"	0.003	0.0015	Zigbee	⩽0.001mm

C

SMALL DIGITAL INDICATOR

mm / in | Battery + CR2032 | Data output



- Glass grating for high accuracy and stable performance
- Copper sleeve and rod precisely ground to reduce shaking
- Watchcase made of high-strength aluminum alloy guaranteeing low deformation
- Temperature and humidity test for each product, ensuring the normal use of each in harsh environment
- Calibration certificate provided with total forward error, hysteresis error, total error and deviation error on it

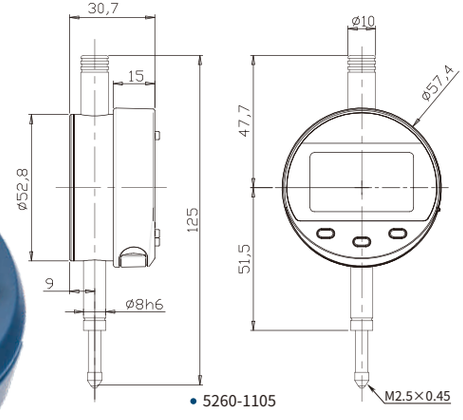
Unit:mm

Code	Range	Graduation	Accuracy
5260-1104	0~5mm /0~0.2"	0.01mm/0.0005"	0.02

DIGITAL INDICATOR

mm / in | Battery + CR2032 | Data output

BEST SELLER



• 5260-1105

- Calibration certificate provided with total forward error, hysteresis error, total error and deviation error on it
- Watchcase made of high-strength aluminum alloy guaranteeing low deformation
- Glass grating for high accuracy and stable performance
- Temperature and humidity test for each product, ensuring the normal use of each in harsh environment
- Copper sleeve and rod precisely ground to reduce shaking
- The functions of tolerance set and tolerance alarm are optional. Alarm light is also available for quick-checking products' tolerance

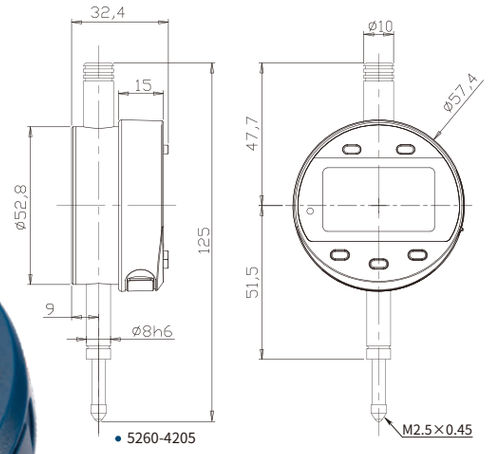
Unit:mm

Code	Range	Resolution	Accuracy
5260-1105	0-12.7/0-0.5"	0.01/0.0005"	0.02
5260-1110	0-25.4/0-1.0"	0.01/0.0005"	0.02
5260-1115	0-50.8/0-2.0"	0.01/0.0005"	0.02
5260-1120	0-101.6/0-4"	0.01/0.0005"	0.02

DIGITAL INDICATOR

WITH 0.001MM RESOLUTION

mm / in | Battery + CR2032 | Data output



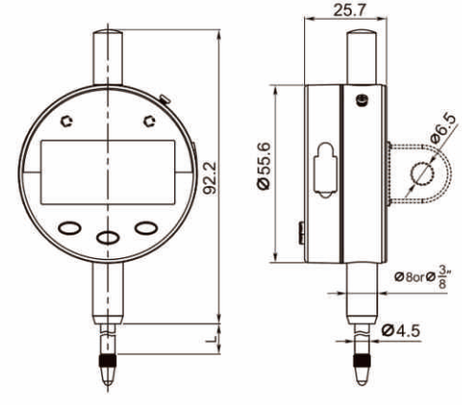
- Calibration certificate provided with total forward error, hysteresis error, total error and deviation error on it
- Watchcase made of high-strength aluminum alloy guaranteeing low deformation
- Glass grating for high accuracy and stable performance
- Temperature and humidity test for each product, ensuring the normal use of each in harsh environment
- Copper sleeve and rod precisely ground to reduce shaking

Unit:mm

Code	Range	Resolution	Accuracy
5260-4205	0-12.7/0-0.5"	0.001/0.00005"	0.004
5260-4210	0-25.4/0-1.0"	0.001/0.00005"	0.005
5260-4215	0-50.8/0-2.0"	0.001/0.00005"	0.006
5260-4220	0-101.6/0-4"	0.001/0.00005"	0.010

DIGITAL INDICATOR

mm / in | Battery + CR2032 | Data output



- Glass grating for high accuracy and stable performance
- Copper sleeve and rod precisely ground to reduce shaking
- Watchcase made of high-strength aluminum alloy guaranteeing low deformation
- Temperature and humidity test for each product, ensuring the normal use of each in harsh environment
- Calibration certificate provided with total forward error, hysteresis error, total error and deviation error on it

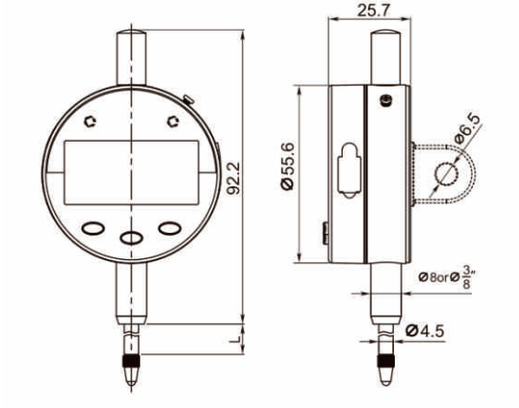
Unit:mm

Code	Range	Graduation	Accuracy
5330-8105	0-12.7mm / 0-0.5"	0.01mm/0.0005"	0.02

C

DIGITAL INDICATOR

mm / in | Battery + CR2032 | Data output



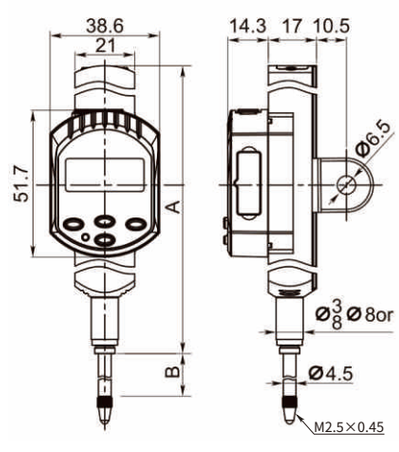
- Glass grating for high accuracy and stable performance
- Copper sleeve and rod precisely ground to reduce shaking
- Watchcase made of high-strength aluminum alloy guaranteeing low deformation
- Temperature and humidity test for each product, ensuring the normal use of each in harsh environment
- Calibration certificate provided with total forward error, hysteresis error, total error and deviation error on it

Unit:mm

Code	Range	Graduation	Accuracy
5130-1105	0-12.7mm / 0-0.5"	0.01mm/0.0005"/ 1/128"	0.02
5130-1110	0-25.4mm / 0-1"	0.01mm/0.0005"/ 1/128"	0.02

ABSOLUTE DIGITAL INDICATOR

- 5140-1120



- 5140-1110

- Large easy-to-read digital display
- With ABS and Metric/Inch Conversion System
- With long battery-use
- With Absolute-Reference System and no need to set the reference point at every power-on

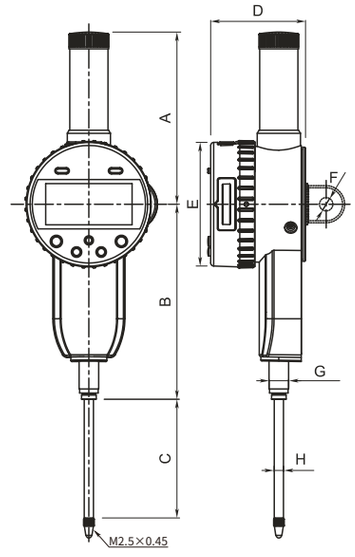
Unit:mm

Code	Range	Graduation	A	B
5140-1105	0-12.7mm / 0-0.5"	0.01mm/0.0005"	101.4	15
5140-1110	0-25.4mm / 0-1"	0.01mm/0.0005"	126.4	37
5140-1115	0-50.8mm / 0-2"	0.01mm/0.0005"	176.9	63
5140-1120	0-101.6mm / 0-4"	0.01mm/0.0005"	277.4	113

DIGITAL INDICATOR

WITH ABSOLUTE FUNCTION

mm/in | Absolute | Data output | Battery + CR2032 | WIRELESS TRANSMITTER



- Wireless system built-in (optional)
- With Absolute-Reference System and no need to set the reference point at every power-on
- Large easy-to-read digital display
- With ABS and Metric/Inch Conversion System
- With long battery-use

Unit:mm

Code	Range	Resolution	A	B	C	D	E	F	G	H	Accuracy
5340-8105	0-12.7/0-0.5"	0.01/0.0005"	60.2	53.8	14.2	40.2	φ60.1	φ6.5	φ8 or 3/8"	φ4.5	0.01/0.0005"
5340-8110	0-25.4/0-1.0"	0.01/0.0005"	55.7	68.8	32.7	46.2	φ61.1	φ6.5	φ8 or 3/8"	φ4.5	0.01/0.0005"
5340-8115	0-50.8/0-2.0"	0.01/0.0005"	83.7	94.8	57.7	46.1	φ61.1	φ6.5	φ8 or 3/8"	φ4.5	0.015/0.001"
5340-9105	0-12.7/0-0.5"	0.001/0.00005"	60.2	53.8	14.2	40.2	φ60.1	φ6.5	φ8 or 3/8"	φ4.5	0.004/0.00016"
5340-9110	0-25.4/0-1.0"	0.001/0.00005"	55.7	68.8	32.7	46.2	φ61.1	φ6.5	φ8 or 3/8"	φ4.5	0.004/0.00016"
5340-9115	0-50.8/0-2.0"	0.001/0.00005"	83.7	94.8	57.7	46.1	φ61.1	φ6.5	φ8 or 3/8"	φ4.5	0.005/0.0002"

WITH ABSOLUTE FUNCTION AND WIRELESS SYSTEM

Unit:mm

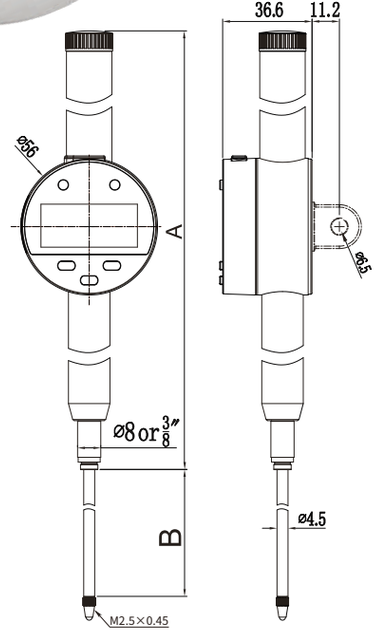
Code	Range	Resolution	A	B	C	D	E	F	G	H	Accuracy
5610-1105-A	0-12.7/0-0.5"	0.01/0.0005"	60.2	53.8	14.2	40.2	φ60.1	φ6.5	φ8 or 3/8"	φ4.5	0.01/0.0005"
5610-1110-A	0-25.4/0-1.0"	0.01/0.0005"	55.7	68.8	32.7	46.2	φ61.1	φ6.5	φ8 or 3/8"	φ4.5	0.01/0.0005"
5610-1115-A	0-50.8/0-2.0"	0.01/0.0005"	83.7	94.8	57.7	46.1	φ61.1	φ6.5	φ8 or 3/8"	φ4.5	0.015/0.001"
5610-4105-A	0-12.7/0-0.5"	0.001/0.00005"	60.2	53.8	14.2	40.2	φ60.1	φ6.5	φ8 or 3/8"	φ4.5	0.004/0.00016"
5610-4110-A	0-25.4/0-1.0"	0.001/0.00005"	55.7	68.8	32.7	46.2	φ61.1	φ6.5	φ8 or 3/8"	φ4.5	0.004/0.00016"
5610-4115-A	0-50.8/0-2.0"	0.001/0.00005"	83.7	94.8	57.7	46.1	φ61.1	φ6.5	φ8 or 3/8"	φ4.5	0.005/0.0002"

C

IP65 DIGITAL INDICATOR

WITH 0.001MM RESOLUTION

IP65 COOLANT&FLUID RESISTANT | mm / in | Battery + CR2032 | Data output

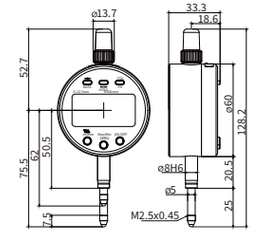


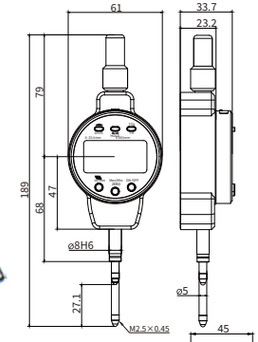
- Inductive measurement system
- IP65 protection against liquid
- Large LCD display with clear reading
- 3V Lithium battery CR2032
- SPC data output
- Tolerance preset and GO/NG judgement
- “+” or “-” direction set

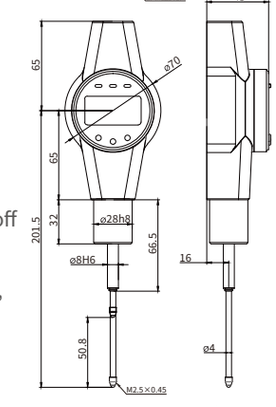
Unit:mm

Code	Range	Resolution	A	B	Accuracy	Repeatability
5820-0005	0-12.7/0-0.5"	0.001/0.00005"	91.9	14.3	0.007/0.0003"	0.003/0.0001"
5820-0010	0-25.4/0-1.0"	0.001/0.00005"	129.2	27	0.008/0.0003"	0.003/0.0001"
5820-0015	0-50.8/0-2.0"	0.001/0.00005"	179.7	52	0.010/0.0004"	0.003/0.0001"
5820-0020	0-101.6/0-4"	0.001/0.00005"	281.8	103.4	0.015/0.0006"	0.003/0.0001"

HIGH PRECISION DIGITAL INDICATOR







- Data output
- Reading in digital and analog
- Linear ball bearings for ten million times use
- Absolute encoder, the original data remains after power off
- Button function: data output , tolerance, data preset, data hold, measuring direction change, max./min./TIR, power off time, on/off,mm/inch, adjust resolution
- Power: rechargeable battery, for 24 hours continuous working

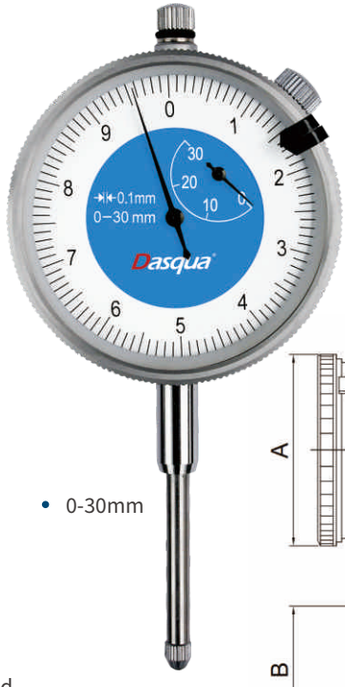
Unit:mm

Code	Range	Adjustable Resolution	Hysteresis	Accuracy	Measuring Force	Data output
5900-0010	0-12.7/0.5"	① 0.0005/0.00002" ② 0.001/0.00005" ③ 0.01/0.0005" 0.003 0.003 0.005 Note for resolution selection: Resolution adjustable to: ① ② ③	0.0015	0.003	1.5N	Cable
5900-0025	0-25.4/1.0"		0.0015	0.003	1.8N	Cable
5900-0050	0-50.8/2.0"		0.0020	0.005	2.2N	Cable
5261-0205	0-12.7/0-0.5"		0.0015	0.003	1.5N	Wireless
5261-0210	0-25.4/0-1.0"		0.0015	0.003	1.8N	Wireless
5261-0215	0-50.8/0-2.0"		0.002	0.005	2.2N	Wireless
5261-3205	0-12.7/0.5"		0.0015	0.003	1.5N	Zigbee
5261-3210	0-25.4/1.0"		0.0015	0.003	1.8N	Zigbee
5261-3215	0-50.8/2.0"		0.002	0.005	2.2N	Zigbee

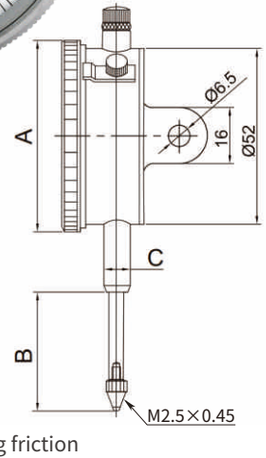
DIAL INDICATOR

WITH GRADUATION 0.1MM

• 0-10mm



• 0-30mm



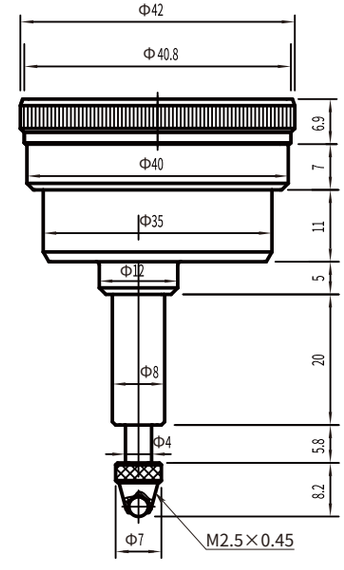
- With calibration certificate
- Limit indicator clips included
- Strictly made in accordance with DIN878
- Jeweled bearings providing the lowest possible bearing friction
- Used to measure surface flatness as well as axial runout and also used to check tool set up and squareness
- Dial Reading:0-10

Unit:mm

Code	Range	Graduation	A	B	C	D	Accuracy	Hysteresis	Style
5121-1305	0-10mm	0.1	ϕ60	70	ϕ55	20	±0.04	0.02	Flat back
5121-1310	0-10mm	0.1	ϕ60	70	ϕ55	70	±0.04	0.02	Lug back
5121-1340	0-20mm	0.1	ϕ60	85	ϕ55	35	±0.04	0.02	Flat back
5121-1345	0-20mm	0.1	ϕ60	85	ϕ55	35	±0.04	0.02	Lug back
5121-1315	0-25mm	0.1	ϕ60	85	ϕ55	35	±0.04	0.02	Flat back
5121-1320	0-25mm	0.1	ϕ60	85	ϕ55	35	±0.04	0.02	Lug back
5121-1325	0-30mm	0.1	ϕ60	90	ϕ55	40	±0.04	0.02	Flat back
5121-1330	0-30mm	0.1	ϕ60	90	ϕ55	40	±0.04	0.02	Lug back

BACK PLUNGER DIAL INDICATOR

DIN 878



- Strictly made in accordance with DIN 878
- Used to measure surface flatness as well as axial runout and also used to check tool set up and squareness in small spaces where the standard dial indicators are difficult to see
- Limit indicator clips included
- Dial Reading:0-100

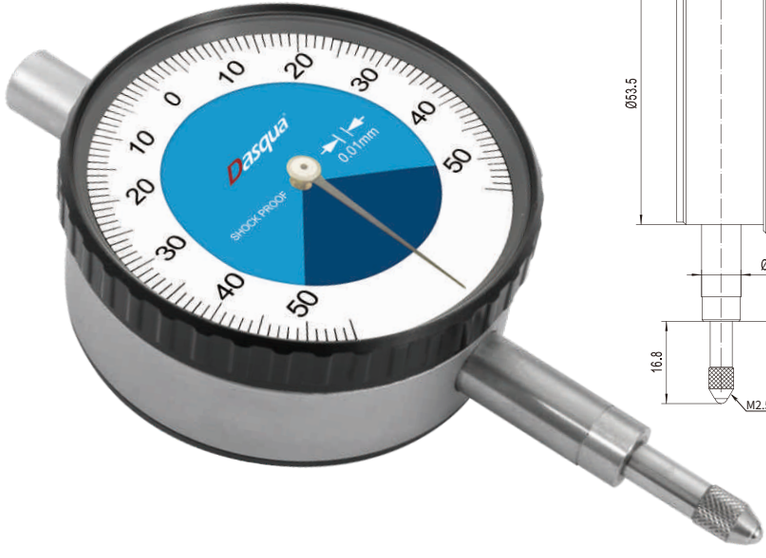
Unit:mm

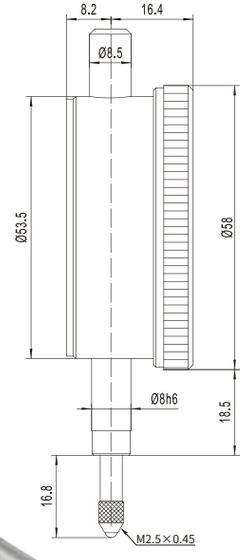
Code	Range	Graduation
5271-0010	0-5	0.01

C

DIAL INDICATOR

WITH ONE-REVOLUTION



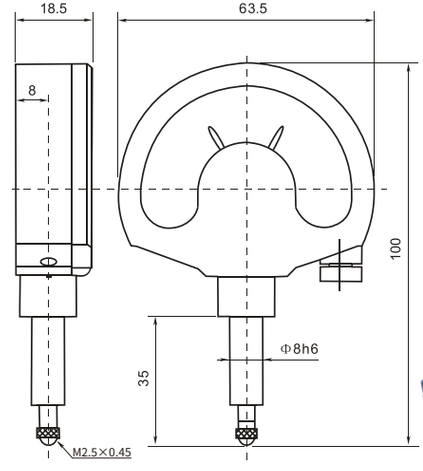


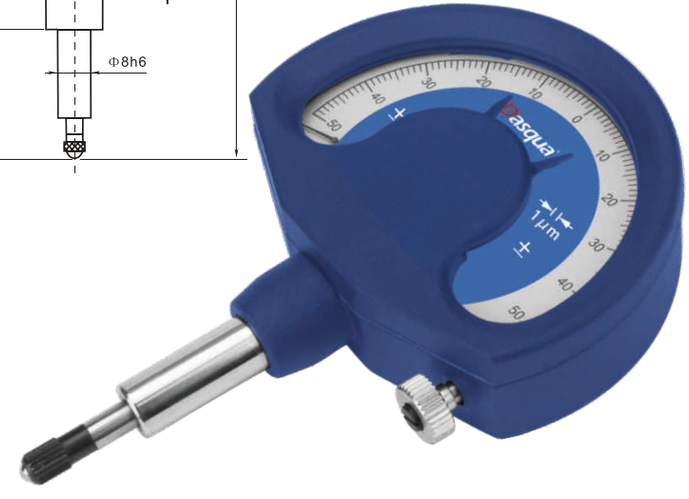
- Unlike many other dial indicators, the one revolution dial indicator literally shows the entire spindle travel or range as one sweep of the hand, eliminating the possibility of reading errors due to miscounting the multiple revolutions
- With one-revolution dial indicators, "within tolerance" and "out-of tolerance" can never misinterpreted
- An unique shock-proof mechanism is incorporated, providing improved immunity to shock due to sudden spindle retraction caused by high impact
- Dial Reading:50-0-50

Unit:mm

Code	Range	Graduation	Style
5351-0005	±0.25	0.01	flat back
5351-2105	±0.25	0.01	lug back
5351-0010	±0.5	0.01	flat back
5351-2110	±0.5	0.01	lug back

COMPARATOR GAUGE





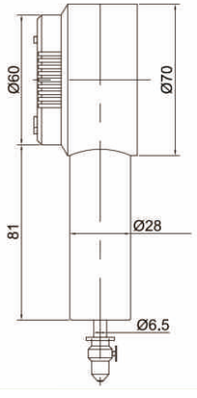
- IP53 protection against liquid
- With shockproof ability
- To check parallelism, smoothness and through running
- Sturdy metal housing with sturdy plastic cover
- Stem and spindle hardened and lapped
- Adjustable tolerance fingers
- With spindle lifting cable
- Dial Reading:50-0-50

Unit:mm

Code	Range	Graduation
5361-0005	±0.05	0.001
5361-0010	±0.002"	0.0005"

DIGITAL COMPARATOR GAUGE

mm / in | Data output | Absolute



- Optional: 5900-0070 Ceramic base (100*100mm)

- Wireless system built-in (optional)
- Calibration certificate provided with total forward error, hysteresis error, total error and deviation error on it
- Watch case made of high-strength aluminum alloy guaranteeing low deformation
- Glass grating for high accuracy and stable performance
- Temperature and humidity test for each product, ensuring the normal use of each in harsh environment

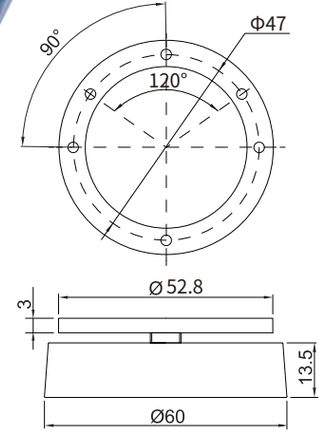
Unit:mm

Code	Range	Graduation	Repeatability	Clamping diameter	Transmission Mode	Accuracy	Hysteresis
5361-0020	0-5mm/0-0.19"	0.002	0.0006	Φ28	Cable	0.0014	0.001
5361-0025	0-5mm/0-0.19"	0.001	0.0003	Φ28	Cable	0.0005	0.0004
5262-0205	0-5mm/0-0.19"	0.002	0.0006	Φ28	Wireless	0.0014	0.001
5262-1205	0-5mm/0-0.19"	0.001	0.0003	Φ28	Wireless	0.0005	0.0004

DIAL INDICATOR

WITH MAGNETIC LUG BACK

- 5111-1010



- 5111-1010

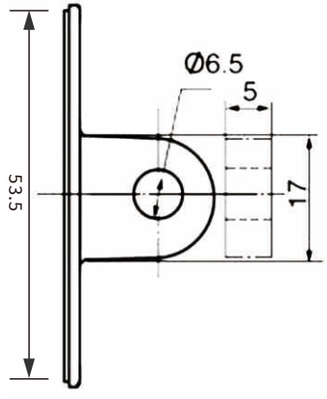
- Permanent powerful magnet
- Fitting for all dial indicator
- Magnet screws off
- Magnetic force: 20kg

Unit:mm

Code	Covering	Range	Graduation
5111-1010	/	/	/
5111-0001	5111-1010	/	/
	5111-0000	0-10	0.01
5122-4211	5111-1010	/	/
	5122-6216	0-1"	0.001"

C

LUG BACK FOR DIAL INDICATOR

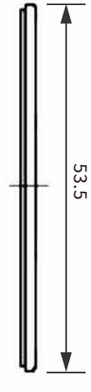


- Optional for Dial indicators

Unit:mm

Code	For dial indicator	
5111-0000-LB	5111-1005	5111-0000

FLAT BACK FOR DIAL INDICATOR



- Optional for Dial indicators

Unit:mm

Code	For dial indicator	
5111-0010	5111-1005	5111-0000

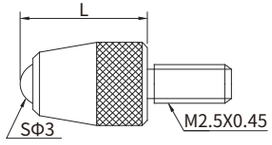
22PCS/SET INDICATOR POINT

- Durable in use
- Suitable for dial gauge
- High strength and hardness
- AGD specifications (M2.5 thread)
- Made of stainless steel, not easy to rust and long service life

Unit:mm

Code	Range	Thread
5121-0010	22PCS/Set Indicator Point	M2.5

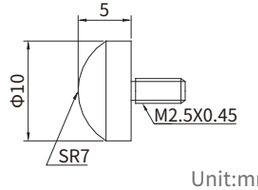
BALL POINT



Unit:mm

Code	Material	L
5333-6101	Carbide	7
5333-6102	Carbide	14
5333-6103	Carbide	10
5333-6104	Carbide	15
5333-6105	Carbide	20
5333-6106	Carbide	25
5333-6107	Carbide	30
5333-6108	Carbide	35
5333-6109	Carbide	40
5333-6110	Carbide	45
5333-6111	Carbide	50
5333-6112	Carbide	60
5333-6113	Carbide	70
5333-6114	Carbide	80
5333-6115	Carbide	90
5333-6116	Carbide	100

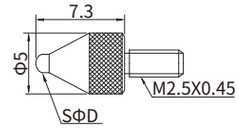
SPHERICAL POINT



Unit:mm

Code	Material
5333-6401	steel

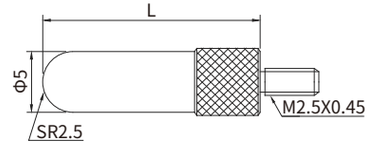
BALL POINT



Unit:mm

Code	Material	SΦD
5333-6301	carbide	1.0
5333-6302	carbide	1.5
5333-6303	carbide	1.8
5333-6304	carbide	2.0
5333-6305	carbide	2.5
5333-6306	carbide	3.0
5333-6307	carbide	3.5
5333-6308	carbide	4.0
5333-6309	carbide	4.5
5333-6310	carbide	5.0

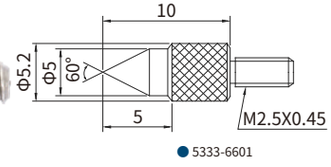
SHELL TYPE POINT



Unit:mm

Code	Material	L
5333-6201	steel	10
5333-6202	steel	10

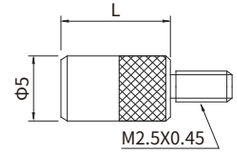
CONICAL POINT



Unit:mm

Code	Material
5333-6601	steel
5333-6701	steel
5333-6901	carbide

FLAT POINT

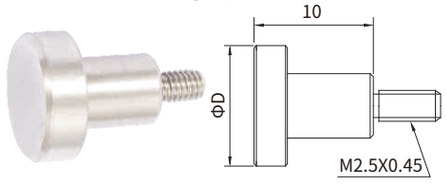


Unit:mm

Code	Material	L
5333-7101	steel	8
5333-7102	steel	10
5333-7103	steel	15
5333-7104	steel	20
5333-7105	steel	8
5333-7106	steel	10
5333-7107	steel	15
5333-7108	steel	20
5333-7109	steel	8
5333-7110	steel	10
5333-7111	steel	15

C

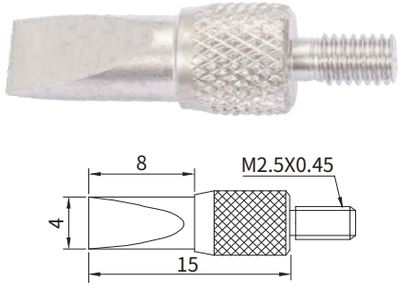
FLAT POINT



Unit:mm

Code	Material	D
5333-7201	steel	4.0
5333-7202	steel	5.0
5333-7203	steel	6.0
5333-7204	steel	8.0
5333-7205	steel	10.0
5333-7206	steel	12.0
5333-7207	steel	15.0
5333-7208	steel	20.0
5333-7209	steel	30.0
5333-7210	steel	8.0
5333-7211	steel	10.0

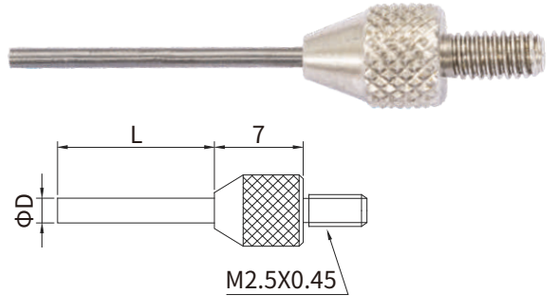
KNIFE EDGE POINT



Unit:mm

Code	Material
5333-7001	steel
5333-7002	carbide

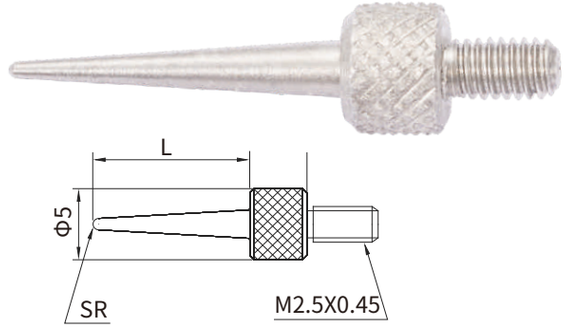
NEEDLE POINT



Unit:mm

Code	Material	L	D
5333-7701	carbide	5	0.5
5333-7702	carbide	10	0.5
5333-7703	carbide	15	0.5
5333-7704	carbide	20	0.5
5333-7705	carbide	2	1.0
5333-7706	carbide	10	1.0
5333-7707	carbide	15	1.0
5333-7708	carbide	20	1.0
5333-7709	carbide	30	1.0
5333-7710	carbide	40	1.0
5333-7711	carbide	50	1.0
5333-7712	carbide	5	1.5
5333-7713	carbide	10	1.5
5333-7714	carbide	15	1.5
5333-7715	carbide	20	1.5
5333-7716	carbide	30	1.5
5333-7717	carbide	40	1.5
5333-7718	carbide	50	1.5
5333-7719	carbide	5	2.0
5333-7720	carbide	10	2.0
5333-7721	carbide	15	2.0
5333-7722	carbide	20	2.0
5333-7723	carbide	30	2.0
5333-7724	carbide	40	2.0
5333-7725	carbide	50	2.0

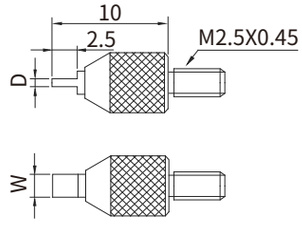
NEEDLE POINT



Unit:mm

Code	Material	L	SR
5333-7601	steel	7	0.2
5333-7602	steel	11	0.2
5333-7603	steel	13	0.2
5333-7604	steel	15	0.2
5333-7605	steel	17	0.2
5333-7606	steel	21	0.2
5333-7607	steel	31	0.2
5333-7608	steel	41	0.2
5333-7609	steel	50	0.2
5333-7610	steel	15	0.3
5333-7611	steel	21	0.3
5333-7612	steel	31	0.3
5333-7613	steel	41	0.3
5333-7614	steel	51	0.3

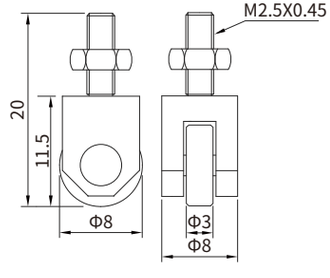
BLADE POINT



Unit:mm

Code	Material	D	W
5333-7801	carbide	0.40	2.0
5333-7802	carbide	0.60	2.0
5333-7803	carbide	0.40	4.0

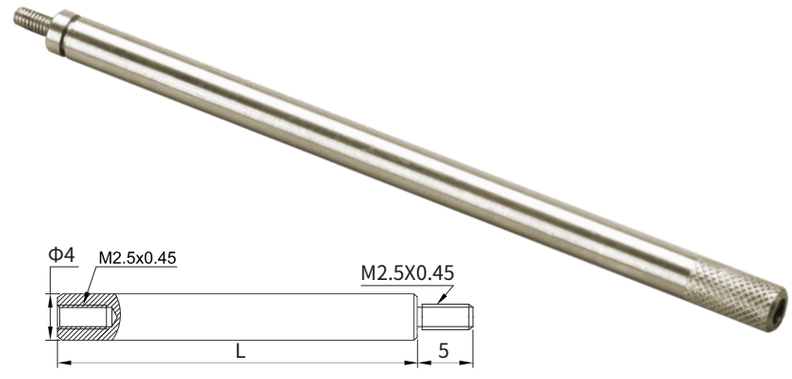
ROLLER POINT



Unit:mm

Code	Material
5333-7901	steel

EXTENSION ROD



Unit:mm

Code	Material	L
5333-8001	steel	10
5333-8002	steel	15
5333-8003	steel	20
5333-8004	steel	25
5333-8005	steel	30
5333-8006	steel	35
5333-8007	steel	40
5333-8008	steel	45
5333-8009	steel	50
5333-8010	steel	55
5333-8011	steel	60
5333-8012	steel	65
5333-8013	steel	70
5333-8014	steel	75
5333-8015	steel	80
5333-8016	steel	90
5333-8017	steel	100
5333-8018	steel	130
5333-8019	steel	150
5333-8020	steel	200
5333-8021	steel	300

DIAL TEST INDICATOR

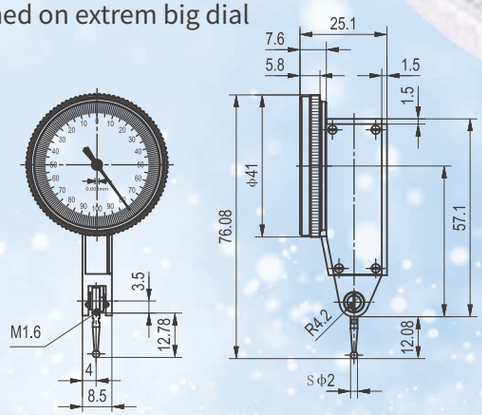
WITH 0.001MM GRADUATION

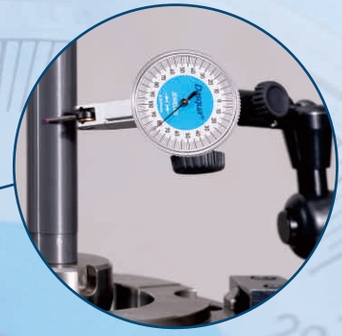
Dasqua Blu
MADE IN GERMANY

- Used to measure surface flatness, straightness and axial runout and easy to reach places where normal indicators can't reach
- Large dial with scratch-resistance coating to make reading clear
- Graduation at 0.001mm, which is better than the limit of most other test indicators(0.002mm)
- With high abrasion resistance and non-magneticness
- Owning water proof ability
- Made in Germany

DIN 2270

- Distinct lines and figures etched on extrem big dial





- Each test indicator is examed carefully and enclosed with calibration certificate

- Jeweled bearing and ruby contact point to ensure high durability

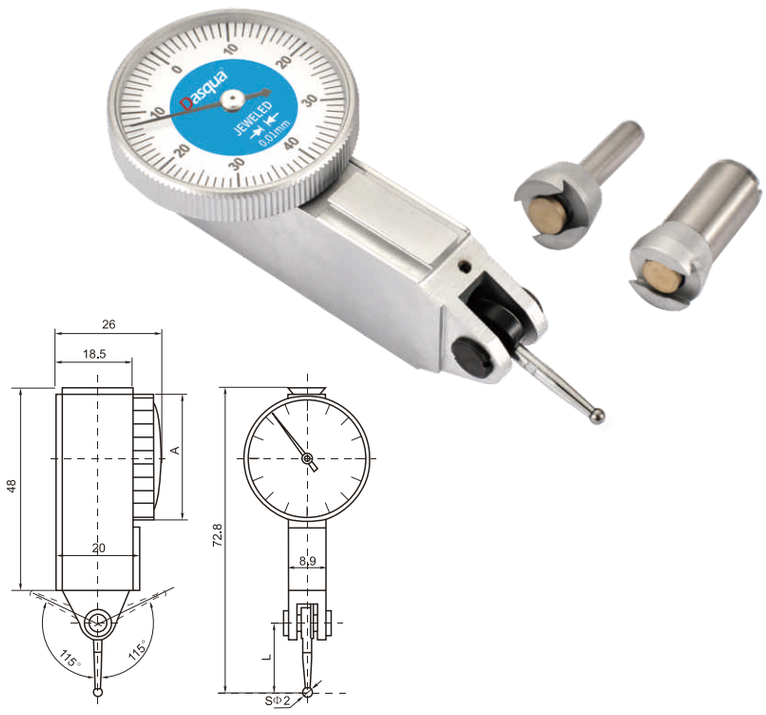
Unit: mm

Code	Range	Graduation	Dail Reading
5221-0105-A	0-0.2	0.001	0-100-0

DIAL TEST INDICATOR

DIN 2270

BEST SELLER



- A hard frame body providing excellent rigidity
- White edge of dial for easy to read
- Hardened and ground contact point
- Satin chrome-finish case for durability
- Precision gear-driven design with smooth movement

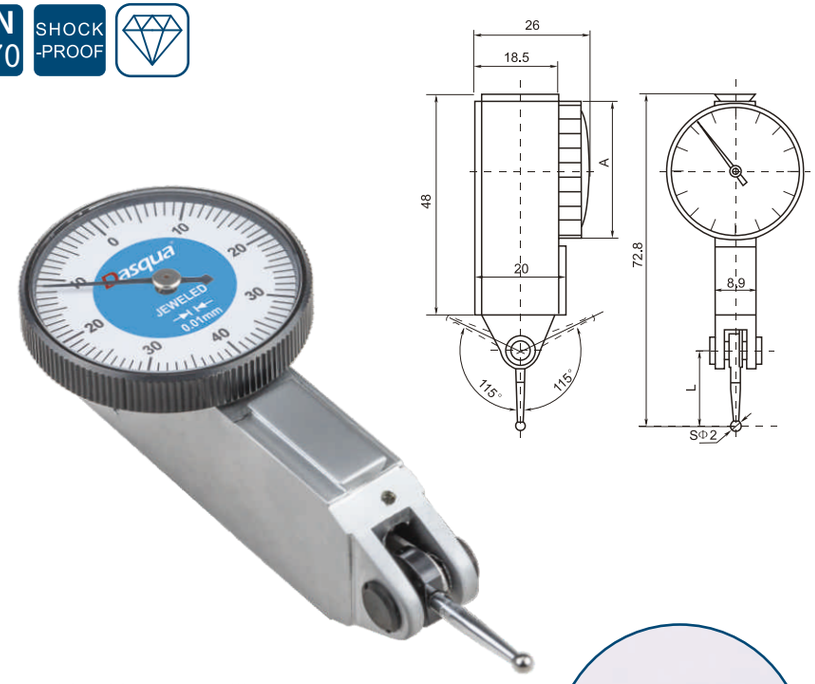
Unit:mm

Code	Range	Graduation	Casing Dia.(**A**)	Length of Stylus(**L**)	Dail Reading	Range per Rev	Accuracy	Styli
5221-0005	0.8	0.01	φ30	16.5	0-40-0	0.8	0.01	Steel
5221-0000	0.8	0.01	φ37.5	16.5	0-40-0	0.8	0.01	Steel
5221-0005-A	0.8	0.01	φ30	16.5	0-40-0	0.8	0.01	Ruby
5221-0000-A	0.8	0.01	φ37.5	16.5	0-40-0	0.8	0.01	Ruby

DIAL TEST INDICATOR

WITH SHOCK-PROOF GEARING

DIN 2270 SHOCK -PROOF



- With calibration certificate
- Tough shock-proof gearing
- A hard frame body providing excellent rigidity
- White edge of dial for easy to read
- Hardened and ground contact point
- Satin chrome-finish case for durability
- Precision gear-driven design with smooth movement

Ruby Styli

Unit:mm

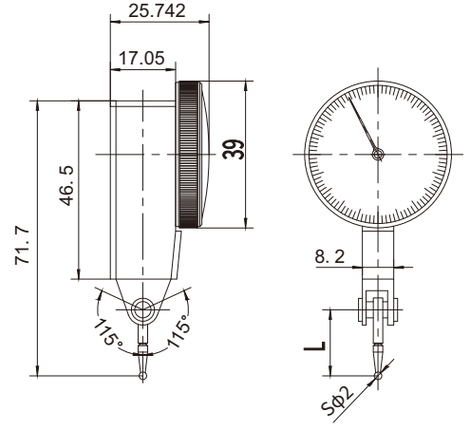
Code	Range	Graduation	Casing Dia.(A)	Length of Stylus(**L**)	Dail Reading	Range per Rev	Accuracy	Styli
5221-1129	0.8	0.01	φ30	16.5	0-40-0	0.8	0.01	Steel
5221-1140	0.8	0.01	φ37.5	16.5	0-40-0	0.8	0.01	Steel
5221-3105	0.2	0.002	φ30	16.0	0-100-0	0.2	0.004	Steel
5221-1129-A	0.8	0.01	φ30	16.5	0-40-0	0.8	0.01	Ruby
5221-1140-A	0.8	0.01	φ37.5	16.5	0-40-0	0.8	0.01	Ruby
5221-3105-A	0.2	0.002	φ30	16.0	0-100-0	0.2	0.004	Ruby

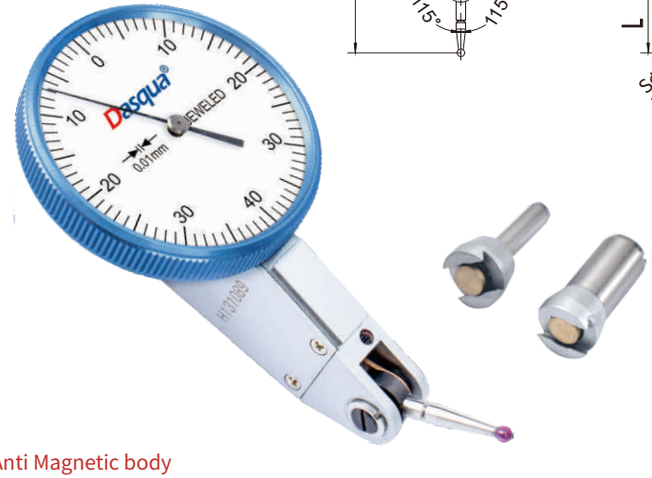
C

DIAL TEST INDICATOR

ANTI MAGNETIC TYPE

DIN 2270 SHOCK -PROOF





- Anti Magnetic body
- With calibration certificate
- Tough shock-proof gearing
- A hard frame body providing excellent rigidity
- White edge of dial for easy to read
- Hardened and ground contact point
- Satin chrome-finish case for durability
- Precision gear-driven design with smooth movement

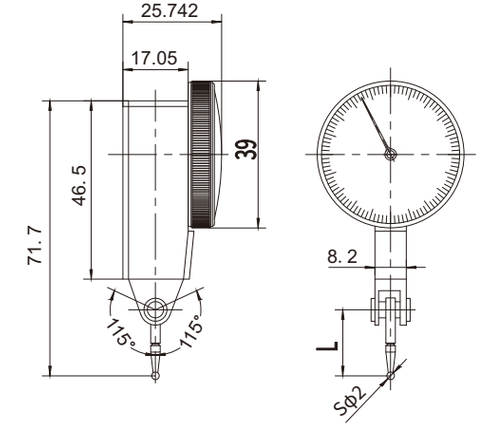
Unit:mm

Code	Range	Graduation	Dail Reading	Range per Revolution	L	Accuracy	Hysteresis	Styli
5221-1145	0.8	0.01	0-40-0	0.8	17.2	±0.013	±0.003	Steel
5221-1145-A	0.8	0.01	0-40-0	0.8	17.2	±0.013	±0.003	Ruby

DIAL TEST INDICATOR

WITH 0.002MM GRADUATION

DIN 2270 SHOCK -PROOF



- Anti Magnetic body
- With calibration certificate
- Tough shock-proof gearing
- A hard frame body providing excellent rigidity
- White edge of dial for easy to read
- Hardened and ground contact point
- Satin chrome-finish case for durability
- Precision gear-driven design with smooth movement

Unit:mm

Code	Range	Graduation	Dail Reading	Range per Revolution	L	Accuracy	Hysteresis	Styli
5223-3105	0.2	0.002	0-100-0	0.2	17.2	±0.004	±0.002	Steel
5223-3105-A	0.2	0.002	0-100-0	0.2	17.2	±0.004	±0.002	Ruby

BI-DIRECTIONAL TEST INDICATOR AND MAG BASE SET

DIN 2270 SHOCK-PROOF

- With auto-reverse contact point
- With jeweled bearing
- Bi-directional constant clockwise rotation
- Hard frame body providing excellent rigidity
- Satin chrome-finish case for durability
- Together with a magnetic base for easy mounting

Unit:mm

Code	Range	Graduation	Dail Reading	Range per Revolution
5221-1000	0-0.8	0.01	0-40-0	0.8

TEST INDICATOR KIT

WITH UNIVERSAL HOLDER

DIN 2270 SHOCK-PROOF

- Tough shock-proof gearing
- A hard frame body providing excellent rigidity
- White edge of dial for easy to read
- Hardened and ground contact point
- Satin chrome-finish case for durability
- Precision gear-driven design with smooth movement
- With Universal holder to measure universal direction

Unit:mm

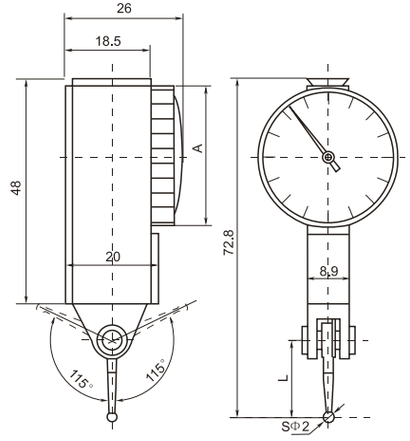
Code	Range	Graduation	Dail Reading	Range per Revolution
5221-1001	0-0.8	0.01	0-40-0	0.8

C

DIAL TEST INDICATOR

WITH LONG STYLI

DIN 2270 SHOCK-PROOF



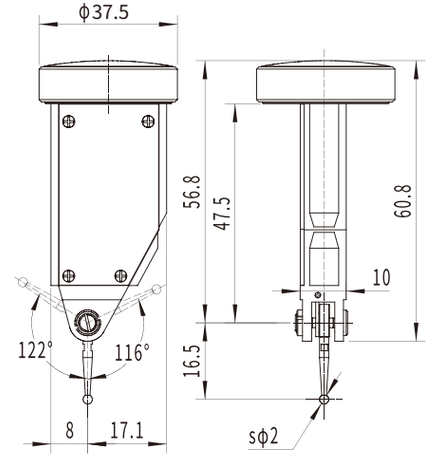
- With calibration certificate
- Tough shock-proof gearing
- With long styli for easily measuring hard-to-get places
- A hard frame body providing excellent rigidity
- White edge of dial for easy to read
- Hardened and ground contact point
- Satin chrome-finish case for durability
- Precision gear-driven design with smooth movement

Unit:mm

Code	Range	Graduation	Casing Dia.(A)	Length of Stylus(L)	Dail Reading	Range per Revolution
5221-1215	0.8	0.013	φ30	30	0-40-0	0.8
5221-1220	0.8	0.013	φ37.5	30	0-40-0	0.8
5221-1205	0.8	0.013	φ30	46.4	0-40-0	0.8
5221-1210	0.8	0.013	φ37.5	46.4	0-40-0	0.8

BACK PLUNGER DIAL TEST INDICATOR

DIN 2270 SHOCK-PROOF



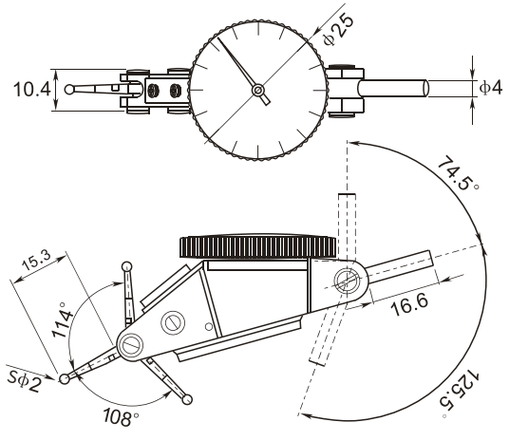
- With upward dial for measuring up side of a large workpiece or high workbench
- With calibration certificate
- Tough shock-proof gearing
- A hard frame body providing excellent rigidity
- White edge of dial for easy to read
- Hardened and ground contact point
- Satin chrome-finish case for durability
- Precision gear-driven design with smooth movement

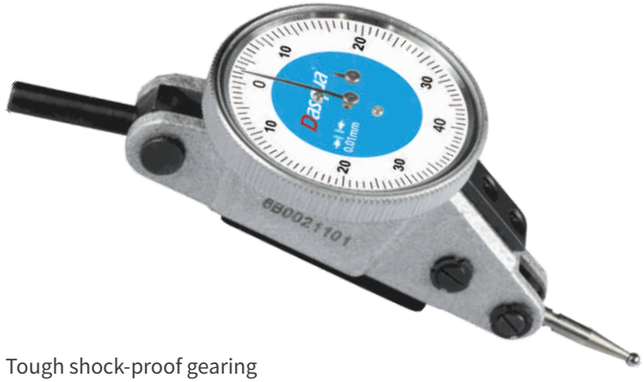
Unit:mm

Code	Range	Graduation	Casing Dia.	Length of Stylus	Dail Reading	Clamping diameter
5461-0005	0.8	0.01	ϕ37.5	16.5	0-40-0	0.8

TWICE RANGE DIAL TEST INDICATOR

DIN 2270 SHOCK -PROOF





- Tough shock-proof gearing
- A hard frame body providing excellent rigidity
- White edge of dial for easy to read
- Satin chrome-finish case for durability
- Precision gear-driven design with smooth movement
- With twice range on large easy-to-read tilted dial

Unit:mm

Code	Range	Graduation	Casing Diameter	Reading
5221-1115	0-1.6	0.01	φ25	0-40-0

TWICE RANGE DIAL TEST INDICATOR KIT

- Tough shock-proof gearing
- A hard frame body providing excellent rigidity
- White edge of dial for easy to read
- Hardened and ground extra contact point
- Satin chrome-finish case for durability
- Precision gear-driven design with smooth movement
- With twice range on large easy-to-read tilted dial

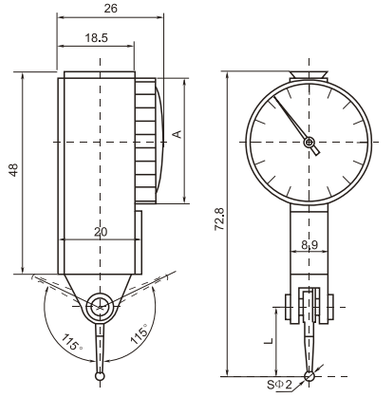
Unit:mm

Code	Range	Graduation	Dail Reading
5221-1002	0-1.6	0.01	0-40-0

C

INCH SIZE
DIAL TEST INDICATOR

ASME B89.1.10M



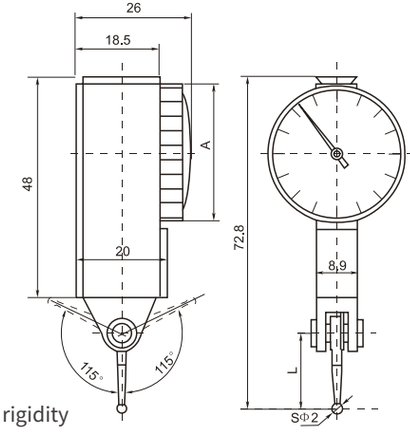
- A hard frame body providing excellent rigidity
- White edge of dial for easy to read
- Hardened and ground contact point
- Satin chrome-finish case for durability
- Precision gear-driven design with smooth movement

Unit:inch

Code	Range	Graduation	Casing Dia.(A)	Length of Stylus(L)	Dail Reading
5610-0165	0-0.03"	0.0005"	1.18"	0.62"	0-15-0
5610-0162	0-0.03"	0.0005"	1.48"	0.62"	0-15-0

INCH SIZE
DIAL TEST INDICATOR

ASME B89.1.10M SHOCK -PROOF



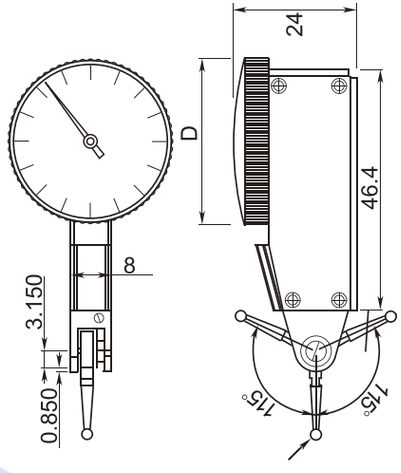
- With calibration certificate
- Tough shock-proof gearing
- A hard frame body providing excellent rigidity
- White edge of dial for easy to read
- Hardened and ground contact point
- Satin chrome-finish case for durability
- Precision gear-driven design with smooth movement

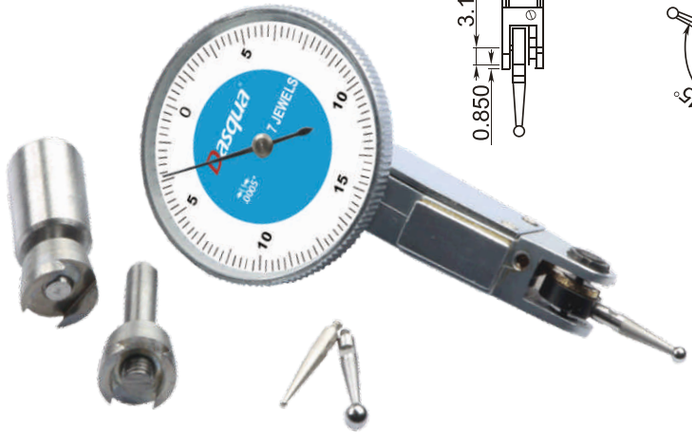
Unit:inch

Code	Range	Graduation	Casing Dia.(A)	Length of Stylus(L)	Dail Reading
5221-3106	0-0.03"	0.0005"	1.18"	0.62"	0-15-0
5222-6105	0-0.02"	0.0005"	1.5"	0.53"	0-15-0

BI-DIRECTIONAL DIAL TEST INDICATOR

ASME B89.1.10M SHOCK -PROOF





- With auto-reverse contact point
- With jeweled bearing
- Bi-directional constant clockwise rotation
- Hard frame body providing excellent rigidity
- Satin chrome-finish case for durability

Unit:mm

Code	Range	Graduation	D	Probe	Dail Reading
5222-6103	0-0.03"	0.0005"	φ40	Sφ1,Sφ2,Sφ3	0-15-0
5222-6106	0-0.02"	0.0005"	φ40	Sφ1,Sφ2,Sφ3	0-15-0
5222-7103	0-0.008"	0.0001"	φ32	Sφ1,Sφ2,Sφ3	0-15-0

BI-DIRECTIONAL TEST INDICATOR AND MAG BASE SET

ASME B89.1.10M SHOCK -PROOF

- With auto-reverse contact point
- With jeweled bearing
- Bi-directional constant clockwise rotation
- Hard frame body providing excellent rigidity
- Satin chrome-finish case for durability
- Together with a magnetic base for easy mounting

Unit:mm

Code	Range	Graduation	Dail Reading
5222-6000	0-0.03"	0.0005"	0-15-0

C

TEST INDICATOR KIT

WITH UNIVERSAL HOLDER

ASME B89.1.10M | SHOCK -PROOF

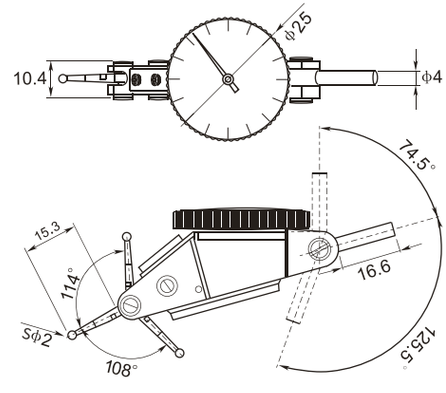
- Tough shock-proof gearing
- A hard frame body providing excellent rigidity
- White edge of dial for easy to read
- Hardened and ground contact point
- Satin chrome-finish case for durability
- Precision gear-driven design with smooth movement
- With Universal holder to measure universal direction

Unit:mm

Code	Range	Graduation	Dail Reading
5222-6001	0-0.03"	0.0005"	0-15-0

TWICE RANGE DIAL TEST INDICATOR

SHOCK -PROOF



- Tough shock-proof gearing
- A hard frame body providing excellent rigidity
- White edge of dial for easy to read
- Satin chrome-finish case for durability
- Precision gear-driven design with smooth movement
- With twice range on large easy-to-read tilted dial

Unit:mm

Code	Range	Graduation	Casing Diameter	Reading
5222-6110	0-0.06"	0.0005"	1.5"	0-15-0

TWICE RANGE DIAL TEST INDICATOR KIT

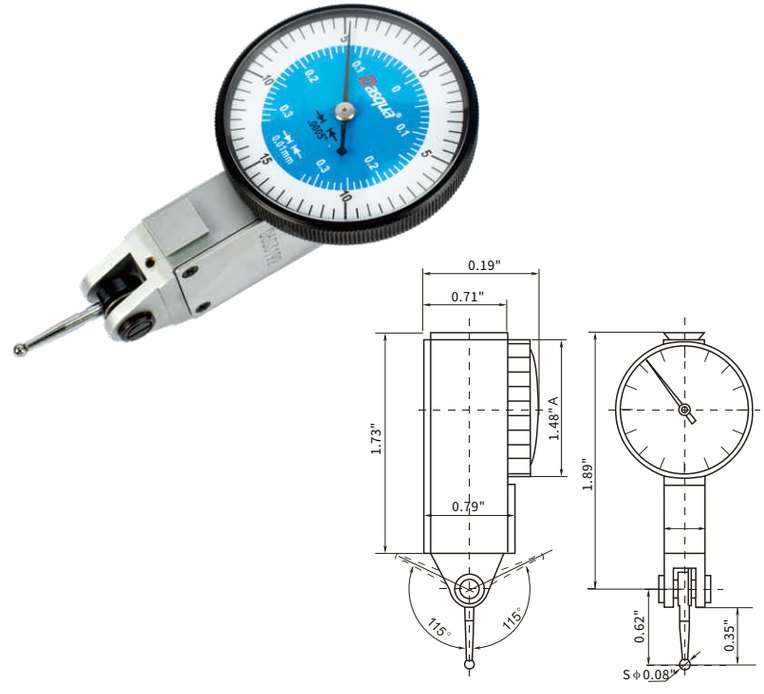
- Tough shock-proof gearing
- A hard frame body providing excellent rigidity
- White edge of dial for easy to read
- Hardened and ground extra contact point
- Satin chrome-finish case for durability
- Precision gear-driven design with smooth movement
- With twice range on large easy-to-read tilted dial

Unit:mm

Code	Range	Graduation	Reading
5222-6002	0-0.06"	0.0005"	0-15-0

METRIC&INCH COMBINED DIAL TEST INDICATOR

ASME B89.1.10M DIN 2270



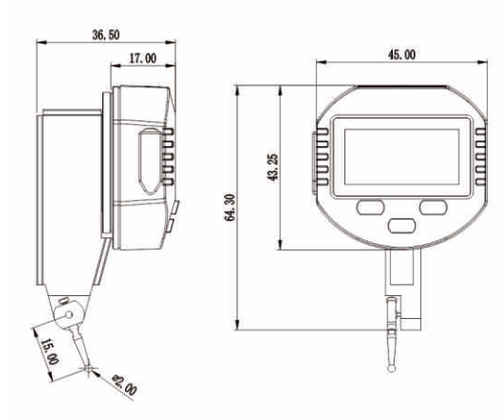
- Metric/Inch system conversion at any position
- A hard frame body providing excellent rigidity
- White edge of dial for easy to read
- Hardened and ground contact point
- Satin chrome-finish case for durability
- Precision gear-driven design with smooth movement

Unit:mm

Code	Range	Graduation	Clamping dia.	Length of Stylus	Reading	Accuracy
5222-6405	0-0.6mm /0.03"	0.01/0.0005"	1.48"	0.62"	0-15-0	±0.0005"

C

IP65 DIGITAL TEST INDICATOR

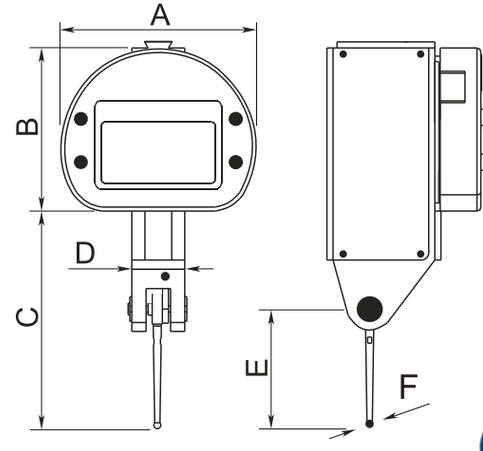


- Carbide probe
- Packed in a fitted case
- With large easy-to-read digital display
- With zero setting and metric-inch conversion functions

Unit:mm

Code	Range	Graduation	Repeatability	Accuracy
5410-8205	0-0.8mm/ 0.03"	0.001mm /0.00005"	0.003mm/0.0005"	0.013mm/0.0005"

DIGITAL TEST INDICATOR



- With large easy-to-read digital display
- With zero setting and metric-inch conversion functions
- Carbide probe
- Packed in a fitted case

Unit:mm

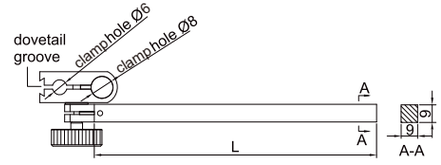
Code	Range	Resolution	A	B	C	D	E	F	Accuracy
5410-9105	0-0.4/0-0.02"	0.001/0.00005"	47.65	40	44.6	13.27	20	sφ2	±0.020

STYLI FOR DIAL TEST INDICATOR

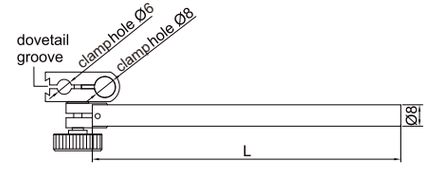
● 5221-1070
Made of ruby

Unit:mm

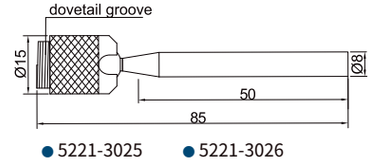
Code	Size	Points' Material
5221-1070	16.5xφ2	ruby
5221-1072	17.8xφ2	ruby



● 5221-3010 ● 5221-3015



● 5221-3020

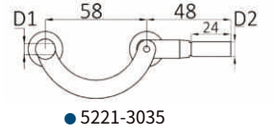


● 5221-3025 ● 5221-3026

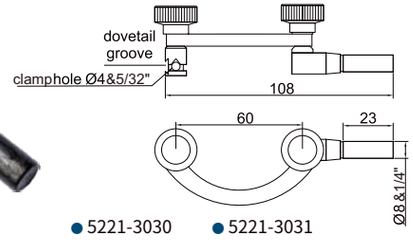
Unit:mm

Code	Size
5221-3010	Stem Section 9x9,Stem length 100,clamp hole 6/8/Dovetail
5221-3015	Stem Section 9x9,Stem length 50,clamp hole 6/8/Dovetail
5221-3020	Stem Section Dia 8,Stem Length115,clamp hole 6/8/Dovetail
5221-3025	Stem Section Dia 8,Stem Length55
5221-3026	Stem Section Dia 1/4",Stem Length 2"
5221-3030	Stem Section Dia 8,clamp hole Dia 4
5221-3031	Stem Section Dia 1/4",clamp hole 5/32"
5221-3035	Stem Section Dia 8,clamp hole Dia 4

HOLDER FOR DIAL TEST INDICATOR



● 5221-3035



● 5221-3030 ● 5221-3031

DIAL BORE GAUGE SET

WITH EXTRA LONG RANGE

Unit:mm

Code	Range	Graduation
5510-0015	18-50	0.01
5510-0010	18-160	0.01
5510-0005	35-160	0.01
5510-0025	50-300mm	0.01
5510-0020	2-12"	0.0005"

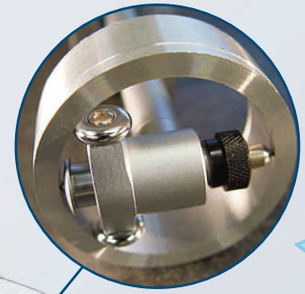
- Large measuring range from 35mm to 160mm
- So cost effective that can reach the range of 2 or 3 dial bore gauges
- Carbide-tipped and ceramic contact points optional for customers' desire
- Strictly made in accordance with DIN878

35-50mm
50-100mm
50-160mm
NORMAL

VS

35-160mm
DASQUA

- Double fulcrum-points design for getting the correct measuring results



DIAL BORE GAUGE

- Used to measure close tolerance of holes, taper and roundness
- Steel body and interchangeable carbide anvils
- Dial indicator fully protected by a rugged cover
- Extension rods and washers for fine adjustment in sizes to select a specific range

Unit:mm

Code	Range	Graduation	Depth
5511-1100	4-6	0.01	40
5511-1105	6-10	0.01	40
5511-1110	10-18	0.01	100
5511-1115	18-35	0.01	150
5511-1120	35-50	0.01	150
5511-1121	35-60	0.01	150
5511-1125	50-100	0.01	150
5511-1130	50-160	0.01	150
5511-1135	160-250	0.01	400
5511-1140	250-450	0.01	400
5512-6105	0.24-0.4"	0.0005"	1.57"
5512-6110	0.4-0.7"	0.0005"	4"
5512-6115	0.7-1.5"	0.0005"	6"
5512-6120	1.4-2.4"	0.0005"	6"
5512-6125	2-4"	0.0005"	6"
5512-6130	2-6"	0.0005"	6"
5512-6135	6-10"	0.0005"	16"
5512-6140	10-16"	0.0005"	16"

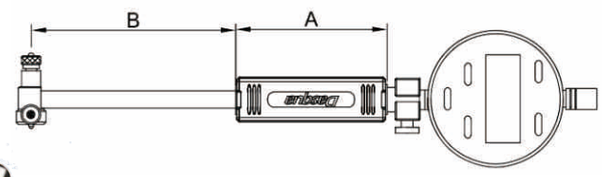
HIGHER PRECISION DIAL BORE GAUGE

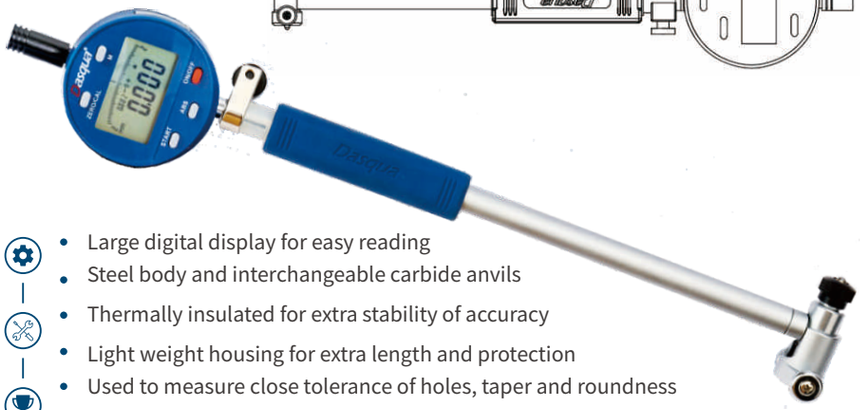
Unit:mm

Code	Range	Graduation	Depth
5511-2105	6-10	0.001	40
5511-2110	10-18	0.001	100
5511-2115	18-35	0.001	150
5511-2120	35-50	0.001	150
5511-2125	50-100	0.001	150
5511-2130	50-160	0.001	150
5511-2135	160-250	0.001	400
5511-2140	250-450	0.001	400
5512-7105	0.24-0.4"	0.0001"	1.57"
5512-7110	0.4-0.7"	0.0001"	4"
5512-7115	0.7-1.5"	0.0001"	6"
5512-7120	1.4-2.4"	0.0001"	6"
5512-7125	2-4"	0.0001"	6"
5512-7130	2-6"	0.0001"	6"
5512-7135	6-10"	0.0001"	16"
5512-7140	10-16"	0.0001"	16"

DIGITAL BORE GAUGE

Data output | mm / in | Battery + CR2032





- Large digital display for easy reading
- Steel body and interchangeable carbide anvils
- Thermally insulated for extra stability of accuracy
- Light weight housing for extra length and protection
- Used to measure close tolerance of holes, taper and roundness
- Extension rods and washers for fine adjustment in sizes to select a specific range

Unit:mm

Code	Range	Graduation	A	B	Accuracy	Anvil Qty	Anvil size
5610-8105	6-10mm/0.24-0.4"	0.002mm/0.0005"	60	40	± 0.012	9	6/6.5/7/7.5/8/8.5/9/9.5/10
5610-8110	10-18mm/0.4-0.7"	0.002mm/0.0005"	60	100	± 0.012	9	9/10/11/12/13/14/15/16/l7/18
5610-8115	18-35mm/0.7-1.5"	0.002mm/0.0005"	80	150	± 0.015	9	18/20/22/24/26/28/30/32/34
5610-8120	35-50mm/1.4-2.4"	0.002mm/0.0005"	80	150	± 0.018	4	35/40/45/50
5610-8125	50-160mm/2-6.3"	0.002mm/0.005"	80	150	±0.018	12	50/55/60/65/70/75/80/85/90/95/100/105
5610-8130	160-250mm/6-10"	0.002mm/0.005"	100	300	±0.018	5	160/170/180/190/ 200
5610-8135	250-450mm/10-16"	0.002mm/0.005"	100	400	±0.018	5	250/260/270/280/290
5612-2005	6-10mm/0.24-0.4"	0.001mm/0.00005"	60	40	± 0.005	9	6/6.5/7/7.5/8/8.5/9/9.5/10
5612-2010	10-18mm/0.4-0.7"	0.001mm/0.00005"	60	100	± 0.005	9	9/10/11/12/13/14/15/16/l7/18
5612-2015	18-35mm/0.7-1.5"	0.001mm/0.00005"	80	150	± 0.006	9	18/20/22/24/26/28/30/32/34
5612-2020	35-50mm/1.4-2"	0.001mm/0.00005"	80	150	± 0.006	4	35/40/45/50
5612-2025	50-160mm/2-6.3"	0.001mm/0.00005"	80	150	± 0.007	12	50/55/60/65/70/75/80/85/90/95/100/105
5612-2030	160-250mm/6-10"	0.001mm/0.005"	100	300	± 0.007	5	160/170/180/190/ 200
5612-2035	250-450mm/10-16"	0.001mm/0.005"	100	400	± 0.007	5	250/260/270/280/ 290

DIAL BORE GAUGE

WITH LONG HANDLE

- Equipped with 0-3mm universal dial indicator
- Carbide-tipped contact points for durability
- The dial indicator is fully protected by a solid cover
- With screw anvils, convenience to set dimension

Unit:mm

Code	Range	Graduation	Depth
5411-0005	35-50	0.01	500
5411-0010	50-160	0.01	500
5411-0015	35-50	0.01	1000
5411-0020	50-160	0.01	1000
5411-0025	160-250	0.01	1000
5411-0030	250-450	0.01	1000
5411-0035	50-160	0.01	1500

EXTENSION ROD FOR BORE GAUGE IN DEEP HOLE MEASUREMENT

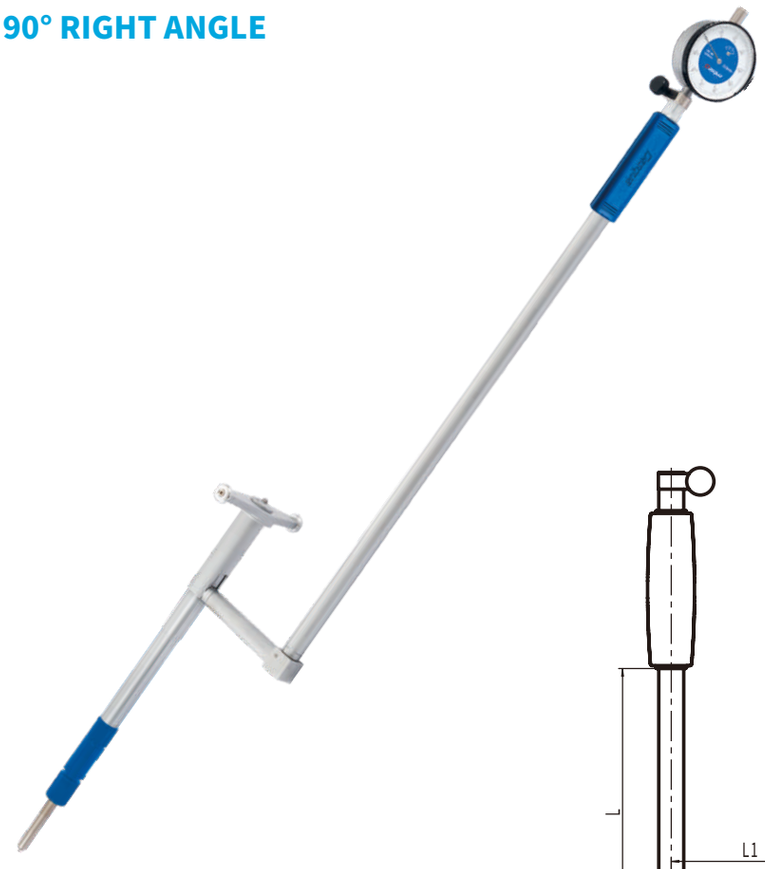
- To extend the handle for deep hole measurement

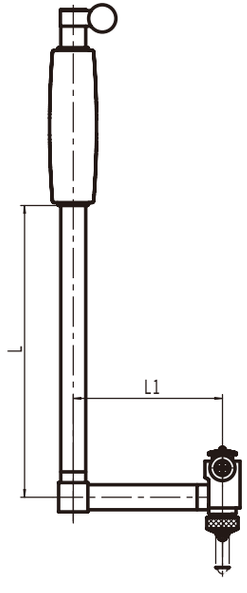
Unit:mm

Code	Roller distance	Available size	Thread
5411-2000	500	35-160mm	500*M8
5411-2001	1000	35-160mm	1000*M8
5411-2005	500	160-450mm	500*M10
5411-2010	1000	160-450mm	1000*M10

DIAL BORE GAUGE

90° RIGHT ANGLE





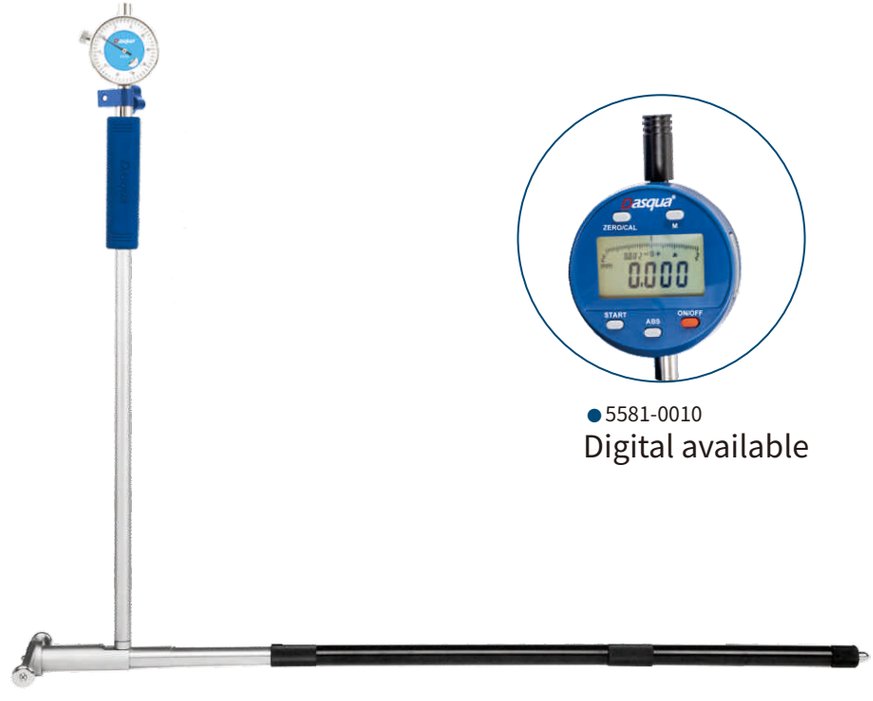
- Equipped with 0-3mm universal dial indicator
- Carbide-tipped contact points for durability
- The dial indicator is fully protected by a solid cover
- With screw anvils, convenience to set dimension
- For inside measurement of deep holes

Unit:mm

Code	Range	Graduation	L	L1
5441-1005	35-50	0.01	150	76.2
5441-1010	50-160	0.01	150	76.2
5441-1015	160-250	0.01	250	100
5441-1020	250-450	0.01	250	100

DIAL BORE GAUGE

WITH LARGE MEASURING RANGE



● 5581-0010
Digital available

- Equipped with 0-3mm universal dial indicator
- Carbide-tipped contact points for durability
- The dial indicator is fully protected by a solid cover
- With screw anvils, convenience to set dimension
- For inside measurement of special holes

Unit:mm

Code	Range	Graduation	Depth
5581-0005	400-800	0.01	400
5581-0010	400-800/16"-32"	0.002/0.0005"	400

BORE GAUGE SETTING MASTER KIT

Features:

- Base anvil: 2.750"x .80'
- Adjustable anvil 2.375" x .375"(two each)
- Intemal capacity:6"/150mm
- Depth capacity: 1"/25mm
- Centralizer capacity width: 2.625"/66.7mm
- Quick-release holder for fast adjustment.
- Can also be used of external setting, depending on application (external mics, snap gages, caliper gages)

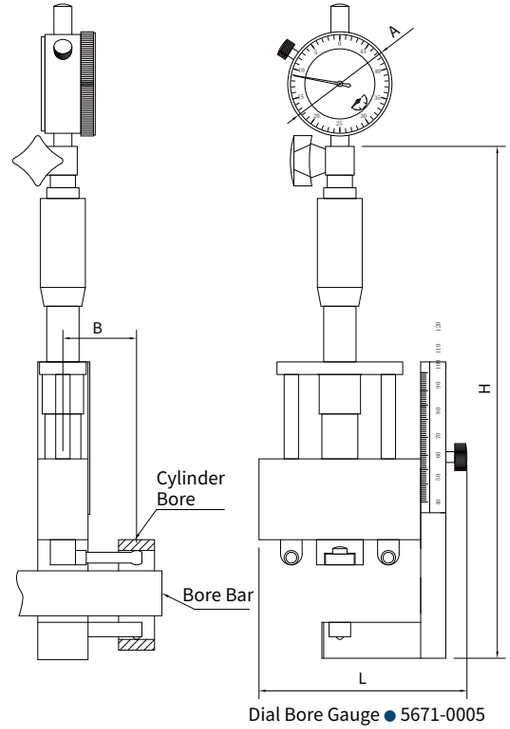
Code	Description	Size
5514-0005	Bore Gauge Master Kit Setting1000*M8	0-6″ Setting Capacity, 36pcs Inch gize gauge blocks
5514-0010	Bore Gauge Master Kit Setting	0-160mm Setting Capacity, 33pcs metric Gauge blocks

GAUGE FOR BEARING METAL BORING MACHINE

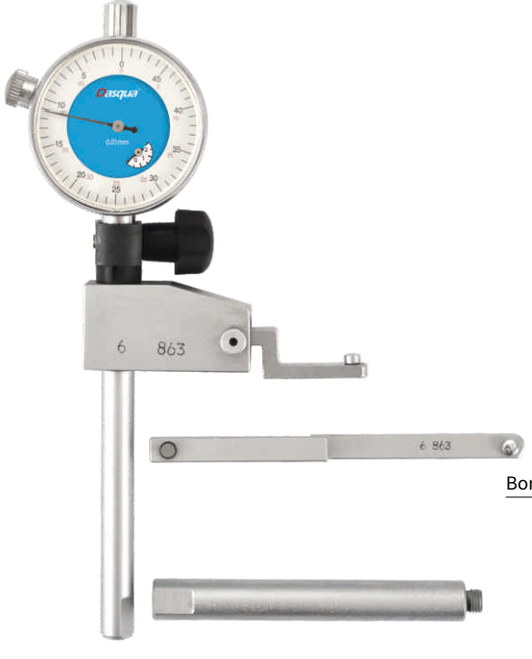
- Used to measure cylinder bore without unloading bore and to adjust the concentricity of cylinder bore and bore bar as well as adjust the highness of bore
- Large dial for easy reading
- Graduation:0.01mm
- Accuracy:0.03mm

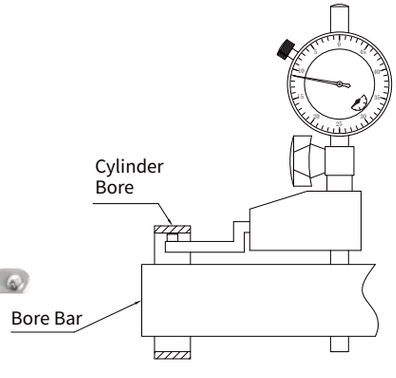
Unit:mm

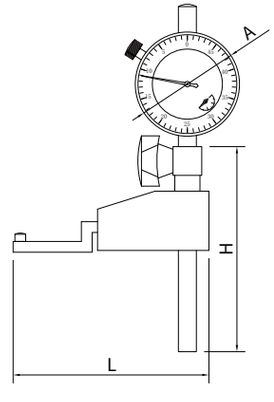
Code	Name	Range	Graduation	A	B	L	H	Accuracy
5671-0005	Dial bore gauge	ϕ48-66(Use to ϕ32 bore bar) ϕ62-100(Use to ϕ45 bore bar)	0.01	φ42	28	77	250	0.03
5671-0010	Tool Setting Dial	ϕ36-66(Use to ϕ32 bore bar) ϕ50-100(Use to ϕ45 bore bar)	0.01	φ42	63	46	100-128	0.03
5671-0015	Centre align dial	ϕ47-75(Use to ϕ32 bore bar) ϕ58-150(Use to ϕ45 bore bar)	0.01	φ42	/	107	111	0.03



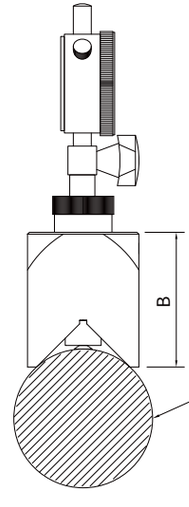
Dial Bore Gauge ● 5671-0005
Used to measure cylinder bore without unloading bore

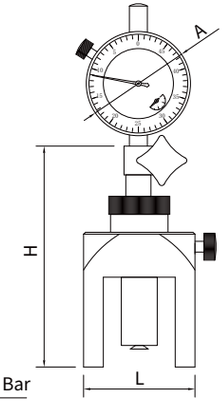






Centre Align Dial ● 5671-0015
Used to adjust the concentricity of cylinder bore and bore bar

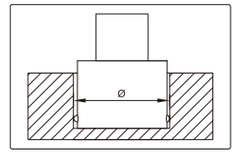


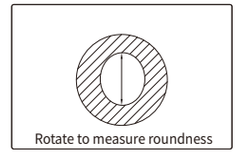


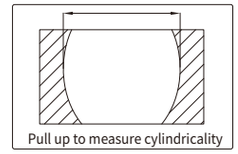
Tool Setting Dial ● 5671-0010
Used to adjust the highness of bore

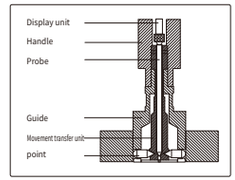
INDICATING PLUG GAGE

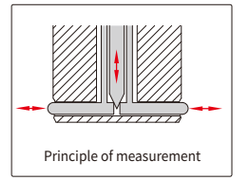
- Easy to use, no need to shake repeatedly to find the minimum value, just insert the measured position to read the value
- The measurement transmission system is very durable and can perform more than 5.000,000 measurement cycles
- Excellent metrological performance is guaranteed for all diameters within the measurement range
- Can be connected to any measuring device (dial type, digital display micrometer or electronic unit)
- Can achieve fast and high-precision measurement on the machine
- The handle can be customized and can be adapted to inductive handle
- High measurement accuracy, repeatability up to 1um
- Strong and unique impact-resistant structure
- Special-shaped probes can be customized
- Measurable diameter range: 3~450mm
- Ring gauges are included

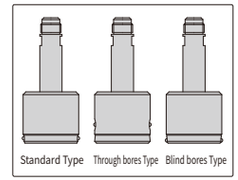










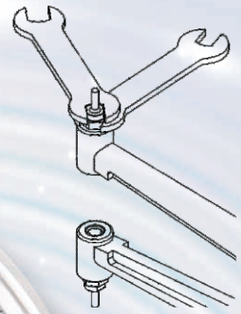


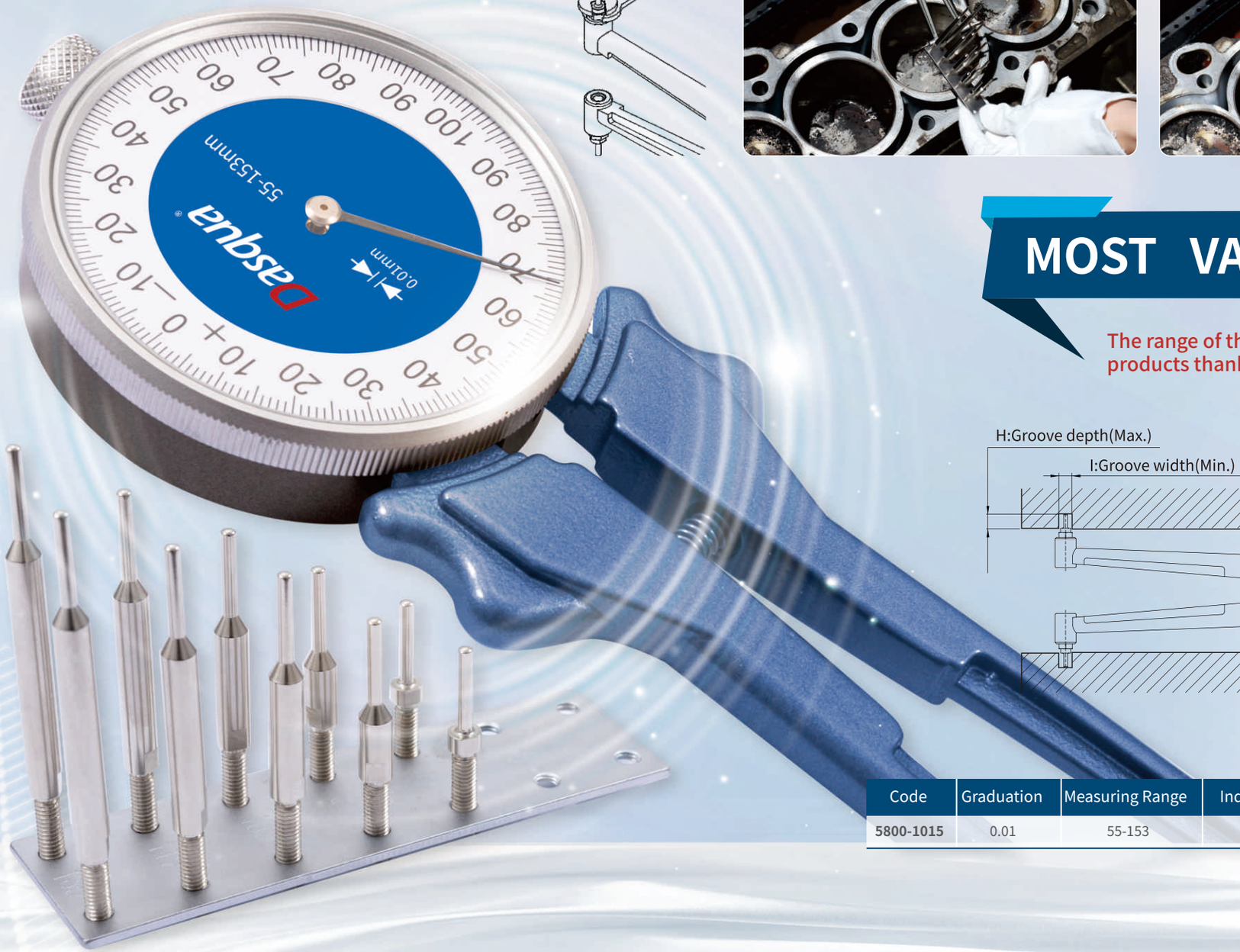
Note: The product is customized, the digital item number is for the convenience of ordering and inquiry, ☐☐ is the actual custom size, For example: measuring a 103.50mm blind hole product, the item number is 6700-0115-10350

Range of Application	Repeatability	Travel	Standard type		Through bores Type		Blind bores Type	
			Code	Height of point	Code	Height of point	Code	Height of point
ϕ3.0-3.5	<0.001	0.15	6700-0101-☐☐	1.3	6700-0201-☐☐	3.5	/	/
ϕ3.5-4.6	<0.001	0.15	6700-0102-☐☐	1.5	6700-0202-☐☐	3.5	/	/
ϕ4.6-6.0	<0.001	0.2-0.25	6700-0103-☐☐	1.5	6700-0203-☐☐	4	/	/
ϕ6.0-9.0	<0.001	0.2-0.25	6700-0104-☐☐	2	6700-0204-☐☐	5	6700-0304-☐☐	1
ϕ9.0-10.0	<0.001	0.2-0.25	6700-0105-☐☐	2.5	6700-0205-☐☐	10	6700-0305-☐☐	1.2
ϕ10.0-12.0	<0.001	0.2-0.4	6700-0106-☐☐	2.5	6700-0206-☐☐	10	6700-0306-☐☐	1.2
ϕ12.0-20.0	<0.001	0.2-0.4	6700-0107-☐☐	2.8	6700-0207-☐☐	10	6700-0307-☐☐	1.2
ϕ20.0-45.0	<0.001	0.2-0.4	6700-0108-☐☐	4	6700-0208-☐☐	10	6700-0308-☐☐	2.2
ϕ45.0-50.0	<0.001	0.2-0.4	6700-0109-☐☐	4.5	6700-0209-☐☐	10	6700-0309-☐☐	4.5
ϕ50.0-60.0	<0.002	0.4	6700-0110-☐☐	4.5	6700-0210-☐☐	10	6700-0310-☐☐	4.5
ϕ60.0-70.0	<0.002	0.4	6700-0111-☐☐	4.5	6700-0211-☐☐	10	6700-0311-☐☐	4.5
ϕ70.0-80.0	<0.002	0.4	6700-0112-☐☐	4.5	6700-0212-☐☐	10	6700-0312-☐☐	4.5
ϕ80.0-90.0	<0.002	0.4	6700-0113-☐☐	4.5	6700-0213-☐☐	10	6700-0313-☐☐	4.5
ϕ90.0-100.0	<0.002	0.4	6700-0114-☐☐	4.5	6700-0214-☐☐	10	6700-0314-☐☐	4.5
ϕ100.0-110.0	<0.002	0.4	6700-0115-☐☐	4.5	6700-0215-☐☐	10	6700-0315-☐☐	4.5
ϕ110.0-120.0	<0.002	0.4	6700-0116-☐☐	4.5	6700-0216-☐☐	10	6700-0316-☐☐	4.5
ϕ120.0-130.0	<0.002	0.4	6700-0117-☐☐	4.5	6700-0217-☐☐	10	6700-0317-☐☐	4.5
ϕ130.0-140.0	<0.002	0.4	6700-0118-☐☐	4.5	6700-0218-☐☐	10	6700-0318-☐☐	4.5
ϕ140.0-150.0	<0.002	0.4	6700-0119-☐☐	4.5	6700-0219-☐☐	10	6700-0319-☐☐	4.5
ϕ150.0-160.0	<0.002	0.4	6700-0120-☐☐	4.5	6700-0220-☐☐	10	6700-0320-☐☐	4.5
ϕ160.0-170.0	<0.002	0.4	6700-0121-☐☐	4.5	6700-0221-☐☐	10	6700-0321-☐☐	4.5
>ϕ170.0	<0.002	0.4			6700-0122-☐☐			

Must select accessory	6700-0015	Short handle	Alternative
	6700-0020	Long handle	
	5261-0205	Single channel grating indicator	Alternative
	5261-3205	Multiple channel grating indicator	

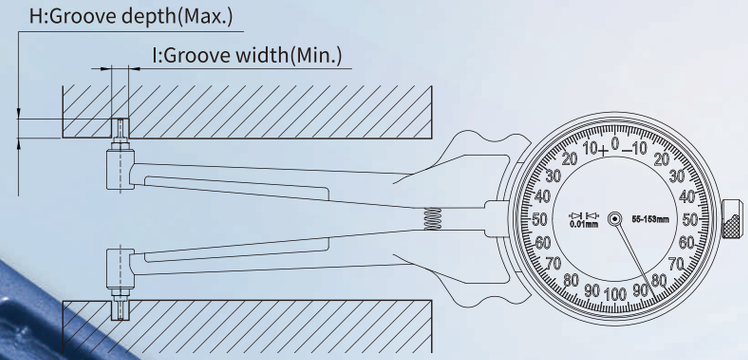
INTERCHANGEABLE POINTS BORE GAUGE





MOST VALUE SAVER

The range of this product equals 5 same-kind products thanks to interchangeable points.

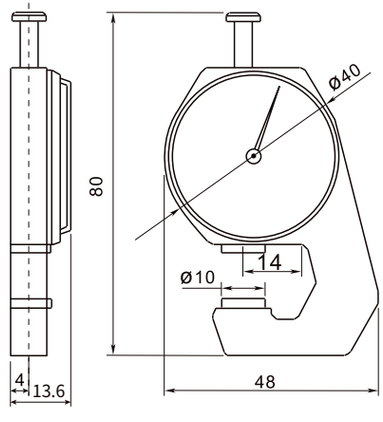


Unit:mm

Code	Graduation	Measuring Range	Indicating range	H	I	Error
5800-1015	0.01	55-153	2	90	3.5	±20μm

C

THICKNESS GAUGE

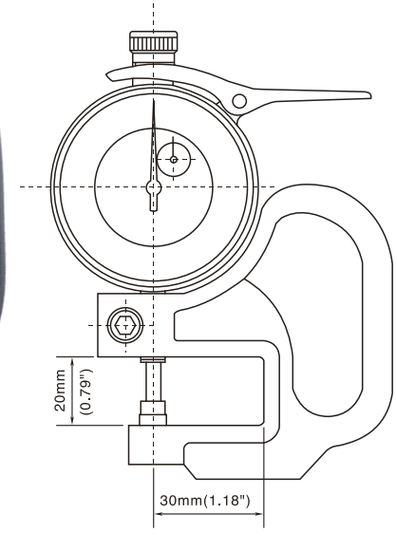


- Thickness gauges are attachment to the dial indicators and offer a quick and efficient means with a convenient grip handle to measure the thickness of paper, leather, rubber, fabric, metal plate, glass ,plastic plate, etc
- With steel or ceramic measuring faces
- Sturdy light metal frame, lacquered, with spindle lifting lever
- Stainless spindle, hardened and precision ground

Unit:mm

Code	Range	Graduation	Accuracy
5841-8110	0-10	0.1	±0.05

THICKNESS GAUGE



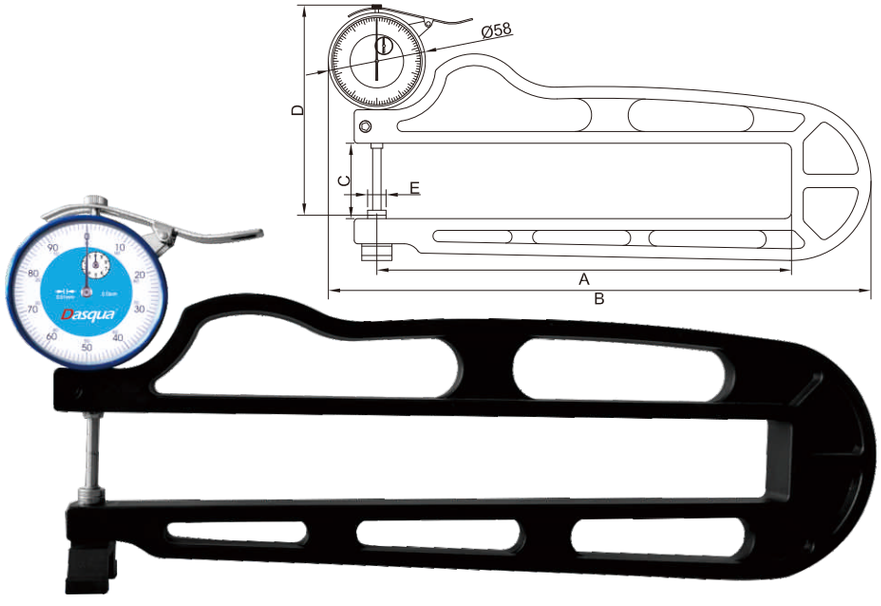
● 5841-8105

- With ceramic measuring faces
- Thickness gauges are attachment to the dial indicators and offer a quick and efficient means with a convenient grip handle to measure the thickness of paper, leather, rubber,fabric, metal plate, glass ,plastic plate, etc
- Sturdy light metal frame, lacquered, with spindle lifting lever
- Stainless spindle, hardened and precision ground

Code	Range	Graduation	Accuracy
2140-8115	0-10mm	0.01mm	±0.02mm
5841-8105	0-10mm	0.01mm	±0.02mm
5841-8130	0-20mm	0.01mm	±0.03mm
5841-8106	0-30mm	0.01mm	±0.035mm
5842-4105	0-1/2"	0.0005"	±0.001"
5841-8115	0-1mm	0.001mm	±0.005mm
5841-8120	0-1mm	0.001mm	±0.005mm
5841-8125	0-1mm	0.001mm	±0.005mm

THICKNESS GAUGE

WITH DEEP-THROAT



- Contact point and the flat anvil areceramic for corrosion resistance
- Depth throat for measuring thethickness ofitems where a greater depth is required
- Grip handle, thumb trigger, andspring-loaded spindle for accurate measurements
- Provide quick and efficient inspection of thickness

Unit:mm

Code	Range	Graduation	A	B	C	D	E	Accuracy
5841-1111	0-10	0.01/0.0005	200	270	36	138	φ10	±0.02
5841-1112	0-10	0.01/0.0005	300	375	36	138	φ10	±0.02
5841-1113	0-10	0.01/0.0005	400	495	36	138	φ10	±0.02
5841-1114	0-10	0.01/0.0005	500	593	53	165	φ10	±0.02
5841-1115	0-30	0.01/0.0005	200	276	78	232	φ10	±0.02
5841-1120	0-30	0.01/0.0005	300	376	78	232	φ10	±0.02
5841-1125	0-30	0.01/0.0005	400	506	53	217	φ10	±0.02
5841-1127	0-30	0.01/0.0005	500	593	53	217	φ10	±0.02
5841-1130	0-50	0.01/0.0005	200	276	78	280	φ10	±0.02
5841-1135	0-50	0.01/0.0005	300	376	78	280	φ10	±0.02
5841-1140	0-50	0.01/0.0005	400	510	78	280	φ10	±0.02
5841-1145	0-50	0.01/0.0005	500	620	78	280	φ10	±0.02

DIGITAL THICKNESS GAUGE

mm/in | Battery + CR2032 | Data output

- Thickness gauges are attachment to the dial indicators and offer a quick and efficient means with a convenient grip handle to measure the thickness of paper, leather, rubber ,fabric, metal plate, glass, plastic plat, etc
- With large LCD Screen and provide error-free reading
- With ceramic measuring faces
- With convenient grip handle, thumb trigger and spring-loaded spindle for accurate measurements

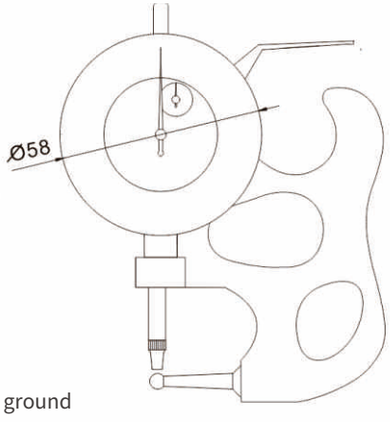
Unit:mm

Code	Range	Resolution	Accuracy
5840-6200	0-10/0-0.4"	0.01/0.0005"	±0.02

C

TUBE THICKNESS GAUGE

DIN 878



- Thickness gauges are attachment to the dial indicators and offer a quick and efficient means with a convenient grip handle to measure the thickness of paper, leather, rubber,fabric, metal plate, glass , plastic plate, etc
- With ceramic measuring faces
- Sturdy light metal frame, lacquered, with spindle lifting lever
- Stainless spindle, hardened and precision ground

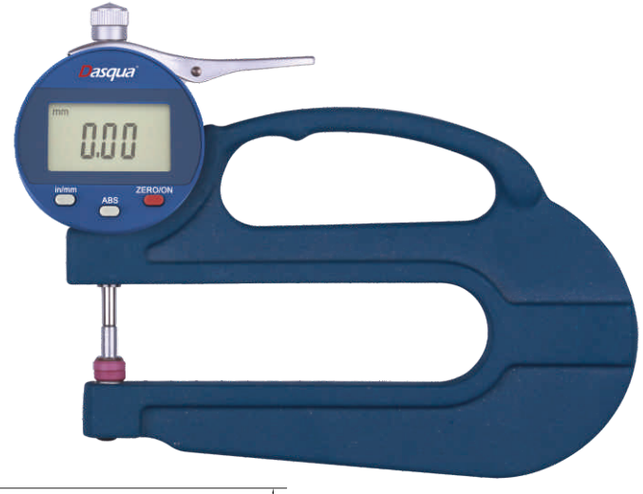
Unit:mm

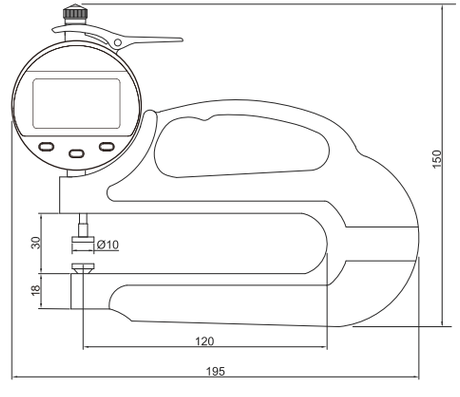
Code	Range	Graduation	Accuracy
5841-9105	0-10	0.01	±0.02

DIGITAL THICKNESS GAUGE

WITH DEEP-THROAT

mm / in | Battery + CR2032 | Data output





- Contact point and the flat anvil are ceramic for corrosion resistance
- 120mm throat for measuring the thickness of items where a greater depth is required
- Grip handle, thumb trigger, and spring-loaded spindle for accurate measurements
- Provide quick and efficient inspection of thickness
- With large LCD Screen and provide error-free reading

Unit:mm

Code	Range	Resolution	Accuracy
5840-6205	0-10/0.4"	0.01/0.0005"	±0.02

DIGITAL THICKNES

WITH DEEP-THROAT

- Contact point and the flat anvil areceramic for corrosion resistance
- Depth throat for measuring thethickness ofitems where a greater depth is required
- Grip handle, thumb trigger, andspring-loaded spindle for accurate measurements
- Provide quick and efficient inspection of thickness
- With large LCD Screen and provide error-free reading

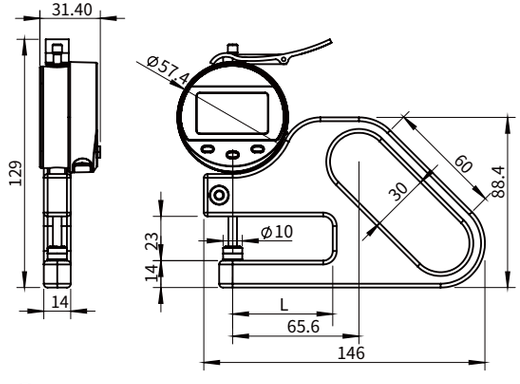
Unit:mm

Code	Range	Graduation	A	B	C	D	E	Accuracy
5839-0005	0-10	0.01/0.0005	200	270	36	138	φ10	±0.02
5839-0010	0-10	0.01/0.0005	300	375	36	138	φ10	±0.02
5839-0015	0-10	0.01/0.0005	400	495	36	138	φ10	±0.02
5839-0020	0-10	0.01/0.0005	500	593	53	165	φ10	±0.02
5839-0105	0-30	0.01/0.0005	200	276	78	232	φ10	±0.02
5839-0110	0-30	0.01/0.0005	300	376	78	232	φ10	±0.02
5839-0115	0-30	0.01/0.0005	400	506	53	217	φ10	±0.02
5839-0120	0-30	0.01/0.0005	500	593	53	217	φ10	±0.02
5839-0205	0-50	0.01/0.0005	200	276	78	280	φ10	±0.02
5839-0210	0-50	0.01/0.0005	300	376	78	280	φ10	±0.02
5839-0215	0-50	0.01/0.0005	400	510	78	280	φ10	±0.02
5839-0220	0-50	0.01/0.0005	500	620	78	280	φ10	±0.02

DIGITAL THICKNESS GAUGE

WITH BLACK HANDLE

mm / in | Battery + CR2032 | Data output



- Handle with anodization for longer service life
- Contact point and the flat anvil are ceramic for corrosion resistance
- Grip handle, thumb trigger, and spring-loaded spindle for accurate measurements
- Provide quick and efficient inspection of thickness
- With large LCD Screen and provide error-free reading

Unit:mm

Code	Range	Resolution	L	Accuracy
5840-6215	0-10/0.4"	0.01/0.0005"	30	±0.02
5840-6220	0-10/0.4"	0.01/0.0005"	50	±0.02
5840-6225	0-10/0.4"	0.01/0.0005"	100	±0.02
5840-6230	0-10/0.4"	0.01/0.0005"	120	±0.02

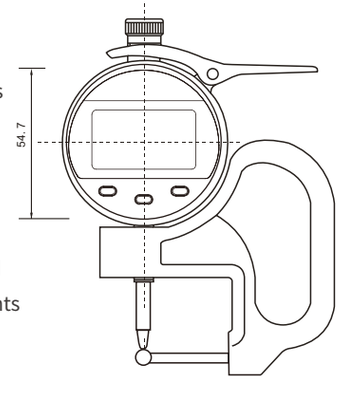
C

DIGITAL GAUGE

FOR TUBE THICKNESS

mm/in | Battery + CR2032 | Data output

- Thickness gauges are attachment to the dial indicators and offer a quick and efficient means with a convenient grip handle to measure the thickness of paper, leather, rubber ,fabric, metal plate, glass, plastic plat, etc
- With ceramic measuring faces
- With convenient grip handle, thumb trigger and spring-loaded spindle for accurate measurements
- With large LCD Screen and provide error-free reading

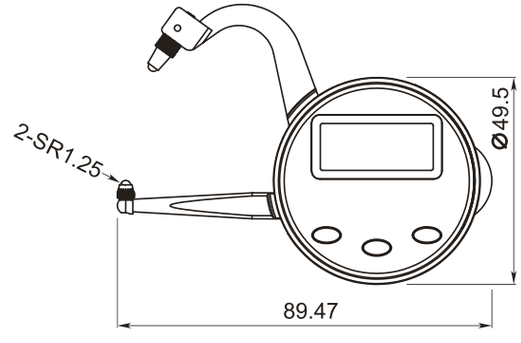


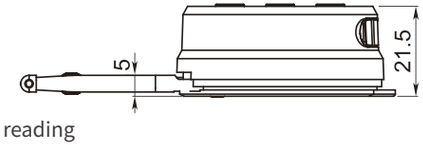
Unit:mm

Code	Range	Graduation	Accuracy
5840-6250	0-10mm/ 0-0.4"	0.01mm/0.0005"	±0.02mm

DIGITAL THICKNESS GAUGE

Battery + CR2032 | mm/in/F





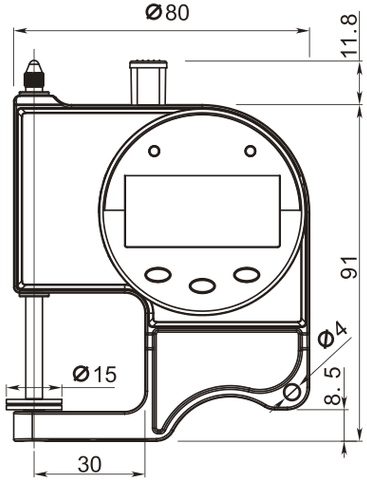
- Spring loaded travel
- Large LCD display for easy and clear reading
- Class A for electrostatic discharge
- The compact size and lightweight ensure it is very convenient ,handy and easy to operate
- Data hold function

Unit:mm

Code	Range	Resolution	Accuracy
2140-8105	0-25/0-1"	0.01/0.0005"/1/64"	0.05/0.002"

DIGITAL THICKNESS GAUGE

Battery + CR2032 | mm / in / F

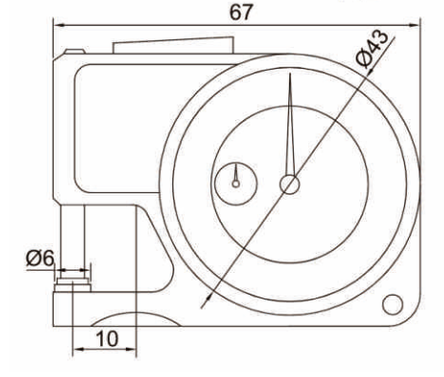


- Spring load movement with a push button
- Large LCD display for easy and clear readings
- Thickness measurement of different materials
- Data hold function

Unit:mm

Code	Range	Resolution	Accuracy
2140-8110	0-25/0-1"	0.01/0.0005"/1/64"	0.05/0.002"

POCKET DIAL THICKNESS GAUGES



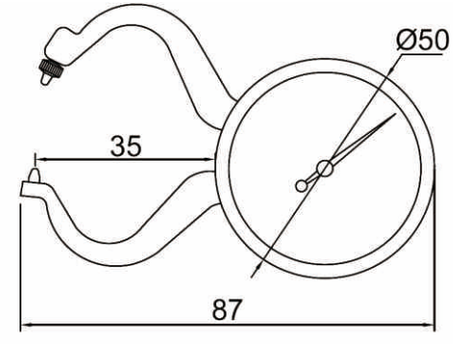
- Designed for carrying convenience and ideally suited for quick inspection of paper, leather, wire, plastic, sheet metal and similar materials
- Aluminum main body, stainless steel contact point and anvil

Unit:mm

Code	Range	Graduation	Accuracy
5841-2005	0-10	0.01	±0.03
5841-2010	0-0.5"	0.001"	±0.001"

C

DIAL THICKNESS GAUGE

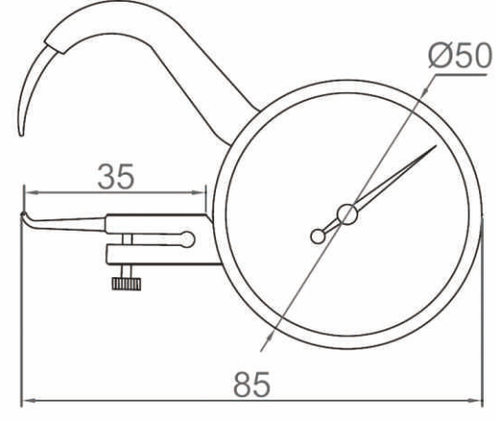


- Thickness gauges are attachment to the dial indicators and offer a quick and efficient means with a convenient grip handle to measure the thickness of paper, leather, rubber,fabric, metal plate, glass ,plastic plate, etc
- Sturdy light metal frame, lacquered, with spindle lifting lever
- Stainless spindle, hardened and precision ground

Unit:mm

Code	Range	Graduation	Accuracy
2140-8106	0-10	0.01	±0.1

DIAL THICKNESS GAUGE

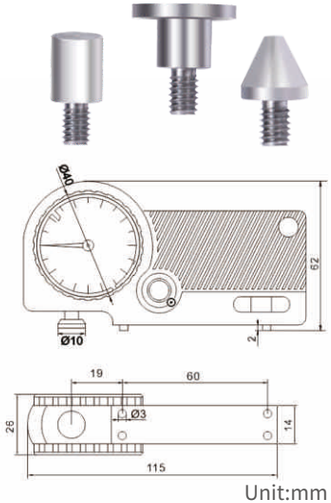


- Thickness gauges are attachment to the dial indicators and offer a quick and efficient means with a convenient grip handle to measure the thickness of paper, leather, rubber,fabric, metal plate, glass ,plastic plate, etc
- Sturdy light metal frame, lacquered, with spindle lifting lever
- Stainless spindle, hardened and precision ground

Unit:mm

Code	Range	Graduation	Accuracy
2140-8120	0-10	0.01	±0.1

SAW TEETH SETTING GAUGE

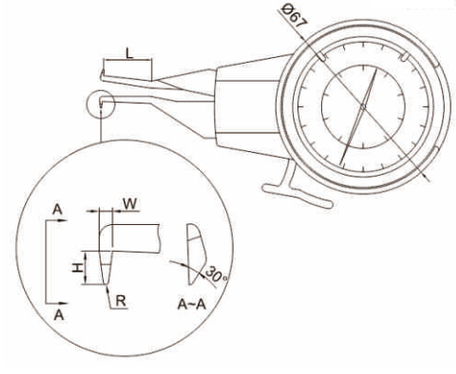


- Dial on both sides
- Hardened bearing pins ground together with the contact point
- Tough, industrial quality metal casting
- Large gripping surface
- Contact point that is hardened and grind

Unit:mm

Code	Range	Graduation	Accuracy
5841-3015	2mm /0.080"	0.02mm /0.001"	±0.04

INTERNAL DIAL CALIPER GAUGE



- To measure the inside groove, bores, other hard to reach inside dimension
- Made of stainless steel
- Easy to use

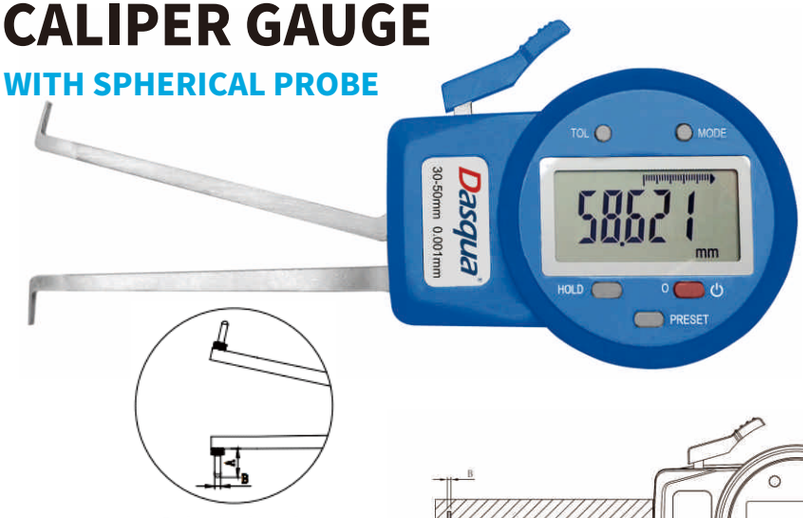
Unit:mm

Code	Range	Graduation	L	W	H	A(R)	Accuracy
5810-2000	5-15	0.01	20	1	1.5	0.3	0.02
5810-2001	5-25	0.01	35	1	1.5	0.3	0.03
5810-2002	10-30	0.01	55	2	3.5	0.5	0.03
5810-2003	20-40	0.01	80	3	6.5	0.5	0.03

C

INTERNAL DIGITAL CALIPER GAUGE

WITH SPHERICAL PROBE



- **Spherical probe**

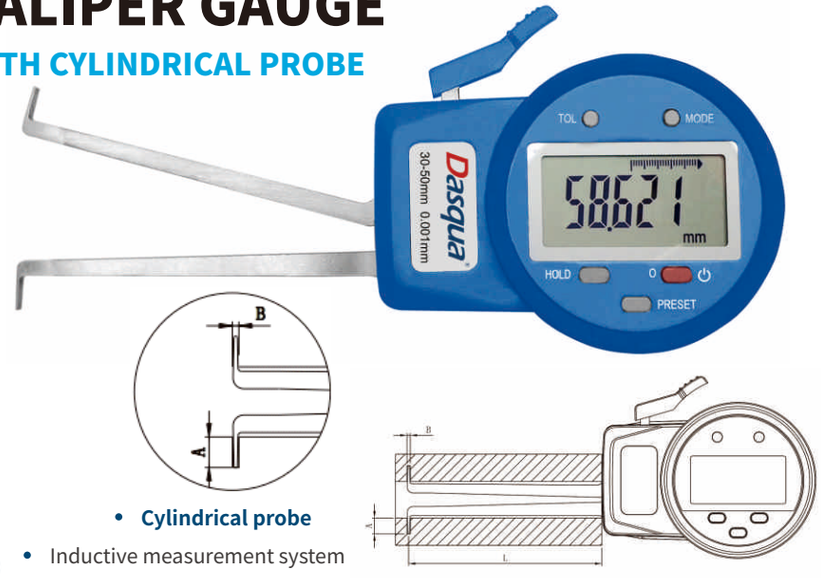
- Inductive measurement system
- IP65 Protection grade
- Built in rechargeable lithium battery
- Built in wireless transmission (optional)
- Tolerance preset and GO/NG judgement
- Display value lock (without this function in built-in wireless transmission models)
- With preset function

Unit:mm

Code	Range	Resolution	A	B	L	Accuracy	Data output
5813-0005	5-15/0.2-0.6"	0.002	2.3	0.8	35	±0.015/±0.0006''	/
5813-0010	10-30/0.4-1.2"	0.005	5.2	1.2	85	±0.025/±0.001''	/
5813-0015	30-50/1.2-2"	0.005	7.2	1.2	85	±0.025/±0.001''	/
5813-0020	50-100/2-4"	0.01	11.7	2.4	236	±0.050/±0.002''	/
5813-0025	100-150/4-6"	0.01	11.7	2.4	236	±0.050/±0.002''	/
5813-0030	150-200/6-8"	0.01	11.7	2.4	236	±0.050/±0.002''	/
5813-0105	5-15/0.2-0.6"	0.002	2.3	0.8	35	±0.015/±0.0006''	Bluetooth
5813-0110	10-30/0.4-1.2"	0.005	5.2	1.2	85	±0.025/±0.001''	Bluetooth
5813-0115	30-50/1.2-2"	0.005	7.2	1.2	85	±0.025/±0.001''	Bluetooth
5813-0120	50-100/2-4"	0.01	11.7	2.4	236	±0.050/±0.002''	Bluetooth
5813-0125	100-150/4-6"	0.01	11.7	2.4	236	±0.050/±0.002''	Bluetooth
5813-0130	150-200/6-8"	0.01	11.7	2.4	236	±0.050/±0.002''	Bluetooth

INTERNAL DIGITAL CALIPER GAUGE

WITH CYLINDRICAL PROBE



- **Cylindrical probe**

- Inductive measurement system
- IP65 Protection grade
- Built in rechargeable lithium battery
- Built in wireless transmission (optional)
- Tolerance preset and GO/NG judgement
- Display value lock (without this function in built-in wireless transmission models)
- With preset function

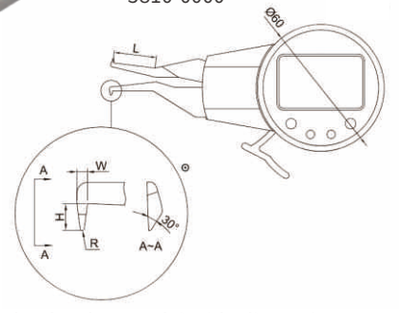
Unit:mm

Code	Range	Resolution	A	B	L	Accuracy	Data output
5813-1005	5-15/0.2-0.6"	0.002	2.3	0.8	35	±0.015/±0.0006''	/
5813-1010	10-30/0.4-1.2"	0.005	5.2	1.2	85	±0.025/±0.001''	/
5813-1015	30-50/1.2-2"	0.005	7.2	2	85	±0.025/±0.001''	/
5813-1020	50-100/2-4"	0.01	11.7	2	236	±0.050/±0.002''	/
5813-1025	100-150/4-6"	0.01	11.7	2	236	±0.050/±0.002''	/
5813-1030	150-200/6-8"	0.01	11.7	2	236	±0.050/±0.002''	/
5813-1105	5-15/0.2-0.6"	0.002	2.3	0.8	35	±0.015/±0.0006''	Bluetooth
5813-1110	10-30/0.4-1.2"	0.005	5.2	1.2	85	±0.025/±0.001''	Bluetooth
5813-1115	30-50/1.2-2"	0.005	7.2	2	85	±0.025/±0.001''	Bluetooth
5813-1120	50-100/2-4"	0.01	11.7	2	236	±0.050/±0.002''	Bluetooth
5813-1125	100-150/4-6"	0.01	11.7	2	236	±0.050/±0.002''	Bluetooth
5813-1130	150-200/6-8"	0.01	11.7	2	236	±0.050/±0.002''	Bluetooth

INTERNAL DIGITAL CALIPER GAUGE-RANGE 10MM

mm / in | Data output | Battery + CR2032

- 5811-0055
- 5810-0000



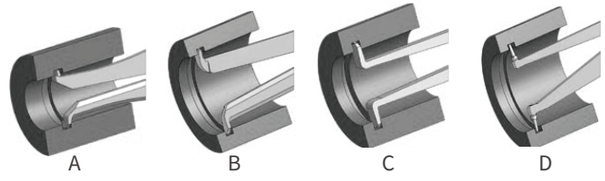
- CR2032 battery
- Automatic power off
- Data transmission
- Display can be rotated 170°
- Relative & absolute conversion
- To measure the inside groove, bores, other hard to reach inside dimension
- Set tolerance, preset value, maximum/minimum value measurement, data hold and other functions

Unit:mm

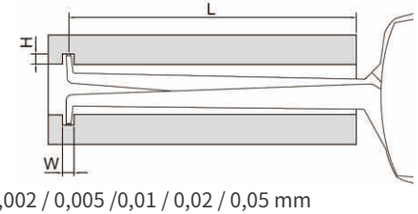
Code	Range	Resolution	L	W	H	A(R)	Accuracy
5811-0000	5-15	0.005	20	1	1.5	0.3	0.02
5811-0035	10-20	0.005	25	1.5	3.0	0.3	0.02
5811-0040	20-30	0.005	30	2	6.5	0.5	0.02
5811-0045	30-40	0.005	30	2.5	9.0	0.5	0.02
5811-0050	40-50	0.005	30	2.5	9.0	0.5	0.02
5811-0055	5-25	0.005	35	1	1.5	0.3	0.03
5811-0060	10-30	0.005	55	2	3.5	0.5	0.03
5811-0065	20-40	0.005	80	3	6.5	0.5	0.03
5811-0070	30-50	0.005	80	3	8.5	0.5	0.03
5811-0075	40-60	0.005	80	3	8.5	0.5	0.03

INTERNAL DIGITAL CALIPER GAUGE

Dasqua Blu — MADE IN GERMANY



- Protection class IP67
- Interactive keypad
- Battery 2x type AAA
- Digital display with analog bar
- Data Logger (100 measuring values)
- Numerical interval adjustable 0,001 / 0,002 / 0,005 /0,01 / 0,02 / 0,05 mm ergonomically designed available on request
- Bluetooth interface up to 8 gauges simultaneously

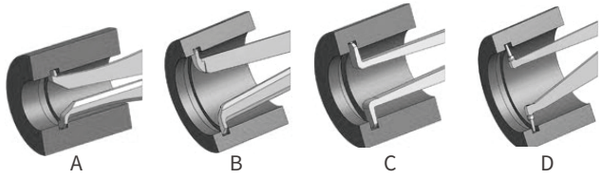


Unit:mm

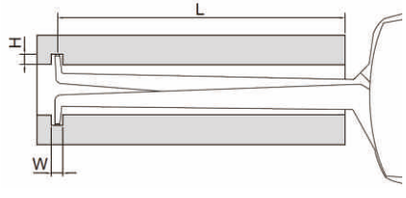
Code	Range	Resolution	Repeatability	Contact Type	H	L	W	Accuracy
5812-2005	2,5 - 12,5	0.005	0.005	A	<0.7	<12	>0.5	±0.015
5812-2010	5 - 15	0.005	0.005	B	<2.3	<35	>0.8	±0.015
5812-2015	10 - 30	0.01	0.01	B	<5.2	<85	>1.2	±0.03
5812-2020	20 - 40	0.01	0.01	C	<7	<85	>1.3	±0.03
5812-2025	30 - 50	0.01	0.01	C	<7	<85	>1.4	±0.03
5812-2030	40 - 60	0.01	0.01	D	<8.3	<85	>1.5	±0.03
5812-2035	50 - 70	0.01	0.01	D	<8.3	<85	>1.6	±0.03

INTERNAL DIAL CALIPER GAUGE

Dasqua Blu MADE IN GERMANY



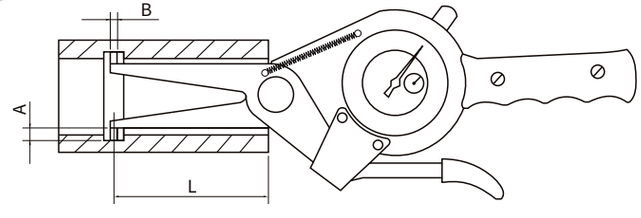
- Protection class Ip65 optimized measuring force accurate measurement
- ergonomically designed



Unit:mm

Code	Range	Resolution	Repeatability	Contact Type	H	L	W	Accuracy
5812-3105	2,5 - 12,5	0.005	0.005	A	<0.7	<12	>0.5	±0.015
5812-3110	5 - 15	0.005	0.005	B	<2.3	<35	>0.8	±0.015
5812-3115	10 - 30	0.01	0.01	B	<5.2	<85	>1.2	±0.03
5812-3120	20 - 40	0.01	0.01	C	<7	<85	>1.3	±0.03
5812-3125	30 - 50	0.01	0.01	C	<7	<85	>1.4	±0.03
5812-3130	40 - 60	0.01	0.01	D	<8.3	<85	>1.5	±0.03
5812-3135	50 - 70	0.01	0.01	D	<8.3	<85	>1.6	±0.03

INTERNAL DIAL CALIPER GAUGE



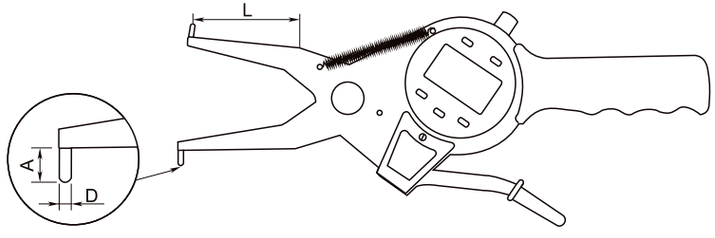
- Versatile internal dial caliper gauge for measuring inside diameter, ring groove bottom diameter and inside step diameter or special holes of the workpiece
- The gauge is spring loaded and makes point contact at a constant measuring force
- Carbide measuring contact points
- Can be set with a micrometer or ring gauge
- Bezel rotates for zero setting

Unit:mm

Code	Range	Graduation	Accuracy	A	B	L
5810-2005	15-35	0.01	±0.035	3	φ3	50
5810-2010	35-55	0.01	±0.035	6	φ3	80
5810-2015	55-75	0.01	±0.035	8	φ3	90
5810-2020	75-95	0.01	±0.035	8	φ3	100
5810-2025	95-115	0.01	±0.035	10	φ3.2	150
5810-2030	115-135	0.01	±0.035	10	φ3.2	150
5812-4005	0.6-1.4"	0.0005"	±0.002"	0.118"	0.118"	1.9"
5812-4010	1.4-2.2"	0.0005"	±0.002"	0.236"	0.118"	3.1"
5812-4015	2.2-3.0"	0.0005"	±0.002"	0.315"	0.118"	3.1"
5812-4020	3.0-3.8"	0.0005"	±0.002"	0.315"	0.118"	3.9"

INTERNAL DIGITAL CALIPER GAUGE

Battery + CR2032 | Data output | mm/in



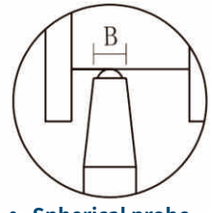
- Versatile internal dial caliper gauge for measuring inside diameter, ring groove bottom diameter and inside step diameter or special holes of the workpiece
- The gauge is spring loaded and makes point contact at a constant measuring force
- With large LCD display for clear and error-free readings adings
- Carbide measuring contact points
- With data output for SPC analysis

Unit:mm

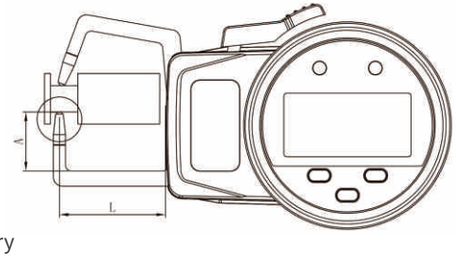
Code	Range	Resolution	Accuracy	L	A	D
5811-0005	15-35mm/0.6-1.4"	0.01/0.0005"	±0.035/0.002"	50	3	φ3
5811-0010	35-55mm/1.4-2.2"	0.01/0.0005"	±0.035/0.002"	80	6	φ3
5811-0015	55-75mm/2.2-3.0"	0.01/0.0005"	±0.035/0.002"	90	8	φ3
5811-0020	75-95mm/3.0-3.8"	0.01/0.0005"	±0.035/0.002"	100	8	φ3
5811-0025	95-115mm/3.8-4.6"	0.01/0.0005"	±0.035/0.002"	150	10	φ3.2
5811-0030	115-135mm/4.6-5.4"	0.01/0.0005"	±0.035/0.002"	150	10	φ3.2

EXTERNAL DIGITAL CALIPER GAUGE

WITH SPHERICAL PROBE



- **Spherical probe**



- Inductive measurement system
- IP65 Protection grade
- Built in rechargeable lithium battery
- Built in wireless transmission (optional)
- Tolerance preset and GO/NG judgement
- Display value lock (without this function in built-in wireless transmission models)
- With preset function

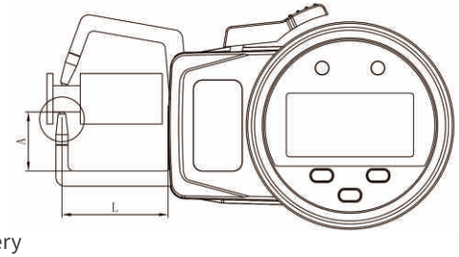
Unit:mm

Code	Range	Resolution	A	B	L	Accuracy	Data output
5814-1005	0-10mm	0.002	19.1	2	35	±0.01/±0.0005''	/
5814-1010	0-20mm	0.005	24.7	2	85	±0.02/±0.0008''	/
5814-1013	0-30mm	0.01	30	2	116	±0.03/±0.0012''	/
5814-1015	0-50mm	0.01	30	2	167	±0.04/±0.0016''	/
5814-1020	0-100mm	0.01	35	2	382	±0.07/±0.003''	/
5814-1105	0-10mm	0.002	19.1	2	35	±0.01/±0.0005''	Bluetooth
5814-1110	0-20mm	0.005	24.7	2	85	±0.02/±0.0008''	Bluetooth
5814-1113	0-30mm	0.01	30	2	116	±0.03/±0.0012''	Bluetooth
5814-1115	0-50mm	0.01	30	2	167	±0.04/±0.0016''	Bluetooth
5814-1120	0-100mm	0.01	35	2	382	±0.07/±0.003''	Bluetooth

C

EXTERNAL DIGITAL CALIPER GAUGE

WITH CYLINDRICAL PROBE



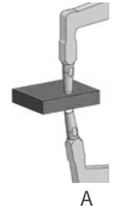
- **Cylindrical probe**
- Inductive measurement system
- IP65 Protection grade
- Built in rechargeable lithium battery
- Built in wireless transmission (optional)
- Tolerance preset and GO/NG judgement
- Display value lock (without this function in built-in wireless transmission models)
- With preset function

Unit:mm

Code	Range	Resolution	A	B	L	Accuracy	Data output
5814-0005	0-10mm	0.002	19.1	1	35	±0.01/±0.0005''	/
5814-0010	0-20mm	0.005	24.7	1	85	±0.02/±0.0008''	/
5814-0013	0-30mm	0.01	30	1	116	±0.03/±0.0012''	/
5814-0015	0-50mm	0.01	30	1	167	±0.04/±0.0016''	/
5814-0020	0-100mm	0.01	35	1	382	±0.07/±0.003''	/
5814-0105	0-10mm	0.002	19.1	1	35	±0.01/±0.0005''	Bluetooth
5814-0110	0-20mm	0.005	24.7	1	85	±0.02/±0.0008''	Bluetooth
5814-0113	0-30mm	0.01	30	1	116	±0.03/±0.0012''	Bluetooth
5814-0115	0-50mm	0.01	30	1	167	±0.04/±0.0016''	Bluetooth
5814-0120	0-100mm	0.01	35	1	382	±0.07/±0.003''	Bluetooth

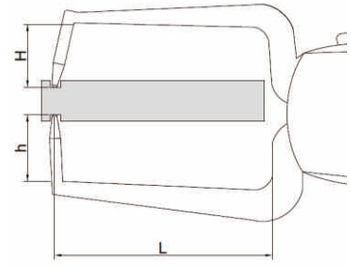
EXTERNAL DIGITAL CALIPER GAUGE

Dasqua Blu MADE IN GERMANY


A

B

- Protection class IP65
- optimized measuring force
- accurate measurement
- ergonomically designed



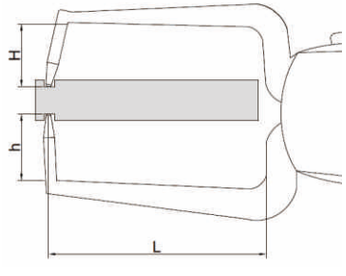
Unit:mm

Code	Range	Repeatability	Contact Type	L	H	h	Accuracy
5812-2205	0-20	0.005	A	<35	19.1	18.6	±0.015
5812-2210	0-50	0.03	A	<85	24.7	18.6	±0.03
5812-2215	0-50	0.04	B	<167	30	30	±0.06
5812-2220	50-100	0.06	B	<167	30	23	±0.08

EXTERNAL DIAL CALIPER GAUGE

Dasqua Blu
MADE IN GERMANY

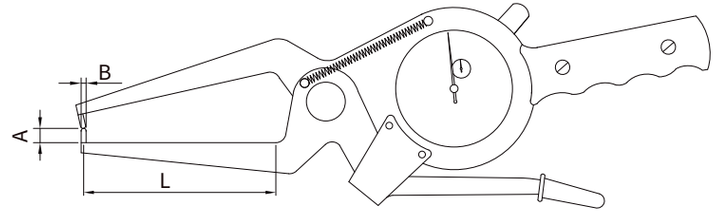
- Interactive keypad
- Protection class Ip67
- Digital display with analog bar
- Numerical interval adjustable 0,001 / 0,002 /
- 0,005 /0,01 / 0,02 / 0,05 mm ergonomically
- designed available on request
- Data Logger (100 measuring values)
  Battery 2x type AAA
  Bluetooth interface up to 8 gauges simultaneously



Unit:mm

Code	Range	Graduation	Repeatability	Contact Type	L	H	h	Accuracy
5812-3305	0-20	0.005	0.005	A	<35	19.1	18.6	±0.015
5812-3310	0-50	0.01	0.01	A	<85	24.7	18.6	±0.03
5812-3315	0-50	0.05	0.025	B	<167	30	30	±0.05
5812-3320	50-100	0.05	0.05	B	<167	30	23	±0.075

EXTERNAL DIAL CALIPER GAUGE



- Versatile external dial caliper gauge for measuring outside diameter, ring groove bottom diameter, narrow grooves and the dimensions that hard to reach
- The gauge is spring loaded and makes point contact at a constant measuring force
- Carbide measuring contact points
- Can be set with a micrometer or ring gauge
- Bezel rotates for zero setting

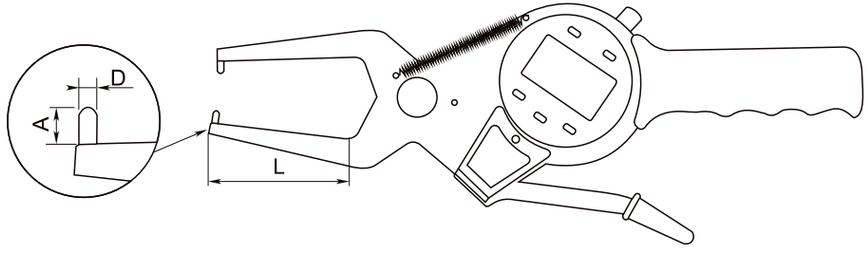
Unit:mm

Code	Range	Graduation	Accuracy	A	B	L
5721-0005	0-20	0.01	±0.035	6	φ3	60
5721-0010	20-40	0.01	±0.035	6	φ3	60
5721-0015	40-60	0.01	±0.035	6	φ3	55
5721-0020	60-80	0.01	±0.035	6	φ3	55
5721-0025	80-100	0.01	±0.035	6	φ3	55
5722-4005	0-0.8"	0.0005"	±0.002"	0.236"	0.118"	2.3"
5722-4010	0.8-1.6"	0.0005"	±0.002"	0.236"	0.118"	2.3"
5722-4015	1.6-2.4"	0.0005"	±0.002"	0.236"	0.118"	2.1"
5722-4020	2.4-3.2"	0.0005"	±0.002"	0.236"	0.118"	2.1"
5722-4025	3.2-4.0"	0.0005"	±0.002"	0.236"	0.118"	2.1"

C

EXTERNAL DIGITAL CALIPER GAUGE

Battery + CR2032 | Data output | mm/in



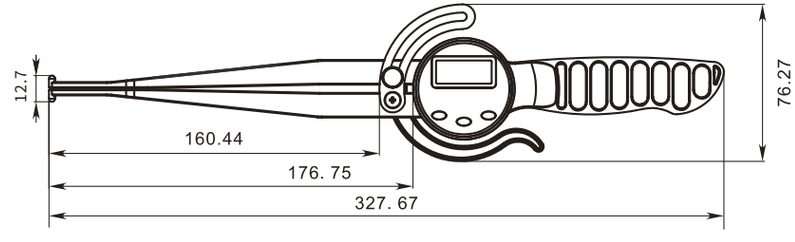
- Versatile internal dial caliper gauge for measuring outside diameter, ring groove bottom diameter, narrow grooves and the dimensions that hard to reach
- The gauge is spring loaded and makes point contact at a constant measuring force
- With large LCD display for clear and error-free readings
- Carbide measuring contact points
- With data output for SPC analysis

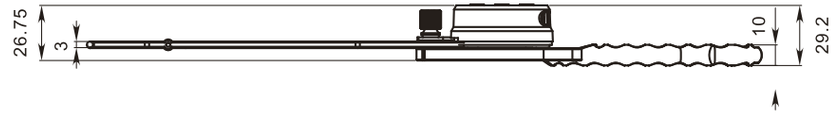
Unit:mm

Code	Range	Resolution	Accuracy	A	D	L
5630-1005	0-20mm/0-0.8"	0.01/0.0005"	±0.035/0.002"	6	φ3	60
5630-1010	20-40mm/0.8-1.6"	0.01/0.0005"	±0.035/0.002"	6	φ3	60
5630-1015	40-60mm/1.6-2.4"	0.01/0.0005"	±0.035/0.002"	6	φ3	55
5630-1020	60-80mm/2.4-3.2"	0.01/0.0005"	±0.035/0.002"	6	φ3	55
5630-1025	80-100mm/3.2-4.0"	0.01/0.0005"	±0.035/0.002"	6	φ3	55

INTERNAL DIGITAL CALIPER GAUGE

Battery + CR2032 | mm/in/F



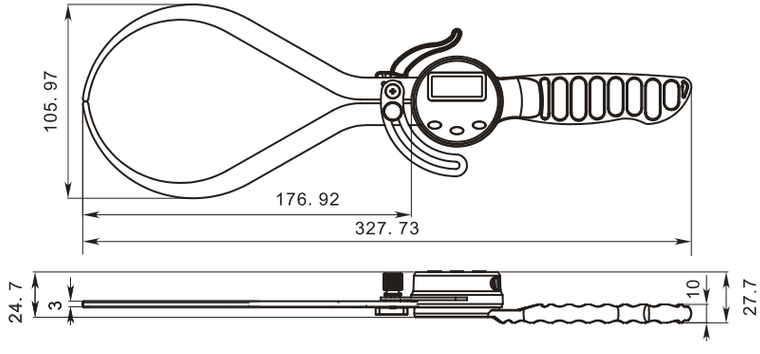


- Make quick and accurate inside measurements of different materials
- Perfect for woodworking, carpentry, metal fabrication, etc
- High hardness and wear resistance
- With large LCD display for clear and error-free readings
- The gauge is spring loaded and makes point contact at a constant measuring force

Unit:mm

Code	Range	Resolution	Accuracy
1804-1010	12.7-165/0.5-6.5"	0.1/0.005"/1/64"	0.2/0.01"
1804-1015	12.7-257.4/0.5-8.5"	0.1/0.005"/1/64"	0.3/0.02"

EXTERNAL DIGITAL CALIPER GAUGE

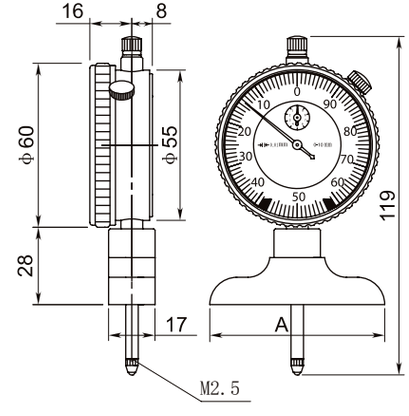


- Make quick and accurate outside measurements of different materials.
- Perfect for woodworking, carpentry, metal fabrication, etc
- High hardness and wear resistance
- With large LCD display for clear and error-free readings
- The gauge is spring loaded and makes point contact at a constant measuring force

Unit:mm

Code	Range	Resolution	Accuracy
1804-1020	0-150/0-6"	0.1/0.005"/1/64"	0.2/0.01"
1804-1025	0-200/0-8"	0.1/0.005"/1/64"	0.3/0.02"

DIAL DEPTH GAUGE



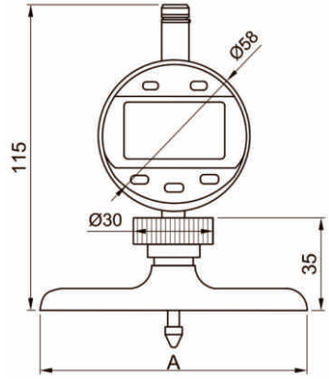
- Dial Indicator for easy and clear reading
- Hardened base with fine lapped contact surface
- Used to measure depth of holes or parts with grooved or elevated surfaces
- Extension rods of different lengths offering larger measuring ranges

Unit:mm

Code	Range	Graduation	Base Length(**A**)	Depth	Remark
5822-4100	0-1"	0.001"	2.5"	6"	With 5 rods 1-5", step by 1"
5822-4105	0-1"	0.001"	2.5"	6"	With 5 rods 1-5", step by 1"
5821-1100	0-10	0.01	100	100	With 10 rods 10-100, step by 10mm
5821-1105	0-10	0.01	64	100	With 10 rods 10-100, step by 10mm

C

DIGITAL DEPTH GAUGE

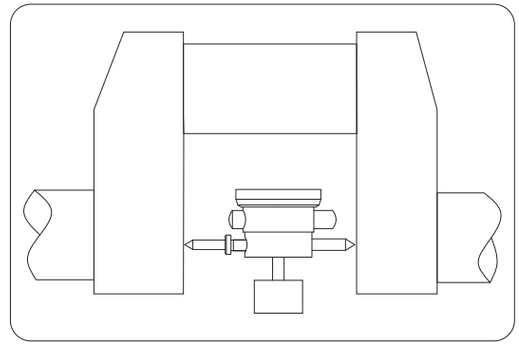


- Large easy-to-read display
- With Hold, Zero, Metric/Inch Conversion function
- Extension rods of different lengths offering larger measuring ranges
- Used to measure depth of holes or parts with grooved or elevated surfaces
- Spindle hardened, ground and lapped for ultimate accuracy

Unit:mm

Code	Range	Graduation	Base Length(A)	Accuracy	Remark
5820-1015	0-100	0.01/0.0005"	63	±0.02	With 10 rods 10-100, step by 10mm
5820-1005	0-100	0.01/0.0005"	100	±0.02	With 10 rods 10-100, step by 10mm
5820-1020	0-100	0.001/0.00005"	63	±0.005	With 10 rods 10-100, step by 10mm
5820-1010	0-100	0.001/0.00005"	100	±0.005	With 10 rods 10-100, step by 10mm

CRANKSHAFT TESTER

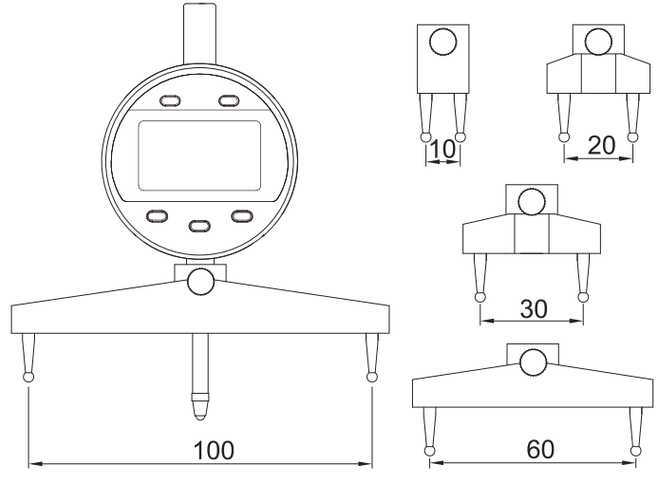


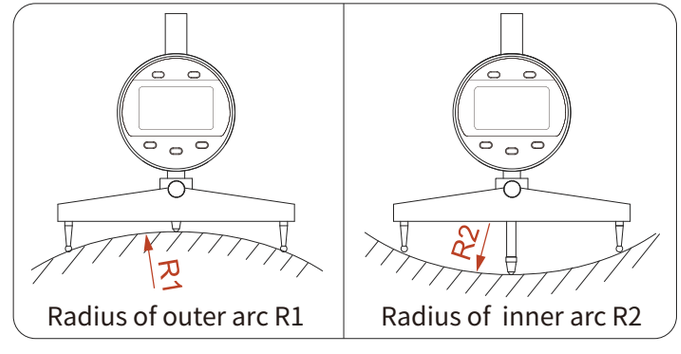
- To Measure crankshaft deflection
- The balance block is mounted on the back of dial indicator to keep the dial indicator facing up
- Measuring range: 60-500mm
- Graduation:0.01mm
- Rotatable dial supplied with extensions

Unit:mm

Code	Range	Graduation	Dial indicator range	Extension rod	Accuracy
5751-0005	60-300	0.01	0-3	32.2,48,96,185	±0.014
5751-0010	60-500	0.01	0-3	32.2,48,96,185,197	±0.014

DIGITAL RADIUS GAUGE





- Use to measure radius of internal and external arcs
- Supplied with 5 jaws for different sizes of arc
- USB data output
- Large LCD display with clear reading
- Stem and spindle stainless, hardened and lapped
- Different sized probes for arc measurements
- Measured value display in percent and radius display

Unit:mm

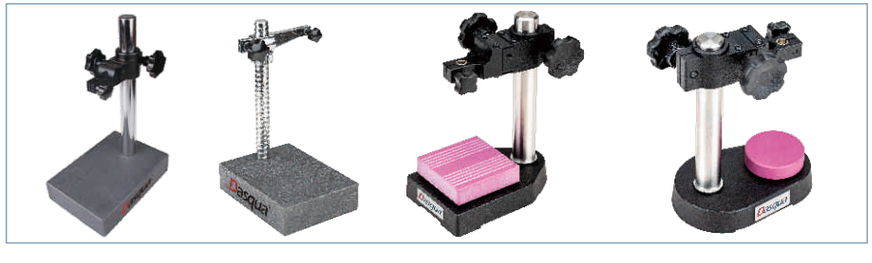
Code	Outside Diameter Range	Inside Diamter Range	Graduation	Radius Accuracy
5831-0005	5-700	6.5-700	0.005/0.0015"	<1%

MAGNETIC BASES

BORN IN ITALY, RAISED BY THE WORLD

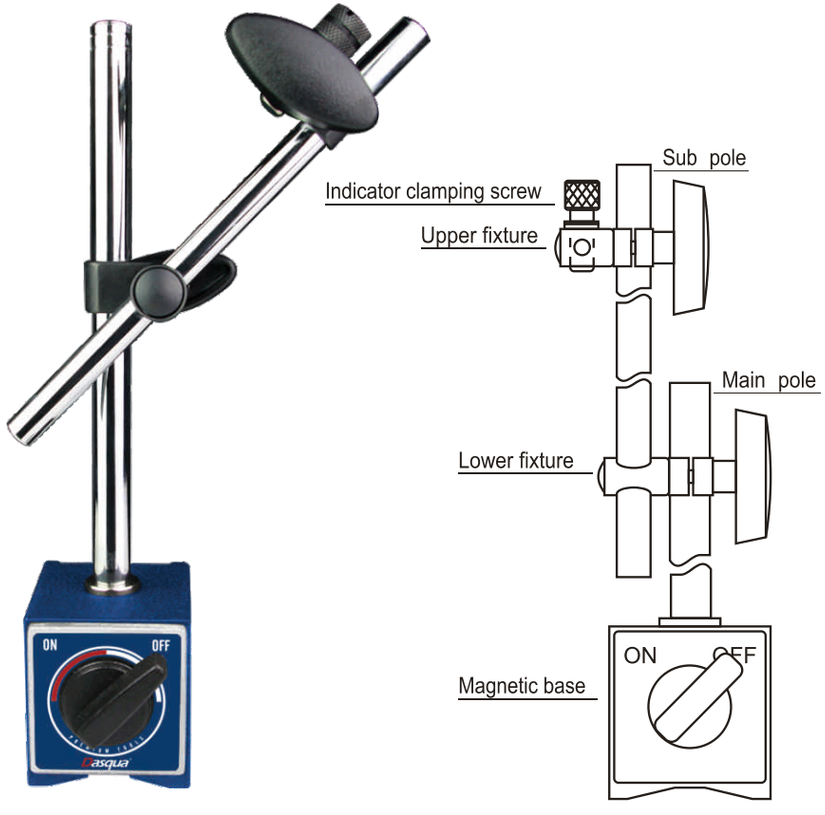
02-07 MAGNETIC BASE

13-15 COMPARATOR STAND



08-12 MAGNETIC BASE RELATED PRODUCTS

MAGNETIC STAND BASE

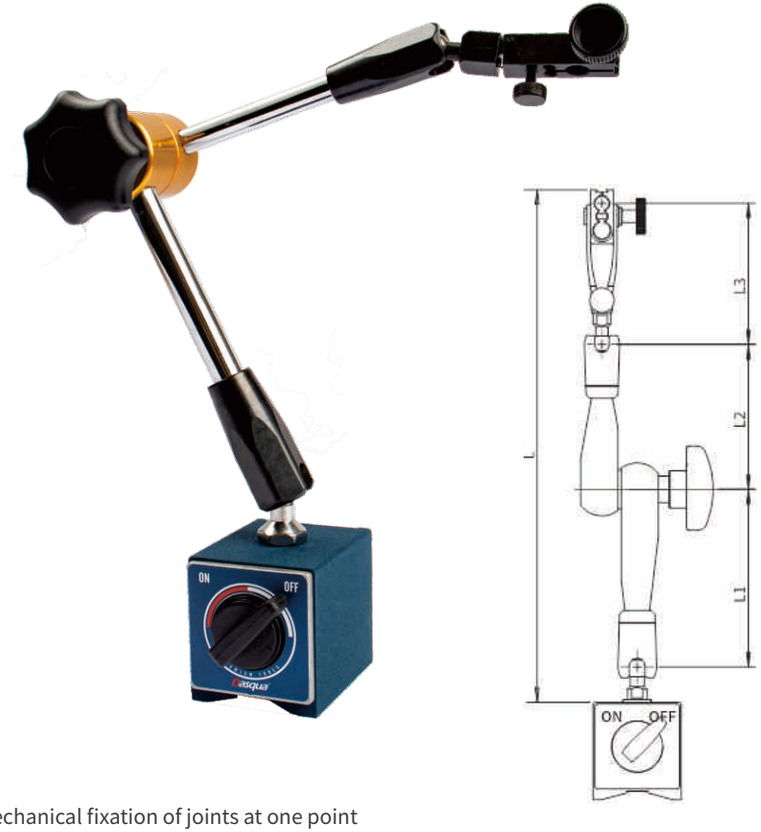


- Solid structure with electroplated surfaces, precision ground end-faces
- With fine adjustment device, which is heat-treated to ensure stability and durability
- With clamp holes of 6mm, 8mm, which satisfy the use of most indicators and test indicators
- 150° V-grooved base can be placed on the cylindrical surfaces for easily fixing the indicators
- On/o ffswitch for magnet, easy to move the base without the influence of magnetic force
- Well selected ferrite permanent magnet with magnetic force greater than calibration value

Unit:mm

Code	Holding Power	Base	Main Pole	Sub Pole	Dia. of Clam Hold	Weight
7700-0005	80kg	58x50x55	φ12x177	φ10x165	φ6/φ8	1.6kg
7700-0010	80kg	60x50x55	φ12x177	φ10x165	φ6/φ8/φ3/8“	1.6kg

MECHANICAL UNIVERSAL MAGNETIC BASE



- Mechanical fixation of joints at one point
- The stand can be completely locked from a single point
- The force required for locking the joints is mechanically transmitted through the cavities in the shoulders

Unit:mm

Code	Holding Power	Dia of Clamp Hole	Base	L1	L2	L3	L	Weight
7121-0016	60kg	φ8/dovetail	60*50*55	132	120	51	345	1.4kg
7121-0050	80kg	φ8/dovetail	60*50*55	132	120	51	345	1.5kg
7121-0040	100kg	φ8/dovetail	73*50*55	132	120	51	345	1.8kg

LOCK'T MAGNETIC BASE

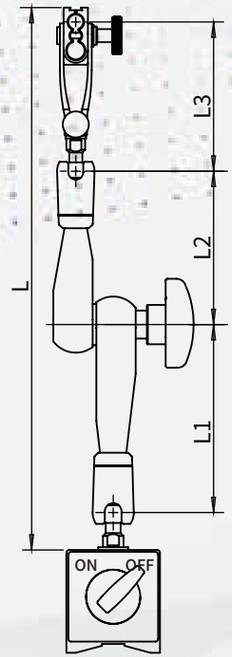
BEST SELLER

Dasqua Blu

- All wear parts use hardened high grade steel and with hardness over 58HRC
- Inner structure is made of bearing steel, delivering more wear-resisting ability and longer service life.delivering more wear-resistance and longer life

TWO CLAMPING HOLES

Designed with two clamping holes, which are suitable for metric and inch dial indicators, plus dovetail groove for test indicators, bringing great convenience holding capabilities



Dasqua

- **Mechanical**
- **Hydraulic**
- **Equal locking force, more competitive price**

- **Super forced locking mechanical universal arm**

New type locking mechanism,super strong arm lock and super tight locking force guarantees long life and firm positioning

- **Ergonomic design**

Ergonomic-designed tightening knob provides comfortable and firm grip; Flexible and super strong rotary joints, providing smooth adjustments in any direction or location

- **CNC Machining**

Main parts produced on CNC machines, providing extremely accurate and high precision, ensuring high quality and high stability

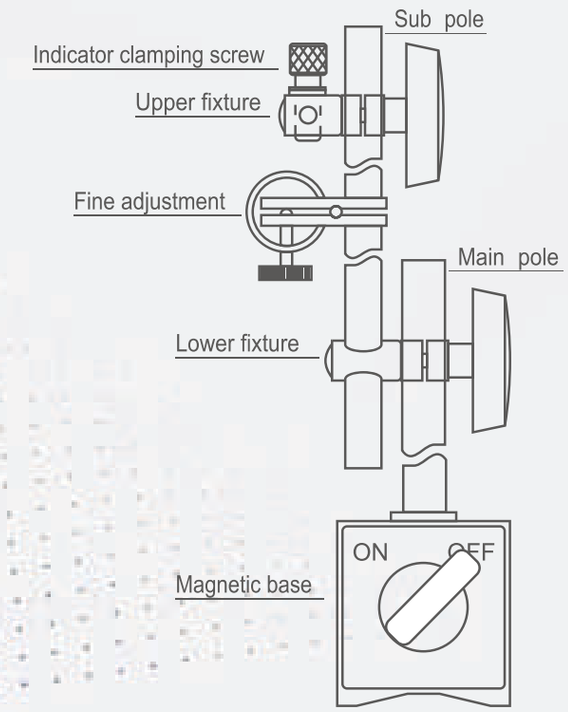
Unit: mm

Code	Holding Power	Base	L1	L2	L3	L
7121-0020	50kg	40 x 40 x 40	62	52	79	220
7121-0025	80kg	60 x 50 x 55	100	82	81	290
7121-0030	100kg	73 x 50 x 55	145	95	81	355
7121-0035	100kg	73 x 50 x 55	175	125	81	415
7121-0045	130kg	117 x 50 x 55	175	125	81	415

MAGNETIC BASE WITH FINE ADJUSTMENT

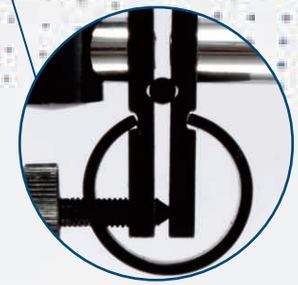
BORN IN ITALY · BEST SELLER · RAISED BY THE WORLD

- 150° V-grooved base can be placed on the cylindrical surfaces as well as flat surfaces for easily fixing the indicators.
- Well selected ferrite permanent magnet with magnetic force greater than calibration value
- On/o ffswitch for magnet, easy to move the base without the influence of magnetic force.



- Solid structure with surfaces electroplated and end-faces ground

- With clamp holes of φ4mm, φ8mm, 3/8”, which satisfy the use of most indicators and test indicators.



- With fine adjustment device, which is heat-treated to ensure stability and durability.

Unit:mm

Code	Holding Power	Base	Main Pole	Sub Pole	Dia. of Clam Hold	weight
7122-0004	60kg	60x50x55	φ12x176	φ10x150	φ6/φ8	1.5kg
7122-0005	80kg	60x50x55	φ12x176	φ10x150	φ6/φ8	1.5kg
7122-0010	100kg	73x50x55	φ16x255	φ14x165	φ6/φ8	2.3kg
7122-0015	130kg	117x50x55	φ20x355	φ14x210	φ6/φ8	3.7kg
7123-1004	60kg	60x50x55	φ12x176	φ10x150	φ4/φ8/3/8"	1.5kg
7123-1005	80kg	60x50x55	φ12x176	φ10x150	φ4/φ8/3/8"	1.5kg
7123-1010	100kg	73x50x55	φ16x255	φ14x165	φ4/φ8/3/8"	2.3kg
7123-1015	130kg	117x50x55	φ20x355	φ14x210	φ4/φ8/3/8"	3.7kg

D

MINI MAGNETIC BASE

WITH 3D&UNIVERSAL ARM

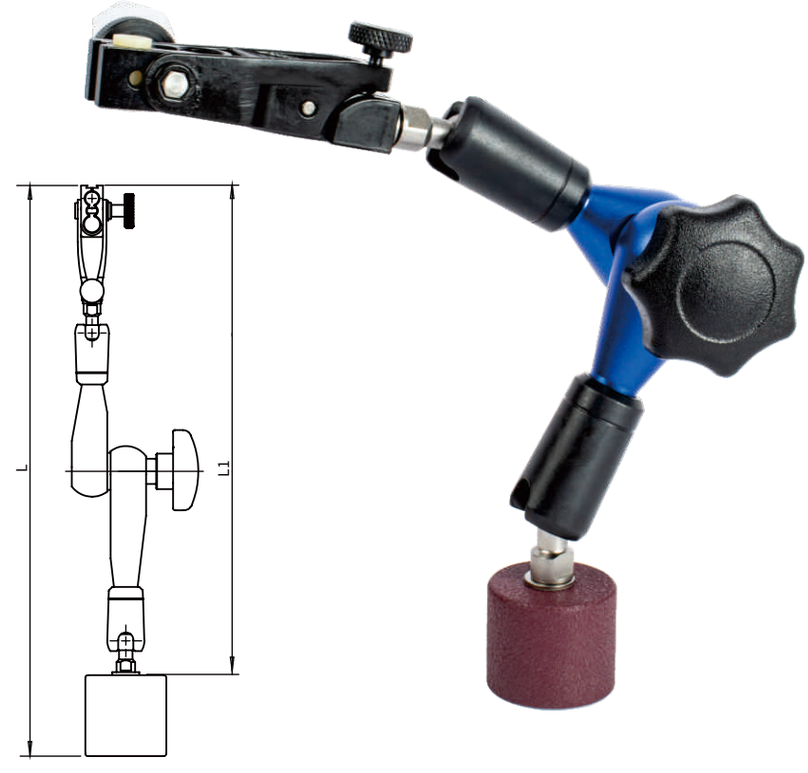
- Small shape ensures easy and fast fixing to machine
- Flexible, strong and precise rotary jointed arms, which can adjust to any position
- Ball joints enables quick and easy positioning, all three joints are controlled by a tightening knob
- With central locking mechanism
- Clamping force can be continuously adjusted, with high stability
- With clamp hole, dovetail groove, which can clamp many types of indicators

Unit:mm

Code	Holding Power	Base	Arm Length (L1)	Overall Length(L)	Dia. of Clamp Hole	Weight
7312-0004	18KG	ϕ30x25	180	205	ϕ6/ϕ8/Dovetail	0.3kg
7312-0025	30KG	ϕ30x35	53	88	6mm	0.3kg

MINI POWER MAGNETIC BASE

WITH REINFORCED LOCKING & CLAMPING FORCE



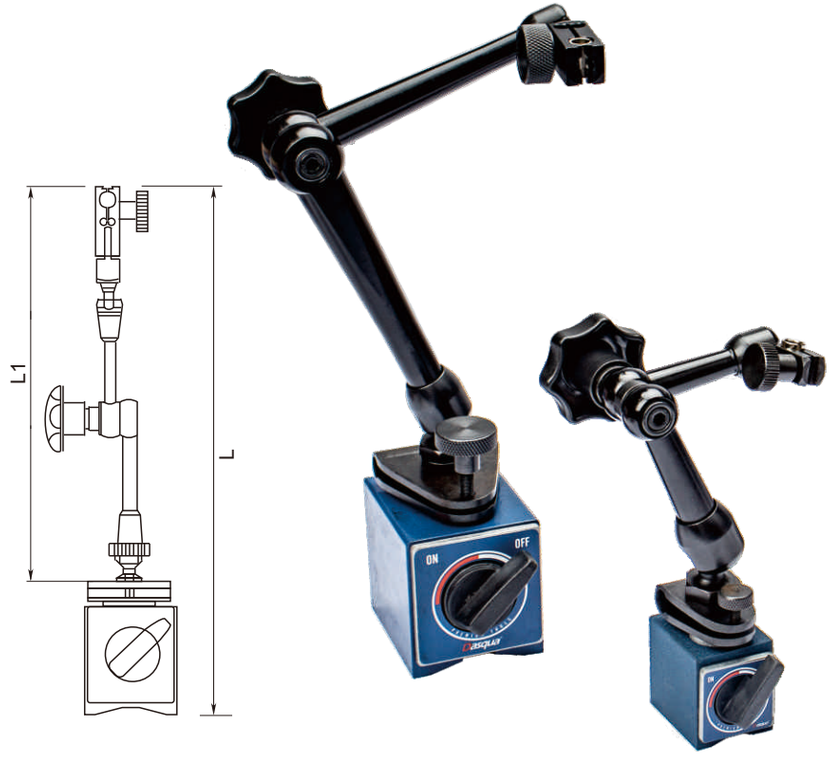
- With central locking mechanism
- Small shape ensures easy and fast fixing to machine
- Clamping force can be continuously adjusted, with high stability
- With clamp hole, dovetail groove, which can clamp many types ofindicators
- Flexible, strong and precise rotary jointed arms, which can adjust to any position
- Ball joints enables quick and easy positioning, all three joints are controlled by atightening knob

Unit:mm

Code	Holding Power	Dia of Clamp Hole	L1	L	Weight	Base
7121-0019	18kg	18kg	140	165	0.3	φ30*25

UNIVERSAL MAGNETIC BASE

WITH NEW DESIGN FINE ADJUSTMENT



- Mechanical central locking of all joints
- Special structure ensures high pressure
- Powerful permanent magnet
- V-grooved base for ease of mount on cylindrical parts also
- Joined arms rotate 360°on the dial indicator holder and can be twisted 180°
- Smooth and easy on/off switch

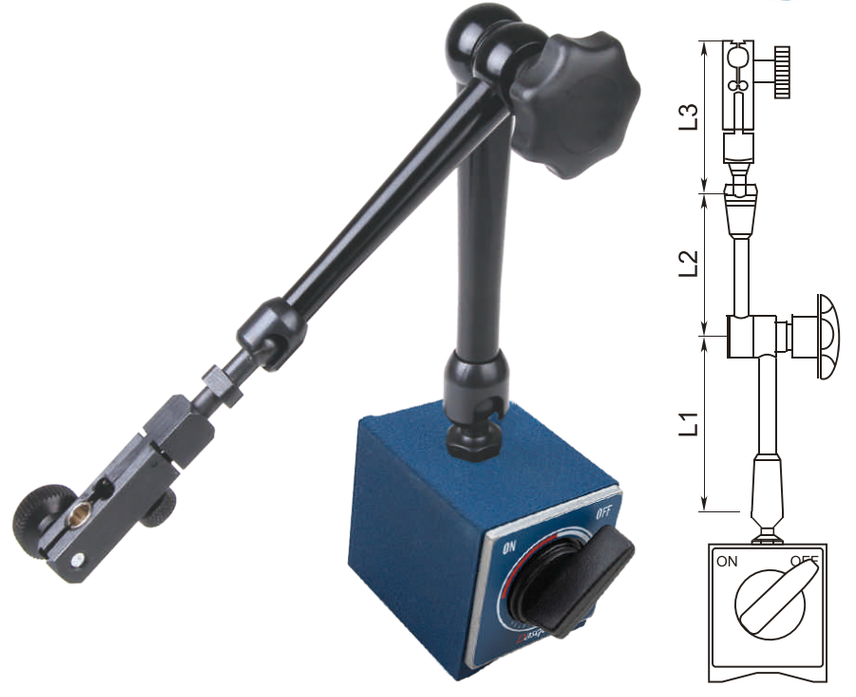
Unit:mm

Code	Holding Power	Base	Dia of Clamp Hole	L1	L	Weight
7122-0025	30kg	35x30x35	ϕ6/ϕ8/Dovetail	160	210	0.4kg
7122-0030	80kg	60x50x55	ϕ6/ϕ8/Dovetail	280	350	1.3kg
7122-0035	100kg	73x50x55	ϕ6/ϕ8/Dovetail	356	424	1.7kg

MAGNETIC STAND BASE

WITH FLEXIBLE JOINTED ARM

BEST SELLER



- Flexible, strong and precise rotary jointed arms, which can adjust to any position
- With central locking mechanism
- Clamping force can be continuously adjusted, with high stability
- With clamp hole, dovetail groove, which can clamp many types of indicators
- 150° V-grooved base, can be placed on the cylindrical surfaces for easily fixing the indicators
- On/o ffswitch for magnet, easy to move the base without the influence of magnetic force
- Ball joints enables quick and easy positioning, all three joints are controlled by a tightening knob

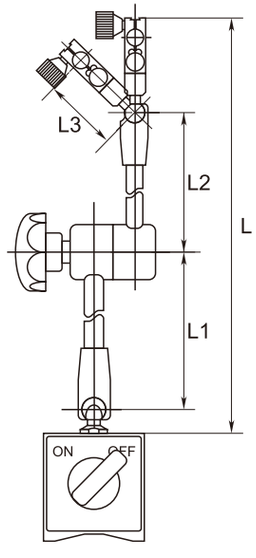
Unit:mm

Code	Holding Power	Base	Arm length	L1	L2	L3	Dia. of Clam Hold	Weight
7312-0005	30kg	35x30x35	158	56	51	17	ϕ6/ϕ8/Devotail	0.4kg
7312-0010	80kg	60x50x55	310	110	101	73	ϕ6/ϕ8/Devotail	1.4kg
7312-0015	100kg	73x50x55	385	147	130	76	ϕ6/ϕ8/Devotail	1.8kg
7312-0020	130kg	117x50x55	635	285	225	76	ϕ6/ϕ8/Devotail	5.0kg

D

HYDRAULIC MAGNETIC BASE

WITH 3D&UNIVERSAL ARM

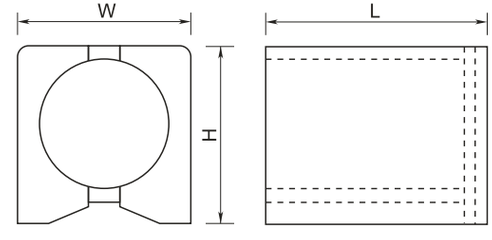


- Mechanical central locking of all joints
- Special structure ensures high pressure
- Powerful permanent magnet
- Oil hydraulics protected against oil leakage by double seals
- V-grooved base for ease of mount on cylindrical parts also
- Joined arms rotate 360°on the dial indicator holder and can be twisted 180°
- Smooth and easy on/off switch

Unit:mm

Code	Holding Power	Base	L1	L2	L3	L	Dia of Clamp Hole	Weight
7412-0005	80	60*50*55	120	116	70	337	ϕ6/ϕ8/ϕ3/8“/dovetail	1.7kg

MAGNETIC BASE



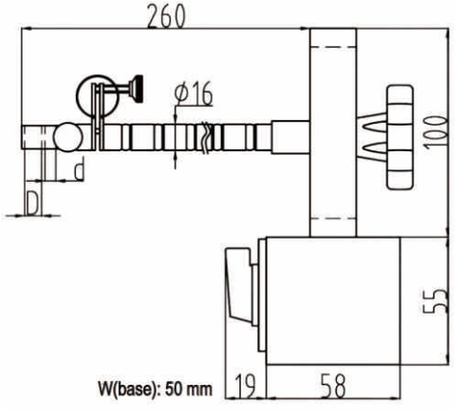
- 150° V-grooved base can be placed on the cylindrical surfaces for easily fixing the indicators
- Carefully selected ferrite permanent magnet with inspected magnetic force which is greater than calibration value
- On/o ffswitch for magnet, easy to move the base without the influence of magnetic force
- Blue wrinkle finish on non-working surfaces

Unit:mm

Code	Holding Power	size(**L**x**W**x**H**)	Thread	Magnet Type	Weight
7000-0005	80kg	60x50x55	M8x1.25	Ferrite	1.0kg
7000-0010	100kg	73x50x55	M8x1.25	Ferrite	1.3kg
7000-0015	130kg	117x50x55	M8x1.25	Ferrite	2.0kg
7000-0020	30kg	35x30x35	M5x0.8	NdFeB	0.2kg

MAGNETIC BASE

WITH ADJUSTABLE COOLANT HOSE



- For digital/dial indicators and dial test indicators
- With fine adjustment

Unit:mm

Code	Holding Power	Base
7100-0015	15kg	58*50*55

MINI MAGNETIC STAND

● 7511-0005

- Small shape ensures easy and fast fixing to machine
- With two round permanent magnets (7521-0005), with laminated permanent magnets and V-grooved base (7521-0010), without magnet on/o ffswitch
- Low height enables fast, safe and easy mounting on machines and jigs
- Black enamel finish

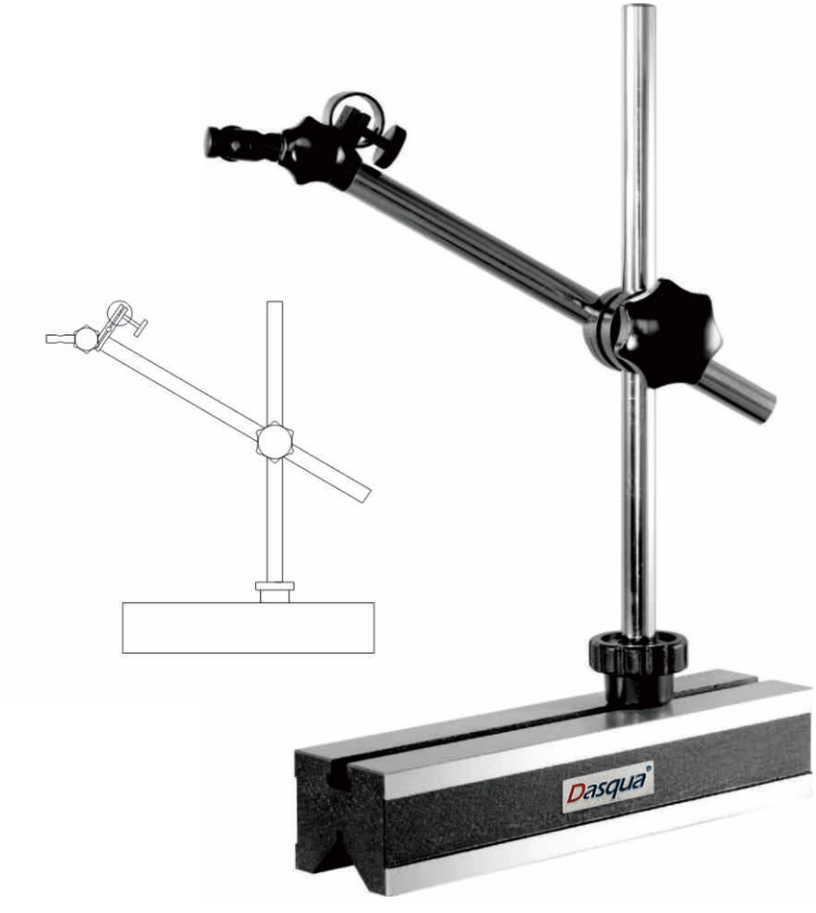
Unit:mm

Code	Holding Power	Base	Stem	Dia. of Clam Hold	Weight
7511-0005	15kg	ϕ30x25	65	ϕ6/ϕ8/Devotail	200g
7521-0005	20kg	73x37x12	/	ϕ8	160g
7521-0010	20kg	73x37x26	/	ϕ8	300g

D

V GROOVE UNIVERSAL STAND

FOR DIGITAL/DIAL INDICATORS AND DIAL TEST INDICATORS



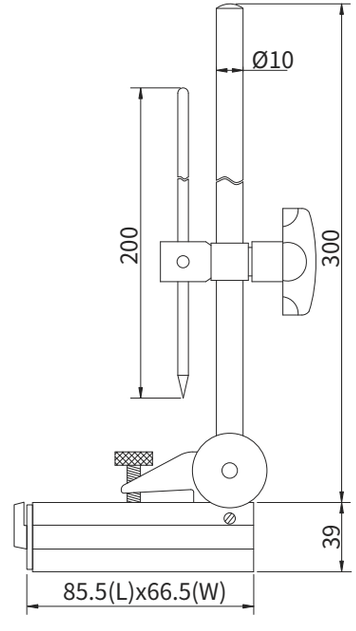
- For digital/dial indicators and dial test indicators
- With fine adjustment

Unit:mm

Code	Holding Power	Base	Main Pole	Sub Pole	Weight
7000-1005	φ8/φ3/8"(Option)	260*62*50	φ16*290	φ16*310	6.5kg

SURFACE GAUGE

WITH SWITCHABLE MAGNETIC BASE



- Scriber head is hardened
- Combine the surface gauge and magnetic base in one
- Magnetic base embedded with permanent magnet and having on/o ffswitch, magnetic pull of 80kg
- Hardened, ground, and lapped steel base for high stability
- Base with fine adjustment function

Unit:mm

Code	Holding Power	Dia. of Clam Hold	Main Pole	Remark
7123-0005	80kg	φ4&3/8"	φ8x230	with Fine Adjustment

HEAVY DUTY PRECISION MEASURING BASE FOR INDICATOR

- The scale of clamping holes are 4mm, 8mm, 3/8 ", as to be suitable for most indicators
- End face fine grounded. Electroplated surface
- With fine adjustment

Unit:mm

Code	Scale
7612-0005	with two rods,ϕ12x176mm,ϕ10x150mm
7612-0010	with two rods,ϕ20x355mm,ϕ14x210mm

HEAVY DUTY UNIVERSAL PRECISION MEASURING BASE FOR INDICATOR

- Fine adjustment, 2 clamping holes, dovetail.
- Flexible, precise, rotatable, ergonomic designed arm can be adjusted to any position it can reach.
- Ball joints can be fast and easily positioned, and all three joints are controlled by one knob
- The bearing steel adopted internally, with stronger wear resistance ----- provides longer service life.
- CNC processed ----- precision size, high accuracy which ensure the great quality and strong stability of products.

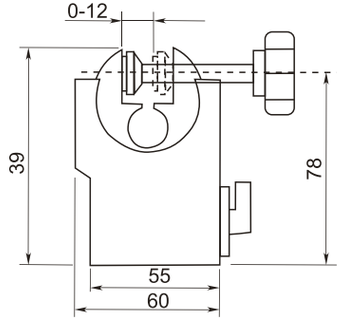
Unit:mm

Code	Scale
7612-0015	with rod 290mm
7612-0020	with rod 355mm
7612-0025	with rod 635mm

D

MICROMETER STAND

WITH MAGNETIC BASE



- Keep hands free for operating micrometer and positioning workpiece
- Perfect for batch or mass production measurements in manufacturing and quality assurance
- Proper weight and low center of gravity ensure stable base
- Blue enamel finish

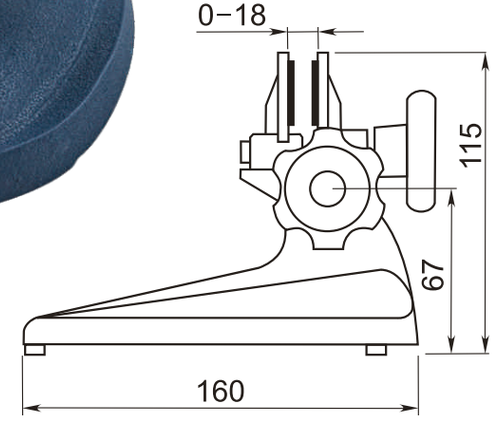
Unit:mm

Code	Capacity	Magnetic	Weight
7111-1000	up to 300/12"	with magnetic base	0.8kg

MICROMETER STAND

BEST SELLER

● 4410-1105



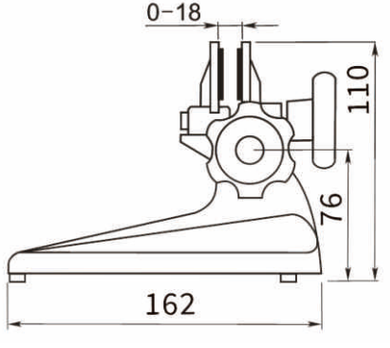
- Keep hands free for operating micrometer and positioning workpiece
- Perfect for batch or mass production measurements in manufacturing and quality assurance
- Blue enamel finish

Without digital micrometer, which can be found and ordered in page 53

Unit:mm

Code	Capacity	Magnetic
7111-1105	up to 100/4"	without magnetic base

MICROMETER STAND

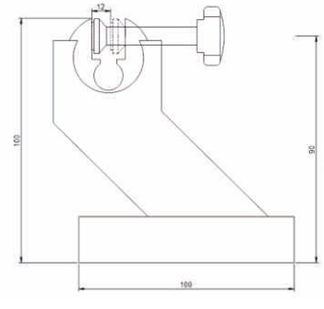


- Rubber foot pads to reduce slipping
- Clamps are made of die-casting aluminium
- Rubber pads on clamps to protect instruments
- Micrometer stand to suit micrometers up to 100mm
- Ideal when checking multiple items and setting the micrometer

Unit:mm

Code	Material	Remark	Weight
7111-1115	die-casting aluminium	Suit for micrometers up to 100mm	1.7

MICROMETER STAND



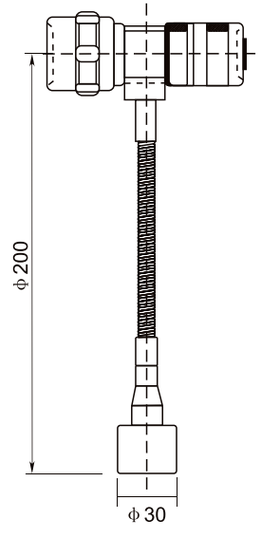
- Keep hands free for operating micrometer and positioning workpiece
- Proper weight and low center of gravity ensure stable base
- Perfect for batch or mass production measurements in manufacturing and quality assurance

Unit:mm

Code	Material	Remark	Weight
7100-0055	Steel	Suit for micrometers up to 300mm	1.5

MINI LED LIGHT

WITH MAGNETIC BASE



- Great for auto preparation work
- Lens “zoom” for concentrated lighting
- Articulating flex shaft allows easy and accurate positioning
- Flexible shaft of 120mm with universal movement
- Magnetic base with good magnetic pull of 12kg
- LED flashlight requires 3 AAA batteries, and flashlight is removable

Unit:mm

Code	Weight
7611-0020	0.4kg

PRECISION GRANITE COMPARATOR STAND

- Easy maintenance due to the non-rusting base
- The rigid granite base is free from burrs and pileups due to its fine-grain composition and less viscousness compared with casting iron
- The flatness is always accurate and the workpiece is free from damage
- Used for indicator of Dia.8mm and 3/8"
- Measuring surface are precision ground and diamond lapped

Unit:mm

Code	Pole	Base	Dia. of Clam Hold	Weight
7912-0004	φ25x180	150x100x40	φ8/3/8"	2.9kg
7912-0005	φ30x300	210x150x50	φ8/3/8"	7.0kg
7912-0010	φ30x300	300x200x60	φ8/3/8"	11.6kg

PRECISION GRANITE COMPARATOR STAND

WITH FINE ADJUSTMENT

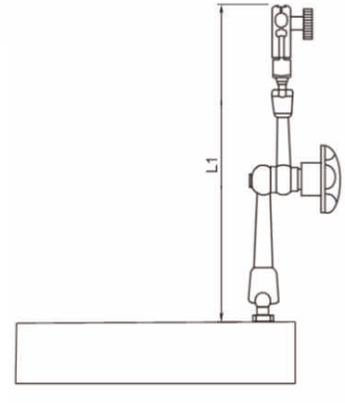
- Used for the measuring room and calibration laboratory
- Easy maintenance due to the non-rusting base
- The rigid granite base is free from burrs and pileups due to its fine-grain composition and less viscousness compared with cast iron
- The flatness is always accurate and the workpiece is free from damage
- Measuring surface fine ground and diamond lapped
- Hardened column with height adjustment and setting ring
- Dial indicator shank φ8 mm
- With fine adjustment over the entire travel

Unit:mm

Code	Base	Pole	Dia. of Clam Hole
7812-0015	300x200x60	φ30x300	φ8/3/8"

PRECISION MEASURING TABLE

WITH GRANITE BASE



- With fine adjustment
- Clamping hole diameter 8mm
- Thread size M8x1.25mm
- For digital/dial indicators and dial test indicators

Unit:mm

Code	Base	L1	Weight
7912-0030	150*100x40	260	2.4
7912-0035	200*150x50	460	5.7
7912-0040	300*200x50	460	10.8

PRECISION GRANITE COMPARATOR STAND

WITH CAST IRON ANVIL

● 7712-0005

● 7712-0006

● 7712-0030

- Rapid positioning with coarse adjustment
- Heavy duty upright column and adjustable support arm ensure the high stability
- Upright column is made stainless steel and precision ground
- Round cast iron base

Unit:mm

Code	Pole	Base	Dia. of Clam Hold
7712-0005	φ25x180	φ60	φ8/3/8"
7712-0006	φ25x180	φ60	φ8/3/8"
7712-0030	φ25x180	80x80	φ8/3/8"

PRECISION MEASURING TABLE

WITH CERAMIC ANVIL

- Strong cast iron base with rigid column and sturdy indicator holder
- Indicator holder φ8 mm
- The table is of high-quality ceramic,lapped
- Ra≤0.1μm

Unit:mm

Code	Pole	Base	Dia. of Clam Hold	Weight
7712-0020	φ25x180	φ60	φ8/3/8"	1.6kg
7712-0025	φ25x180	80x80	φ8/3/8"	2.5kg

HEIGHT GAUGES

BORN IN ITALY, RAISED BY THE WORLD

02-08 HEIGHT GAUGE

HEIGHT GAUGE

Code	3000-0300	3000-0600
Measuring Range	300	600
Expanded Measuring Rang(mm)	570	870
Dia. of Probe Holder(mm)	φ8	
Resolution(mm)	0.01/0.001/0.0001	
MPE(μm)	±2.6μm+ (5*L in [M])	
Repeatability(μm)	Of Plane≤1μm* Of Aperture≤3μm*	
CSTN	VGA、6.4 "	
Max Speed of Clicking Driver(mm/s)	75	
Device Driver	Machinery	
Measuring Force(N)	1.5±0.5	
Working Temperature(℃)	10 to 40 (℃)	
Storage Temperature(℃)	-10 to 60 (℃)	
Water Proof Grade	IP40	
Unit	mm/in	
Certificate	√	
Height(mm)	709	1009
Weight(kg)	20	22

*In test condition and with standard probe

HIGH ACCURACY DIGITAL HEIGHT GAUGE

Norma
7712-0035

Classic
7712-0040

Pro
7712-0045

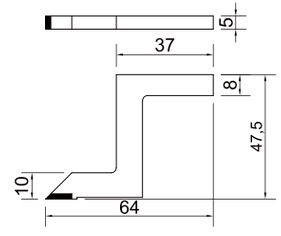
- High accuracy for more accurate measuring
- Small in size and easy to move
- Wide applicable temperature range, can be used normally during 0-40°C
- High durability and the maximum measuring height up to 100mm

Code	7712-0035	7712-0036	7712-0037	7712-0040	7712-0041	7712-0045	7712-0046
Measuring Range	0-50mm	0-50mm	0-100mm	0-50mm	0-100mm	0-50mm	0-100mm
Accuracy (20°C)	2µm	3µm	3µm	1.5µm	3µm	1µm	2µm
Repeatability (20°c)		1µm		0.5µm		0.2µm	
Min. Readout		1µm		0.5µm/1µm		0.5µm/1µm	
Response Speed	Max.up to 5000mm/s						
Measuring Force	0.7-1.2N	0.7-1.2N	0.7-1.7N	0.7-1.2N	0.7-1.7N	0.7-1.2N	0.7-1.7N
External Output	TYPE-C / USB						
Display	7 Bits Green LED			8 Bits Green LED			
Probe	Ball Probe,Flat Probe,Conical Probe						
Unit	mm/inch						
Proper Working Environment	Temperature:0°C-40°C Humidity:20%-80%						
Table Size/mm	200x250	130x130	200x250	130x130		130x130	
Power Adapter	Input: AC100-240V 50/60Hz Output: DC 5V/1A						
Accesories	Stand,BallTip,FlatTip,ConicalTip,Handle,PowerAdaptor						
Optional Accesories	DataTransmission Kit,SpecialTips, Portable Battery						
Weight	25kg			12kg		12kg	

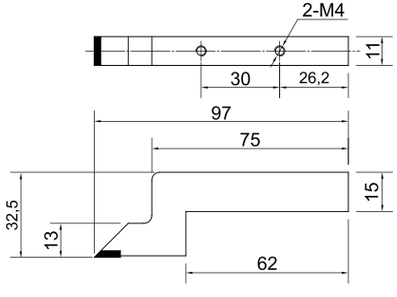
VERNIER HEIGHT GAUGE

MADE OF STAINLESS STEEL

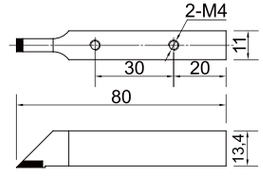
- Designed for scribing from a vertical base
- Stain chrome finished scales for glare-free reading
- At zero-position the scriber coincides exactly with the base
- Carbide tipped scriber for sharp, clean lines
- Beam and slider are made of stainless steel
- Dustproof shield optional



● 3001-4105 For:3001-0105,Range:0-300/0-12"



● 3001-4120 For:3001-0120,Range:0-600/0-24"



● 3001-4125 For:3001-0125,Range:0-1000/0-40"

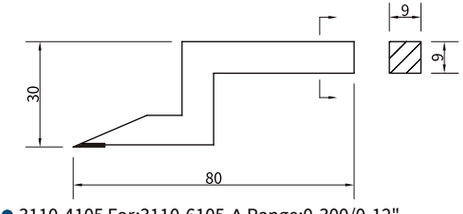
Unit:mm

Code	Range	Graduation	Accuracy
3001-0105	0-300/0-12"	0.02/0.001"	±2Graduation
3001-0120	0-600/0-24"	0.02/0.001"	±3.5Graduation
3001-0125	0-1000/0-40"	0.02/0.001"	±3.5Graduation

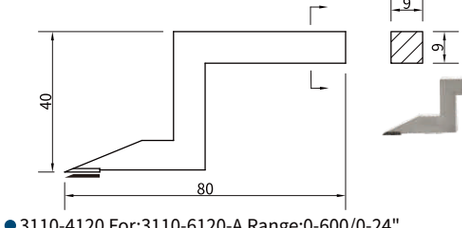
HEIGHT GAUGE WITH ADJUSTABLE BEAM

WITH MAGNIFIER

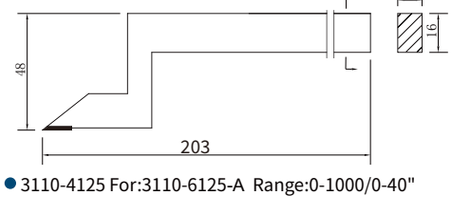
- Magnifier for easier reading
- Adjustable main beam to set the zero reference point
- Made of stainless steel, widened and thickened
- Carbide tipped scriber for sharp, clean lines
- With fine adjustment
- Satin chrome-finished scales
- Base hardened, ground and lapped for maximum flatness
- Dustproof shield optional



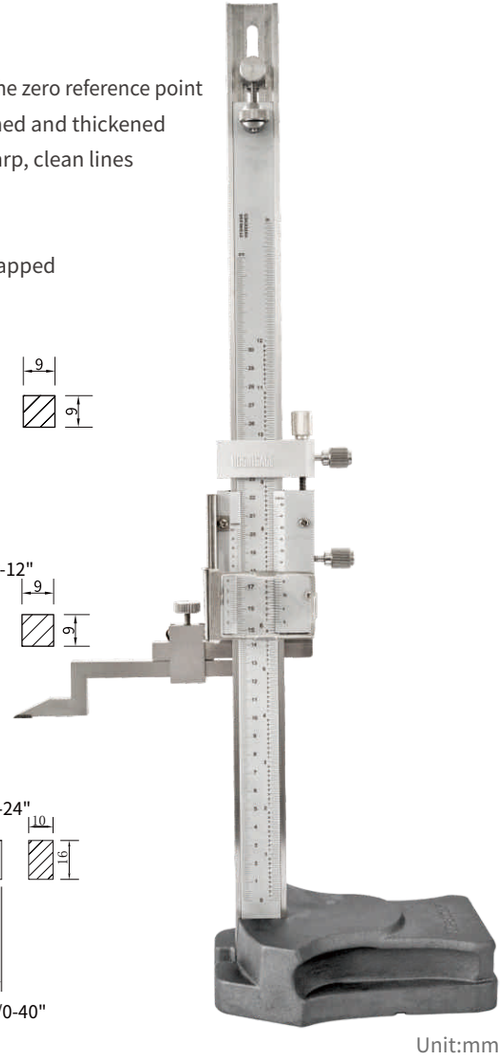
● 3110-4105 For:3110-6105-A Range:0-300/0-12"



● 3110-4120 For:3110-6120-A Range:0-600/0-24"



● 3110-4125 For:3110-6125-A Range:0-1000/0-40"

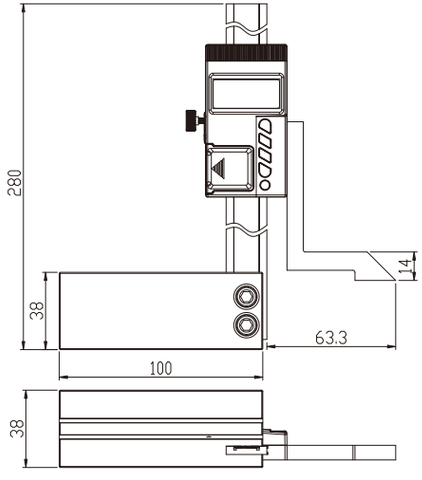


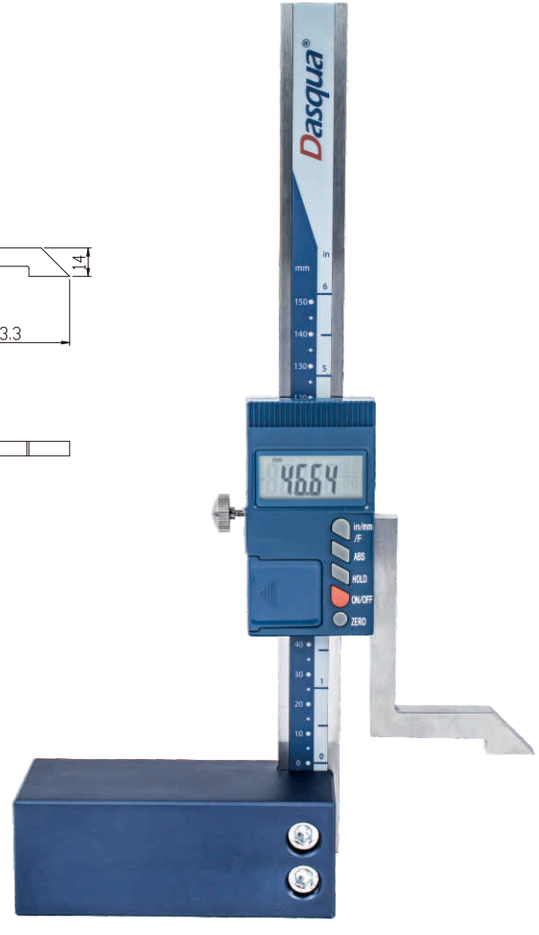
Unit:mm

Code	Range	Graduation	Accuracy
3110-6105-A	0-300/0-12"	0.02/0.001"	±0.03
3110-6120-A	0-600/0-24"	0.02/0.001"	±0.06
3110-6125-A	0-1000/0-40"	0.02/0.001"	±0.06

DIGITAL HEIGHT GAUGE, LIGHT DUTY FOR WOODWORKING

WITH MAGNETIC BASE





- Made of stainless steel
- Rigid, heavy duty beam
- With magnetic base for easy to fix on the workbench

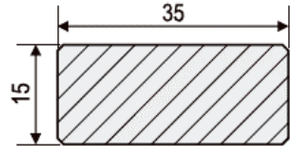
Unit:mm

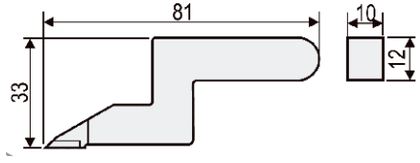
Code	Range	Resolution	Accuracy
3130-4005	0-150/0-6"	0.01/0.0005"/ 1/128"	0.03/0.0015"

DIGITAL HEIGHT GAUGE

WITH HANDWHEEL

Battery + CR2032





- Power on/off
- With preset function
- With fine adjustment device
- With carbide-tipped scriber
- With handwheel, easy to use
- Used for height measurements and scribing
- MM/inch conversion at any position
- Zero-setting at any position, convenient for relative and absolute measure conversion

Unit:mm

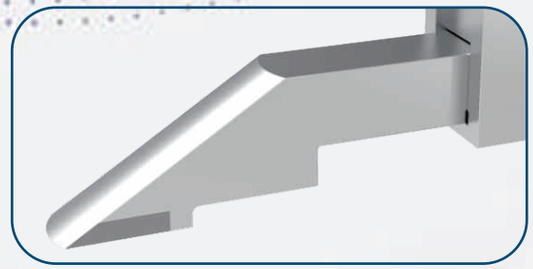
Code	Measuring Range(mm)	Graduation (mm)	Accuracy (mm)	Net Weight
3430-4110	0-300/0-12''	0.01/0.0005''	±0.04	6.60
3430-4115	0-500/0-20''	0.01/0.0005''	±0.05	8.00
3430-4120	0-600/0-24''	0.01/0.0005''	±0.05	8.40

IP54 HEAVY DUTY DIGITAL HEIGHT GAUGE

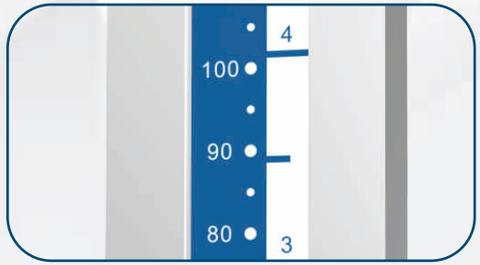
WATER PROOF INDUCTANCE SENSOR

Absolute | Battery + CR2032 | mm / in | Data output

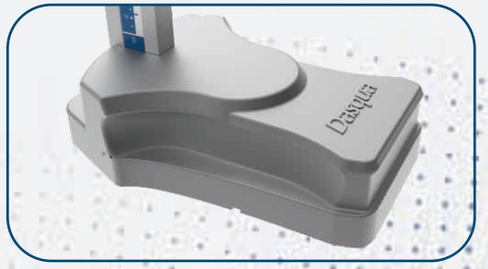
- Larger screen for easy reading



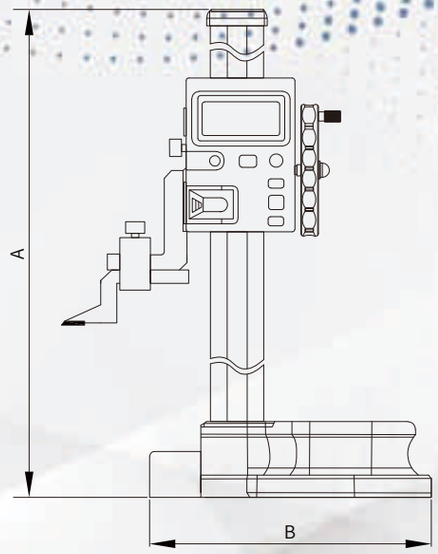
- Carbide tipped scriber for sharp, clean lines



- Stainless steel beam for longer service life



- New designed heavy duty base for better stability



Unit:mm

Code	Range	Resolution	A	B	Accuracy
3530-0005	0-300/0-12"	0.01/0.0005"	492	190	0.02/0.0008"
3530-0010	0-600/0-24"	0.01/0.0005"	796	190	0.04/0.0015"

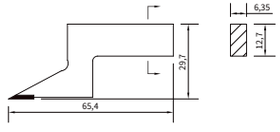
DIGITAL HEIGHT GAUGE

WITH ABSOLUTE LINEAR ENCODER

BEST SELLER

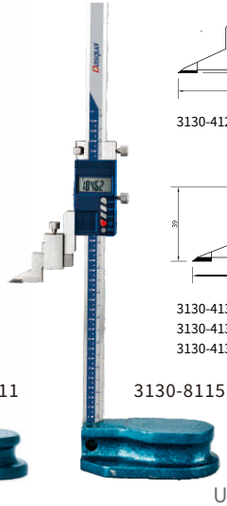
mm / in | Absolute | Battery + CR2032

- Built-in absolute liner encoder, no need to set the reference point at every power-on
- Carbide tipped scriber for sharp, clean lines
- With SPC data output
- Large, easy-to-read LCD display
- Rigid, heavy duty beam and base
- Dustproof shield optional

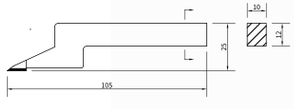


3130-4115 For:3130-8119 Range:0-300/0-12"

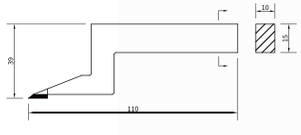
3130-8111



3130-8115



3130-4125 For:3130-8125 Range:0-600/0-24"



3130-4130 For:3130-8130 Range:0-1000/0-40"
3130-4130 For:3130-8135 Range:0-1500/0-60"
3130-4130 For:3130-8140 Range:0-2000/0-80"

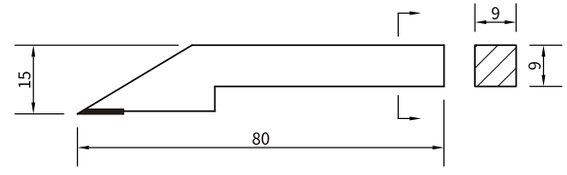
3130-8119

Unit:mm

Code	Range	Resolution	Accuracy
3130-8105	0-150/0-6"	0.01/0.0005"	±0.03
3130-8110	0-200/0-8"	0.01/0.0005"	±0.03
3130-8111	0-200/0-8"	0.01/0.0005"	±0.03
3130-8115	0-300/0-12"	0.01/0.0005"	±0.04
3130-8119	0-300/0-12"	0.01/0.0005"	±0.04
3130-8120	0-500/0-12"	0.01/0.0005"	±0.05
3130-8125	0-600/0-24"	0.01/0.0005"	±0.05
3130-8130	0-1000/0-40"	0.01/0.0005"	±0.07
3130-8135	0-1500/0-60"	0.01/0.0005"	±0.11
3130-8140	0-2000/0-80"	0.01/0.0005"	±0.14

DOUBLE-BEAM DIGITAL HEIGHT GAUGE

Battery + CR2032



3230-4105 For:3230-8105-A Range:0-300/0-12"
3230-4105 For:3230-8110-A Range:0-500/0-20"
3230-4105 For:3230-8115-A Range:0-600/0-24"
3230-4105 For:3230-8116-A Range:0-1000/0-40"

- With SPC data output
- With a feed wheel on the back
- Double-beam ensures higher measuring accuracy
- Long carbide tipped scriber for sharp, clean lines
- Rigid, heavy duty construction for industry use
- Base hardened, ground and lapped for maximum flatness
- Zero-setting at any position
- Dustproof shield optional

Unit:mm

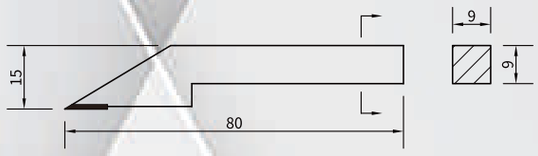
Code	Range	Resolution	Accuracy
3230-8105-A	0-300/0-12"	0.01/0.0005"	±0.04
3230-8110-A	0-500/0-20"	0.01/0.0005"	±0.05
3230-8115-A	0-600/0-24"	0.01/0.0005"	±0.05
3230-8116-A	0-1000/0-40"	0.01/0.0005"	±0.07

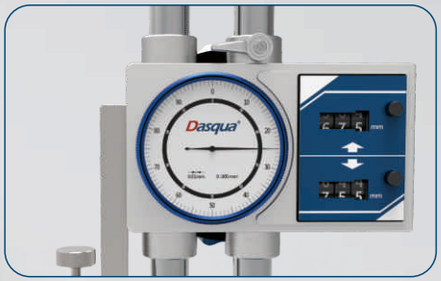
E

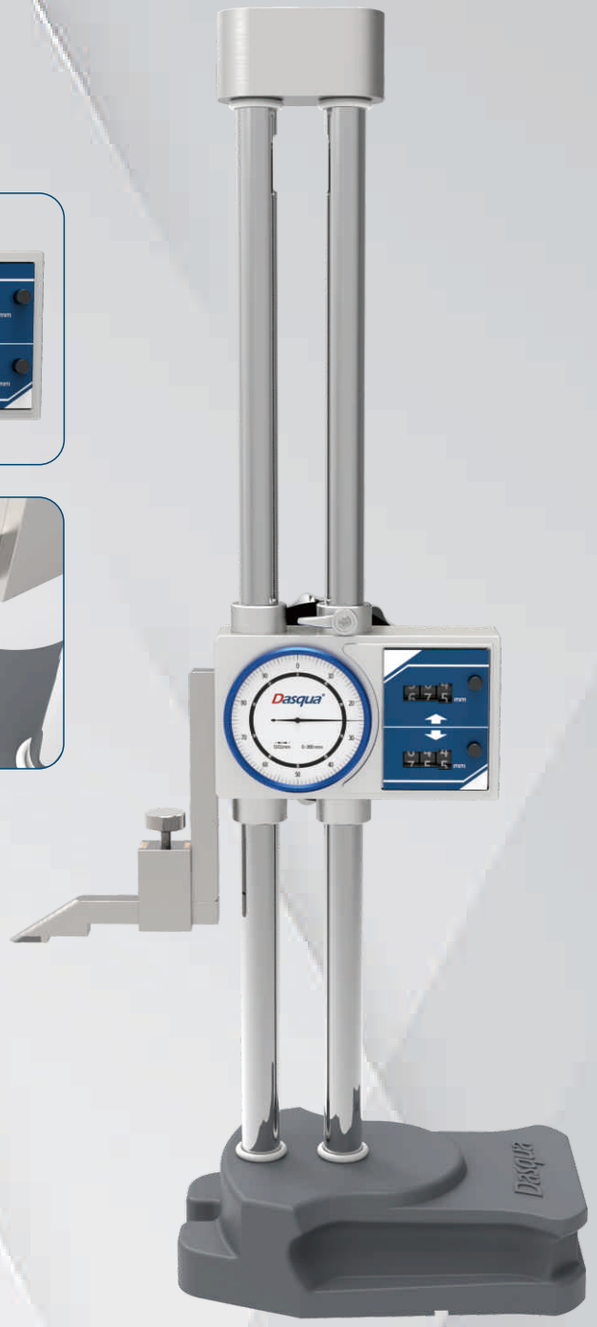
DOUBLE-BEAM DIAL HEIGHT GAUGE

WITH DIGIT COUNTER

- Provided with a dial and two digit counters for more accurate reading
- Double-beam ensures higher measuring accuracy
- One counter reads in the plus direction and the other reads in the minus direction
- With a feed wheel on the back
- Carbide tipped scriber for sharp, clean lines
- Both counters and dial can be re-zeroed at any scriber position
- Base hardened, ground and lapped for maximum flatness
- Dustproof shield optional







- 3230-4105 For:3221-1105-A Range:0-300
- 3230-4105 For:3221-1110-A Range:0-500
- 3230-4105 For:3221-1115-A Range:0-600
- 3230-4105 For:3221-1120-A Range:0-1000
- 3230-4105 For:3222-4205-A Range:0-12"
- 3230-4105 For:3222-4210-A Range:0-20"
- 3230-4105 For:3222-4215-A Range:0-24"
- 3230-4105 For:3222-4220-A Range:0-40

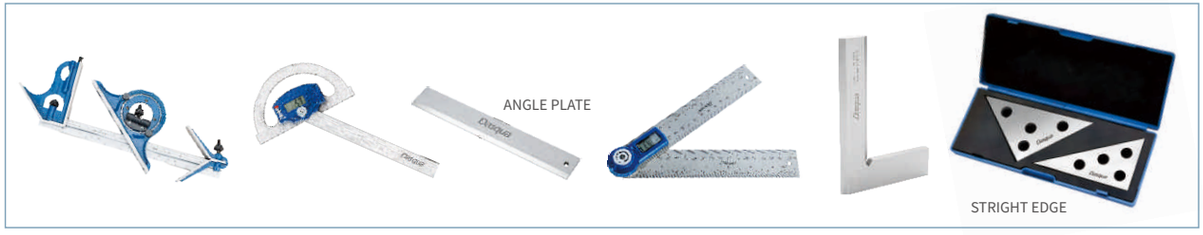
Unit:mm

Code	Range	Graduation	Counter Resolution	Accuracy
3221-1105-A	0-300	0.01	1	±0.04
3221-1110-A	0-500	0.01	1	±0.05
3221-1115-A	0-600	0.01	1	±0.05
3221-1120-A	0-1000	0.01	1	±0.07
3222-4205-A	0-12"	0.0005"	0.1"	±0.0015"
3222-4210-A	0-20"	0.0005"	0.1"	±0.002"
3222-4215-A	0-24"	0.0005"	0.1"	±0.002"
3222-4220-A	0-40"	0.0005"	0.1"	±0.0030"

ANGEL MEASURING

BORN IN ITALY, RAISED BY THE WORLD

02-23 ANGEL MEASURING



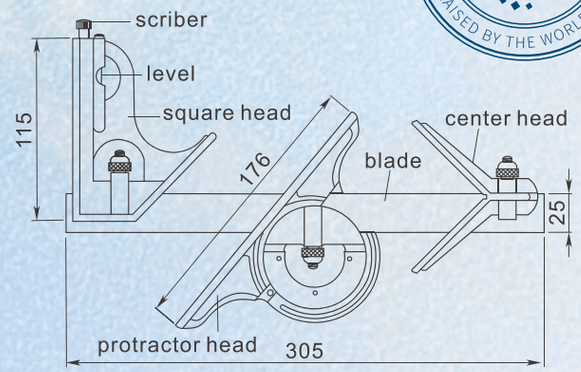
4 PCS COMBINATION SQUARE SET

BORN IN ITALY
BEST SELLER
RAISED BY THE WORLD

- Made by procoated mold and no blister on the surface

Unit:mm

Code	Ruler	Measuring Range	Graduation
1012-2010	300/12"	0-180°	1.0/1/64" and 0.5/1/32"
1012-2010-A	300/12"	0-180°	1.0/1/64" and 0.5/1/32"
1012-2015	12"	0-180°	1/50 Inch, 1/100 Inch, 1/32 Inch, 1/64 Inch
1012-2020	12"	0-180°	1/8&1/32 Inch, 1/16 &1/64 Inch



- Distinct lines and figures against the satin chrome finish making reading easily

- Low surface roughness and high accuracy with surfaces precisely ground

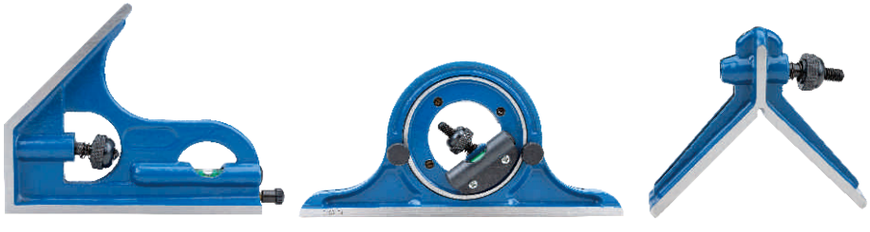
- Powder-coated process guaranteeing high surface durability

- Strong and elegant packing

SPARE PARTS

FOR COMBINATION SQUARE SET

●1012-1080 ●1012-1085 ●1012-1090

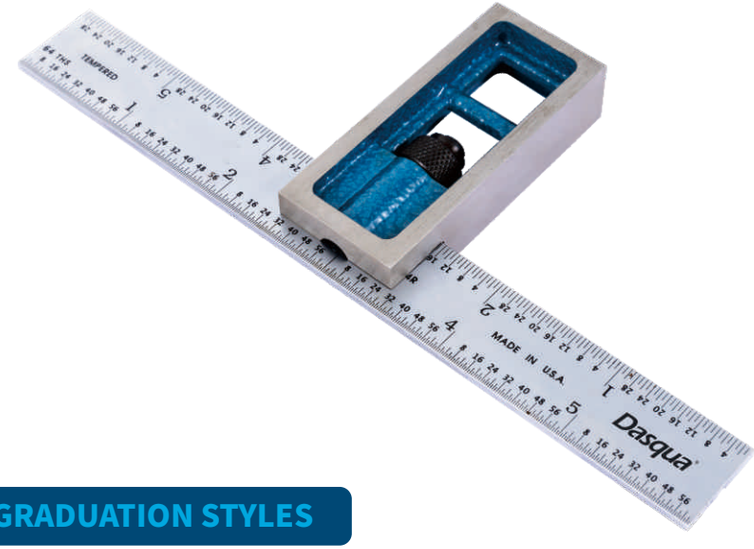


●1012-0060 ●1012-0090 ●1012-0055

Unit:mm

Code	Range
1012-0055	90° Center Square
1012-0060	45°/90°Angle Square with Sciber and Bubble
1012-0090	Angle/Main Square
1012-1080	Shorter size-Locking Clamp Screw for the Combination Square Set-45°/90°Angle Square & Angle/Main Square
1012-1085	Longer size-Locking Clamp Screw for the 90° Center Square
1012-1090	Sciber for the 45°/90°Angle Square

DOUBLE SQUARES



GRADUATION STYLES

4R: 8ths & 16ths, 32nds & 64ths
Metric: mm & 0.5mm bo th sides
16R: 32nds & 64ths, 50ths & 100ths
E/M: 0.5mm & 32nds, mm & 64ths

- Ideal for precision layout work
- Used either as a parallel or double square
- All blades fully hardened and tempered
- High contrast, Micro-Fine blade graduations
- Durable, easy to read satin chrome finished blades

Unit:mm

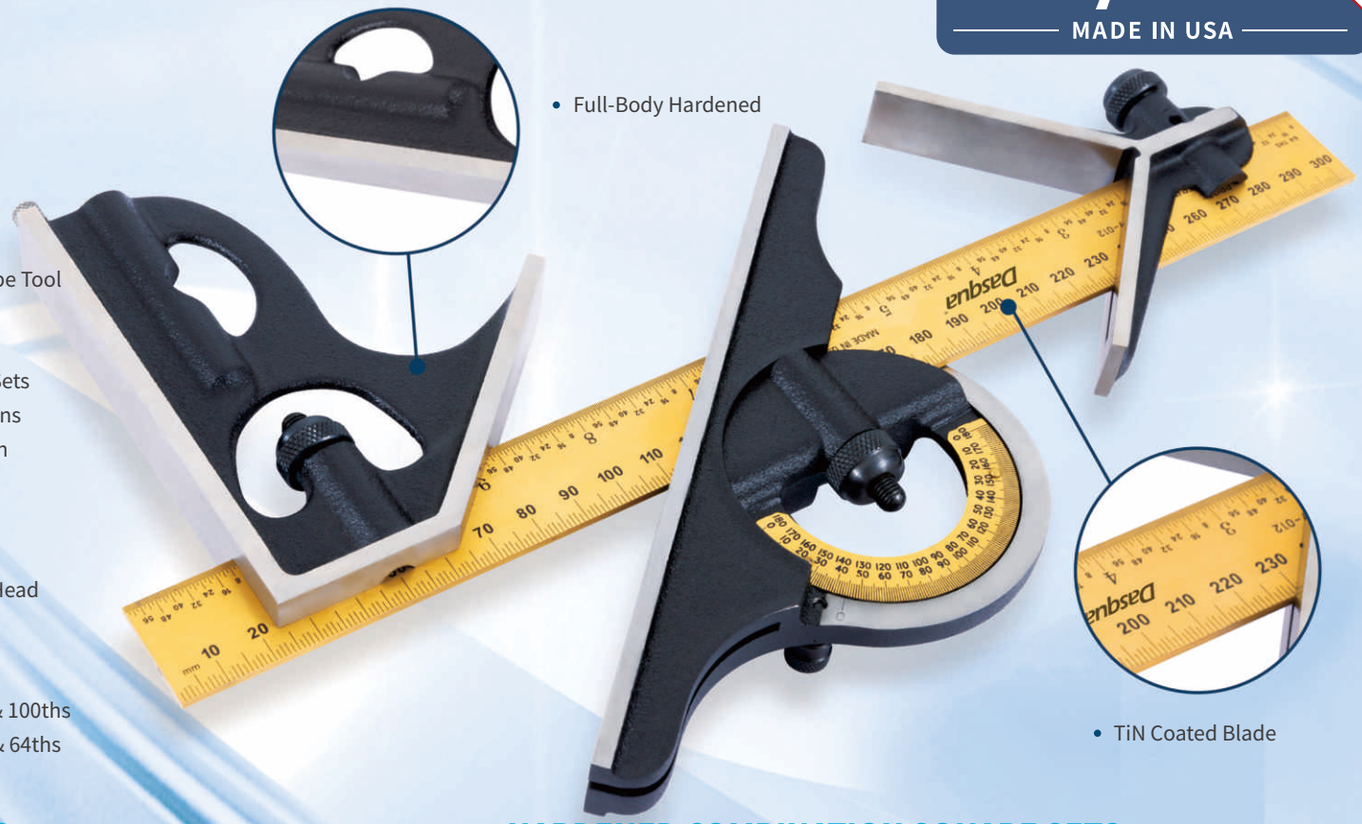
Code	Blade length	Blade style
1013-0005	4"	4R
1013-0105	4"	16R
1013-0205	4"	E/M
1013-0305	100mm	Metric
1013-0010	6"	4R
1013-0110	6"	16R
1013-0210	6"	E/M
1013-0310	150mm	Metric

COMBINATION SQUARES

Dasqua Blu
MADE IN USA

NEW TIN-COATED BLADE

- All Blades Fully Hardened and Tempered
- Square/Miter Head Features Level Vial & Hardened Scribe Tool
- High Contrast, Micro-Fine Blade Graduations
- Durable, Easy to Read
- Reversible (Full-Body) Protractor Head with Hardened Sets
- Protractor Scale Graduated from 0-180° in Both Directions
- Heads Supplied with a Hammertone Powder-Coat Finish



4-PIECE SET INCLUDES

Machinist's Blade,Square/Miter Head, Protractor and Cent er Head

GRADUATION STYLES

4R: 8ths & 16ths, 32nds & 64ths
16R: 32nds & 64ths, 50ths & 100ths
Metric: mm & 0.5mm bo th sides
E/M: 0.5mm & 32nds, mm & 64ths

CAST IRON COMBINATION SQUARE SETS

Unit:mm

Code	Blade length	Protractor style	Blade style
1012-5005	12"	non-reversible	16R
1012-5010	18"	non-reversible	16R
1012-5015	24"	non-reversible	16R
1012-5105	12"	non-reversible	4R
1012-5110	18"	non-reversible	4R
1012-5115	24"	non-reversible	4R
1012-5205	12"	non-reversible	E/M
1012-5210	18"	non-reversible	E/M
1012-5215	24"	non-reversible	E/M
1012-5305	300mm	non-reversible	Metric
1012-5310	450mm	non-reversible	Metric
1012-5315	600mm	non-reversible	Metric

HARDENED COMBINATION SQUARE SETS

Unit:mm

Code	Blade length	Protractor style	Blade style
1012-6005	12"	reversible	16R
1012-6010	18"	reversible	16R
1012-6015	24"	reversible	16R
1012-6105	12"	reversible	4R
1012-6110	18"	reversible	4R
1012-6115	24"	reversible	4R
1012-6205	12"	reversible	E/M
1012-6210	18"	reversible	E/M
1012-6215	24"	reversible	E/M
1012-6305	300mm	reversible	Metric
1012-6310	450mm	reversible	Metric
1012-6315	600mm	reversible	Metric

STAINLESS STEEL RULER

- Spare Parts
  for Combination Square Set

Unit:mm

Code	Ruler size	Graduation
1012-2011	300mm/12"	1mm (1/64"),0.5mm (1/32")
1012-1070	150mm/6"	1mm (1/64"),0.5mm (1/32")
1012-1075	450mm/18"	1mm (1/64"),0.5mm (1/32")

HEAVY DUTY 2 PCS COMBINATION SQUARE SET

- Protractor (cast iron): can set the ruler to form a certain angle with the workpiece, and can also be used for angle measurement

Unit:mm

Code	Ruler size	Graduation	Measuring Range	Accuracy
1012-1045	300mm/12"	1mm (1/64"),0.5mm (1/32")	0-180°	±20"
1012-1050	150mm/6"	1mm (1/64"),0.5mm (1/32")	0-180°	±20"
1012-1055	450mm/18"	1mm (1/64"),0.5mm (1/32")	0-180°	±20"
1012-1060	600mm/24"	1mm (1/64"),0.5mm (1/32")	0-180°	±20"

4PCS DIGITAL COMBINATION SQUARE SET

Battery + CR2032

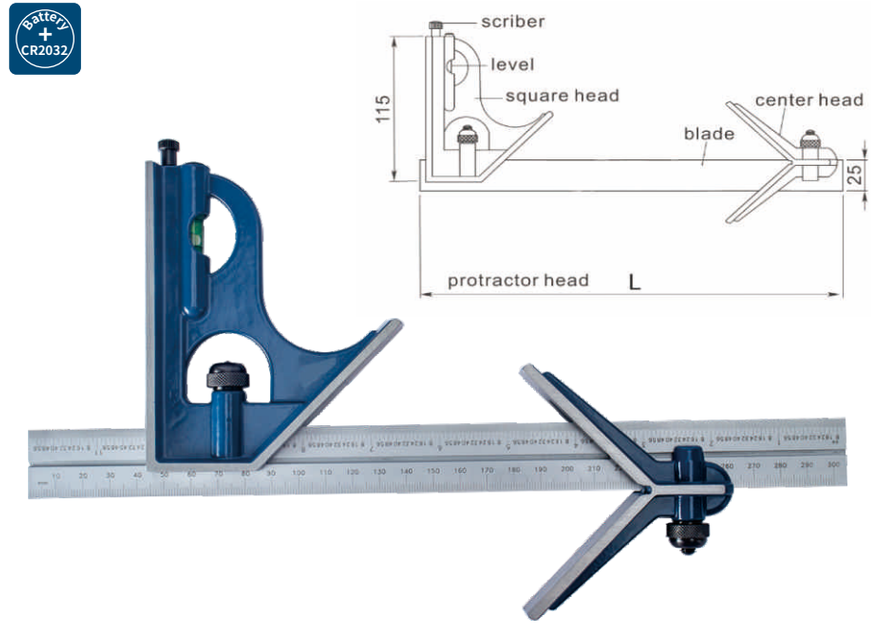
- Higher accuracy with digital protractor newly applied
- Made by procoated mold and no blister on the surface
- Distinct lines and figures against the satin chrome finish making reading easily
- Low surface roughness and high accuracy with surfaces precisely ground

Unit:mm

Code	Ruler	Graduation	Accuracy
1012-0030	300/12"	1.0/1/64" and 0.5/1/32"	±10'within0.15°

3 PCS COMBINATION SQUARE SET

Battery + CR2032



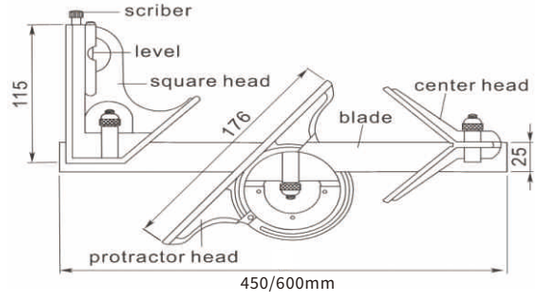
- Centering ruler (cast iron): used to find the center of cylindrical workpieces, applicable cylindrical workpiece diameter (Ød): 30-100mm accuracy: ±0.15mm
- Right-angle ruler (cast iron): can be set to 90° or 45° with the workpiece, 90° angle accuracy: +8 ", 45° angle accuracy: ±10 "
- Ruler (stainless steel): Measuring range: 300mm/12" Graduation value: 0.5mm and 1/32" on the front, 1mm and 1/64" on the back

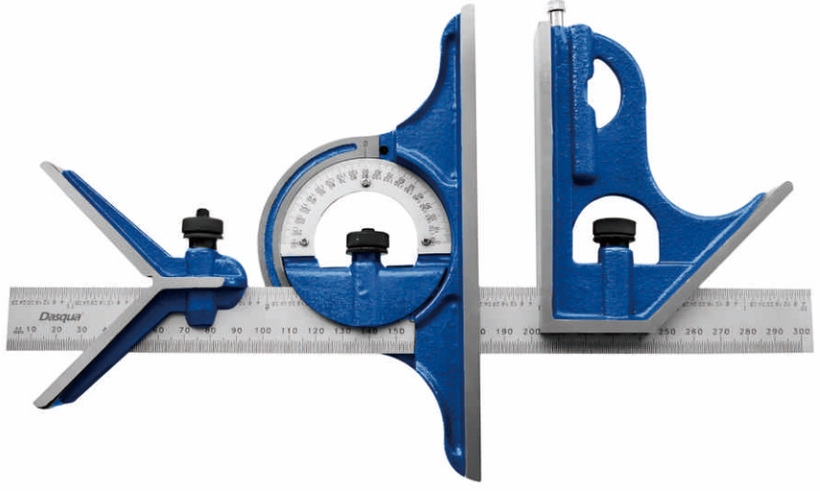
Unit:mm

Code	Ruler Size	Graduation
1012-0100	300mm/12"	1mm (1/64"),0.5mm (1/32")

4 PCS COMBINATION SQUARE SET

Battery + CR2032





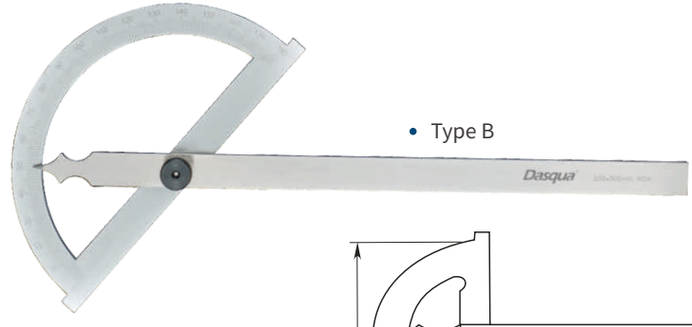
- Centering ruler (cast iron): used to find the center of cylindrical workpieces, applicable cylindrical workpiece diameter (Ød): 30-100mm accuracy: ±0.15mm
- Protractor (cast iron): can set the ruler to a certain angle with the workpiece, and can also be used for angle measurement. Measuring range: 0-180, accuracy: ±20'
- Right-angle ruler (cast iron): can set the ruler to 90° or 45° with the workpiece, 90° angle accuracy: +8 points, 45° angle accuracy: ±10'

Unit:mm

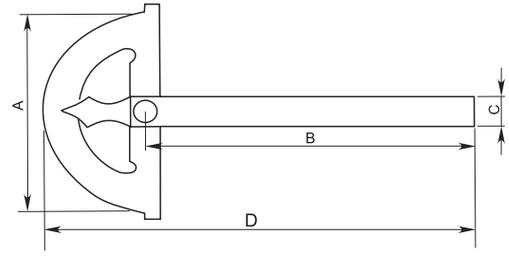
Code	Ruler Size	Graduation
1012-1065	450mm/18"	1mm (1/64"),0.5mm (1/32")
1012-0105	600mm/24"	1mm (1/64"),0.5mm (1/32")

PROTRACTOR

- Type A



- Type B

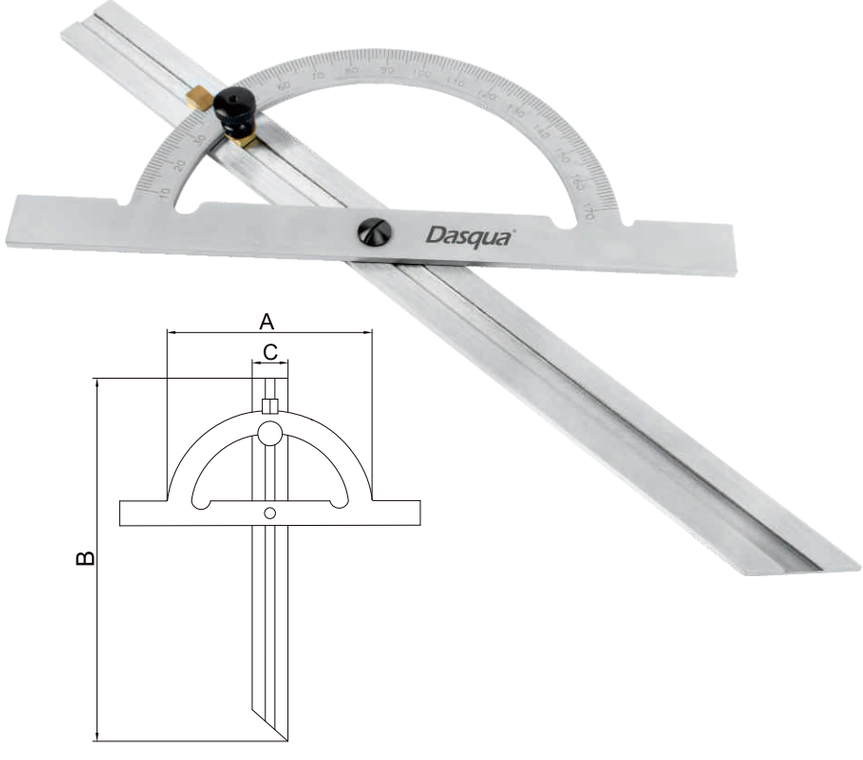


- Made of stainless steel
- Satin chrome finish, anti-rust and durable
- Locking knob can hold any angle
- Multi-purpose, engineering drawing, angle measurement, architectural design, woodworking, length measurement, etc
- Packaged in a beautiful and durable leather bag

Unit:mm

Code	Range	Graduation	Size(**AxB**)	**D**	**C**	Accuracy	Type
1011-1005	0-180°	1°	85x150	199	15	±30'	Type A
1012-1005	0-180°	1°	80x120	168	11	±30'	Type B
1012-1010	0-180°	1°	120x150	220	14	±30'	Type B
1012-1020	0-180°	1°	150x200	285	16	±30'	Type B
1012-1030	0-180°	1°	200x300	413	20	±30'	Type B
1012-1035	0-180°	1°	300x500	665.5	31.5	±30'	Type B
1012-1040	0-180°	1°	300x600	665.5	32	±30'	Type B

PROTRACTOR WITH ADJUSTABLE BLADE

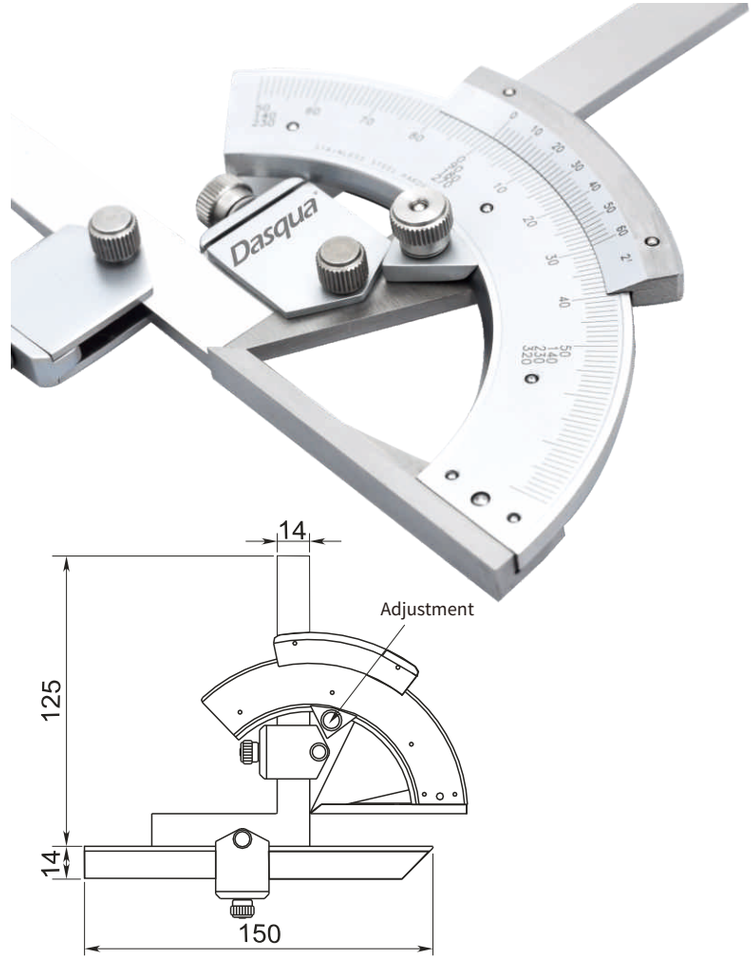


- Suitable for fast and accurate measurement of parts
- All measuring surfaces are hardened and ground

Unit:mm

Code	Angle Measuring Range	Graduation	A	B	C	Accuracy
1012-4005	10-170°	1°	100	150	18	±10"
1012-4010	10-170°	1°	150	300	22	±10"
1012-4015	10-170°	1°	200	400	24	±10"
1012-4020	10-170°	1°	250	500	28	±10"
1012-4025	10-170°	1°	300	600	32	±10"

UNIVERSAL PROTRACTOR

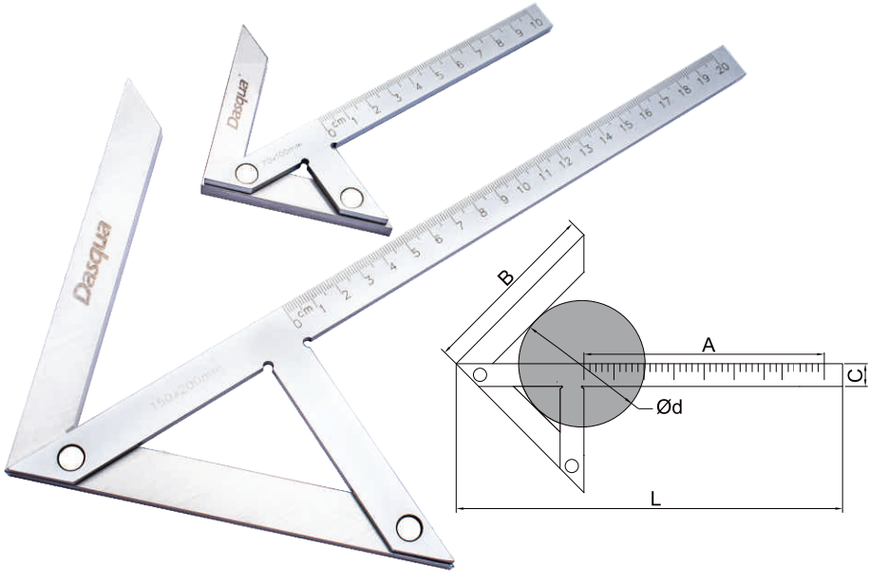


- Made of stainless steel
- With fine adjustment
- Measuring surface hardened, ground and lapped ensures smooth movement
- Satin chrome finish, anti-rust and durable

Unit:mm

Code	Range	Graduation	Accuracy
1012-2005	0-320°	2′	±2′

CENTERING SQUARE GAUGE



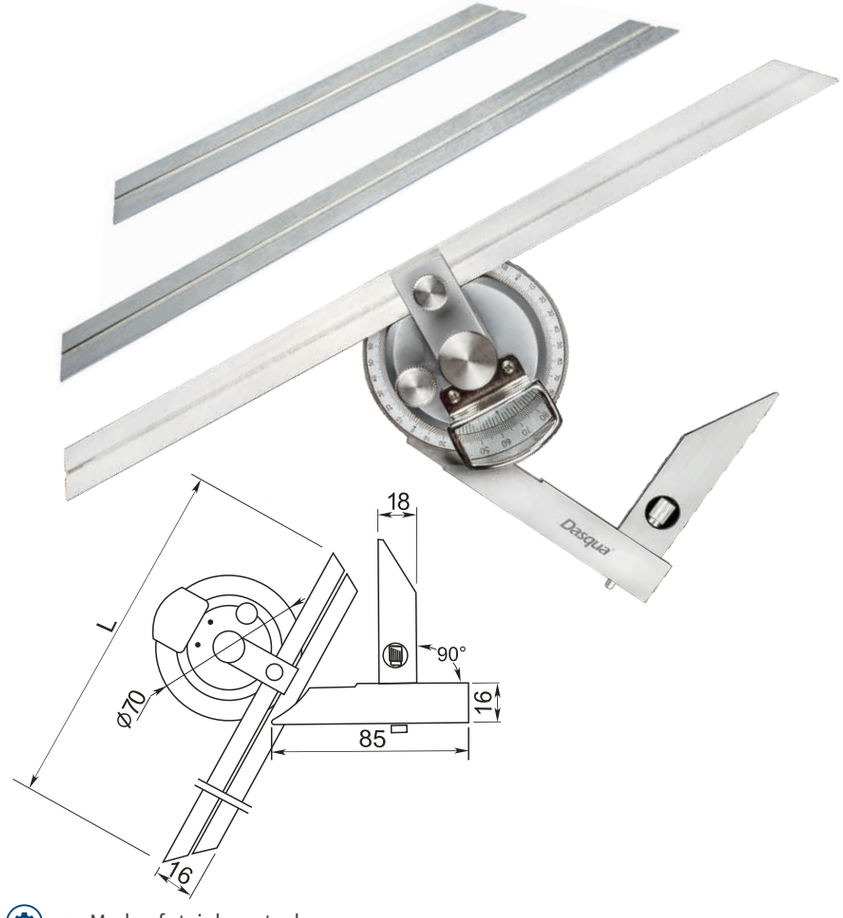
- Center Square Gauge
- For marking centers on round discs and shafts
- Stainless steel material
- Scale in matt chrome finish

Unit:mm

Code	Size(AxB)	Error Range	Max Shaft Diameter	Scale Bar	Bar Cross Section
1012-3005	100×70	0.3	90	100	12x4
1012-3010	150×130	0.3	190	150	15x4
1012-3015	200×150	0.3	220	200	15x4
1012-3016	250×160	0.37	230	250	15x4
1012-3020	300×180	0.4	280	300	20x5

UNIVERSAL PROTRACTOR

WITH FINE ADJUSTMENT AND MAGNIFIER

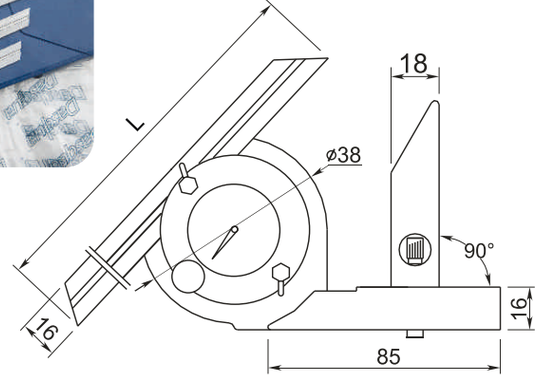


- Made of stainless steel
- With a magnifier for easy and clear reading
- Measuring surface hardened, ground and lapped ensures smooth movement
- Satin chrome finish, anti-rust and durable
- With fine adjustment
- Provided with 150mm, extra 200mm and 300mm for free

Unit:mm

Code	Range	Graduation	L	Accuracy
1031-2005	0-360°	5'	150/200/300 6"/8"/12"	±5'

UNIVERSAL DIAL PROTRACTOR



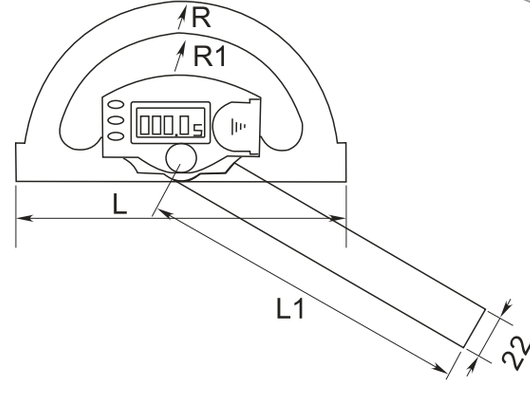
- Made of stainless steel
- With a dial for easy and accurate reading
- Measuring surface hardened, ground and lapped ensures smooth movement
- Satin chrome finish, anti-rust and durable
- Provided with three blades (150mm, 200mm, 300mm)

Unit:mm

Code	Range	Graduation	L	Accuracy
1031-2010	0-360°	5'	150/200/300	±5'

INDUSTRIAL DIGITAL PROTRACTOR

Battery + CR2032



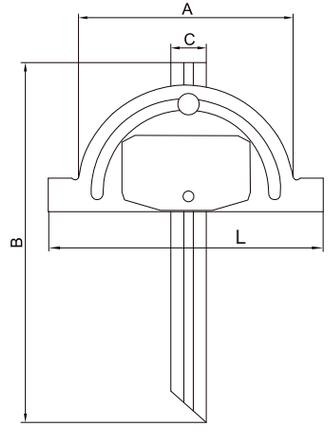
- Measuring range: 0-180°
- Big LCD display for easy and clear reading
- Stainless steel scale, measuring surface hardened, ground and lapped
- Locking knob can hold any angle
- Data hold function, zero setting at any position
- Satin chrome finish, anti-rust and durable

Unit:mm

Code	Range	Size	Resolution	L	L1	R	R1	Accuracy
1022-1005	0-180°	120x150	0.05°	132	161.5	60	/	±15'
1022-1010	0-180°	150x200	0.05°	158	211.5	75	60	±15'
1022-1015	0-180°	200x300	0.05°	221	311.5	98	78	±15'

DIGITAL PROTRACTOR

Battery + CR2032



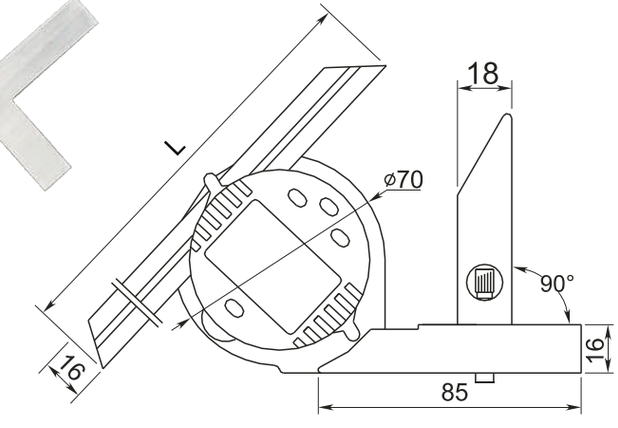
- Measuring range: 0-180°
- Made of stainless steel
- All measuring surfaces are hardened and ground
- Suitable for fast and accurate measurement of parts

Unit:mm

Code	Angle Measuring Range	Graduation	L	L1	R	C	Accuracy
1012-0065	0-180°	0.05°	162	150	64	22	±20"
1012-0070	0-180°	0.05°	218	300	75	22	±20"
1012-0085	0-180°	0.05°	292	400	100	24	±20"

UNIVERSAL DIGITAL PROTRACTOR

Battery + CR2032 | Data output



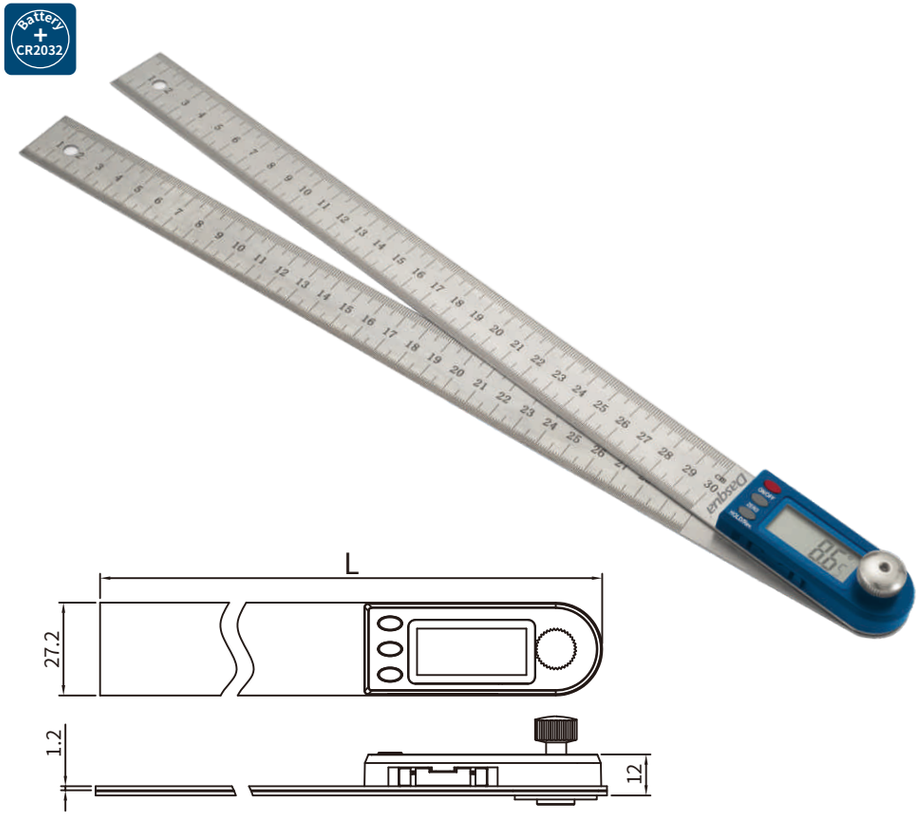
L=150MM/200MM/300MM

- Made of stainless steel
- Large digital display for easy reading
- Measuring surface hardened, ground and lapped ensures smooth movement
- Satin chrome finish, anti-rust and durable
- Provided with three blades (150mm, 200mm, 300mm)

Unit:mm

Code	Range	Resolution	L	Accuracy
1021-2005	0-360°	10"	150/200/300	±5'
1021-2010	0-360°	1"	150/200/300	2.5''

STAINLESS DIGITAL PROTRACTOR

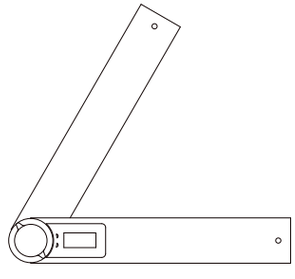


- For easy measurement and transfer of angles
- Easy-to-read display
- With clamping screw to lock the blades
- Automatic power off
- Numeric value can be rotated through 180°
- Zero-setting at any position
- Upper and lower edges both with 1 mm graduations

Unit:mm

Code	Size	Range	Resolution	L	Accuracy
1022-0200	200	0-360°	0.05°	277	±0.2°
1022-0300	300	0-360°	0.05°	380	±0.2°

STAINLESS DIGITAL PROTRACTOR



- Both measure the angle and length, metric and inch display
- Calculating angles quickly and accurately, digital display clearly
- Easily operation with only two press button
- Good locking function could lock the measurement at any angle
- Compact structure to achieve convenient carrying and using
- Stainless steel scale achieve durable using
- Easily drawing line with the stainless steel rule
- It could be well used into various field instead of angle rule, straight ruler and square etc

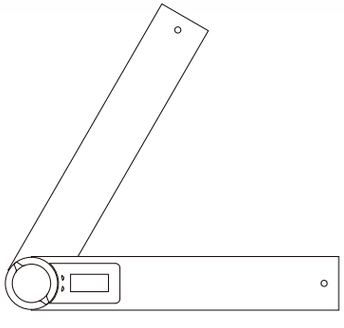
Unit:mm

Code	Angle Measuring Range	Graduation	L*H*W	Net Weight (g)	Accuracy
1022-4125	0-360°/150mm	0.1°	168*20*35	150.00	±0.3°
1022-4200	0-360°/200mm	0.1°	218*20*35	163.00	±0.3°
1022-4250	0-360°/250mm	0.1°	268*20*35	190.00	±0.3°
1022-4300	0-360°/300mm	0.1°	318*20*35	222.00	±0.3°
1022-4305	0-360°/500mm	0.1°	518*20*35	335.00	±0.3°

DIGITAL PROTRACTOR

PLASTIC FOR WOODWORKING

Battery + CR2032



- Plastic digital protractor, light and easy to carry and operate
- Professional thickness design for more accurate
- Good choice for wood working

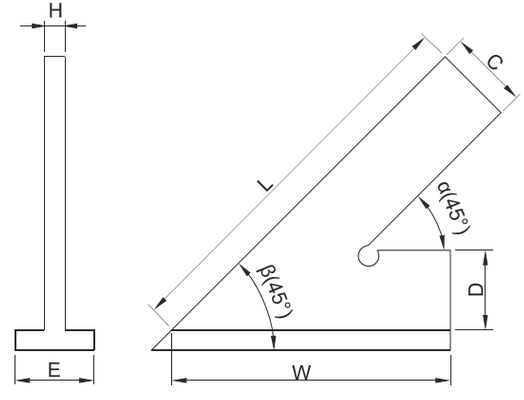
Unit:mm

Code	Angle Measuring Range	Graduation
1022-2200	0-360°/200mm	0.1°/0.1mm

45°SQUARE

WITH WIDE BASE

DIN 875



- Precision ground base for measuring and checking the flatness error
- Strictly made in accordance with DIN875
- Made of hardened stainless steel
- Satin chrome finish for glare-free easy reading
- Measuring surfaces are precision ground and lapped

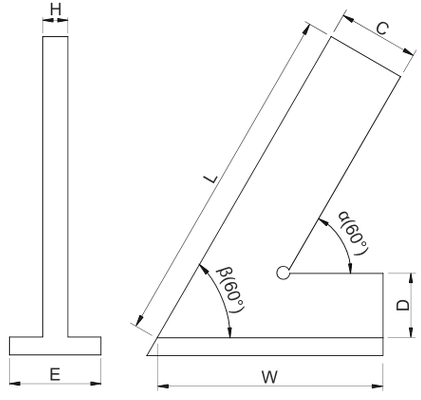
Unit:mm

Code	Standard	Size(**LxW**)	Angle Tolerance	C	D	H	E
9222-3105	DIN875/2	120x80	0.030	20	20	5	20
9222-3110	DIN875/2	150x100	0.035	20	20	5	20
9222-3115	DIN875/2	200x130	0.040	25	25	6	25

60°SQUARE

WITH WIDE BASE

DIN 875



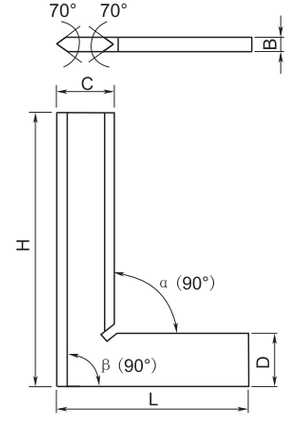
- Precision ground base for measuring and checking the flatness error
- Strictly made in accordance with DIN875
- Made of hardened stainless steel
- Satin chrome finish for glare-free easy reading
- Measuring surfaces are precision ground and lapped

Unit:mm

Code	Standard	Size(LxW)	Angle Tolerance	C	D	H	E
9272-1005	DIN875/2	120x80	0.030	20	20	5	20
9272-1010	DIN875/2	150x100	0.035	20	20	5	20
9272-1015	DIN875/2	200x130	0.040	25	25	6	25

90°BEVELED EDGE SQUARE

DIN 875



- Strictly made in accordance with DIN875
- Made of hardened stainless steel
- Beveled edges can be used for inside and outside measurement
- Measuring surfaces are precision ground and lapped

GRADE 0

Unit:mm

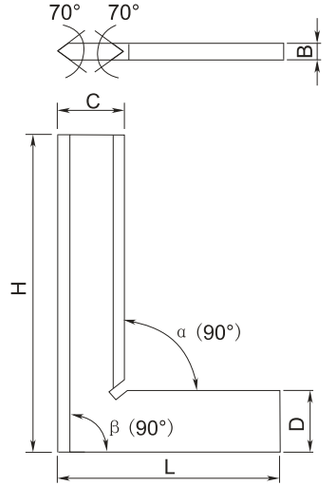
Code	Standard	Size(HxL)	Angle Tolerance	C	D	B
9111-1102	DIN875/0	25x20	0.005	4	6	3.5
9111-1104	DIN875/0	40x28	0.006	4	6	3.5
9111-1105	DIN875/0	50x40	0.006	13	13	4
9111-1110	DIN875/0	75x50	0.007	15	15	4
9111-1115	DIN875/0	100x70	0.007	20	20	5
9111-1120	DIN875/0	150x100	0.008	30	30	6
9111-1125	DIN875/0	200x130	0.009	33	33	7
9111-1130	DIN875/0	250x165	0.01	35	35	7
9111-1135	DIN875/0	300x200	0.011	40	40	8

GRADE 00

Unit:mm

Code	Standard	Size(HxL)	Angle Tolerance	C	D	B
9100-1102	DIN875/00	25x20	0.003	4	6	3.5
9100-1104	DIN875/00	40x28	0.003	4	6	3.5
9100-1105	DIN875/00	50x40	0.003	13	13	4
9100-1110	DIN875/00	75x50	0.003	15	15	4
9100-1115	DIN875/00	100x70	0.003	20	20	5
9100-1120	DIN875/00	150x100	0.004	30	30	6
9100-1125	DIN875/00	200x130	0.004	33	33	7

90°BEVELED EDGE SQUARE-BASIC VERSION



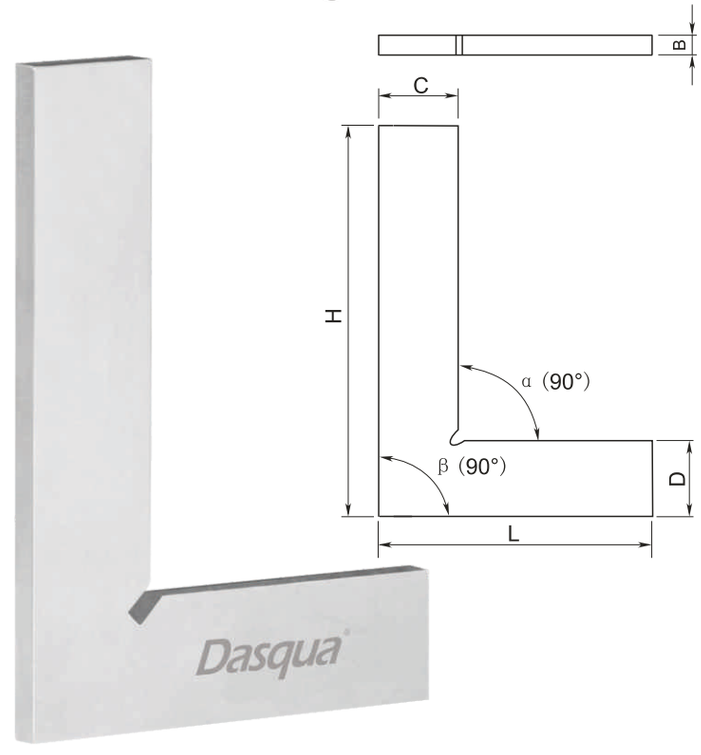
- Made of hardened stainless steel
- Strictly made in accordance with DIN875
- Beveled edges can be used for inside and outside measurement
- Measuring surfaces are precision ground and lapped

Unit:mm

Code	Size	Angular Deviation	C	D	B	Grade
9110-0005	50*40mm	0.006	13	13	4	0
9110-0010	75*50mm	0.007	15	15	4	0
9110-0015	100*70mm	0.007	20	20	5	0
9110-0020	150*100mm	0.008	30	30	6	0
9110-0025	200*130mm	0.009	33	33	7	0
9110-0030	250*165mm	0.01	35	35	7	0
9110-0035	300*200mm	0.011	40	40	8	0
9100-4402	25*20mm	0.003	4	6	3.5	00
9100-4404	40*28mm	0.003	4	6	3.5	00
9100-4405	50*40mm	0.003	13	13	4	00
9100-4410	75*50mm	0.003	15	15	4	00
9100-4415	100*70mm	0.003	20	20	5	00
9100-4420	150*100mm	0.004	30	30	5	00
9100-4425	200*130mm	0.004	33	33	7	00
9100-4430	250*165mm	0.005	35	35	7	00
9100-4435	300*200mm	0.005	40	40	8	00

90°FLAT EDGE SQUARE

DIN 875

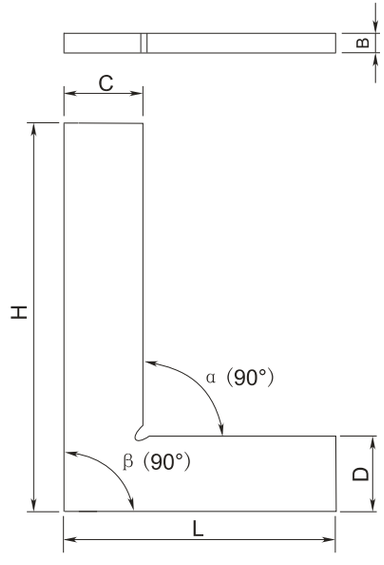


- Used for checking the straightness,parallelism and perpendicularity
- Strictly made in accordance with DIN875
- Made of hardened stainless steel
- Satin chrome finish for glare-free easy reading
- Measuring surfaces are precision ground and lapped

Unit:mm

Code	Standard	Size(**HxL**)	Angle Tolerance	C	D	B
9315-1105	DIN875/0	50x40	0.006	15	15	4
9315-1110	DIN875/0	75x50	0.007	15	15	4
9315-1115	DIN875/0	100x70	0.007	20	20	5
9315-1120	DIN875/0	150x100	0.008	30	30	6
9315-1125	DIN875/0	200x130	0.009	30	30	7
9315-1126	DIN875/0	250x165	0.009	35	35	7
9315-1130	DIN875/0	300x200	0.01	40	40	7

90°FLAT EDGE SQUARE-BASIC VERSION

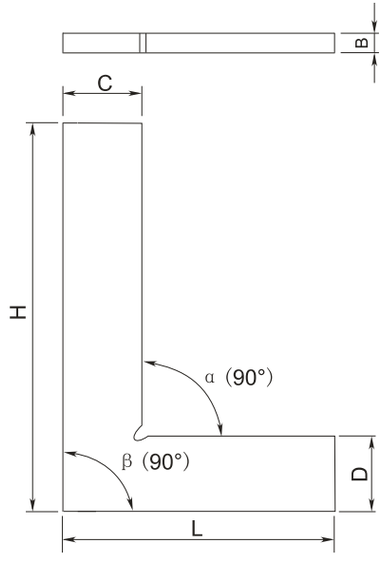


- Free easy reading
- Satin chrome finish for glare
- Strictly made in accordance with DiN875
- Made of hardened stainless steel
- Used for checking the straightness, parallelism and perpendicularity
- Measuring surfaces are precision ground and lapped

Unit:mm

Code	Size	Angular Deviation	C	D	B	Grade
9310-4105	50*40mm	0.006	15	13	4	0
9310-4110	75*50mm	0.007	15	15	4	0
9310-4115	100*70mm	0.007	20	20	5	0
9310-4120	150*100mm	0.008	30	30	6	0
9310-4125	200*130mm	0.009	33	33	7	0
9310-4126	250*165mm	0.01	35	35	7	0
9310-4130	300*200mm	0.011	40	40	8	0
9310-4150	1000*500mm	0.05				0

90° EDGE SQUARE BASIC VERSION



- Free easy reading
- Satin chrome finish for glare
- Strictly made in accordance with DiN875
- Made of hardened stainless steel
- Used for checking the straightness, parallelism and perpendicularity
- Measuring surfaces are precision ground and lapped

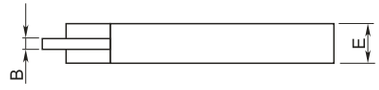
Unit:mm

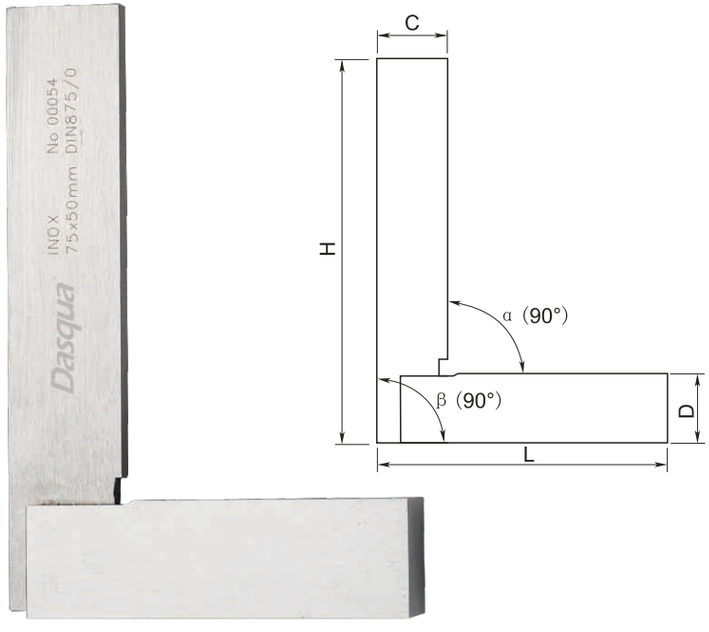
Code	Size	Angular Deviation	C	D	B	Grade
9312-0005	1-3/8"x1"	24	12	12	5	2
9312-0010	2-3/8"x1-3/8"	27	12	12	5	2
9312-0015	3"x2"	28	15	15	5	2
9312-0020	4"X3"	31	20	20	5	2
9312-0025	5"x3"	33	20	20	5	2
9312-0030	6"x4"	35	25	25	5	2
9312-0035	8"x5"	40	30	30	6	2
9312-0040	9"X5-1/2"	43	30	30	6	2
9312-0045	10-1/2"x5-3/8"	47	35	35	7	2
9312-0050	12"X7"	51	40	40	8	2
9312-0055	14"x6"	56	40	40	8	2
9312-0060	18"X10"	66	40	40	8	2
9312-0065	24"X12"	81	50	50	10	2

90°FLAT EDGE SQUARE

WITH HEAVY BASE

DIN 875



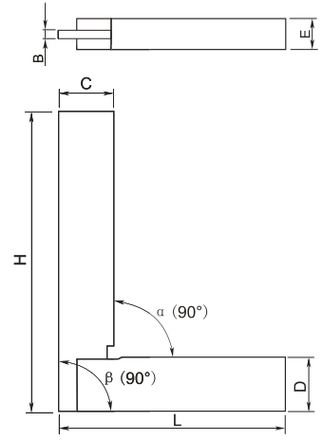


- Precision ground base for measuring and checking the flatness error
- Used for checking the straightness,parallelism and perpendicularity
- Strictly made in accordance with DIN875
- Made of hardened stainless steel
- Satin chrome finish for glare-free easy reading
- Measuring surfaces are precision ground and lapped

Unit:mm

Code	Standard	Size(**HxL**)	Angle Tolerance	C	D	B	E
9212-1104	DIN875/0	50x40	0.006	12	12	2.5	10
9212-1108	DIN875/0	75x50	0.007	14	14	3	10
9212-1112	DIN875/0	100x70	0.007	18	18	3	12
9212-1116	DIN875/0	150x100	0.008	22	22	4	12
9212-1118	DIN875/0	200x130	0.009	26	26	4	14

GRADE 2 INCH-90°FLAT EDGE SQUARE-BASIC VERSION



- Strictly made in accordance with DIN875
- Made of hardened stainless steel
- Satin chrome finish for glare-free easy reading
- Precision ground base for measuring and checking the flatness error
- Precision ground base for measuring and checking the flatness error
- Used for checking the straightness, parallelism and perpendicularity
- Measuring surfaces are precision ground and lapped

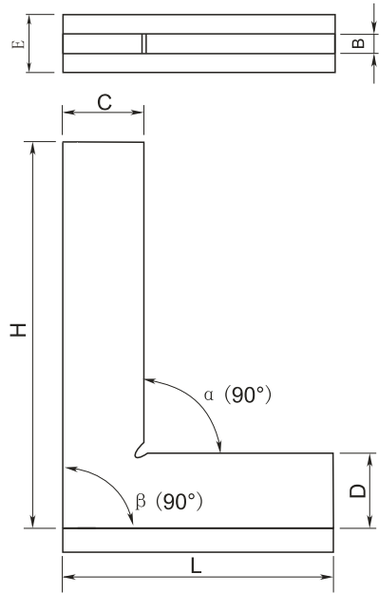
Unit:mm

Code	Size	Angular Deviation	C	D	B	E	Grade
9210-4104	50*40mm	0.006	12	12	2.5	10	0
9210-4108	75*50mm	0.007	14	14	3	10	0
9210-4112	100*70mm	0.007	18	18	3	12	0
9210-4116	150*100mm	0.008	22	22	4	12	0
9210-4118	200*130mm	0.009	26	26	4	14	0
9210-4170	250*165mm	0.01	30	30	5	14	0
9210-4175	300*200mm	0.011	34	34	5	16	0
9212-2005	50*40mm	0.012	12	12	2.5	10	1
9212-2010	75*50mm	0.014	14	14	3	10	1
9212-2015	100*70mm	0.015	18	18	3	12	1
9212-2020	150*100mm	0.018	22	22	4	12	1
9212-2025	200*130mm	0.02	26	26	4	14	1
9212-2030	250*160mm	0.023	30	30	5	14	1
9212-2035	300*200mm	0.025	34	34	5	16	1

90° FLAT EDGE SQUARE

WITH WIDE BASE

DIN 875



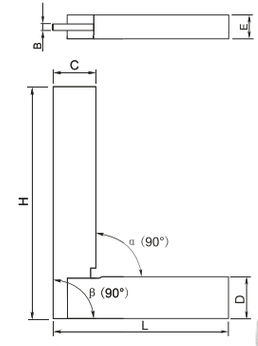
- Precision ground base for measuring and checking the flatness error
- Used for checking the straightness,parallelism and perpendicularity
- Strictly made in accordance with DIN875
- Made of hardened stainless steel
- Satin chrome finish for glare-free easy reading
- Measuring surfaces are precision ground and lapped

Unit:mm

Code	Standard	Size(HxL)	Angle Tolerance	C	D	B	E
9212-1105	DIN875/0	50x40	0.006	15	15	4	15
9212-1110	DIN875/0	75x50	0.007	15	15	4	15
9212-1115	DIN875/0	100x70	0.007	20	20	5	20
9212-1120	DIN875/0	150x100	0.007	30	30	6	30
9212-1125	DIN875/0	200x130	0.009	30	30	7	30
9211-1105	DIN875/1	50x40	0.012	15	15	4	15
9211-1110	DIN875/1	75x50	0.014	15	15	4	15
9211-1115	DIN875/1	100x70	0.015	20	20	5	20
9211-1120	DIN875/1	150x100	0.018	30	30	6	30
9211-1125	DIN875/1	200x130	0.020	30	30	7	30

90°FLAT EDGE SQUARE

WITH WIDE BASE-BASIC VERSION



- Measuring surfaces are precision ground and lapped
- Precision ground base for measuring and checking the flatness error
- Used for checking the straightness, parallelism and perpendicularity
- Made of hardened stainless steel
- Satin chrome finish for glare-free easy reading
- Strictly made in accordance with DIN875

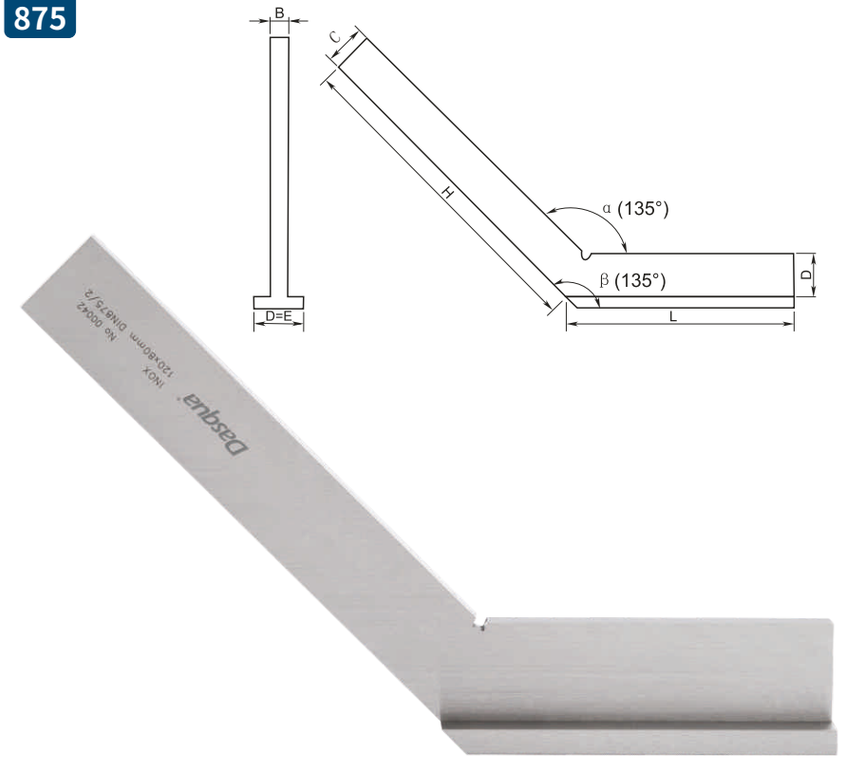
Unit:mm

Code	Size	Angular Deviation	C	D	B	E	Grade
9210-4105	50*40mm	0.006	15	15	4	15	0
9210-4110	75*50mm	0.007	15	15	4	15	0
9210-4115	100*70mm	0.007	20	20	5	20	0
9210-4120	150*100mm	0.008	30	30	6	30	0
9210-4125	200*130mm	0.009	30	30	7	30	0
9210-4130	250*165mm	0.01	35	35	7	35	0
9210-4135	300*200mm	0.011	40	40	8	40	0
9211-1105	50*40mm,DIN875/1	0.012	15	15	4	15	1
9211-1110	75*50mm,DIN875/1	0.014	15	15	4	15	1
9211-1115	100*70mm,DIN875/1	0.015	20	20	5	20	1
9211-1120	150*100mm,DIN875/1	0.018	30	30	6	30	1
9211-1125	200*130mm,DIN875/1	0.02	30	30	7	30	1
9211-1130	250*165mm,DIN875/1	0.023	35	35	7	35	1
9211-1134	300*180mm,DIN875/1	0.025	35	35	7	35	1
9211-1135	300*200mm,DIN875/1	0.025	40	40	8	40	1
9211-1139	400*200mm,DIN875/1	0.03	35	35	7	35	1
9211-1140	400*265mm,DIN875/1	0.03	40	40	8	40	1
9211-1145	500*330mm,DIN875/1	0.035	40	40	9	40	1
9211-1150	750*375mm,DIN875/1	0.048	45	45	9	45	1
9211-1155	1000*500mm,DIN875/1	0.06	50	50	11	50	1
9211-6340	630*400mm,DIN875/1	0.042	40	40	10	40	1

135° SQUARE

WITH WIDE BASE

DIN 875



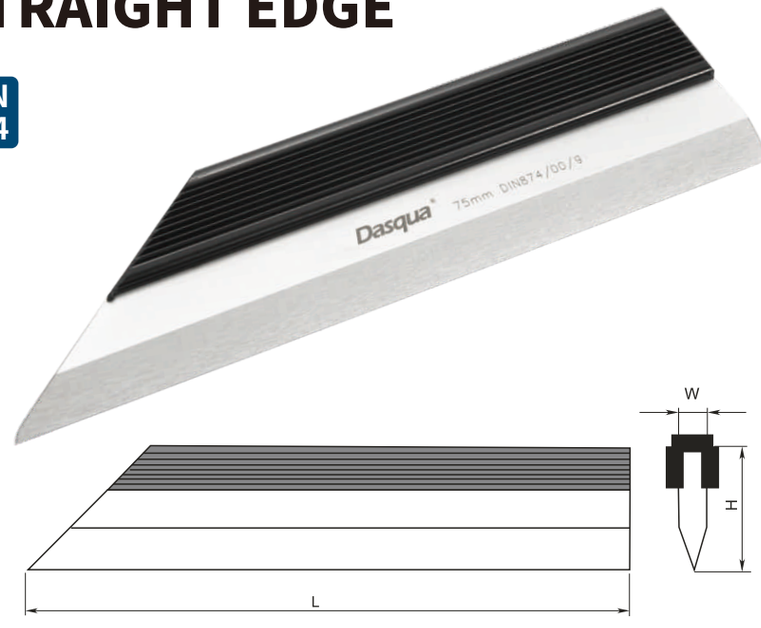
- Precision ground base for measuring and checking the flatness error
- Strictly made in accordance with DIN875
- Made of hardened stainless steel
- Satin chrome finish for glare-free easy reading
- Measuring surfaces are precision ground and lapped

Unit:mm

Code	Standard	Size(HxL)	Angle Tolerance	C	D	B
9222-3102	DIN875/2	120x80	0.030	20	20	5
9222-3104	DIN875/2	150x100	0.035	20	20	5
9222-3106	DIN875/2	200x130	0.040	30	30	7

STAINLESS STEEL STRAIGHT EDGE

DIN 874



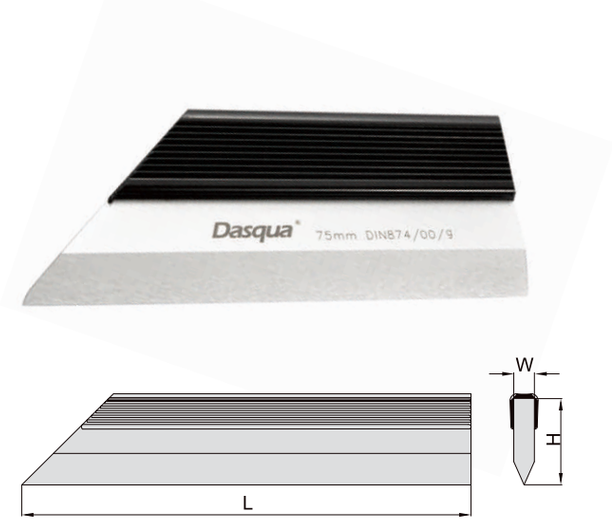
- Use with feeler gauge or light gap method to measure the straightness and parallelism
- Strictly made in accordance with DIN874
- With one beveled edge
- Made of hardened stainless steel
- Satin chrome finish for glare-free easy reading
- Measuring surfaces are precision ground and lapped

Unit:mm

Code	Standard	Size(L)	Straightness	H	W
9131-2105	DIN874/00	75	0.0015	25	5
9131-2110	DIN874/00	100	0.0017	25	5
9131-2115	DIN874/00	125	0.0018	30	6
9131-2120	DIN874/00	150	0.0020	30	6
9131-2125	DIN874/00	200	0.0023	30	6
9131-2130	DIN874/00	250	0.003	40	8
9131-2135	DIN874/00	300	0.003	40	8
9131-2130	DIN874/00	400	0.0035	50	10
9131-2150	DIN874/00	500	0.004	50	10

F

STAINLESS STEEL STRAIGHT EDGE-BASIC VERSION



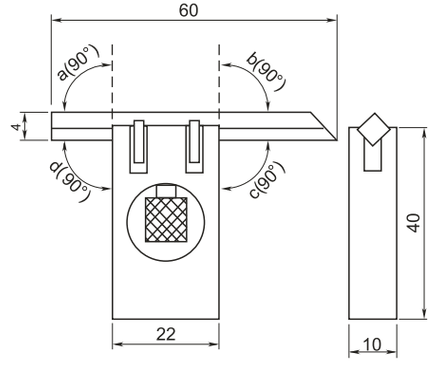
- Satin chrome finish for glare-free easy reading
- Strictly made in accordance with DIN874
- With one beveled edge
- Made of hardened stainless steel
- Measuring surfaces are precision ground and lapped
- Use with feeler gauge or light gap method to measure the straightness and parallelism

Unit:mm

Code	Size(L)	Straightness(mm)	H	W	Grade
9130-4105	75mm	0.0015	20	5	00
9130-4110	100mm	0.0017	20	5	00
9130-4115	125mm	0.0018	20	5	00
9130-4120	150mm	0.0020	25	6	00
9130-4125	200mm	0.0023	25	6	00
9130-4130	250mm	0.0025	30	6	00
9130-4135	300mm	0.0030	35	8	00
9130-4140	400mm	0.0035	35	8	00
9130-4145	500mm	0.0040	42	10	00
9130-4150	600mm	0.0043	45	10	00

ADJUSTABLE BEVEL SQUARE

DIN 875



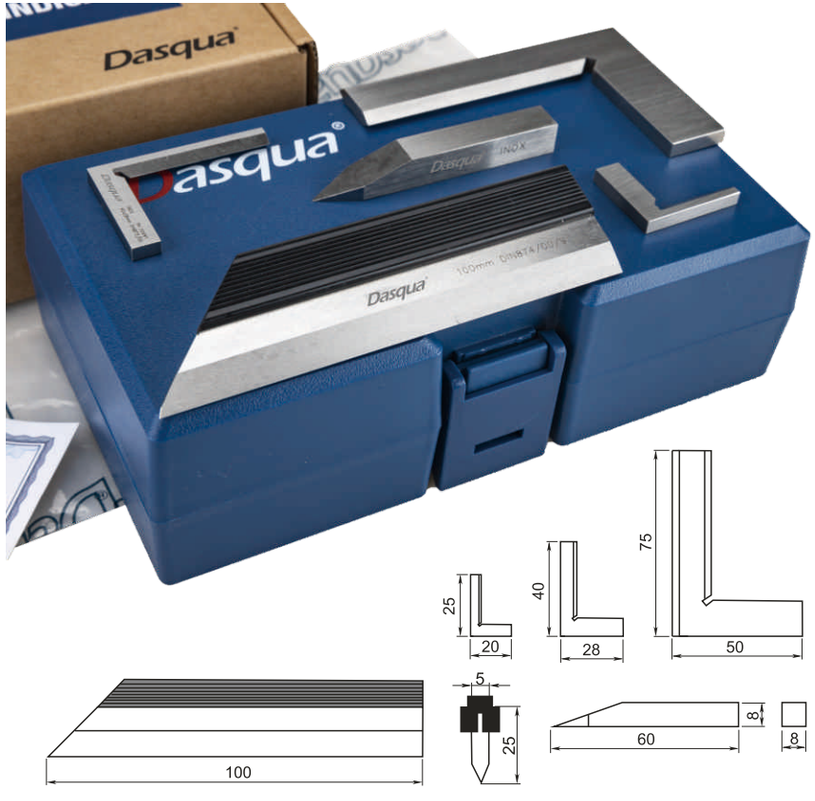
- Use with light gap method for inspection work
- Used to measure the short or small parts, chamfers and others by moving the straight edge
- High precision square, smooth straight edge which can be locked by the clamping screw at the desired position
- Measuring surfaces are precision ground and lapped
- Made of hardened stainless steel

Unit:mm

Code	Standard	Foot Size	Ruler Length	Ruler Cross Section
9161-1105	DIN875/0	40x22x10	60	4x4

5 PCS MECHANIST SQUARE SET

DIN 874 DIN 875

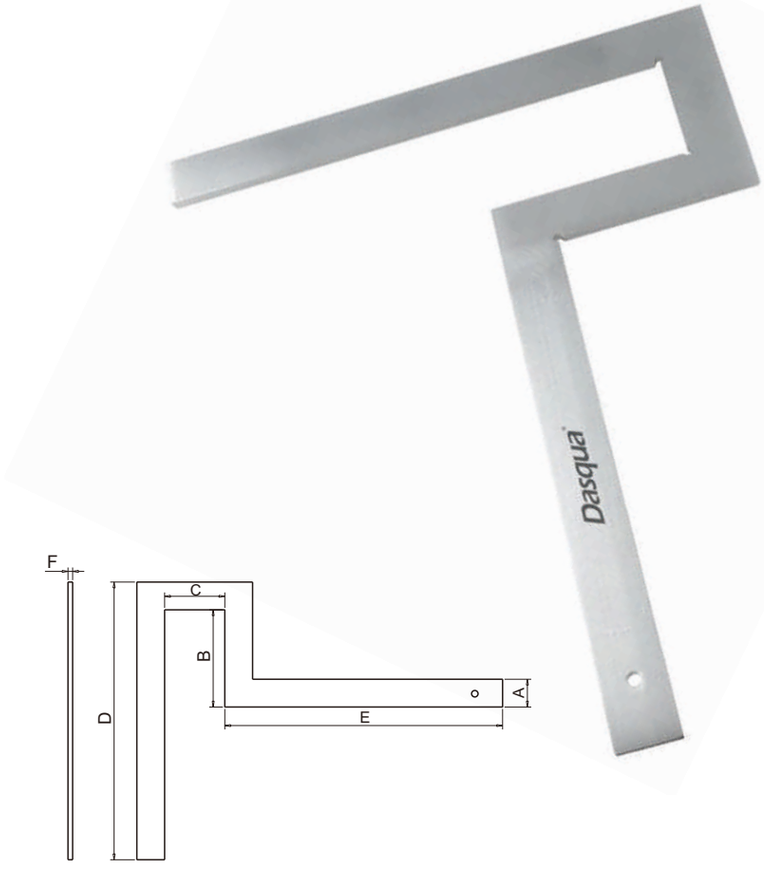


- Measuring surfaces are precision ground and lapped
- Satin chrome finish for glare-free easy reading
- Stainless steel beveled straight edge 100mm grade 00 (DIN 874)
- Stainless steel beveled edge squares 75x50mm grade 00 (DIN 875)
- Stainless steel beveled edge squares 40x28mm and 25x20 grade 00
- Gauge block scriber point 60x8x8mm grade 00

Unit:mm

Code
9383-2205

FLANGE SQUARE



- Galvanized surface of steel material
- The vertical plane and the opening plane are precision machined
- Precision calibration right angle ruler for fitter special flange

Unit:mm

Code	Range	A	B	C	D	E	F
2605-1005	300x300	30	105	65	300	300	5/6
2605-1010	400x400	30	115	65	400	400	5/6
2605-1015	500x500	30	125	70	500	500	5/6
2605-1020	600x600	30	125	70	600	600	5/6
2605-1025	800x800	30	125	100	800	800	5/6
2605-1030	1000x1000	30	158	138	1000	1000	5/6

MEASURING BEVEL

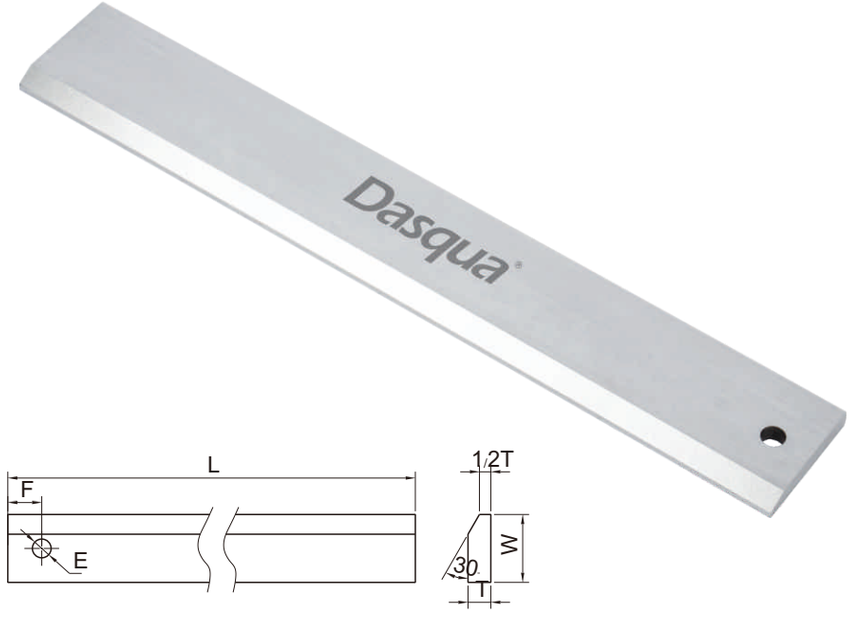
- Two movable blades can be locked by the wing nut
- Measuring surfaces are precision ground and lapped
- Used to duplicate any angle
- Made of hardened stainless steel

Unit:mm

Code	Size
9251-1105	200
9251-1110	250
9251-1115	300
9251-1120	400
9251-1125	500

PRECISION STRAIGHT EDGE

WITH BEVELED EDGE

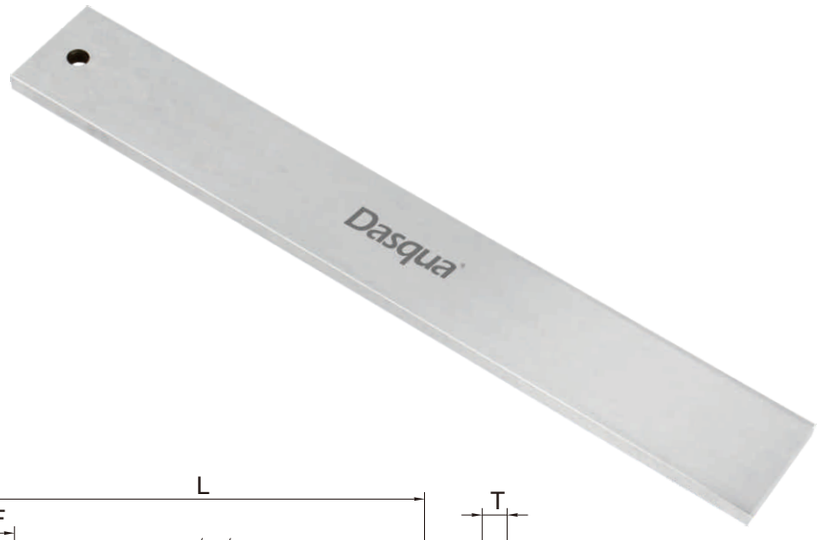


- Made of high strength alloy steel, hardening; aging treatment after all measurement precision surface grinding and polishing processing.
- It is unparalleled for drawing or marking lines and checking surface straightness.
- Its thickness and design allow it to maintain shape and precision yet remain easy to carry and operate

Unit:mm

Code	Grade	L	W	T	F	E	Two face straightness	Two side straightness
9333-0020	A	305	41	6.35	12.7	φ8	0.005	0.05
9333-0025	A	610	51	7.94	22.3	φ8	0.006	0.06
9333-0030	A	914	64	9.53	25.4	φ9.5	0.007	0.07
9333-0035	B	305	32	4.76	12.7	φ8	0.009	0.07
9333-0040	B	610	41	6.35	22.3	φ8	0.012	0.08
9333-0045	B	914	51	7.94	25.4	φ9.5	0.014	0.09

PRECISION STRAIGHT EDGE



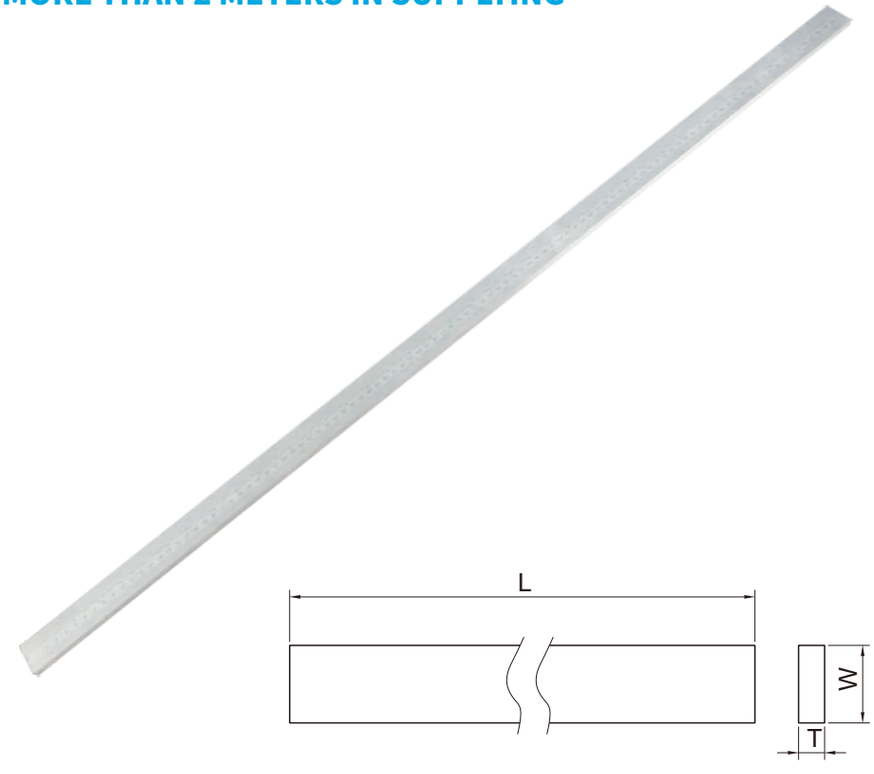
- Made of high strength alloy steel, hardening; aging treatment after all measurement precision surface grinding and polishing processing.
- It is unparalleled for drawing or marking lines and checking surface straightness.
- Its thickness and design allow it to maintain shape and precision yet remain easy to carry and operate

Unit:mm

Code	Grade	L	W	T	F	E	Two face straightness	Two side straightness
9333-0050	A	305	41	6.35	12.7	φ8	0.005	0.05
9333-0055	A	610	51	7.94	22.3	φ8	0.006	0.06
9333-0060	A	914	64	9.53	25.4	φ9.5	0.007	0.07
9333-0065	B	305	32	4.76	12.7	φ8	0.009	0.07
9333-0070	B	610	41	6.35	22.3	φ8	0.012	0.08
9333-0075	B	914	51	7.94	25.4	φ9.5	0.014	0.09

FLAT STRAIGHT EDGES

MORE THAN 2 METERS IN SUPPLYING

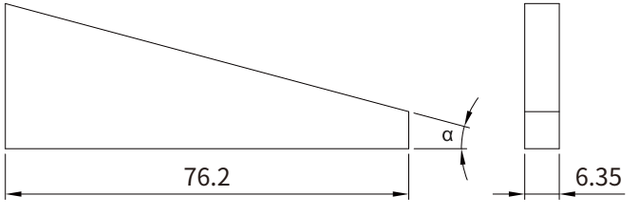


- Engraved surface dark chrome plated
- The material of 500mm-1000mm specifications is 4Cr13 quenching hardness 42-48HRC
- The material of 1500mm-2000mm specifications is 2Cr13 hardness 32-40HRC

Unit:mm

Code	Range	Graduation	L	W	T	Straightness	Parallelism
9333-3105-A	500	1mm*1/64"	510	24	5.5	0.07	0.05
9333-3110-A	1020	1mm*1/64"	1010	32	8	0.05	0.05
9333-3115-A	1530	1mm*1/64"	1510	42	12.5	0.15	0.1
9333-3120-A	2040	1mm*1/64"	2010	42	12.5	0.2	0.15

ANGLE BLOCK SET

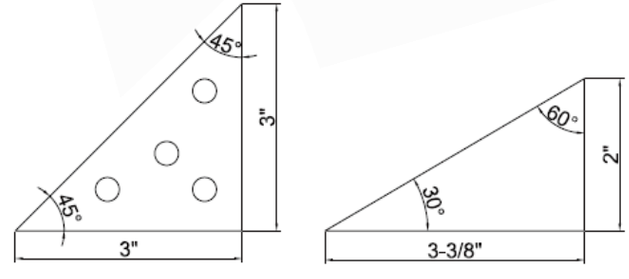


- For fast, easy and accurate determination of angular dimensions
- Also can be stacked to create other angles
- Hardened and relieved special steel, high grade of abrasion resistance
- Measuring faces precision ground and lapped

Unit:mm

Code	Amount(pcs)	Angle(α)	Angular Precision
9411-1205	10	1°, 2°, 3° ,4° ,5°, 10°, 15°, 20° ,25°, 30°	±20"
9412-4105	12	1/4°, 1/2°, 1° ,2°, 3°, 4° ,5° ,10°, 15° ,20°, 25° ,30°	±20"

2 PCS/SET SOLID ANGLE PLATES & SETS

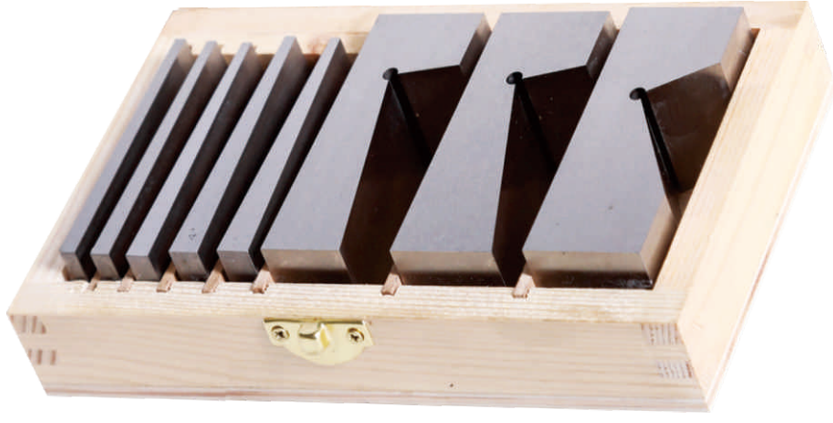


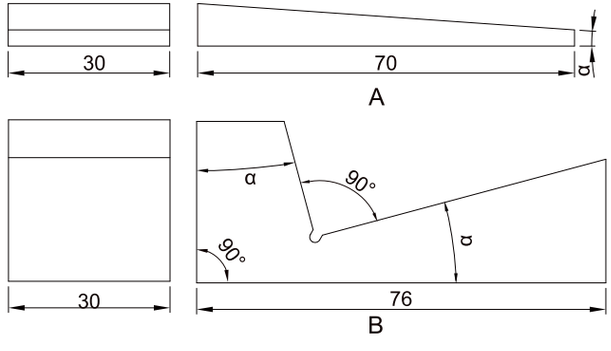
- Tool steel
- Hardness HRC60±2
- Used for angle setting and detection of machining

Unit:mm

Code	Size	Angle	Angle accuracy
9412-4110	15°、30°、45°、60°、90°	45°/45°/90°/30°/60°/90°	±9°

8PCS/SET UNIVERSAL ANGLE BLOCK



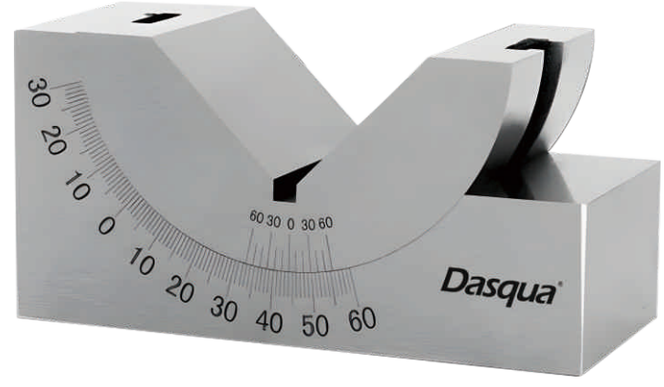


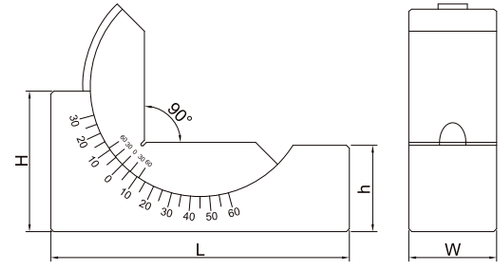
- Tool steel
- Hardness HRC45-50
- Used for angle setting and detection in machining

Unit:mm

Code	Size	Angle	Angle accuracy
9412-4115	2-3/4"x1-3/16"、3"x1-3/16"	1°、2°、3°、4°、5°、10°、15°、30°	±1°

ADJUSTABLE ANGLE BLOCK





- Tool steel
- For angle setting and detection in machining

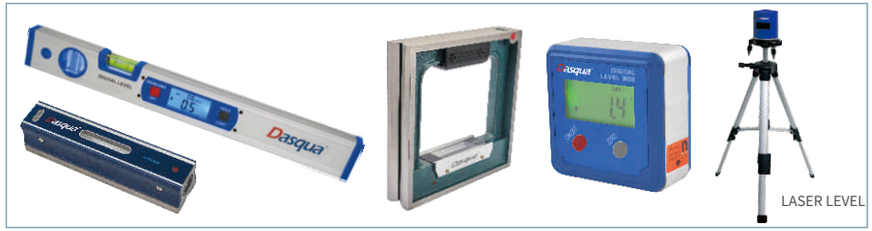
Unit:mm

Code	Size	Adjustable Angle	Angle Resolution	Angle Accuracy
8905-0005	25*32*75mm	30°-0°-60°	10"	10"
8905-0010	30*48*102mm	30°-0°-60°	10"	10"
8905-0015	102*46*49mm	30°-0°-60°	10"	10"

LEVEL MEASURING

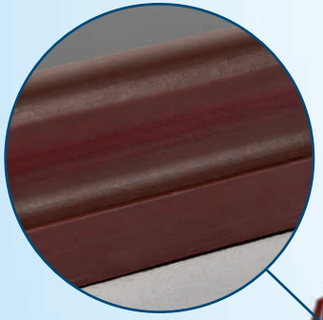
BORN IN ITALY, RAISED BY THE WORLD

02-14 LEVEL MEASURING



MASTER PRECISION LEVEL WITH WOODEN HANDLE

DIN 877



- Used to measure the angle of inclination, flatness and straightness of the machine guide rails, horizontal and vertical position of equipment setup in machinery industry and instrument manufacturing

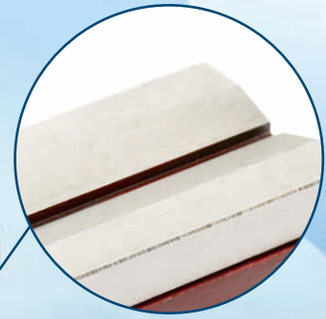
- With more artistic wooden handle rather than normal plastic handle
- Strictly made in accordance with DIN877
- V-grooved base for ease of mount on cylindrical parts

Unit:mm

Code	Range	Accuracy
8301-1005-B	150	0.02mm/m
8301-1010-B	200	0.02mm/m
8301-1015-B	250	0.02mm/m
8301-1020-B	300	0.02mm/m

- The glass bubble is of great sensitivity and high transparency,easy for operators to read.

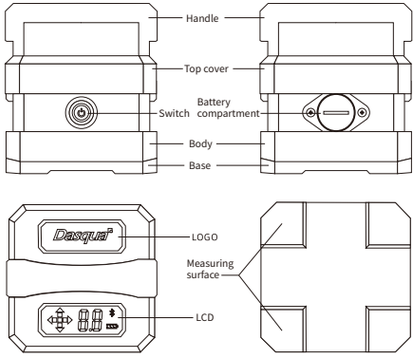
- Screw to adjust bubble



- Special lapped,hardened and polished steel body with flawless surfaces Flatness at 0.003mm

HIGH PRECISION LEVEL

Battery + CR2032

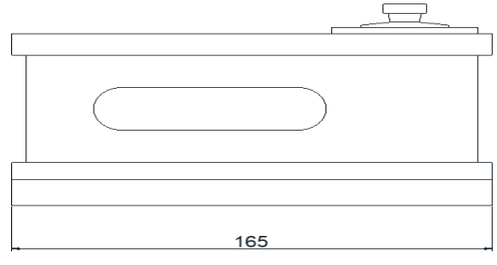


- The Dasqua ultra-high precision leveling device allows operators to save over 70% of the time spent on machine leveling
- The measuring end and the handheld terminal are connected wirelessly, and the measuring data are directly displayed on the handheld terminal so that the horizontal state of the machine can be viewed anytime.
- This completely solves the problem that operators have to repeatedly check the bubble of the traditional bar-type level instrument
- The unique network leveling function can help with improving leveling process to be more accurate and faster when completing the leveling work on large high-precision machine tools

Unit:mm

Code	Resolution	Repetability
8300-0025 (with Portable Display)	0.01	0.02mm/m
8300-0030 (without Portable Display)	0.01	0.02mm/m
8300-0035 (Portable Display)	0.01	0.02mm/m

OPTICAL COMPOSITE IMAGE LEVEL



- Used to detect the inclination of planes and cylindrical surfaces relative to the horizontal plane, as well as the flatness, straightness and correctness of the installation position of guide rails or bases
- With V-groove, suitable for cylindrical surfaces

Unit:mm

Code	Size	Measuring Range	Graduation (mm/m)
8300-0055	60kg	0-10mm	0.01

PRECISION FRAME LEVEL

WITH WOODEN HANDLE

DIN 877

- Used to measure the angle of inclination, flatness and straightness of the machine machine guide rails, horizontal position and vertical position of equipment setup in machinery industry and instrument manufacturing
- With more artistic wooden handle rather than normal plastic handle
- The glass bubble is of great sensitivity and high transparency, easy for operators to read
- The bubble is adjustable
- Strictly made in accordance with DIN877
- Special lapped, hardened and polished steel body with no blister on the surface
- V-grooved base for ease of mount on cylindrical parts

Unit:mm

Code	Range	Accuracy
8301-1003-B	150 x 150	0.02mm/m
8301-1006-B	200 x 200	0.02mm/m
8301-1009-B	250 x 250	0.02mm/m
8301-1013-B	300 x 300	0.02mm/m

PRECISION LEVEL

DIN 877

BEST SELLER

- Strictly made in accordance with DIN877
- Used to measure the straightness and flatness of machine guide rails
- Robust cast iron model, precision ground measuring surface ensures high accuracy
- Base with V-groove to allow use on round bars and shafts, cylindrical surfaces
- With main vial and cross test vial

Unit:mm

Code	Range	Accuracy
8301-0005-A	150	0.05mm/m
8301-0010-A	200	0.05mm/m
8301-0015-A	250	0.05mm/m
8301-0020-A	300	0.05mm/m
8301-1005-A	150	0.02mm/m
8301-1010-A	200	0.02mm/m
8301-1015-A	250	0.02mm/m
8301-1020-A	300	0.02mm/m
8302-0005-A	6"	0.0005''/10''
8302-0010-A	8"	0.0005"/10''
8302-0015-A	10"	0.0005"
8302-0020-A	12"	0.0005"

PRECISION FRAME LEVEL

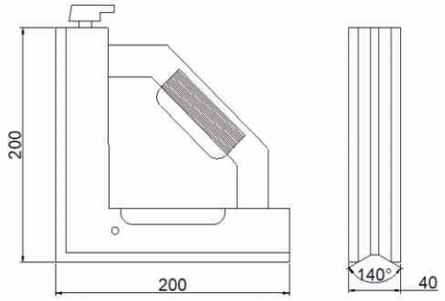
DIN 877

- Strictly made in accordance with DIN877
- Used to measure the straightness and flatness of machine guide rails
- Robust cast iron model, precision ground measuring surface ensures high accuracy
- Base with V-groove to allow use on round bars and shafts

Unit:mm

Code	Range	Accuracy
8301-0003-A	150 x 150	0.05mm/m
8301-0006-A	200 x 200	0.05mm/m
8301-0009-A	250 x 250	0.05mm/m
8301-0013-A	300 x 300	0.05mm/m
8301-1003-A	150 x 150	0.02mm/m
8301-1006-A	200 x 200	0.02mm/m
8301-1009-A	250 x 250	0.02mm/m
8301-1013-A	300 x 300	0.02mm/m
8302-0003-A	6" x 6"	0.0005"/10"
8302-0006-A	8" x 8"	0.0005"/10"
8302-0009-A	10" x 10"	0.0005"/10"
8302-0013-A	12" x 12"	0.0005"/10"

MAGNETIC PRECISION LEVEL



- Used to detect the straightness of guide rails of various machine tools and other
- equipment, the correctness of horizontal and vertical positions of installation, etc.
- With V-groove, suitable for cylindrical surfaces

Unit:mm

Code	Size	Graduation (mm/m)	Magnetic force direction
8300-0010	100×100mm	0.02	Lateral magnetic force
8300-0015	100×100mm	0.02	Bidirectional magnetic force
8300-0020	200×200mm	0.02	/

HIGH PRECISION DIGITAL LEVEL

Sensitivity: ±0.01mm/m
Resolution: 0.001°

- Two modes:
  Abs and R for option
- Multi-data recording

- Metal button, water-proof

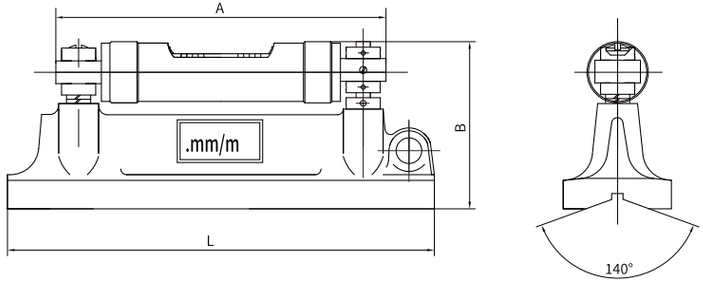
- Groove bottom design, ground and round level to measure both are applicative

- Customized professional aluminum box for well-protection

- One button for zero setting

- Rechargeable design for 3.7V batteries--2pcs

MASTER PRECISION LEVEL



- With transverse and longitudinal vials
- V-groove on bottom for shafts
- Supplied with adjust wrench

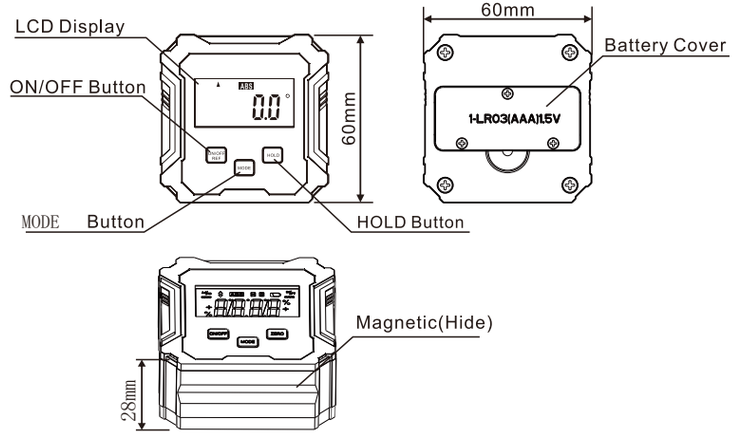
Unit:mm

Code	Size(L)	Sensitivity	A	B
8303-0005	150	0.3/m(=0.017°)	118	64
8303-0010	200	0.3/m(=0.017°)	137	73
8303-0015	300	0.3/m(=0.017°)	216	73

DIGITAL ANGLE GAUGE

Battery + 1xAAA

BEST SELLER



- Temperature drift testing ensures no influence on accuracy from Temperature changing, others will not do the testing
- Imported chip to ensure 0.2° accuracy
- Powerful built-in magnets on the base
- LCD Display with Backlight

Code	Range	Resolution	Power	Weight	Accuracy
8400-0020	4x90°	0.05°	1XAAA battrey	70g	0°-90°: ±0.1°, other: ±0.2°

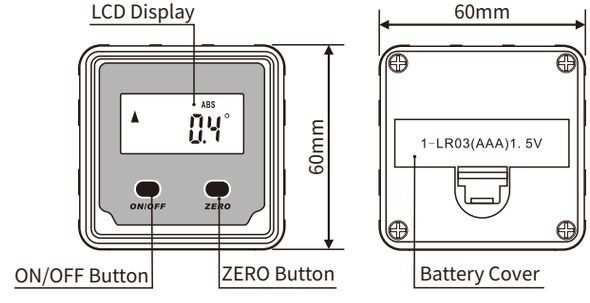
DIGITAL LEVEL BOX

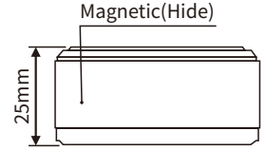
- Built-in magnetic base
- Green backlit screen, easy to read
- Thickened metal frame
- With automatic data conversion function, easy to read
- Choose from three-button model (with data retention), bubble model, V-shaped base model
- 3A battery

Unit:mm

Code	Resolution	Measuring Range	Dimension (mm)	NetWeight	Accuracy
8400-0070	1°	±180°	62.5*51.*32	70g	±0.1°

DIGITAL ANGLE GAUGE





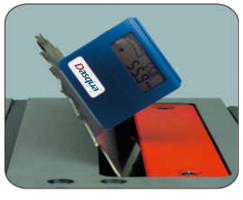
- Large easy-to-read backlight LCD display
- Absolute 0° measuring at level surface
- Measure relative bevel
- With permanent strong magnet on measuring faces
- CNC machined aluminum body

Unit:mm

Code	Range	Resolution	Accuracy
8400-0010	4x90°	0.1°	±0.2°

DIGITAL ANGLE GAUGE

WITH FLIP-OUT DISPLAY



- With flip-out tilting display
- Ultra-precise magnetic gauge sets the angle of saw blades,jointer fences,bandsaw tables and drill press tables
- Measures both Absolute level and relative bevel with reading that are always visible
- V-groove in base for round objects like pipe and drill bits
- Specifications:
  Range: +/- 180 degrees
  Reading: 0.1 degrees
  Accuracy: +/- 0.1 degrees
  Repeatability : +/- 0.1 degrees
  Size: 2.2" x 2.3" x 1.3"

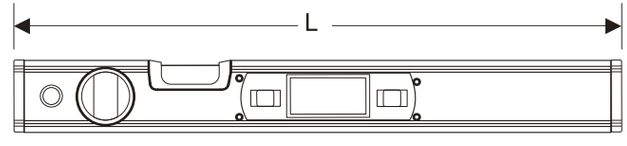
Unit:mm

Code	Measuring Range	Reading	Accuracy	Repeatability	Size
8400-0000	+/- 180 degrees	0.1 degrees	+/- 0.1 degrees	+/- 0.1 degrees	2.2" x 2.3" x 1.3"

DIGITAL LEVEL

Battery + 2xAAA

BORN IN ITALY BEST SELLER RAISED BY THE WORLD



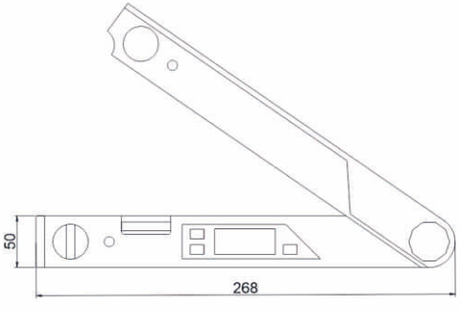
- Large easy-to-read backlight LCD display with hold function
- With horizontal and vertical vials
- Absolute level measuring, relative angle measuring, slope and angle conversion
- With embedded strong permanent magnet on measuring face
- CNC machined super flat edges

Unit:mm

Code	Magnet	Range	Resolution	L	Accuracy
8301-2640	NO	4x90°	0.1°	400	0.2°
8301-2645	YES	4x90°	0.1°	400	0.2°
8301-2655	YES	4x90°	0.1°	600	0.2°

DIGITAL PROTRACTOR (0 -360°)

Battery + 2xAAA



- Working temperature 0-50°C
- Easy to read on the full digital LCD display
- Tightening screws fix the measuring angle in any position
- Press the "HOLD" button to easily record data
- The V-groove design of the stainless steel measuring arm makes it easy to mark lines
- Made of anodized aluminum alloy material, the ruler body has high durability and reliability

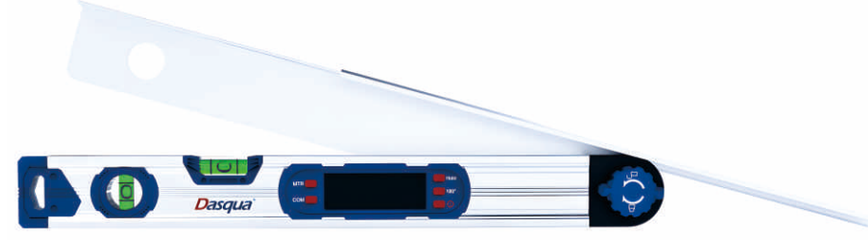
Unit:mm

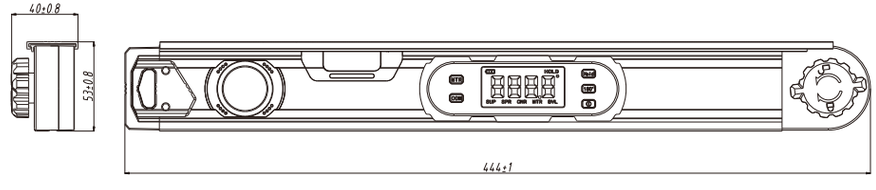
Code	Resolution	Size	Measuring Range	Accuracy	Net Weight
8301-2505	0.05°	268*50*25mm	0-360°	±0.15°	335g

DOUBLE CHIPS DIGITAL PROTRACTOR & LEVEL (0 -220°)

WITH MTR & COM FUNCTION

Battery + 2xAAA





HIGH ACCURACY 0.2°

- With two bubbles for more accurate
- With 400mm extension plate, can slide left and right
- With locking device, easy to transfer angles
- Multiple measurement modes to meet various needs

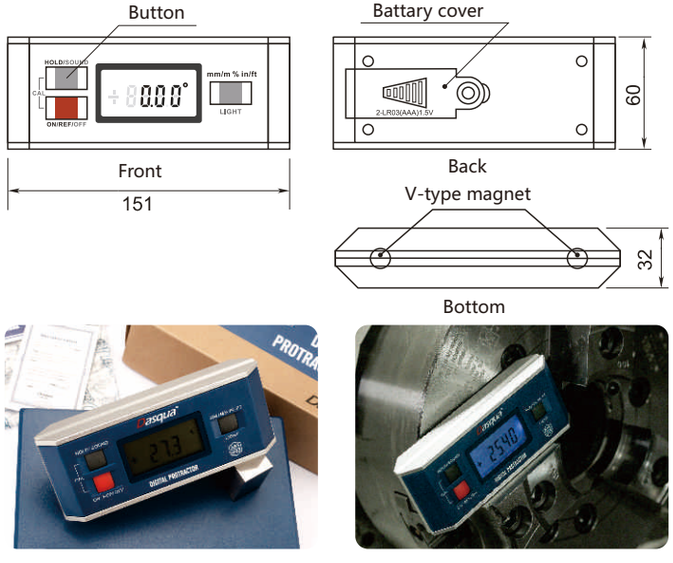
Unit:mm

Code	Resolution	Measuring Range	Length	Accuracy
8301-2510	0.1°	0-220°	425mm	±0.2°

DIGITAL PROTRACTOR

ABSOLUTE | IP65 COOLANT & FLUID RESISTANT

BEST SELLER



- Absolute function, zero setting is unnecessary when the battery is replaced
- Used as level and inclinometer to measure the included angle of non-continuous working surfaces
- V-groove base with powerful embedded magnets, which secures strong attachment to the measuring surfaces (including cylindrical surface)
- Backlight function enables it to use in the dim place
- IP65 dust-proof and water-proof

Unit:mm

Code	Range	Resolution	Accuracy
8400-0005	4 x 90°	0.05°	0°-90°:±0.05° Rest of angle:±0.15°

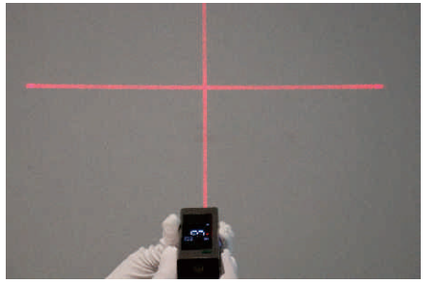
DIGITAL SLIDING T-BEVEL GAUGE & DIGITAL PROTRACTOR IN ONE

- 2 in l sliding digital T-bevel and angle finder
- Memory flips, hold and reverses angle functions
- 4 function control buttons
- Full LCD display
- Range: 0° to 360
- Measures, stores and transfers inside/outside angles
- Made of Stainless-steel

Unit:mm

Code	Range	Resolution	Accuracy	Blade
1801-2005	0-360°	0.05°	±0.3°	200mm

MINI LASER PROTRACTOR



- Two laser projections to meet various needs
- Automatically flip the reading to facilitate data viewing
- Two-sided ultra-wide color screen, high-definition display, effortless reading
- The shell is made of aluminum alloy, shockproof and dust proof
- Magnetic adsorption measuring surface, can be adsorbed on the workpiece to be
- measured for measurement
  Absolute zero point measurement based on the horizontal reference
- Lithium battery 3.7V

Unit:mm

Code	Resolution	Measuring Range	Dimension (mm)	Accuracy	NetWeight
8400-0035	0.1°	4*90°	119*35*20	±2.5mm/m(0.14°)	96g

POCKET SIZE MINI LASER LEVEL

- Laser wavelength: 625-670nm
- Max power output 5mw.
- Accuracy: ±1mm/M 90· ±0.05·
- Prower: 2×1.5v AAA batteries.
- The length is 7 inch
- Laser class: US class IIIA, EU class IIIR

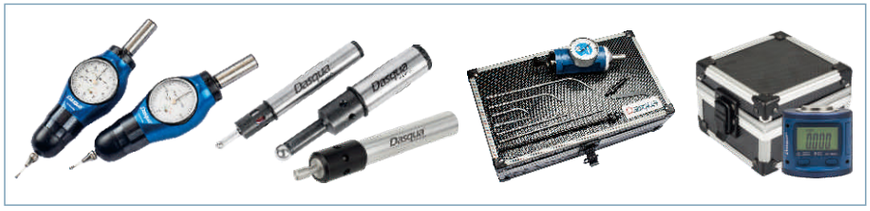
Unit:mm

Code
8300-0075

SETTING UP TOOLS

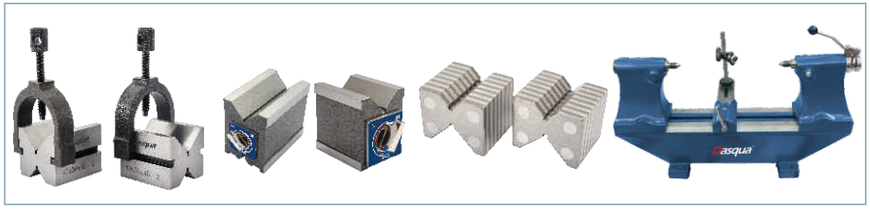
BORN IN ITALY, RAISED BY THE WORLD

02-10 MACHINE SETTING UP

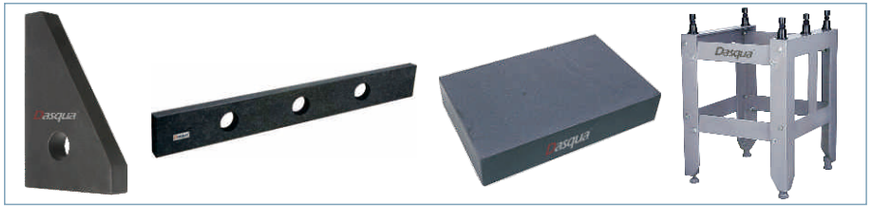


11-20 SETTING UP TOOLS

21-28 V-BLOCKS AND BENCH CENTER



29-32 GRANITE PLATE



3D TESTER

Dasqua Blu
MADE IN GERMANY

WATER PROOF

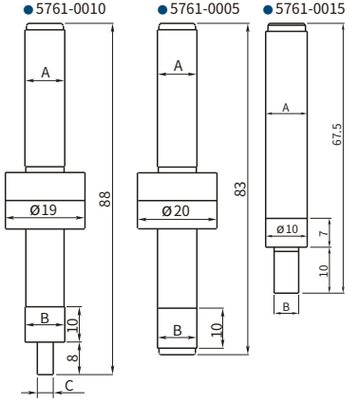
EASY ADJUSTMENT

ACCURACY: 0.01mm

CODE: 5711-0005

5711-0004: anvil for 3D tester

EDGE FINDER



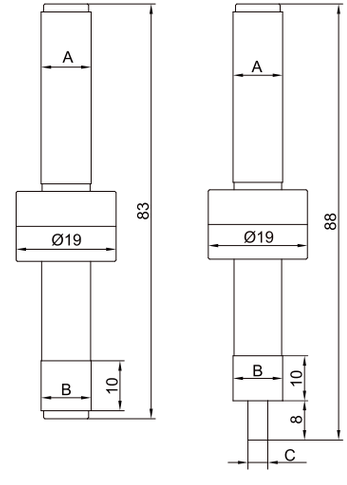
- Body and contact are made of tool steel, hardened and ground and lapped to close tolerances for diameter and concentricity
- For adjusting basic surfaces or edges
- Ideal for locating work surfaces easily, quickly and accurately
- Useful for identifying center line on jig boring, milling and engraving machines
- Rotational speed of spindle approx 400 - 600 rpm

Unit:mm

Code	Shank Diameter(**A**)	Contact Point(**B&C**)	Accuracy
5761-0005	φ10	φ10	0.005
5761-0010	φ10	φ10&φ4	0.005
5761-0015	φ10	φ6	0.008

PRECISION TITANIUM NON-MAGNETIC MECHANICAL EDGE FINDER

- 5761-0020
- 5761-0070

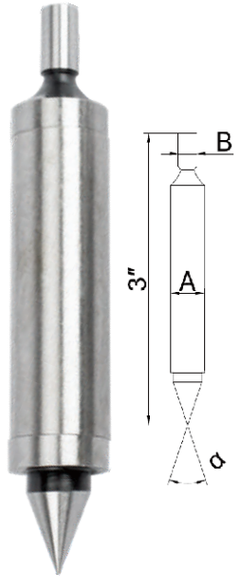


- Titanium coating wear-resisting non-magnetic
- Hardness HV2500
- Suitable for machine speed 400~600rpm

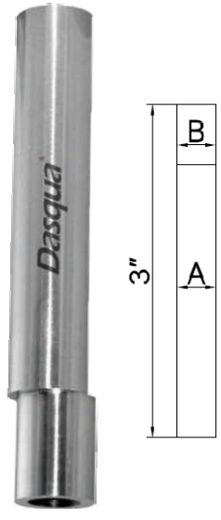
Unit:mm

Code	A	B	C	Graduation
5761-0020	ϕ10	ϕ10	/	0.003
5761-0070	ϕ10	ϕ10	4	0.003

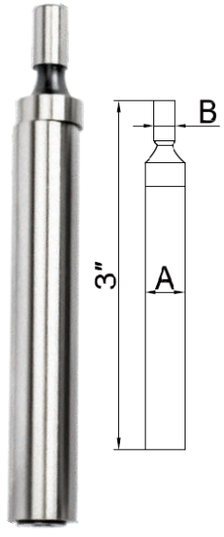
EDGE FINDER



- 5700-0005



- 5700-0015



- 5700-0025

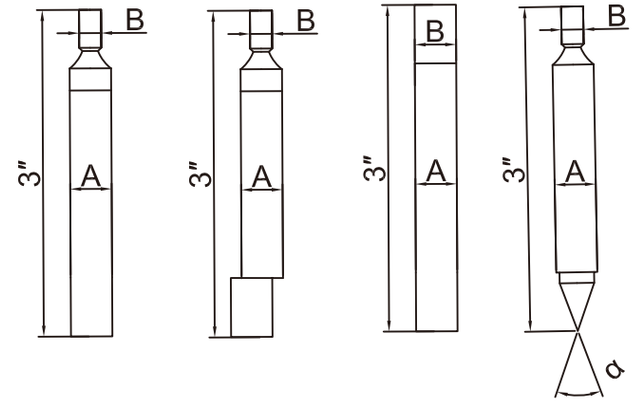
- Cylinder contact
- Edge finders are hardened, and ground
- Ideal for locating work surfaces easily, quickly and accurately
- Useful for identifying center line on jig boring, milling and engraving machines

Unit:mm

Code	A	B	α	Accurancy
5700-0005	ϕ1/2"	ϕ0.2"	42°	0.0002"
5700-0010	ϕ3/8"	ϕ0.2"	42°	0.0002"
5700-0015	ϕ1/2"	ϕ0.5"		0.0002"
5700-0020	ϕ10mm	ϕ10mm		0.005mm
5700-0025	ϕ3/8"	ϕ0.2"		0.0002"
5700-0030	ϕ1/2"	ϕ0.2"		0.0002"

4PC EDGE FINDER SET

5700-0025 5700-0070 5700-0015 5700-0005

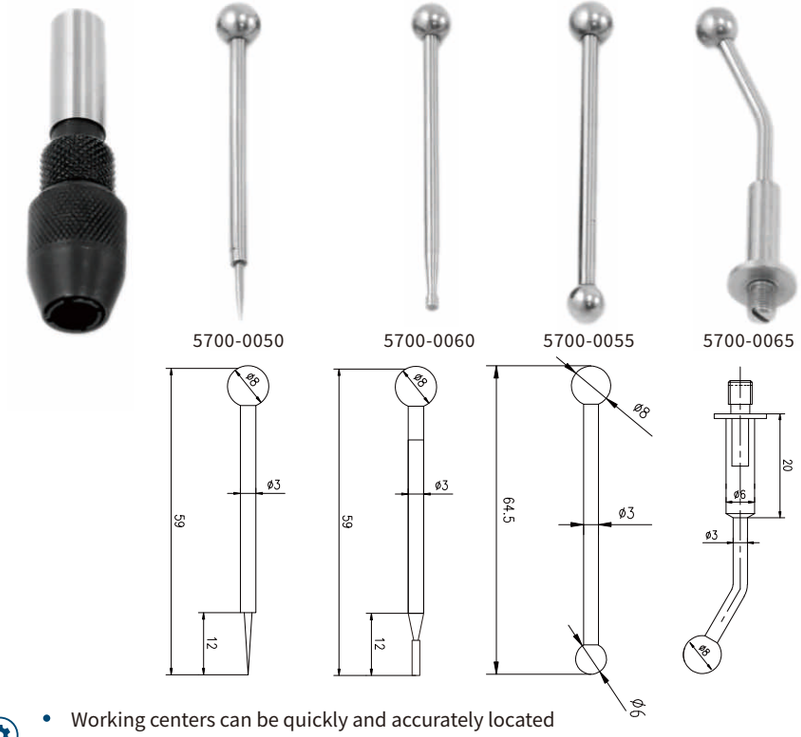


Unit:mm

Code	Range	A	B	α	Accuracy
5700-0035	5700-0005	∅1/2"	∅0.2"	42°	0.024mm
	5700-0015	∅1/2"	∅0.5"	/	0.028mm
	5700-0025	∅3/8"	∅0.2"	/	0.031mm
	5700-0070	∅1/2"	∅0.2-0.5"	/	0.034mm

H

WIGGLER / CENTER FINDER AND FOUR DIFFERENT ATTACHMENTS

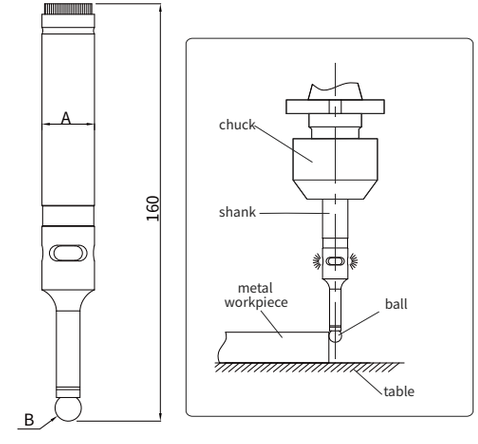


- Working centers can be quickly and accurately located
- Wiggler/Center Finder and four different attachments adapt to countless applications and are readily interchangeable. It is an essential tool for any machine shop
- Spring tension on the ball of the point permits guiding point to concentricity. Work can be brought into perfect alignment with the machine spindle
- 5700-0055: ball contact is useful in locating work by first bringing the contact
- 5700-0060: disc contact , which has a small disc at the end (.100"/2.54mm) diameter, permits use in more confined areas such as slots or shallow holes
- 5700-0065: the offset indicator holder can be used with test indicators, the user can sweep holes or o.d.s for checking run-out or concentricity, establish center distances, check straightness or alignment of flat surfaces

Unit:mm

Code	Code	Head diam	Shank	overall length
5700-0040	5700-0050	Conical Point	0.12"/3mm	2.32"/59mm
	5700-0055	1/4" /6mm	0.12"/3mm	2.54"/64.5mm
	5700-0060	Disc Point (0.100"/2.54mm)	0.12"/3mm	2.32"/59mm
	5700-0065	Offset Indicator Holde Individual Wiggler Point		

ELECTRIC EDGE FINDER



- Edge finder lights and beeps instantly when probe touches workpiece
- High sensitivity probe for accurate positioning relative to workpiece
- Read off any electrically conductive metal
- Used to precisely determine the edge of a workpiece (zero setting)
- Hardened shank and contact ball

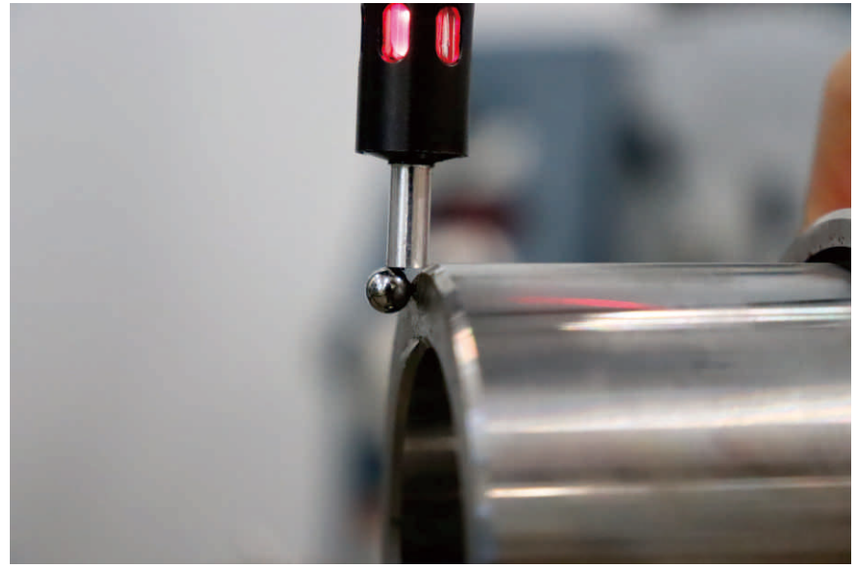
Unit:mm

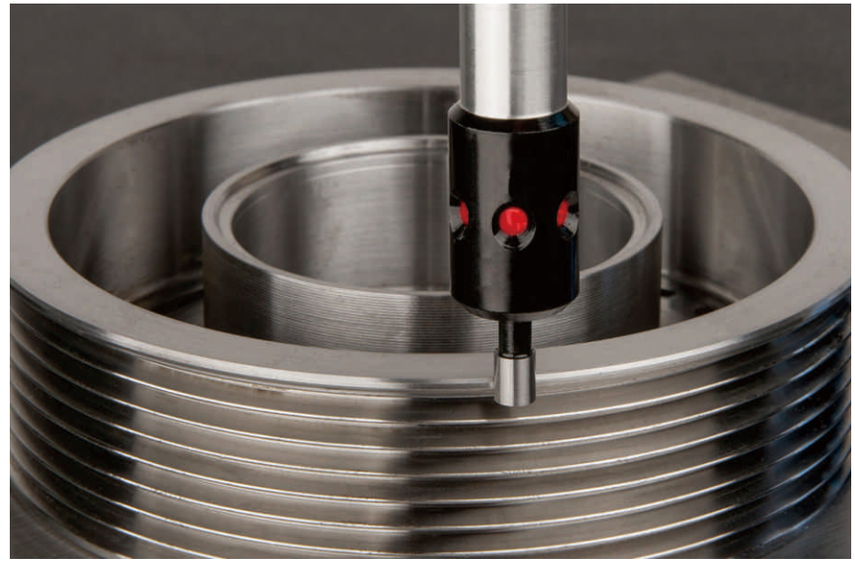
Code	Shank(**A**)	Contact ball(**B**)	length	Beeper	Accuracy
5760-1005	φ20	Sφ10	160	with	0.005
5760-1015	φ20	Sφ10	100	with	0.005

ELECTRONIC EDGE FINDER

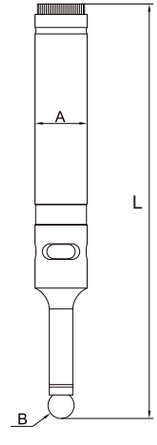
Dasqua Blu MADE IN USA

- 5761-0040
- 5761-0050
- 5761-0045





- Edge finder lights instantly when stylus touches work edge
- Six equally spaced light ports provide visibility at any angle
- Read off any electrically conductive metal
- Repeatability: 0.0002"

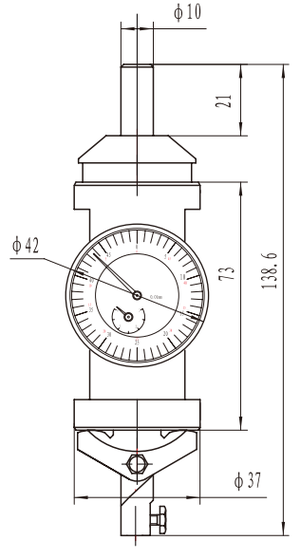


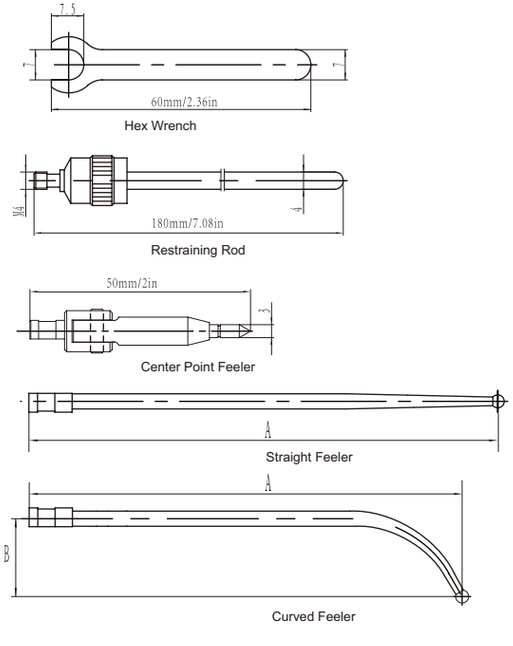
Unit:mm

Code	L	A	E	Range	Range	Range
5761-0040	4.13"	ϕ1/2"	ϕ0.2"	±0.0002"	without	12Volt
5761-0045	4.13"	ϕ1/2"	ϕ0.2"	±0.0002"	without	12Volt
5761-0050	4.13"	ϕ3/4"	ϕ0.4"	±0.0002"	with	12Volt

H

CENTERING INDICATOR GAUGE





Unit:mm

Code	Range	Graduation	Accuracy
5711-6100-A	0-0.15"	0.0005"	0.001"
5712-1100-A	0-3mm	0.01mm	0.02mm

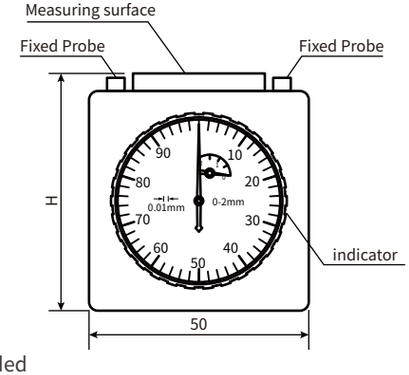
ACCESSORY

Code	Range	Graduation	Accuracy
5712-1005	inside probe	ϕ3mm/0.125"	50mm/2"
5712-1010	inside probe	ϕ3mm/0.125"	100mm/4"
5712-1015	inside probe	ϕ3mm/0.125"	150mm/6"
5712-1020	outside probe	ϕ3mm/0.125"	50mm/2"
5712-1025	outside probe	ϕ3mm/0.125"	100mm/4"
5712-1030	outside probe	ϕ3mm/0.125"	150mm/6"
5712-1035	centering probe	ϕ3mm/0.125"	50mm/2"
5712-1040	restraining arm	ϕ4mm/0.157"	150mm/6"
5712-1045	3pcs inside & 3pcs outside probes	ϕ3mm/0.125"	50mm/2", 100mm/4",150mm/6"

ZERO SETTING DEVICE

• 1122-9001

• 1122-9002

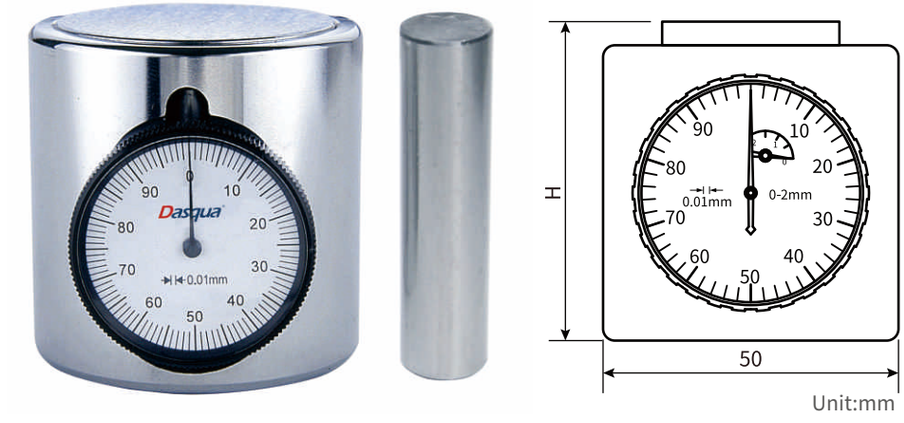


- With magnetic base
- To adjust the tools to the 0-position to determine the reference point of the machine spindle
- No feeler gauge or starting contact is needed
- Spring loaded setting face
- Mechanical zero-setting instrument for CNC machine centers
- Low spring force to prevent cutting tool from damage

Unit:mm

Code	Range	Graduation	Height	Remark
1122-9001	0-2	0.01	50	Magnetic base
1122-9002	0-2	0.01	100	Magnetic base with switch

ZERO SETTING DEVICES

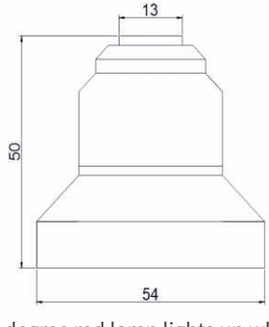


Unit:mm

Code	Range	Resolution	H	Diam of measuring surface	Accuracy
1801-1015	0-2mm	0.01	50	43	±0.02

ELECTORNIC ZERO SETTING DEVICES

WITH LUMINOUS LED



- 360 degree red lamp lights up when touched
- Magnetic base to prevent skid and improve work efficiency
- Battery: 23A 12V

Unit:mm

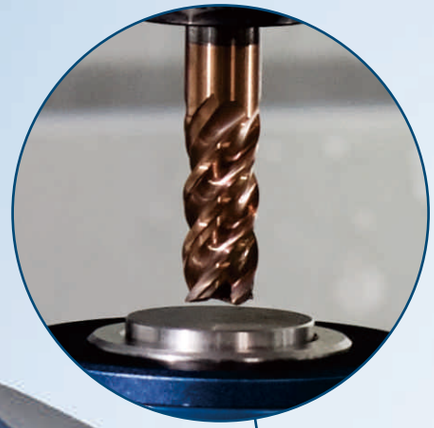
Code	height	test face diameter	basement diameter	Accuracy
1122-9003	50	ϕ13	ϕ54	±0.003

DIGITAL ZERO SETTING DEVICE

WITH 0.001MM RESOLUTION

Battery + CR2032

- Accuracy (toleranace range): ±0.002mm/0.0001"
- Repeatability:0.003mm/0.0001"
- 3V Lithium battery CR2032



BORN IN ITALY
BEST SELLER
RAISED BY THE WORLD

IP65

- **RESOLUTION REACHES 0.001MM**
  Higher than other zero setting devices
- **USED TO HELP TOOL SETTING**
  Can be used in IP65 working environment (with inductive measurement against splash water) and will not damage the tool edge
- **LIGHTING INDICATING AT "0"**
  More obvious and accurate compared with mechanic zero setting device

Unit: mm

Code	Height	Resolution
1801-1005	50	0.001/0.00005"
1801-1010	100	0.001/0.00005"

- **Provided in fitted aluminum case**

- **Height of 100mm optional**

- **With magnetic base**
  Fixed on machine steadily and shorten tool setting time and improve work efficiency greatly

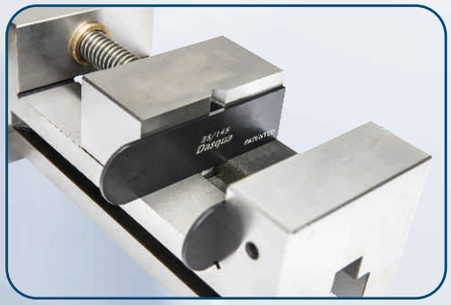
PREMIUM MAGNETIC PARALLEL SET
WITH HANDLE

Patented design for easy installation and disassemble

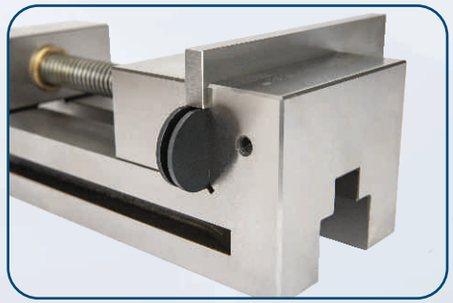
- Higher Accuracy from Dasqua
- Height tolerence:±0.005mm Width tolerence:±0.01mm
- Hardness:55-60HRC

Unit:mm

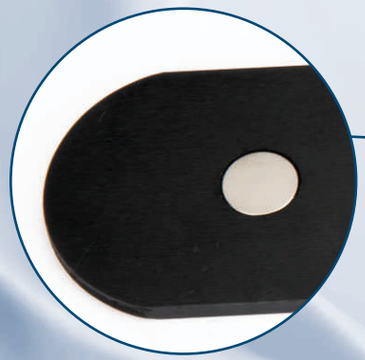
Code	Amtount(Pairs)	Length	Width	Thickness
1801-0105-A	5	100	15,22,25,30,32	2.5
1801-0110-A	5	125	15,30,35,37,39	2.5
1801-0115-A	5	150	25,35,40,45,47	2.5



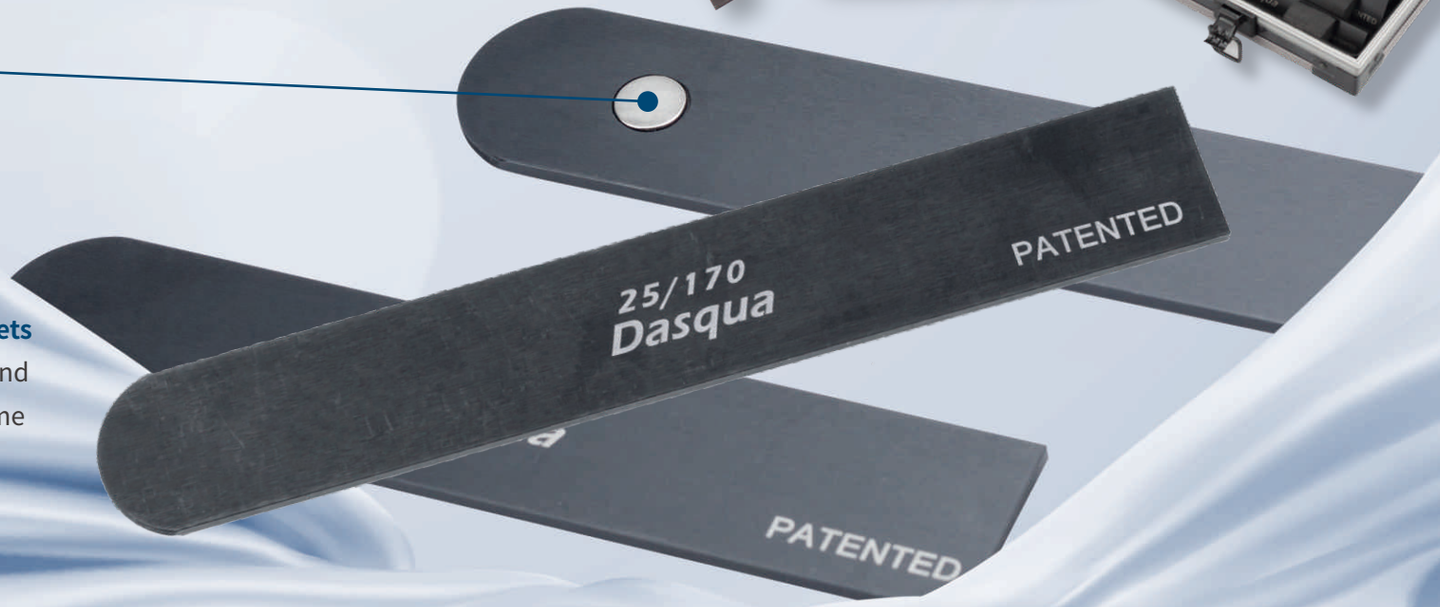
BEFORE USE



IN USE



- **Newly designed embeded magnets** leaving your hands for clamping and setting up reduce the clamping time significantly



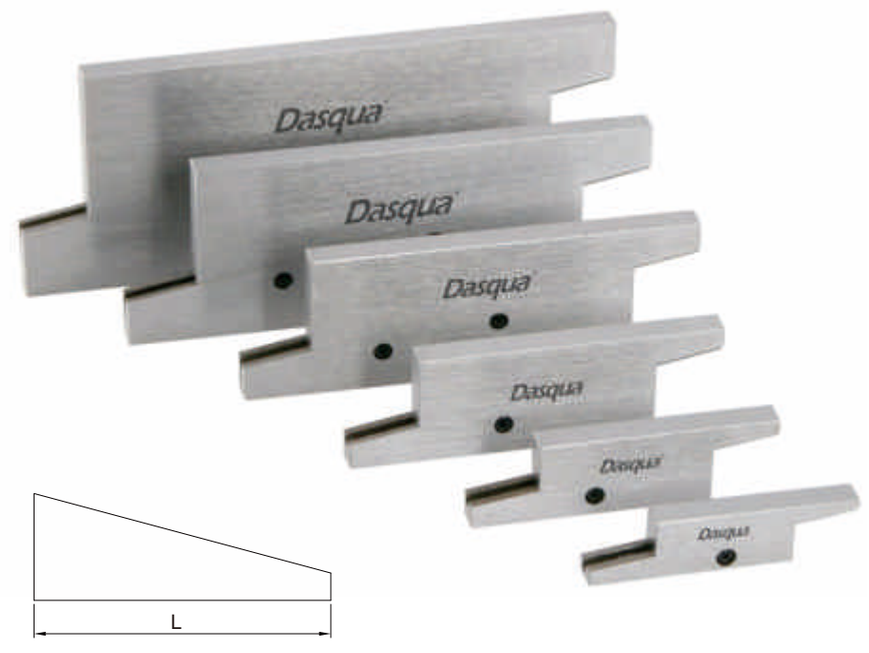
EXTRA THIN PREMIUM PARALLEL SET

- Come with 10 Pairs Precision Ultra Thin Parallel Set
- Made of premium alloy steel, hardened, stress-relieved, precision ground, used in pairs
- With high perpendicularity, parallelism, dimension accuracy, convenient to use and maintain
- Easy to operate during the drilling, milling, assembling work, convenient to clamp workpiece, and provide the reliable and accurate position for workpiece
- Accuracy: Height±0.01mm, thickness±0.01mm, use in pairs: ±0.01mm (height/thickness)
- Edges are slightly beveled
- Superior surface finish: Ra0.4um, high hardness: 56-61HRC, long service life

Unit:mm

Code	Amount(Pairs)	Thickness x Length	Height
8201-0005	10	0.8 x 150	12,14,16,18,20,22,24,26,28,30
8202-0005	10	1/32" x 6"	1/2",5/8",3/4",7/8",1",1-1/8",1-1/4",1-3/8",1-1/2"&1-5/8"

6PCS/SET ADJUSTABLE PARALLEL SET



- Quickly Adjustable, and locked with set screws for micromoment
- For layout, inspection, stop work, set-up, etc.

Unit:mm

Code	Range	L	Thickness	Parallelism	Tolerance
8405-2005	3/8" to 1/2" 1/2" to 11/16" 11/16" to 15/16" 15/16" to 1-5/16" 1-5/16" to 1-3/4" 1-3/4" to 2-1/4"	1.78"/45mm、 2.13"/54mm、 2.72"/69mm、 3.54"/90mm、 4.21"/107mm、 4.61"/117mm	0.275"/7mm	0.0004"	±0.0005"

PREMIUM PARALLEL SET

WITH ALU.CASE

- Premium alloy steel, hardened and quenched, hardness of 58-63HRC, long service life
- Edges are slightly lapped for anti-collision.
- Fitted black aluminium case

Unit:mm

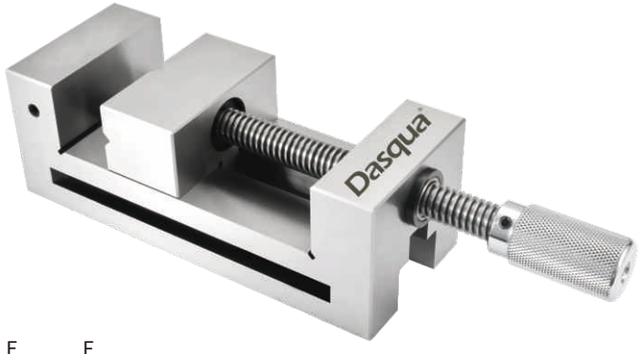
Code	Quantity(Pairs)	Thickness x Length	Height
8203-0010	14	10 x 150	14,16,18,20,22,24,26,28,30,32,35,40,45,50
8203-0025	14	4 x 150	14,16,18,20,22,24,26,28,30,32,35,40,45,50
8203-0030	9	8.5 x 150	14,16,20,24,30,32,36,40,44
8204-0010	9	1/4"x6"	3/4",7/8",1",1-1/8",1-1/4",1-3/8",1-1/2",1-5/8",1-3/4"
8204-0015	10	1/8"x6"	1/2",5/8",3/4",7/8",1",1-1/8",1-1/4",1-3/8",1-1/2",1-5/8"
8204-0025	4	3/16"x6"	1",1-1/4",1-1/2",1-3/4"
8204-0027	11	3/32"x6"	1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-5/8", 1-3/4"

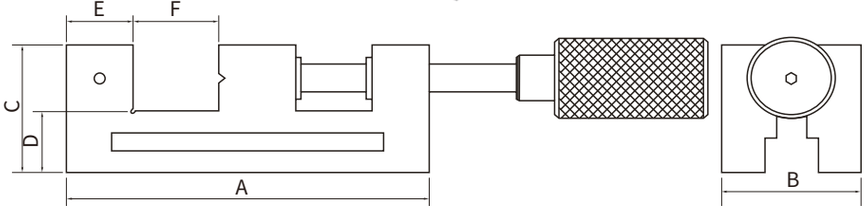
- Precision ground with high accuracy: height ±0.01mm, parallelism ±0.005mm, use in pairs: ±0.01mm (height) with Inspection report (optional)

- Round chamfer to protect operators'hands from scratch

LONG SERVICE LIFE HIGH HARDNESS

PRECISION TOOLMAKERS VICE-SCREW GUIDE TYPE





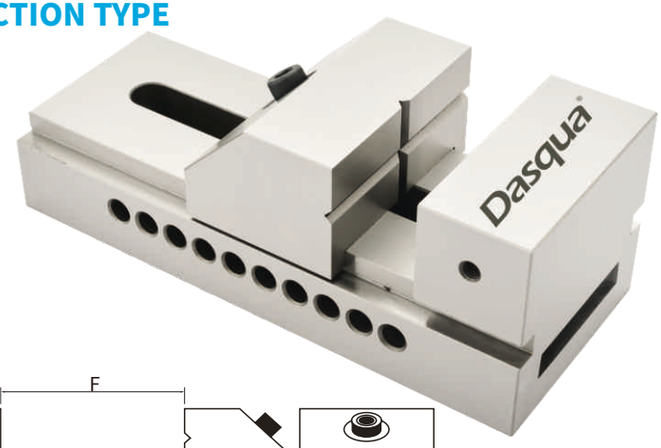
- Hardened and stabilized
- Precision ground to a mirror finish
- Squareness of the vice is within 0.005mm and parallelism of the all critical sidest
- Horizontal and Vertical V moveable jaws are provided for holding the round/square partst
- Jaw pressure on workpiece is forward and downward for repeatable positioning and maximum holding power
- Particularly suitable for erosion work
- Can be used on base, either side, end and top

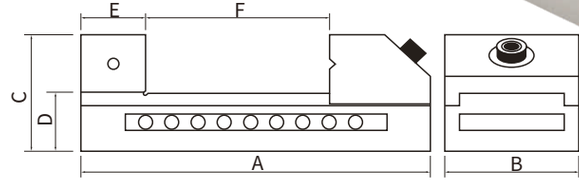
Unit:mm

Code	A	B	C	D	E	F	Weight
8802-5105	156	50	52	27	25	0-63	2.3kg
8802-5110	176	63	63	33	30	0-73	4.0kg
8802-5115	190	73	73	38	35	0-76	5.5kg
8802-5118	250	88	80	38	40	0-115	10.0kg
8802-5120	255	100	82	42	40	0-120	11.0kg
8802-5123	310	125	100	50	50	0-152	18.3kg
8802-5125	325	150	199	50	50	0-165	20.0kg

PRECISION TOOLMAKERS VICE

QUICK ACTION TYPE



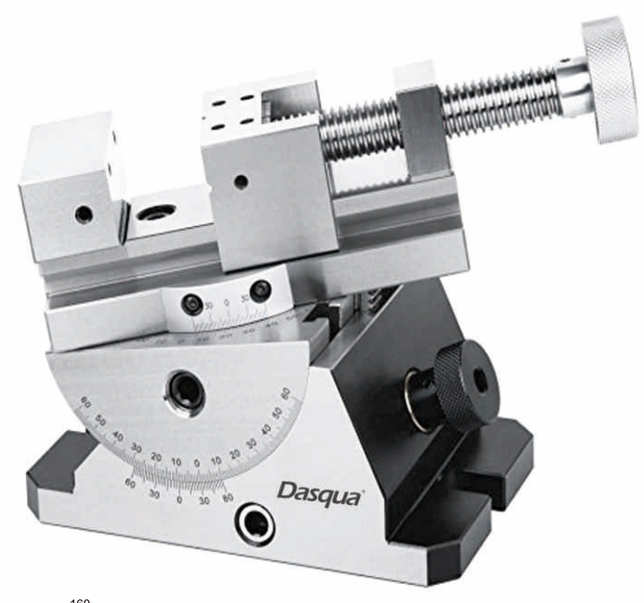


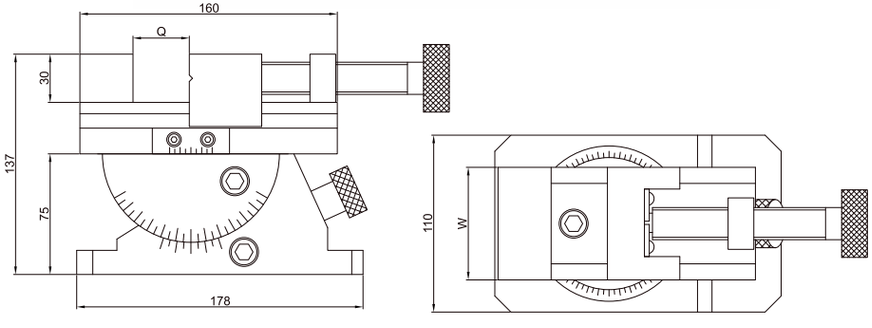
- Hardened and stabilized
- Precision ground to a mirror finish
- Squareness of the vice is within 0.005mm and parallelism of the vice is within 0.003mmon all critical sidest
- Positive download and rapid positioning notches for free Jaw movement
- Horizontal and Vertical V moveable jaws are provided for holding the round/square parts
- Locking Screw provided at the Vise base for adjustable positions of the moveable Jaw
- The rapid positioning notches allow the vice to be locked in any position by means of an allen key provided with the vice
- Jaw pressure on work piece is forward and downward for repeatable positioning and maximum holding power
- Particularly suitable for erosion work
- Can be used on base, either side, end and top

Unit:mm

Code	A	B	C	D	E	F	Weight
8802-1105	150	50	53	28	30	0-80	1.6kg
8802-1110	175	63	63	31	35	0-90	2.9kg
8802-1115	190	73	70	35	35	0-100	4.3kg
8802-1118	235	88	80	40	40	0-130	6.5kg
8802-1120	245	100	90	45	45	0-130	10kg
8802-1125	285	125	100	45	45	0-160	15kg
8802-1130	330	150	100	50	50	0-180	20kg

UNIVERSAL PRECISION VISE



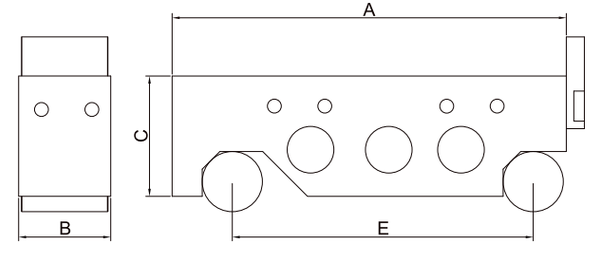


- Including precision vise and a swivel angle plate base
- Vise is capable of revolving 360 degrees horizontally with a 3' graduation engraved
- ±45degree vertical with a 3' graduation engraved
- L-wrench included for locking vise horizontal at any position
- Vertical angle can be adjusted with fine adjustment knob
- Hardness HRC56-68, Hardened and ground

Unit:mm

Code	Jaw width	Jaw opening	Jaw depth	Height	Width	Length	Parallelism	Squareness
8802-0005	70mm / 2-3/4"	80mm / 3.15"	30mm/ 1.18"	137mm / 5.4"	110mm / 4.33"	160mm / 6.3"	0.005mm/100mm	0.01mm/100mm

SINE BAR

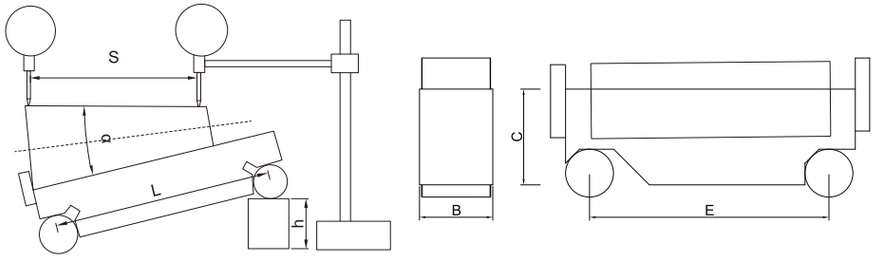


- Roughness of the surface (Ra) is 0.8μm
- Sine bars are made from a high metal corrosion resistant steel, and is hardened, precision ground, and stabilized
- A sine bar is used either to measure an angle very accurately or face locate any work to a given angle
- A sine bar is used in conjunction with slip gauge blocks for precise angular measurement

Unit:mm

Code	Roller distance	A	B	H	Accuracy of roller distance
8405-0005	100	130	25	30	±0.0035
8405-0010	200	250	40	45	±0.0050

SINE BAR



- Sine bars are made from a high metal corrosion resistant steel, and is hardened, precision ground, and stabilized
- A sine bar is used either to measure an angle very accurately or face locate any work to a given angle
- A sine bar is used in conjunction with slip gauge blocks for precise angular measurement

Unit:mm

Code	Roller distance	B	C	weight
8405-0015	100	40	80	3.5kg

SINE PLATE OF 45°

- Popular used for inspecting the milling machine and grinding machine
- Hardened steel, precision ground.
- Parallelism:100:0.001mm
- Perpendicular:100:0.003mm
- HRC:58-62°

Code	Length*Width*Height	Weight(KG)
8405-1005	150*75*50mm	4
8405-1010	150*150*50mm	8
8405-1015	150*300*65mm	21
8405-1020	300*150*65mm	2.5
8405-1025	300*200*65mm	27
8405-1030	300*300*65mm	42

DOUBLE SINE PLATE OF 45°

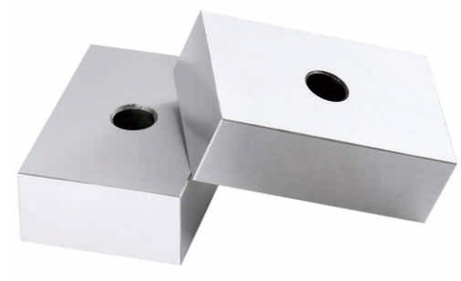
- Popular used for inspecting the milling machine and grinding machine
- Hardened steel, precision ground.
- Parallelism:100:0.001mm
- Perpendicular:100:0.003mm
- HRC:58-62°

Code	Length*Width*Height
8405-1035	150*150*80mm
8405-1040	300*150*106mm

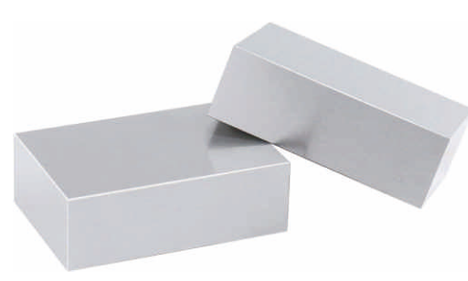
1-2-3 BLOCKS

• 8407-2005

• 8407-2015



• 8407-2020



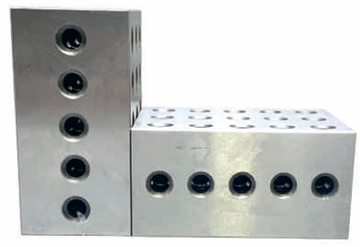
• 8407-2025

- Hardened and precision ground on all 6 sides of each block
- Heat treated and case hardened to HRC 58-62
- Including 5 tapped holes that are 3/8-16 for clamping and 18 untapped holes
- Cross drilling design gives minimum weight and maximum strength

Unit:mm

Code	Size	Holes	Squareness	Tolerance	Parallelism	Height of pair
8407-2005	25/50/75mm	23	0.003mm/25mm	±0.005mm	0.005mm	0.005mm
8407-2010	25/50/75mm	23	0.008mm/25mm	±0.005mm	0.005mm	0.005mm
8407-0005-A	1-2-3"	23	0.0001"/1"	±0.0002"	0.0002"	0.0002"
8407-0010-A	1-2-3"	23	0.0003"/1"	±0.0002"	0.0002"	0.0002"
8407-0015	1-2-3"	11	0.0003"/1"	±0.0002"	0.0002"	0.0002"
8407-0020	1-2-3"	1	0.0003"/1"	±0.0002"	0.0002"	0.0002"
8407-0025	1-2-3"	NO	0.0003"/1"	±0.0002"	0.0002"	0.0002"

2-3-4 BLOCKS



Unit:mm

Code	Size	Holes	Squareness	Tolerance	Parallelism	Height of pair
8407-0030	2-3-4"	23	0.0003"/1"	±0.0003"	0.0002"	0.0002"

2-4-6 BLOCKS

Unit:mm

Code	Size	Holes	Squareness	Tolerance	Parallelism	Height of pair
8407-0035	2-4-6"	23	0.0003"/1"	±0.0005"	0.0002"	0.0002"
8407-0050	50/100/150mm	23	0.008mm/25mm	±0.005mm	0.005mm	0.005mm

PRECISION SET-UP BLOCKS

WITH CAP BOLTS SET

Unit:mm

Code	Size	Holes	Squareness	Tolerance	Parallelism	Height of pair
8407-0040	2 Pcs 123 Blocks, 5 Cap Bolts,1 Hex Key	23	0.0003"/1"	±0.0002"	0.0002"	0.0002"

1-2-3 BLOCK PAIR & 10 PCS THIN PARALELL SET

This set includes 1-2-3 Blocks (1 Pair) 23 Holes & 1/8" 10 Pc. Thin Parallel Set in a durable aluminium case.

1-2-3 Blocks:

- 23 holes consists of5 tapped holes that are 3/8-16 for clamping and 18 untapped holes
- Hardened and precision Ground on all 6 sides of each block
- Product Dimensions: 1"x2"x3"
- Heat treated and case hardened to HRC 58-62
- Tolerance of size±0.0002",parallelism 0.0002",Height of pair 0.0002'

1/8" 10 Pc. Thin Parallel Set

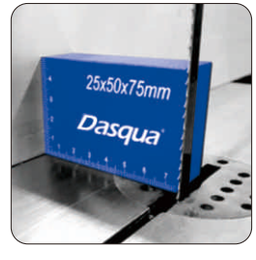
- Premium alloy steel, hardened and quenched, hardness of 58-63HRC, long service life
- Edges are slightly lapped for anti-collision
- Round chamfer to protect operators hands from scratch
- Precision ground with high accuracy: height/width±0.0lmm, parallelism±0.005mm, use in pairs:±0 0lmm (height/thickness) with inspection report (optional)
- Includes 10 pairs of the following heights: 1/2",5/8",3/4",7/8",1",1-1/8",1-1/4",1-3/8",1-1/2", 1-5/8"

Unit:mm

Code	Description	Size
8407-8201	Block Pair & Paralell Set	1"-2"-3" & 1/8"

H

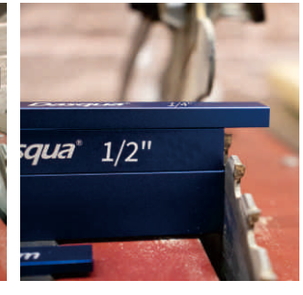
PRECISION SET-UP BLOCK SET 15PCS

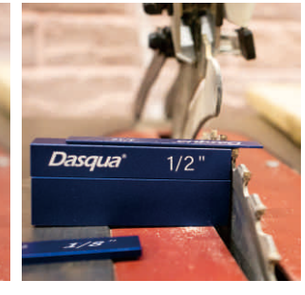


- CNC Machined, black anodized aluminum
- Easy-to-read, laser-etched markings
- Block Thickness Accuracy: 0.001”/0.025mm
- Set-up blocks are especially handy where space is limited or the area you're working in is obstructed. If you have a job that requires precise setups even in an accessible area

Code	Range
1804-1610	3"X2"X1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16 ",15/32", 1/2", 23/32", 3/4", 1 inch
1804-1605	75x12.5x 1, 1.5,2, 3, 4, 5, 6, 7, 8, 10, 12, 15, 18, 20, 25 mm

PRECISION SET-UP BLOCK SET



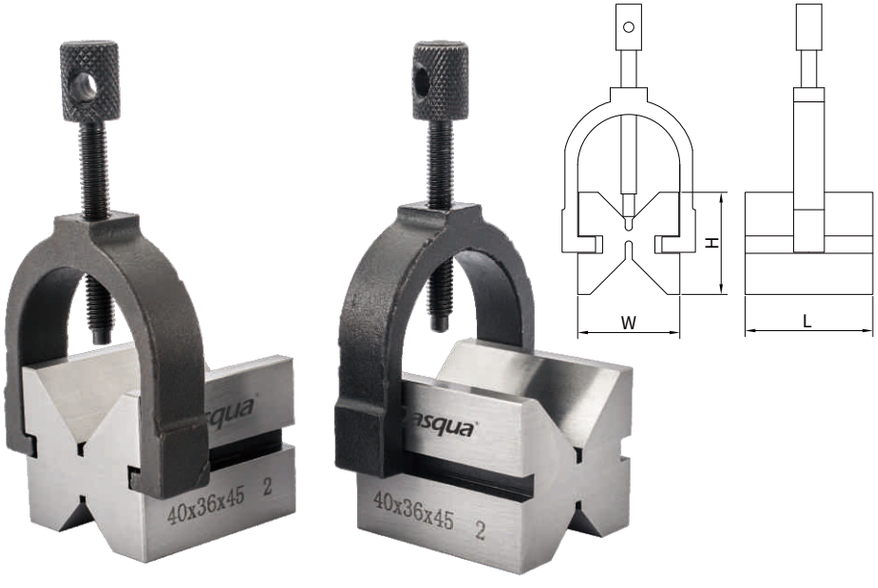


- Thickness 1/16", 1/18", 1/4", 1/2", 3/4"Width 1/2", length 2" (accuracy within 0.0002")
- 1-2-3 block (accuracy within 0.0002")
- Heat treated and case hardened to HRC 58-62
- Set-up blocks for measuring distance and align machine fixtures into parallel
- Woodworkers will find them effective in position drill press components, table saw jigs and router fences.

Code	Range
1804-1615	Mainly used for router table drill press table band saw fences

V-BLOCK & CLAMP SET

BEST SELLER

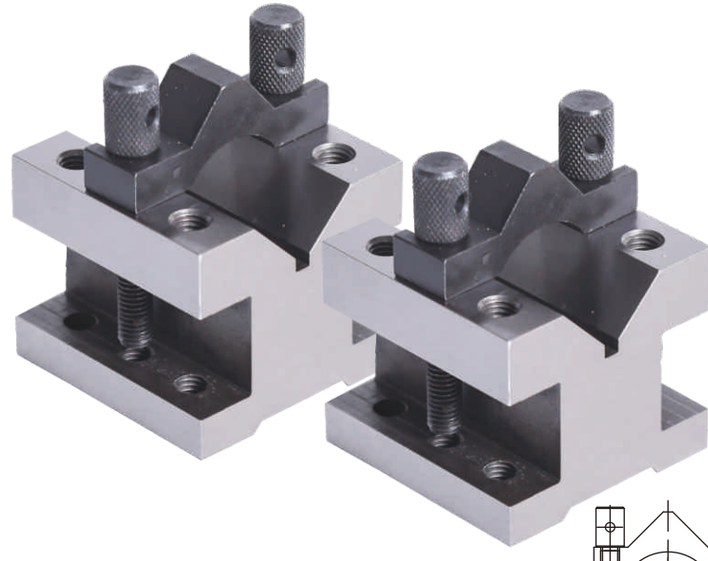


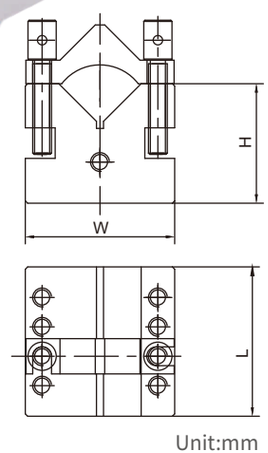
- Made of premium hardened steel, stress-relieved and precision ground in pairs
- Flatness and parallelism±0.01mm
- V-angle 90°clamping brackets can be used to check cylindrical precision machined parts
- Contact faces are ground and lapped
- Supplied in pair

Unit:mm

Code	Clamping Range	H	W	L
8101-0005	5-36	36	40	45
8101-0010	6-45	40	45	70
8101-0015	6-48	44	63	70
8101-0020	6-80	70	89	124
8101-2005	1"	1-3/8"	1-3/4"	1-5/8"
8101-2010	1-1/2"	1-5/8"	1-3/4"	2-3/4"
8101-2015	1-1/2"	1-3/4"	2-1/2"	2-3/4"
8101-2020	2-1/8"	2-3/4"	3-1/2"	4-7/8"

V-BLOCK & CLAMP SET



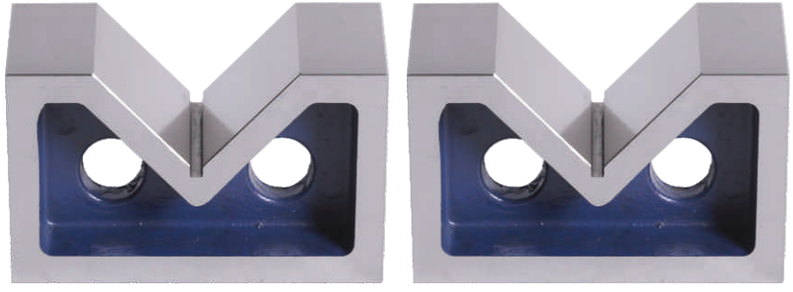


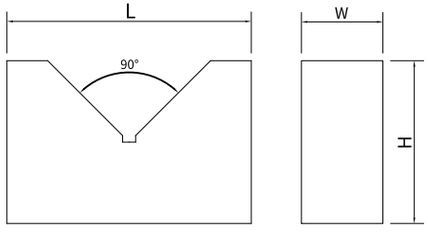
- Supplied in pair
- Hardness HRC 52-58
- Flatness and parallelism±0.01mm
- Stepped groove construction permits low or high clamping
- Made of premium hardened steel, stress-relieved and precision ground in pairs
- V-angle 90°clamping brackets can be used to check cylindrical precision machined parts

Unit:mm

Code	Clamping range ϕ	H	W	L
8741-4105	3-15mm	30mm	35mm	35mm
8741-4110	4-30mm	50mm	60mm	60mm
8741-4130	6-65mm	76mm	76mm	100mm
8741-4115	6-65mm	78mm	105mm	105mm
8741-2105	3-15mm	1-3/16"	1-3/8"	1-3/8"
8741-2110	4-30mm	2"	2-3/8"	2-3/8"
8741-2130	6-65mm	3"	3"	4"
8741-2115	6-65mm	3-1/16"	4-1/8"	4-1/8"

V-BLOCK



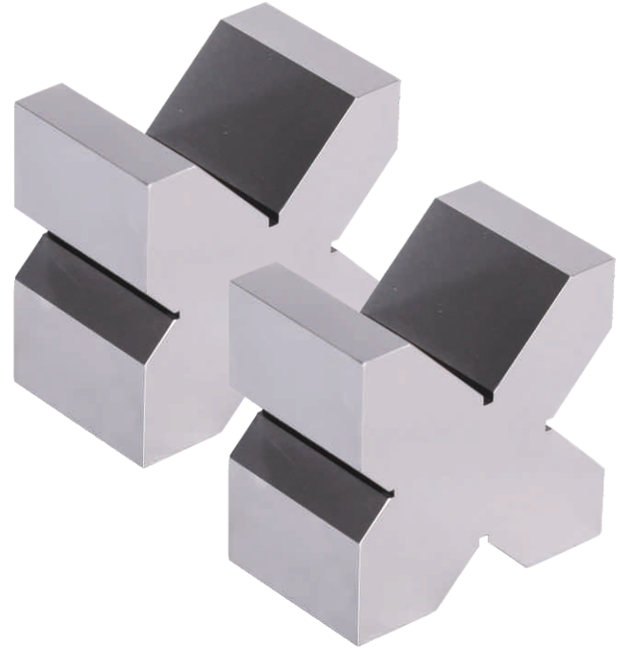


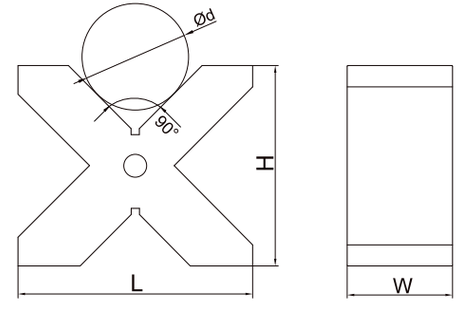
- Accuracy: 0.01mm, Sauareness: 0.01mm
- Made of high quality casting, properly seasoned against distortion
- Machined square and parallel to meet standard specifications
- Supplied in pair

Unit:mm

Code	Clamping range	H	W	L
8321-3005	6-54	7/8"	1-1/4"	2"
8321-3010	8-56	1-5/16"	2-3/8"	3"
8321-3015	10-72	1-5/8"	2-5/8"	4"
8321-3020	10-80	2"	3-1/8"	5"
8321-3025	10-100	2-1/2"	3-1/2"	6"
8560-0005	6-54	32mm	23mm	50mm
8560-0010	5-44	30mm	53mm	75mm
8560-0015	10-60	38mm	60mm	100mm
8560-0020	10-74	46mm	79mm	125mm
8560-0025	10-104	57mm	88mm	150mm

V-BLOCK





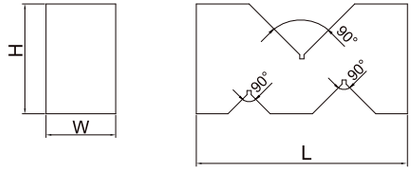
- Supplied in pair
- Hardness: HRC52-58
- Accuracy: 0.01mm
- Squareness: 0.01mm

Unit:mm

Code	Clamping range	H	W	H
8321-5005	5-20	38	38	30
8321-5010	6-50	80	80	50
8321-5015	6-68	100	100	60
8321-5020	8-120	130	75	150
8321-5025	12-180	170	90	200

V-BLOCK

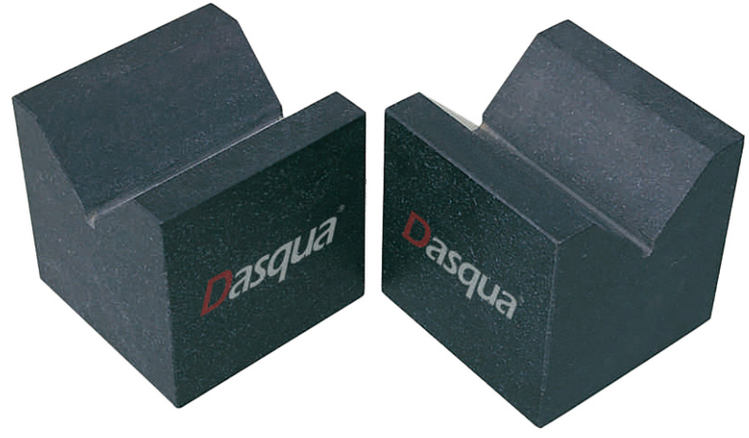
- Supplied in pair
- Accuracy: 0.01mm
- Squareness: 0.01mm

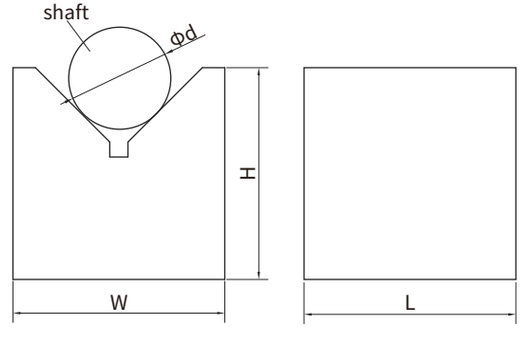


Unit:mm

Code	Clamping range	H	W	L
8123-0065	4-54	37	35	75
8123-0070	8-68	33	52	100
8123-0075	8-80	44	69	125
8123-0080	8-100	50	80	150
8123-0085	8-136	70	110	200

GRANITE V-BLOCK SET





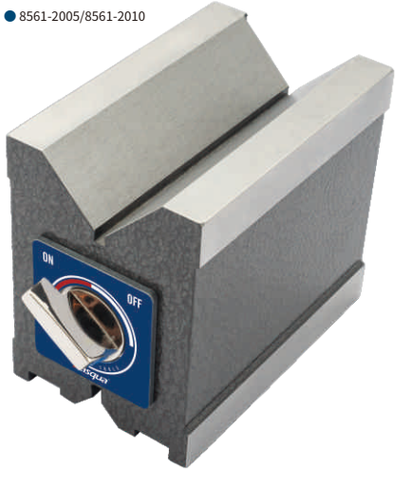
- Supplied in pair
- Made of granite, hard and no rusty, no dimensional change over time or temperature change
- With V-cut 90°, finely ground
- Side- and front-faces angular ground in regard to base area
- Ideal for testing cylinder

Unit:mm

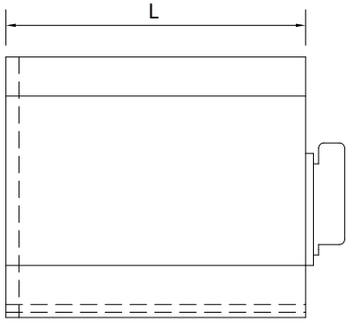
Code	L x W x H	Range of shafts(φd)	Parallelism of V groove to bottom	Height difference of a matched pair	Grade
8321-1005	70x50x70	5-45	0.003	0.003	00
8321-1010	100x50x70	5-45	0.004	0.003	00
8321-2005	50x50x65	6-70	0.004	0.005	00
8321-2010	75x75x75	6-84	0.004	0.005	00
8321-2015	150x150x150	6-130	0.004	0.005	00

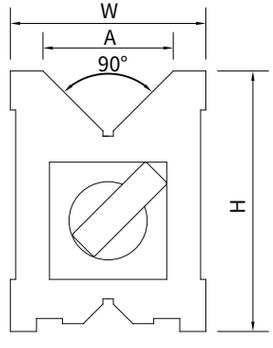
MAGNETIC V-BLOCK

● 8561-2005/8561-2010



● 8561-2015



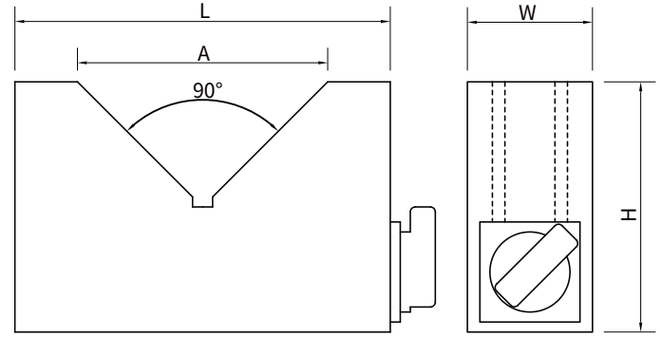


- All working surfaces are hardened
- Magnetic force on top, bottom and two V grooves
- Magnetic Measuring and Clamping V-Block
- Hardened, high accuracy, strong magnetic force for grinding, light milling, drilling and inspection of round and square jobs
- V groove on the top for large shafts V groove on the bottom for small shafts
- Magnet has an On/O ffswitch which easily and quickly engages / releases magnet
- Suitable for cast iron surface plates

Unit:mm

Code	Holding power	L	W	H	A	Weight
8561-2005	70kg	100	70	95	46	4.0kg
8561-2010	80kg	115	75	100	50	5.2kg
8561-2015	60kg	70	60	72	36	1.6kg

MAGNETIC V-BLOCK SET

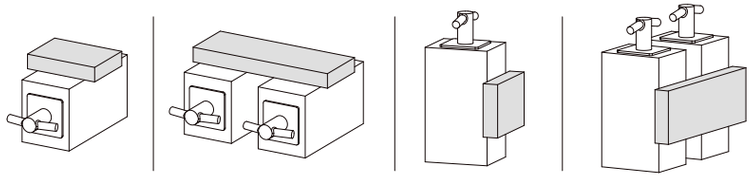


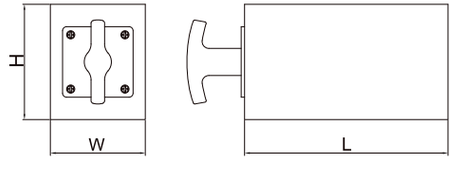
- Made of high quality steel and copper
- Magnet has an On/Off switch which easily and quickly engages / releases magnet
- Precision ground and lapped in pairs to ensure same size
- Both V-grooved part and bottom face have magnetic force

Unit:mm

Code	Holding power	L x W x H	A	Applicable Dia	weight
8561-2030	15kg	70X40X50(2pcs)	34	φ50	1kgx2
8561-2035	23kg	150X50X100(2pcs)	100	φ100	5kgx2

MAGNETIC RECTANGULAR BLOCKS



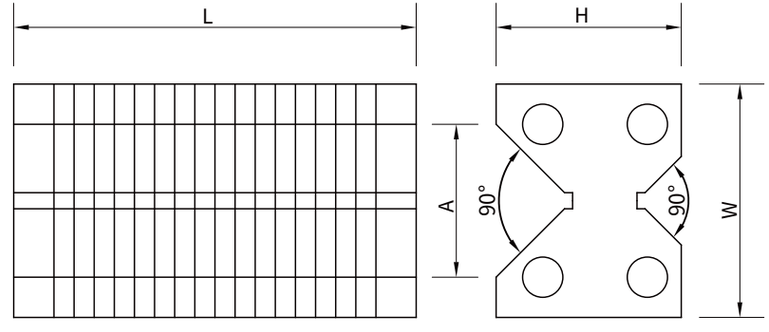


- Hardness HRC58-62
- Designed with 3 meticulously ground magnetic surfaces, ensuring a stable and reliable grip for precise measurements

Unit:mm

Code	Holding power	H X W X L	Height difference	Parallelism
8123-0035	100kgf	70X70X100 (Single Piece)	0.005	0.005
8123-0040	125kgf	85X70X150 (2 Pcs/Set)	0.005	0.005

MAGNETIC INDUCTION V-BLOCK



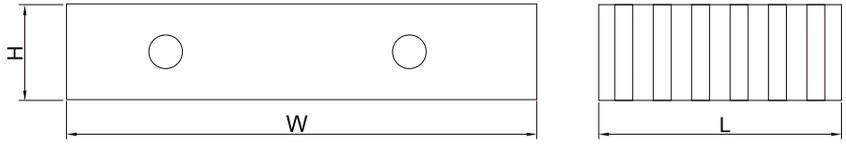
- All working surfaces are hardened, precision ground
- For use on magnetic chucks
- These fine V-Blocks are now made universal holds in any direction on the magnetic chuck
- Integrally aluminum cast into one solid piece ground all over and series numbered in pairs

Unit:mm

Code	L x W x H	A	Meterial	Weight
8561-2020	100x58x46/4"x2-1/4"x1-4/5"	38	Steel/Aluminum	1.2kg
8561-2025	50x58x46/2"x2-1/4"x1-4/5"	38	Steel/Aluminum	0.6kgx2

MAGNETIC INDUCTION PARALLEL SET

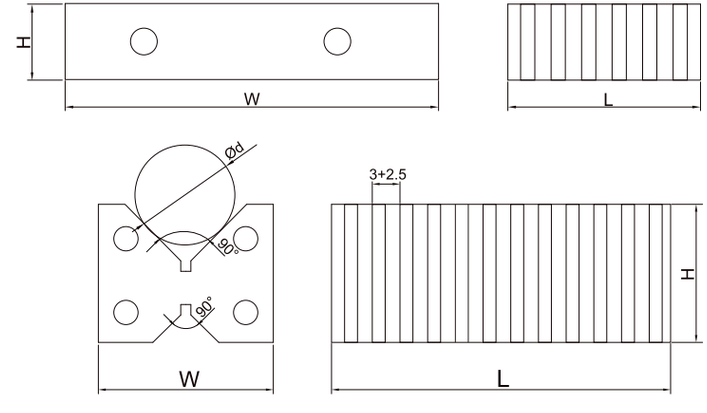
- Hardness HRB70
- supplied in pair



Unit:mm

Code	L x W x H	Material	Weight	Pole pitch	Height difference
8123-0025	100x50x25/4"x2"x1"	Steel/Aluminum	0.6kgx2	2.5+3mm	0.01
8123-0030	50x100x25/2"x4"x1"	Steel/Aluminum	0.6kgx2	2.5+3mm	0.01

4PCS/SET(MAG.INDUCTION V-BLOCK+MAGNETIC INDUCTION PARALLEL)

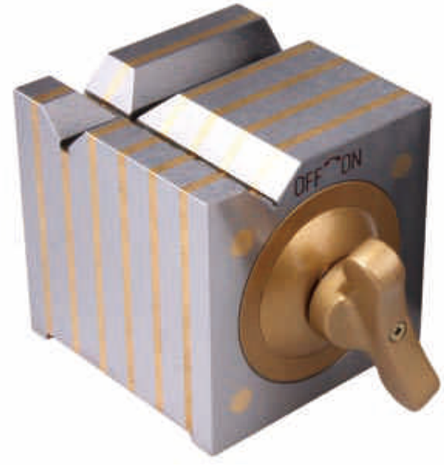


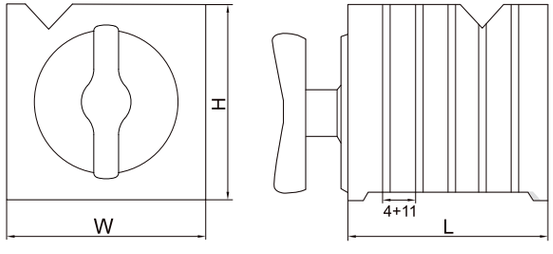
- Hardness HRB70
- Supplied in pair

Unit:mm

Code	Including	L x W x H	Clamping range	Pole pitch	Height difference
8123-0105	8123-0025	100x50x25/4"x2"x1"	/	2.5+3mm	0.01
	8561-2025	50x58x56/2"x2-1/4"x1-4/5"	6-50mm	2.5+3mm	0.01

MAGNETIC SQUARE V-BLOCK





- Perform high precision measuring operations without damaging the part
- Faces are precision ground for maximum accuracy
- Fast workholding for light machining operations on plate or round steel
- V-grooves, top, and both sides, and bottom, are magnetized

Unit:mm

Code	Holding power (V-grove)	Holding power (Surface)	L x W x H	Material	Weight
8123-0090	25kg	/	100x100x100mm	Copper/Steel	7kg
8123-0095	50kg	6-50mm	150x150x150mm	Copper/Steel	25kg

HEAVY DUTY PRECISION BENCH CENTER

- Used to make fast and precise checks of runout on cylindrical/tapered parts
- Base and center-stocks are made of stress-relieved and aged cast iron
- Centers are made of hardened and precision ground steel
- Extra heavy duty adjustable indicator holder included
- Quick release centers, #2 Morse taper centers
- Head stock can be adjusted lengthwise and locked securely in any position by special lever type handle

Unit:mm

Code	Distance between two centers	Center height	Range	Accuracy	
				Parallelism(μm)	Verticality(μm)
7851-0005	200	100	φ200	⩽8	⩽5
7851-0006	300	100	φ200	⩽8	⩽5
7851-0007	300	170	φ340	⩽8	⩽5
7851-0008	300	300	φ600	⩽8	⩽5
7851-0009	500	170	φ340	⩽8	⩽5
7851-0011	500	300	φ600	⩽8	⩽5
7851-0013	1000	300	φ600	⩽10	⩽8
7851-0014	1500	250	φ500	⩽20	⩽16
7851-0015	2000	230	φ460	⩽30	⩽20
7851-0016	2500	300	φ560	⩽30	⩽30

CONCENTRICITY GAUGE

WITH CAST IRON BASE

- Hardened cast-iron guide surface
- Movable column
- V-slot for cylinder Ø4~Ø22mm

Unit:mm

Code	Center Height	Distance between two centers	Parallelism	Vertical accuracy	Runout accuracy	Taper of center	Dimension
7851-2005	300	80	0.01	0.015	0.003	545*135*174	15.7

CONCENTRICITY GAUGE

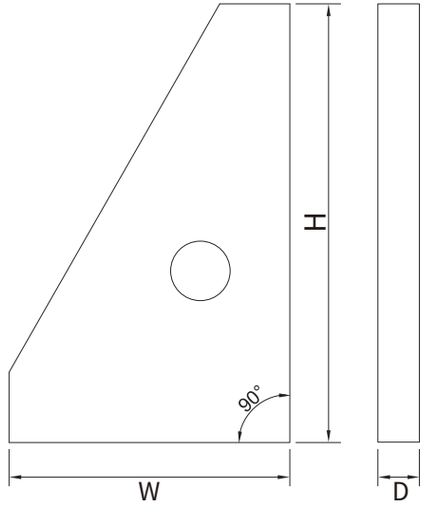
WITH GRANITE BASE

- Granite guide surface
- Movable column
- Maximum workpiece diameter 250mm

Unit:mm

Code	Center Height	Distance between two centers	Parallelism	Vertical accuracy	Runout accuracy	Taper of center	Dimension
7851-2010	130	1000	0.01	0.012	0.003	MT3C18	1340*280*313

GRANITE SQUARE 90°

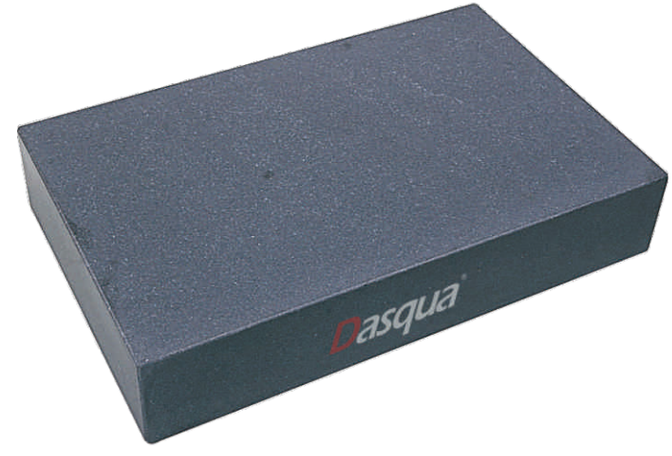


- Used to check squareness
- Holes are made to reduce weight so easy to handle and carry
- Made of natural granite, with two sides precision ground

Unit:mm

Code	Size(**H** x **W** x **D**)	Squareness between meaning surface and datumsurface	Grade
9211-3005	250x160x40	0.002	00
9211-3010	400x250x50	0.003	00
9211-3015	630x400x50	0.004	00
9213-4005	250x160x40	0.005	0
9213-4010	400x250x50	0.007	0
9213-4015	630x400x50	0.009	0

GRANITE SURFACE PLATE

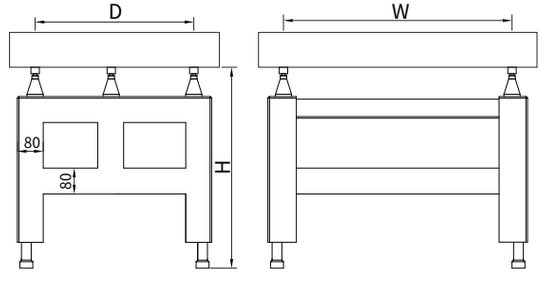


- Meet DIN876, grade 00 is for inspection room or lab, grade 0 is for workshop
- Made of granite, free from deterioration or dimensional change over time, minimal changes in dimension due to temperature changes
- High density structure thus extremely homogeneous
- Surface plate is lapped and has a satin matt finish to prevent glare
- 100% corrosion proof
- Non-magnetic and non-conductive
- Measuring insruments and test equipment are easy to slide over surface
- For measuring tasks, layout work, touching up and lapping precision parts
- Optional accessory: stand for granite surface plate, jack for granite surface plate
- Supplied with calibration certificate

Unit:mm

Code	**L x W x H**	Flatness (Grade 00)	Code	**L x W x H**	Flatness (Grade 0)
8500-3020	300x200x60	0.0027	**8730-3020**	300x200x60	0.0054
8500-4025	400x250x60	0.0029	**8730-4025**	400x250x60	0.0059
8500-4040	400x400x60	0.0031	**8730-4040**	400x400x60	0.0063
8500-5032	500x315x70	0.0032	**8730-5032**	500x315x70	0.0064
8500-6340	630x400x80	0.0035	**8730-6340**	630x400x80	0.0070
8500-6363	630x630x100	0.0038	**8730-6363**	630x630x100	0.0076
8500-8050	800x500x100	0.0039	**8730-8050**	800x500x100	0.0078
8500-1063	1000x630x140	0.0044	**8730-1063**	1000x630x140	0.0087

GRANITE PLATE STAND



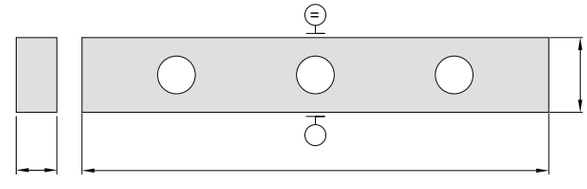
- Solid steel construction
- For medium size granite surface plates
- One foot on the bottom is adjustable
- Adjusting range of jacks

Unit:mm

Code	For granite surface plate	W x D x H
8295-0005	630x400x80 (code 8500-6340,8730-6340)	350x222x(700-725)
8295-0010	630x630x100 (code 8500-6363,8730-6363)	350x350x(680-705)
8295-0015	800x500x100 (code 8500-8050,8730-8050)	444x277x(680-705)
8295-0020	1000x630x140 (code 8500-1063,8730-1063)	555x350x(620-645)
8295-1005	630x400x80 (code 8500-6340,8730-6340)	350x222x(930-955)
8295-1010	630x630x100 (code 8500-6363,8730-6363)	350x350x(910-935)
8295-1015	800x500x100 (code 8500-8050,8730-8050)	444x277x(910-935)
8295-1020	1000x630x140 (code 8500-1063,8730-1063)	555x350x(870-895)

GRANITE STRAIGHT EDGE

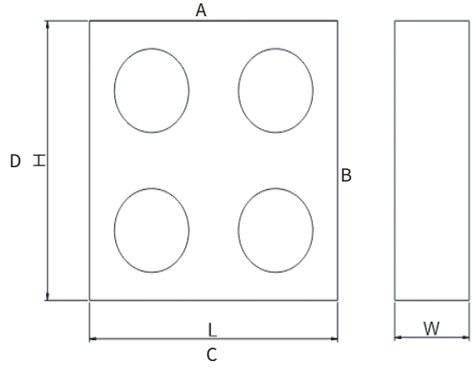
- Grade 00



Unit:mm

Code	Dimension	Flatness	Parallelism
8340-0015	500x50x80mm	0.0018mm	0.0027mm
8340-0020	1000x60x120mm	0.003mm	0.0045mm
8340-0005	1000x300x300mm	0.003mm	0.0045mm
8340-0010	1000x160x50mm	0.003mm	0.0045mm

GRANITE SQUARE

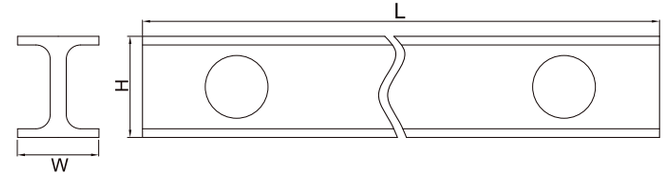


- Two large faces & four edges flat, square and parallel to each other, with lightening holes
- Made to manufacturer's spec available in custom sizes and thickness, with or without lightening holes

Unit:mm

Code	L x H x W	Squareness between A, B,C and D	Flatness A, B, C and D	Parallelism between A, B,C and D	Grade
8610-3030-A	300x300x30	5.2µm	2.3µm	5.5µm	0
8600-3232	315x315x40	2.6µm	1.1µm	2.6µm	00
8600-8080	800x800x80	4.2µm	2.1µm	4.2µm	00

CAST IRON STRAIGHT EDGE

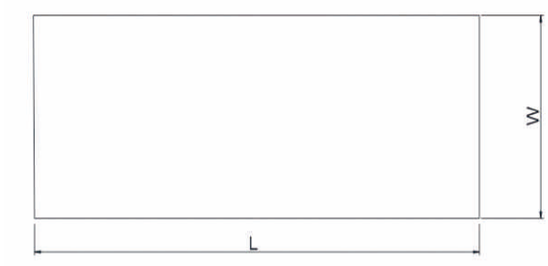


- With certificate

Unit:mm

Code	Dimension	Flatness	Parallelism	Grade
8123-0045	500x50x70	0.006	0.010	0
8123-0050	1000x60x80	0.010	0.015	0
8123-0055	1500x60x87	0.015	0.020	1
8123-0060	2000x80x100	0.020	0.030	1

CAST IRON INSPECTION TABLE



Unit:mm

Code	Dimension	Flatness	Weight (kg)	Grade
8123-1002	400x300mm	0.004	15	0
8123-1003	400x400mm	0.0045	18	0
8123-1004	200x200mm	0.003	9	0
8123-1005	200x300mm	0.0035	10	0
8123-1006	400x500mm	0.0045	21	0
8123-1007	400x600mm	0.005	24	0
8123-1008	500x800mm	0.0053	34	0
8123-1009	600x800mm	0.0055	48	0
8123-1010	600x900mm	0.0058	65	0
8123-1011	1000x750mm	0.0125	98	1
8123-1012	1000x1000mm	0.014	145	1
8123-1013	1200x1000mm	0.0145	170	1
8123-1014	1500x1000mm	0.015	210	2
8123-1015	1000x2000mm	0.025	290	2
8123-1016	1500x3000mm	0.060	860	2
8123-1017	2000x4000mm	0.121	2450	3
8123-1018	2000x5000mm	0.130	4000	3

THREADING AND GAUGE BLOCKS

BORN IN ITALY, RAISED BY THE WORLD

02-10 THREAD GAUGE

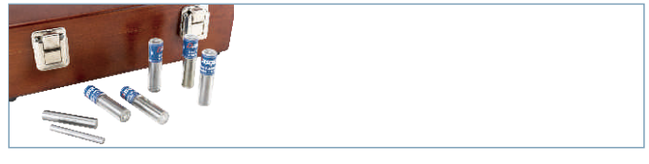
11-12 PLAIN GAUGE

13-19 GAUGE BLOCKS

20-21 COUPLING HOLDER FOR GAUGE BLOCK

22 OTHER GAUGE BLOCK

23 PIN GAUGE



24 PIN GAUGE RELATED PRODUCTS

GAUGES PRIME

ONE OF THE VERY FEW QUALIFIED THREADING GAUGE SUPPLIERS SERVING EUROPEAN INDUSTRIAL MARKET!

- All thread parameters per pitch inspection according to ISO thread DIN ISO 1502 standard
- With calibration certificate

DIN ISO 1502

CERTIFICATE *Dasqua*

Cert. Nr.:			190857984
Measured object	Internal Normal Thread	Left/Right Thread	Right
Temperature	20	Nr of Starts	1
Side	Go	Measurement	
Standard	DIN ISO 1502	Flankpercentage(%)	
Type	M16x2-6g T	Master Gauge	
Ident Number		Setting Gaguge Diameter	

	Min tol.	Max tol.	Measured	Graphical
Basic Major Diameter(mm)	16.117	/	16.3141	
Basic Minor Diameter(mm)	13.788	13.806	13.798	
Basic Pitch Diameter(mm)	14.646	14.664	14.6579	
Pitch	1.995	2.005		
Cumulative Pitch Error	/	/		
Flank Angle	2950'0"			

Basic Major Diameter	Basic Minor Diameter		Pitch	Flank Angle
16.3171	13.7987		1.9999	2956'3"
16.3125	13		1.9998	2956'27"
16.3136		.6584	1.9998	2956'29"
16.3123		14.6581	1.9998	2956'55"
		14.6579	1.9999	2956'43"

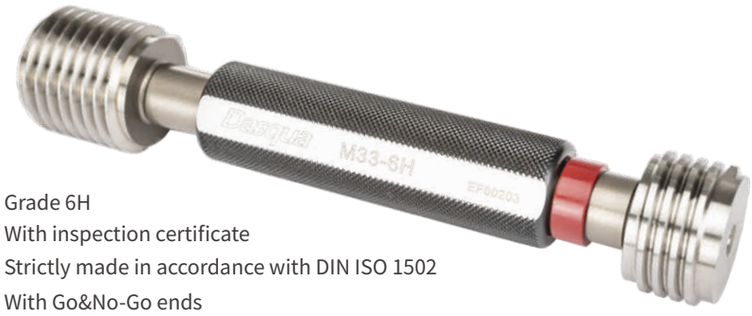
ion Date:

- Vacuum hardening ensures hardness reaches 58-62HRC Cryogenic treatment can increase the toughness and abrasion resistance significantly, and prolong the service life of the product.

- IAC Screw Thread Inspection Machine

THREAD PLUG GAUGES/GO& NO-GO ISO-METRIC

DIN ISO 1502



- Grade 6H
- With inspection certificate
- Strictly made in accordance with DIN ISO 1502
- With Go&No-Go ends
- Made of premium steel, hardened, cryogenic treatment
- Stable product dimensions, superior surface finish, wear resistance for long service life

Unit:mm

Code	Size	Code	Size	Code	Size
6401-9100-25	M1x0.25	6401-9600-75	M6x0.75	6401-0141-25	M14x1.25
6401-9110-25	M1.1x0.25	6401-9701-00	M7x1	6401-0141-00	M14x1
6401-9120-25	M1.2x0.25	6401-9801-25	M8x1.25	6401-0151-50	M15x1.5
6401-9140-30	M1.4x0.3	6401-9801-00	M8x1	6401-0151-00	M15×1
6401-9160-35	M1.6x0.35	6401-9901-25	M9x1.25	6401-0162-00	M16×2
6401-9180-35	M1.8x0.35	6401-9901-00	M9x1	6401-0161-50	M16×1.5
6401-9200-40	M2x0.4	6401-0101-50	M10x1.5	6401-0161-00	M16×1
6401-9200-40	M2.3x0.4	6401-0101-25	M10x1.25	6401-0171-50	M17×1.5
6401-9250-45	M2.5x0.45	6401-0101-00	M10x1	6401-0171-00	M17x1
6401-9260-45	M2.6x0.45	6401-0111-50	M11×1.5	6401-0182-50	M18×2.5
6401-9300-45	M3x0.5	6401-0111-00	M11×1	6401-0182-00	M18x2
6401-9350-60	M3.5x0.6	6401-0121-75	M12x1.75	6401-0181-50	M18×1.5
6401-9400-70	M4x0.7	6401-0121-50	M12×1.5	6401-0181-00	M18x1
6401-9400-50	M4x0.5	6401-0121-25	M12x1.25	6401-0202-50	M20×2.5
6401-9450-75	M4.5x0.75	6401-0121-00	M12×1	6401-0202-00	M20×2
6401-9500-80	M5x0.8	6401-0131-50	M13x1.5	6401-0201-50	M20×1.5
6401-9500-50	M5x0.5	6401-0131-00	M13×1	6401-0201-00	M20×1
6401-9550-50	M5.5x0.5	6401-0142-00	M14x2	6401-0222-50	M22×2.5
6401-9601-00	M6x1	6401-0141-50	M14×1.5	6401-0222-00	M22x2

Unit:mm

Code	Size	Code	Size	Code	Size
6401-0221-50	M22x1.5	6401-0394-00	M39x4	6401-0552-00	M55x2
6401-0221-00	M22x1	6401-0393-00	M39x3	6401-0551-50	M55x1.5
6401-0243-00	M24x3	6401-0392-00	M39x2	6401-0564-00	M56x4
6401-0242-00	M24x2	6401-0391-50	M39x1.5	6401-0563-00	M56x3
6401-0241-50	M24x1.5	6401-0391-00	M39x1	6401-0562-00	M56x2
6401-0241-00	M24x1	6401-0403-00	M40x3	6401-0561-50	M56x1.5
6401-0251-50	M25x1.5	6401-0402-00	M40x2	6401-0561-00	M56x1
6401-0251-00	M25x1	6401-0401-50	M40x1.5	6401-0583-00	M58x4
6401-0261-50	M26x1.5	6401-0424-50	M42x4.5	6401-0584-00	M58x3
6401-0273-00	M27x3	6401-0424-00	M42x4	6401-0582-00	M58x2
6401-0272-00	M27x2	6401-0423-00	M42x3	6401-0581-50	M58x1.5
6401-0271-50	M27x1.5	6401-0422-00	M42x2	6401-0604-00	M60x4
6401-0271-00	M27x1	6401-0421-50	M42x1.5	6401-0603-00	M60x3
6401-0282-00	M28x2	6401-0421-00	M42x1	6401-0602-00	M60x2
6401-0281-50	M28x1.5	6401-0454-00	M45x4	6401-0601-50	M60x1.5
6401-0281-00	M28x1	6401-0453-00	M45x3	6401-0601-00	M60x1
6401-0303-50	M30x3.5	6401-0452-00	M45x2	6401-0624-00	M62x4
6401-0303-00	M30x3	6401-0451-50	M45x1.5	6401-0623-00	M62x3
6401-0302-00	M30x2	6401-0451-00	M45x1	6401-0622-00	M62x2
6401-0301-50	M30x1.5	6401-0483-00	M48x5	6401-0621-50	M62x1.5
6401-0301-00	M30x1	6401-0484-00	M48x4	6401-0644-00	M64x4
6401-0323-00	M32x2	6401-0483-00	M48x3	6401-0643-00	M64x3
6401-0321-50	M32x1.5	6401-0482-00	M48x2	6401-0642-00	M64x2
6401-0333-50	M33x3.5	6401-0481-50	M48x1.5	6401-0641-50	M64x1.5
6401-0333-00	M33x3	6401-0481-00	M48x1	6401-0641-00	M64x1
6401-0332-00	M33x2	6401-0503-00	M50x3	6401-0654-00	M65x4
6401-0331-50	M33x1.5	6401-0502-00	M50x2	6401-0653-00	M65x3
6401-0331-00	M33x1	6401-0501-50	M50x1.5	6401-0652-00	M65x2
6401-0351-50	M35x1.5	6401-0524-00	M52x5	6401-0651-50	M65x1.5
6401-0351-00	M35x1	6401-0523-00	M52x4	6401-0684-00	M68x4
6401-0364-00	M36x4	6401-0524-00	M52x3	6401-0683-00	M68x3
6401-0363-00	M36x3	6401-0522-00	M52x2	6401-0682-00	M68x2
6401-0362-00	M36x2	6401-0521-50	M52x1.5	6401-0681-50	M68x1.5
6401-0361-50	M36x1.5	6401-0521-00	M52x1	6401-0681-00	M68x1
6401-0361-00	M36x1	6401-0554-00	M55x4	6401-0704-00	M70x4
6401-0381-50	M38x1.5	6401-0553-00	M55x3	6401-0703-00	M70x3

.....TO BE CONTINUED

CONTINUED FROM PREVIOUS PAGE.....

Unit:mm

Code	Size	Code	Size	Code	Size
6401-0702-00	M70x2	6401-1052-00	M105x2	6401-1604-00	M160x4
6401-0701-50	M70x1.5	6401-1051-50	M105x1.5	6401-1603-00	M160x3
6401-0724-00	M72x4	6401-1104-00	M110x4	6401-1602-00	M160x2
6401-0723-00	M72x3	6401-1103-00	M110x3	6401-1654-00	M165x4
6401-0722-00	M72x2	6401-1102-00	M110x2	6401-1653-00	M165x3
6401-0721-50	M72x1.5	6401-1101-50	M110x1.5	6401-1652-00	M165x2
6401-0753-00	M75x3	6401-1154-00	M115x4	6401-1704-00	M170x4
6401-0752-00	M75x2	6401-1153-00	M115x3	6401-1703-00	M170x3
6401-0751-50	M75x1.5	6401-1152-00	M115x2	6401-1702-00	M170x2
6401-0763-00	M76x3	6401-1151-50	M115x1.5	6401-1754-00	M175x4
6401-0762-00	M76x2	6401-1204-00	M120x4	6401-1753-00	M175x3
6401-0761-50	M76x1.5	6401-1203-00	M120x3	6401-1752-00	M175x2
6401-0782-00	M78x2	6401-1202-00	M120x2	6401-1804-00	M180x4
6401-0804-00	M80x4	6401-1201-50	M120x1.5	6401-1803-00	M180x3
6401-0803-00	M80x3	6401-1254-00	M125x4	6401-1802-00	M180x2
6401-0802-00	M80x2	6401-1253-00	M125x3		
6401-0801-50	M80x1.5	6401-1252-00	M125x2		
6401-0822-00	M82x2	6401-1251-50	M125x1.5		
6401-0854-00	M85x4	6401-1304-00	M130x4		
6401-0853-00	M85x3	6401-1303-00	M130x3		
6401-0852-00	M85x2	6401-1302-00	M130x2		
6401-0851-50	M85x1.5	6401-1354-00	M135x4		
6401-0904-00	M90x4	6401-1353-00	M135x3		
6401-0903-00	M90x3	6401-1352-00	M135x2		
6401-0902-00	M90x2	6401-1404-00	M140x4		
6401-0901-50	M90x1.5	6401-1403-00	M140x3		
6401-0954-00	M95x4	6401-1402-00	M140x2		
6401-0953-00	M95x3	6401-1454-00	M145x4		
6401-0952-00	M95x2	6401-1453-00	M145x3		
6401-0951-50	M95x1.5	6401-1452-00	M145x2		
6401-1004-00	M100x4	6401-1504-00	M150x4		
6401-1003-00	M100x3	6401-1503-00	M150x3		
6401-1002-00	M100x2	6401-1502-00	M150x2		
6401-1001-50	M100x1.5	6401-1554-00	M155x4		
6401-1054-00	M105x4	6401-1553-00	M155x3		
6401-1053-00	M105x3	6401-1552-00	M155x2		

THREAD PLUG GAUGES/GO&NO-GO ANSI-INCH

ANSI B1.2

- With Go&No-Go ends
- Grade 2B
- Strictly made in accordance with ANSI B1.2
- Made of premium steel, hardened, cryogenic treatment
- Stable product dimensions, superior surface finish, wear resistance for long service life
- With inspection certificate

Unit:mm

Code	Size	Code	Size	Code	Size
6407-0000-80	No.0-80UNF	6407-0053-18	5/16-18UNC	6407-0173-24	1-1/16-24UNEF
6407-0010-64	No.1-64UNC	6407-0053-24	5/16-24UNF	6407-0034-10	3/4-10UNC
6407-0020-56	No.2-56UNC	6407-0053-32	5/16-32UNEF	6407-0034-16	3/4-16UNF
6407-0030-48	No.3-48UNC	6407-0038-16	3/8-16UNC	6407-0034-20	3/4-20UNEF
6407-0040-40	No.4-40UNC	6407-0038-24	3/8-24UNF	6407-0193-20	1-3/16-20UNEF
6407-0050-40	No.5-40UNC	6407-0038-32	3/8-32UNEF	6407-0078-09	7/8-9UNC
6407-0060-32	No.6-32UNC	6407-0073-14	7/16-14UNC	6407-0078-14	7/8-14UNF
6407-0070-40	No.6-40UNF	6407-0073-20	7/16-20UNF	6407-0078-20	7/8-20UNEF
6407-0080-32	No.8-32UNC	6407-0073-28	7/16-28UNEF	6407-0213-20	1-5/16-20UNEF
6407-0080-36	No.8-36UNF	6407-0012-13	1/2-13UNC	6407-0011-08	1-8UNC
6407-0100-24	No.10-24UNC	6407-0012-20	1/2-20UNF	6407-0011-12	1-12UNF
6407-0100-32	No.10-32UNF	6407-0012-28	1/2-28UNEF	6407-0011-20	1-20UNEE
6407-0120-24	No.12-24UNC	6407-0093-12	9/16-12UNC	6407-0173-18	1-1/16-18UNEF
6407-0120-28	No.12-28UNE	6407-0093-18	9/16-18UNF	6407-0098-07	1-1/8-7UNC
6407-0120-32	No.12-32UNEF	6407-0093-24	9/16-24UNEF	6407-0098-12	1-1/8-12UNF
6407-0014-20	1/4-20UNC	6407-0058-11	5/8-11UNC	6407-0098-18	1-1/8-18UNEF
6407-0014-28	1/4-28UNF	6407-0058-18	5/8-18UNF	6407-0193-18	1-3/16-18UNEF
6407-0014-32	1/4-32UNEF	6407-0058-24	5/8-24UNEF	6407-0054-07	1-1/4-7UNC

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Unit:mm

Code	Size	Code	Size	Code	Size
6407-0054-12	1-1/4-12UNF	6407-0198-16	2-3/8-16UN	6407-0174-12	4-1/4-12UN
6407-0054-18	1-1/4-18UNEF	6407-0052-04	2-1/2-4UNC	6407-0174-16	4-1/4-16UN
6407-0213-18	1-5/16-18UNEF	6407-0052-12	2-1/2-12UN	6407-0358-12	4-3/8-12UN
6407-0118-6	1-3/8-6UNC	6407-0052-16	2-1/2-16UN	6407-0358-16	4-3/8-16UN
6407-0118-12	1-3/8-12UNF	6407-0218-12	2-5/8-12UN	6407-0092-12	4-1/2-12UN
6407-0118-18	1-3/8-18UNEE	6407-0218-16	2-5/8-16UN	6407-0092-16	4-1/2-16UN
6407-0233-18	1-7/16-18UNEF	6407-0114-04	2-3/4-4UNC	6407-0378-12	4-5/8-12UN
6407-0032-06	1-1/2-6UNC	6407-0114-12	2-3/4-12UN	6407-0378-16	4-5/8-16UN
6407-0032-12	1-1/2-12UNF	6407-0114-16	2-3/4-16UN	6407-0194-12	4-3/4-12UN
6407-0032-18	1-1/2-18UNEF	6407-0238-12	2-7/8-12UN	6407-0194-16	4-3/4-16UN
6407-0253-18	1-9/16-18UNEF	6407-0238-16	2-7/8-16UN	6407-0398-12	4-7/8-12UN
6407-0138-18	1-5/8-18UNEF	6407-0031-04	3-4UNC	6407-0398-16	4-7/8-16UN
6407-0173-18	1-1/16-18UNEF	6407-0031-12	3-12UN	6407-0051-12	5-12UN
6407-0074-05	1-3/4-5UNC	6407-0031-16	3-16UN	6407-0051-16	5-16UN
6407-0074-12	1-3/4-12UN	6407-0258-12	3-1/8-12UN	6407-0418-12	5-1/8-12UN
6407-0074-16	1-3/4-16UN	6407-0258-16	3-1/8-16UN	6407-0418-16	5-1/8-16UN
6407-0074-20	1-3/4-20UN	6407-0134-04	3-1/4-4UNC	6407-0214-12	5-1/4-12UN
6407-0193-12	1-3/16-12UN	6407-0134-12	3-1/4-12UN	6407-0214-16	5-1/4-16UN
6407-0193-16	1-3/16-16UN	6407-0134-16	3-1/4-16UN	6407-0438-12	5-3/8-12UN
6407-0193-20	1-3/16-20UN	6407-0278-12	3-3/8-12UN	6407-0438-16	5-3/8-16UN
6407-0158-12	1-7/8-12UN	6407-0278-16	3-3/8-16UN	6407-0112-12	5-1/2-12UN
6407-0158-16	1-7/8-16UN	6407-0072-04	3-1/2-4UNC	6407-0112-16	5-1/2-16UN
6407-0158-20	1-7/8-20UN	6407-0072-12	3-1/2-12UN	6407-0458-12	5-7/8-12UN
6407-0213-12	1-5/16-12UN	6407-0072-16	3-1/2-16UN	6407-0458-16	5-7/8-16UN
6407-0213-16	1-5/16-16UN	6407-0298-12	3-5/8-12UN	6407-0234-12	5-3/4-12UN
6407-0213-20	1-5/16-20UN	6407-0294-16	3-5/8-16UN	6407-0234-16	5-3/4-16UN
6407-0021-45	2-4.5UNC	6407-0154-04	3-3/4-4UNC	6407-0478-12	5-7/8-12UN
6407-0021-12	2-12UN	6407-0154-12	3-3/4-12UN	6407-0478-16	5-7/8-16UN
6407-0021-16	2-16UN	6407-0154-16	3-3/4-16UN	6407-0061-12	6-12UN
6407-0021-20	2-20UN	6407-0318-12	3-7/8-12UN	6407-0061-16	6-16UN
6407-0178-12	2-1/8-12UN	6407-0318-16	3-7/8-16UN		
6407-0178-16	2-1/8-16UN	6407-0041-04	4-4UNC		
6407-0094-45	2-1/4-4.5UNC	6407-0041-12	4-12UN		
6407-0094-12	2-1/4-12UN	6407-0041-16	4-16UN		
6407-0094-16	2-1/4-16UN	6407-0338-12	4-1/8-12UN		
6407-0198-12	2-3/8-12UN	6407-0338-16	4-1/8-16UN		

THREAD RING GAUGES ISO-Metric

DIN ISO 1502

- With inspection certificate
- With Go&No-Go ends
- Grade 6g
- Strictly made in accordance with DIN ISO 1502
- Made of premium steel, hardened, cryogenic treatment
- Stable product dimensions, superior surface finish, wear resistance for long service life

Go

Unit:mm

Code	Size	Code	Size	Code	Size
6405-9100-25	M1x0.25	6405-0101-25	M10x1.25	6405-0202-00	M20×2
6405-9110-25	M1.1x0.25	6405-0101-00	M10x1	6405-0201-50	M20×1.5
6405-9120-25	M1.2x0.25	6405-0111-50	M11×1.5	6405-0201-00	M20×1
6405-9140-30	M1.4x0.3	6405-0111-00	M11×1	6405-0222-50	M22×2.5
6405-9160-35	M1.6x0.35	6405-0121-75	M12x1.75	6405-0222-00	M22x2
6405-9180-35	M1.8x0.35	6405-0121-50	M12×1.5	6405-0221-50	M22x1.5
6405-9200-40	M2x0.4	6405-0121-25	M12x1.25	6405-0221-00	M22x1
6405-9200-40	M2.3x0.4	6405-0121-00	M12×1	6405-0243-00	M24x3
6405-9250-45	M2.5x0.45	6405-0131-50	M13x1.5	6405-0242-00	M24x2
6405-9260-45	M2.6x0.45	6405-0131-00	M13×1	6405-0241-50	M24x1.5
6405-9300-45	M3x0.5	6405-0142-00	M14x2	6405-0241-00	M24x1
6405-9350-60	M3.5x0.6	6405-0141-50	M14×1.5	6405-0251-50	M25x1.5
6405-9400-70	M4x0.7	6405-0141-25	M14x1.25	6405-0251-00	M25x1
6405-9400-50	M4x0.5	6405-0141-00	M14x1	6405-0261-50	M26x1.5
6405-9450-75	M4.5x0.75	6405-0151-50	M15x1.5	6405-0273-00	M27x3
6405-9500-80	M5x0.8	6405-0151-00	M15×1	6405-0272-00	M27x2
6405-9500-50	M5x0.5	6405-0162-00	M16×2	6405-0271-50	M27x1.5
6405-9550-50	M5.5x0.5	6405-0161-50	M16×1.5	6405-0271-00	M27x1
6405-9601-00	M6x1	6405-0161-00	M16×1	6405-0282-00	M28x2
6405-9600-75	M6x0.75	6405-0171-50	M17×1.5	6405-0281-50	M28x1.5
6405-9701-00	M7x1	6405-0171-00	M17x1	6405-0281-00	M28x1
6405-9801-25	M8x1.25	6405-0182-50	M18×2.5	6405-0303-50	M30x3.5
6405-9801-00	M8x1	6405-0182-00	M18x2	6405-0303-00	M30x3
6405-9901-25	M9x1.25	6405-0181-50	M18×1.5	6405-0302-00	M30x2
6405-9901-00	M9x1	6405-0181-00	M18x1	6405-0301-50	M30x1.5
6405-0101-50	M10x1.5	6405-0202-50	M20×2.5	6405-0301-00	M30x1

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Unit:mm

Code	Size	Code	Size	Code	Size
6405-0323-00	M32x2	6405-0483-00	M48x3	6405-0643-00	M64x3
6405-0321-50	M32x1.5	6405-0482-00	M48x2	6405-0642-00	M64x2
6405-0333-50	M33x3.5	6405-0481-50	M48x1.5	6405-0641-50	M64x1.5
6405-0333-00	M33x3	6405-0481-00	M48x1	6405-0641-00	M64x1
6405-0332-00	M33x2	6405-0503-00	M50x3	6405-0654-00	M65x4
6405-0331-50	M33x1.5	6405-0502-00	M50x2	6405-0653-00	M65x3
6405-0331-00	M33x1	6405-0501-50	M50x1.5	6405-0652-00	M65x2
6405-0351-50	M35x1.5	6405-0524-00	M52x5	6405-0651-50	M65x1.5
6405-0351-00	M35x1	6405-0523-00	M52x4	6405-0684-00	M68x4
6405-0364-00	M36x4	6405-0524-00	M52x3	6405-0683-00	M68x3
6405-0363-00	M36x3	6405-0522-00	M52x2	6405-0682-00	M68x2
6405-0362-00	M36x2	6405-0521-50	M52x1.5	6405-0681-50	M68x1.5
6405-0361-50	M36x1.5	6405-0521-00	M52x1	6405-0681-00	M68x1
6405-0361-00	M36x1	6405-0554-00	M55x4	6405-0704-00	M70x4
6405-0381-50	M38x1.5	6405-0553-00	M55x3	6405-0703-00	M70x3
6405-0394-00	M39x4	6405-0552-00	M55x2	6405-0702-00	M70x2
6405-0393-00	M39x3	6405-0551-50	M55x1.5	6405-0701-50	M70x1.5
6405-0392-00	M39x2	6405-0564-00	M56x4	6405-0724-00	M72x4
6405-0391-50	M39x1.5	6405-0563-00	M56x3	6405-0723-00	M72x3
6405-0391-00	M39x1	6405-0562-00	M56x2	6405-0722-00	M72x2
6405-0403-00	M40x3	6405-0561-50	M56x1.5	6405-0721-50	M72x1.5
6405-0402-00	M40x2	6405-0561-00	M56x1	6405-0753-00	M75x3
6405-0401-50	M40x1.5	6405-0583-00	M58x4	6405-0752-00	M75x2
6405-0424-50	M42x4.5	6405-0584-00	M58x3	6405-0751-50	M75x1.5
6405-0424-00	M42x4	6405-0582-00	M58x2	6405-0763-00	M76x3
6405-0423-00	M42x3	6405-0581-50	M58x1.5	6405-0762-00	M76x2
6405-0422-00	M42x2	6405-0604-00	M60x4	6405-0761-50	M76x1.5
6405-0421-50	M42x1.5	6405-0603-00	M60x3	6405-0782-00	M78x2
6405-0421-00	M42x1	6405-0602-00	M60x2	6405-0804-00	M80x4
6405-0454-00	M45x4	6405-0601-50	M60x1.5	6405-0803-00	M80x3
6405-0453-00	M45x3	6405-0601-00	M60x1	6405-0802-00	M80x2
6405-0452-00	M45x2	6405-0624-00	M62x4	6405-0801-50	M80x1.5
6405-0451-50	M45x1.5	6405-0623-00	M62x3	6405-0822-00	M82x2
6405-0451-00	M45x1	6405-0622-00	M62x2	6405-0854-00	M85x4
6405-0483-00	M48x5	6405-0621-50	M62x1.5	6405-0853-00	M85x3
6405-0484-00	M48x4	6405-0644-00	M64x4	6405-0852-00	M85x2

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Unit:mm

Code	Size	Code	Size	Code	Size
6405-0851-50	M85x1.5	6405-1153-00	M115x3	6405-1452-00	M145x2
6405-0904-00	M90x4	6405-1152-00	M115x2	6405-1504-00	M150x4
6405-0903-00	M90x3	6405-1151-50	M115x1.5	6405-1503-00	M150x3
6405-0902-00	M90x2	6405-1204-00	M120x4	6405-1502-00	M150x2
6405-0901-50	M90x1.5	6405-1203-00	M120x3	6405-1554-00	M155x4
6405-0954-00	M95x4	6405-1202-00	M120x2	6405-1553-00	M155x3
6405-0953-00	M95x3	6405-1201-50	M120x1.5	6405-1552-00	M155x2
6405-0952-00	M95x2	6405-1254-00	M125x4	6405-1604-00	M160x4
6405-0951-50	M95x1.5	6405-1253-00	M125x3	6405-1603-00	M160x3
6405-1004-00	M100x4	6405-1252-00	M125x2	6405-1602-00	M160x2
6405-1003-00	M100x3	6405-1251-50	M125x1.5	6405-1654-00	M165x4
6405-1002-00	M100x2	6405-1304-00	M130x4	6405-1653-00	M165x3
6405-1001-50	M100x1.5	6405-1303-00	M130x3	6405-1652-00	M165x2
6405-1054-00	M105x4	6405-1302-00	M130x2	6405-1704-00	M170x4
6405-1053-00	M105x3	6405-1354-00	M135x4	6405-1703-00	M170x3
6405-1052-00	M105x2	6405-1353-00	M135x3	6405-1702-00	M170x2
6405-1051-50	M105x1.5	6405-1352-00	M135x2	6405-1754-00	M175x4
6405-1104-00	M110x4	6405-1404-00	M140x4	6405-1753-00	M175x3
6405-1103-00	M110x3	6405-1403-00	M140x3	6405-1752-00	M175x2
6405-1102-00	M110x2	6405-1402-00	M140x2	6405-1804-00	M180x4
6405-1101-50	M110x1.5	6405-1454-00	M145x4	6405-1803-00	M180x3
6405-1154-00	M115x4	6405-1453-00	M145x3	6405-1802-00	M180x2

NO GO

Unit:mm

Code	Size	Code	Size	Code	Size
6406-9100-25	M1x0.25	6406-9400-70	M4x0.7	6406-9901-00	M9x1
6406-9110-25	M1.1x0.25	6406-9400-50	M4x0.5	6406-0101-50	M10x1.5
6406-9120-25	M1.2x0.25	6406-9450-75	M4.5x0.75	6406-0101-25	M10x1.25
6406-9140-30	M1.4x0.3	6406-9500-80	M5x0.8	6406-0101-00	M10x1
6406-9160-35	M1.6x0.35	6406-9500-50	M5x0.5	6406-0111-50	M11×1.5
6406-9180-35	M1.8x0.35	6406-9550-50	M5.5x0.5	6406-0111-00	M11×1
6406-9200-40	M2x0.4	6406-9601-00	M6x1	6406-0121-75	M12x1.75
6406-9200-40	M2.3x0.4	6406-9600-75	M6x0.75	6406-0121-50	M12×1.5
6406-9250-45	M2.5x0.45	6406-9701-00	M7x1	6406-0121-25	M12x1.25
6406-9260-45	M2.6x0.45	6406-9801-25	M8x1.25	6406-0121-00	M12×1
6406-9300-45	M3x0.5	6406-9801-00	M8x1	6406-0131-50	M13x1.5
6406-9350-60	M3.5x0.6	6406-9901-25	M9x1.25	6406-0131-00	M13×1

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NO GO Unit:mm

Code	Size	Code	Size	Code	Size
6406-0142-00	M14x2	6406-0281-00	M28x1	6406-0453-00	M45x3
6406-0141-50	M14×1.5	6406-0303-50	M30x3.5	6406-0452-00	M45x2
6406-0141-25	M14x1.25	6406-0303-00	M30x3	6406-0451-50	M45x1.5
6406-0141-00	M14x1	6406-0302-00	M30x2	6406-0451-00	M45x1
6406-0151-50	M15x1.5	6406-0301-50	M30x1.5	6406-0483-00	M48x5
6406-0151-00	M15×1	6406-0301-00	M30x1	6406-0484-00	M48x4
6406-0162-00	M16×2	6406-0323-00	M32x2	6406-0483-00	M48x3
6406-0161-50	M16×1.5	6406-0321-50	M32x1.5	6406-0482-00	M48x2
6406-0161-00	M16×1	6406-0333-50	M33x3.5	6406-0481-50	M48x1.5
6406-0171-50	M17×1.5	6406-0333-00	M33x3	6406-0481-00	M48x1
6406-0171-00	M17x1	6406-0332-00	M33x2	6406-0503-00	M50x3
6406-0182-50	M18×2.5	6406-0331-50	M33x1.5	6406-0502-00	M50x2
6406-0182-00	M18x2	6406-0331-00	M33x1	6406-0501-50	M50x1.5
6406-0181-50	M18×1.5	6406-0351-50	M35x1.5	6406-0524-00	M52x5
6406-0181-00	M18x1	6406-0351-00	M35x1	6406-0523-00	M52x4
6406-0202-50	M20×2.5	6406-0364-00	M36x4	6406-0524-00	M52x3
6406-0202-00	M20×2	6406-0363-00	M36x3	6406-0522-00	M52x2
6406-0201-50	M20×1.5	6406-0362-00	M36x2	6406-0521-50	M52x1.5
6406-0201-00	M20×1	6406-0361-50	M36x1.5	6406-0521-00	M52x1
6406-0222-50	M22×2.5	6406-0361-00	M36x1	6406-0554-00	M55x4
6406-0222-00	M22x2	6406-0381-50	M38x1.5	6406-0553-00	M55x3
6406-0221-50	M22x1.5	6406-0394-00	M39x4	6406-0552-00	M55x2
6406-0221-00	M22x1	6406-0393-00	M39x3	6406-0551-50	M55x1.5
6406-0243-00	M24x3	6406-0392-00	M39x2	6406-0564-00	M56x4
6406-0242-00	M24x2	6406-0391-50	M39x1.5	6406-0563-00	M56x3
6406-0241-50	M24x1.5	6406-0391-00	M39x1	6406-0562-00	M56x2
6406-0241-00	M24x1	6406-0403-00	M40x3	6406-0561-50	M56x1.5
6406-0251-50	M25x1.5	6406-0402-00	M40x2	6406-0561-00	M56x1
6406-0251-00	M25x1	6406-0401-50	M40x1.5	6406-0583-00	M58x4
6406-0261-50	M26x1.5	6406-0424-50	M42x4.5	6406-0584-00	M58x3
6406-0273-00	M27x3	6406-0424-00	M42x4	6406-0582-00	M58x2
6406-0272-00	M27x2	6406-0423-00	M42x3	6406-0581-50	M58x1.5
6406-0271-50	M27x1.5	6406-0422-00	M42x2	6406-0604-00	M60x4
6406-0271-00	M27x1	6406-0421-50	M42x1.5	6406-0603-00	M60x3
6406-0282-00	M28x2	6406-0421-00	M42x1	6406-0602-00	M60x2
6406-0281-50	M28x1.5	6406-0454-00	M45x4	6406-0601-50	M60x1.5

NO GO Unit:mm

Code	Size	Code	Size	Code	Size
6406-0601-00	M60x1	6406-0802-00	M80x2	6406-1253-00	M125x3
6406-0624-00	M62x4	6406-0801-50	M80x1.5	6406-1252-00	M125x2
6406-0623-00	M62x3	6406-0822-00	M82x2	6406-1251-50	M125x1.5
6406-0622-00	M62x2	6406-0854-00	M85x4	6406-1304-00	M130x4
6406-0621-50	M62x1.5	6406-0853-00	M85x3	6406-1303-00	M130x3
6406-0644-00	M64x4	6406-0852-00	M85x2	6406-1302-00	M130x2
6406-0643-00	M64x3	6406-0851-50	M85x1.5	6406-1354-00	M135x4
6406-0642-00	M64x2	6406-0904-00	M90x4	6406-1353-00	M135x3
6406-0641-50	M64x1.5	6406-0903-00	M90x3	6406-1352-00	M135x2
6406-0641-00	M64x1	6406-0902-00	M90x2	6406-1404-00	M140x4
6406-0654-00	M65x4	6406-0901-50	M90x1.5	6406-1403-00	M140x3
6406-0653-00	M65x3	6406-0954-00	M95x4	6406-1402-00	M140x2
6406-0652-00	M65x2	6406-0953-00	M95x3	6406-1454-00	M145x4
6406-0651-50	M65x1.5	6406-0952-00	M95x2	6406-1453-00	M145x3
6406-0684-00	M68x4	6406-0951-50	M95x1.5	6406-1452-00	M145x2
6406-0683-00	M68x3	6406-1004-00	M100x4	6406-1504-00	M150x4
6406-0682-00	M68x2	6406-1003-00	M100x3	6406-1503-00	M150x3
6406-0681-50	M68x1.5	6406-1002-00	M100x2	6406-1502-00	M150x2
6406-0681-00	M68x1	6406-1001-50	M100x1.5	6406-1554-00	M155x4
6406-0704-00	M70x4	6406-1054-00	M105x4	6406-1553-00	M155x3
6406-0703-00	M70x3	6406-1053-00	M105x3	6406-1552-00	M155x2
6406-0702-00	M70x2	6406-1052-00	M105x2	6406-1604-00	M160x4
6406-0701-50	M70x1.5	6406-1051-50	M105x1.5	6406-1603-00	M160x3
6406-0724-00	M72x4	6406-1104-00	M110x4	6406-1602-00	M160x2
6406-0723-00	M72x3	6406-1103-00	M110x3	6406-1654-00	M165x4
6406-0722-00	M72x2	6406-1102-00	M110x2	6406-1653-00	M165x3
6406-0721-50	M72x1.5	6406-1101-50	M110x1.5	6406-1652-00	M165x2
6406-0753-00	M75x3	6406-1154-00	M115x4	6406-1704-00	M170x4
6406-0752-00	M75x2	6406-1153-00	M115x3	6406-1703-00	M170x3
6406-0751-50	M75x1.5	6406-1152-00	M115x2	6406-1702-00	M170x2
6406-0763-00	M76x3	6406-1151-50	M115x1.5	6406-1754-00	M175x4
6406-0762-00	M76x2	6406-1204-00	M120x4	6406-1753-00	M175x3
6406-0761-50	M76x1.5	6406-1203-00	M120x3	6406-1752-00	M175x2
6406-0782-00	M78x2	6406-1202-00	M120x2	6406-1804-00	M180x4
6406-0804-00	M80x4	6406-1201-50	M120x1.5	6406-1803-00	M180x3
6406-0803-00	M80x3	6406-1254-00	M125x4	6406-1802-00	M180x2

THREAD RING GAUGES

ANSI-Inch

ANSI B1.2

- With Go&No-Go ends
- Grade 2A
- Strictly made in accordance with ANSI B1.2
- Made of premium steel, hardened, cryogenic treatment
- Stable product dimensions, superior surface finish, wear resistance for long service life
- With inspection certificate

Go Unit:mm

Code	Size	Code	Size	Code	Size
6411-0000-80	No.0-80UNF	**6411-0014-32**	1/4-32UNEF	**6411-0058-18**	5/8-18UNF
6411-0010-64	No.1-64UNC	**6411-0053-18**	5/16-18UNC	**6411-0058-24**	5/8-24UNEF
6411-0020-56	No.2-56UNC	**6411-0053-24**	5/16-24UNF	**6411-0173-24**	1-1/16-24UNEF
6411-0030-48	No.3-48UNC	**6411-0053-32**	5/16-32UNEF	**6411-0034-10**	3/4-10UNC
6411-0040-40	No.4-40UNC	**6411-0038-16**	3/8-16UNC	**6411-0034-16**	3/4-16UNF
6411-0050-40	No.5-40UNC	**6411-0038-24**	3/8-24UNF	**6411-0034-20**	3/4-20UNEF
6411-0060-32	No.6-32UNC	**6411-0038-32**	3/8-32UNEF	**6411-0193-20**	1-3/16-20UNEF
6411-0070-40	No.6-40UNF	**6411-0073-14**	7/16-14UNC	**6411-0078-09**	7/8-9UNC
6411-0080-32	No.8-32UNC	**6411-0073-20**	7/16-20UNF	**6411-0078-14**	7/8-14UNF
6411-0080-36	No.8-36UNF	**6411-0073-28**	7/16-28UNEF	**6411-0078-20**	7/8-20UNEF
6411-0100-24	No.10-24UNC	**6411-0012-13**	1/2-13UNC	**6411-0213-20**	1-5/16-20UNEF
6411-0100-32	No.10-32UNF	**6411-0012-20**	1/2-20UNF	**6411-0011-08**	1-8UNC
6411-0120-24	No.12-24UNC	**6411-0012-28**	1/2-28UNEF	**6411-0011-12**	1-12UNF
6411-0120-28	No.12-28UNF	**6411-0093-12**	9/16-12UNC	**6411-0011-20**	1-20UNEF
6411-0120-32	No.12-32UNEF	**6411-0093-18**	9/16-18UNF	**6411-0173-18**	1-1/16-18UNEF
6411-0014-20	1/4-20UNC	**6411-0093-24**	9/16-24UNEF	**6411-0098-07**	1-1/8-7UNC
6411-0014-28	1/4-28UNF	**6411-0058-11**	5/8-11UNC	**6411-0098-12**	1-1/8-12UNF

Go Unit:mm

Code	Size	Code	Size	Code	Size
6411-0098-18	1-1/8-18UNEF	**6411-0094-45**	2-1/4-4.5UNC	**6411-0041-04**	4-4UNC
6411-0193-18	1-3/16-18UNEF	**6411-0094-12**	2-1/4-12UN	**6411-0041-12**	4-12UN
6411-0054-07	1-1/4-7UNC	**6411-0094-16**	2-1/4-16UN	**6411-0041-16**	4-16UN
6411-0054-12	1-1/4-12UNF	**6411-0198-12**	2-3/8-12UN	**6411-0338-12**	4-1/8-12UN
6411-0054-18	1-1/4-18UNEF	**6411-0198-16**	2-3/8-16UN	**6411-0338-16**	4-1/8-16UN
6411-0213-18	1-5/16-18UNEF	**6411-0052-04**	2-1/2-4UNC	**6411-0174-12**	4-1/4-12UN
6411-0118-6	1-3/8-6UNC	**6411-0052-12**	2-1/2-12UN	**6411-0174-16**	4-1/4-16UN
6411-0118-12	1-3/8-12UNF	**6411-0052-16**	2-1/2-16UN	**6411-0358-12**	4-3/8-12UN
6411-0118-18	1-3/8-18UNEF	**6411-0218-12**	2-5/8-12UN	**6411-0358-16**	4-3/8-16UN
6411-0233-18	1-7/16-18UNEF	**6411-0218-16**	2-5/8-16UN	**6411-0092-12**	4-1/2-12UN
6411-0032-06	1-1/2-6UNC	**6411-0114-04**	2-3/4-4UNC	**6411-0092-16**	4-1/2-16UN
6411-0032-12	1-1/2-12UNF	**6411-0114-12**	2-3/4-12UN	**6411-0378-12**	4-5/8-12UN
6411-0032-18	1-1/2-18UNEF	**6411-0114-16**	2-3/4-16UN	**6411-0378-16**	4-5/8-16UN
6411-0253-18	1-9/16-18UNEF	**6411-0238-12**	2-7/8-12UN	**6411-0194-12**	4-3/4-12UN
6411-0138-18	1-5/8-18UNEF	**6411-0238-16**	2-7/8-16UN	**6411-0194-16**	4-3/4-16UN
6411-0173-18	1-1/16-18UNEF	**6411-0031-04**	3-4UNC	**6411-0398-12**	4-7/8-12UN
6411-0074-05	1-3/4-5UNC	**6411-0031-12**	3-12UN	**6411-0398-16**	4-7/8-16UN
6411-0074-12	1-3/4-12UN	**6411-0031-16**	3-16UN	**6411-0051-12**	5-12UN
6411-0074-16	1-3/4-16UN	**6411-0258-12**	3-1/8-12UN	**6411-0051-16**	5-16UN
6411-0074-20	1-3/4-20UN	**6411-0258-16**	3-1/8-16UN	**6411-0418-12**	5-1/8-12UN
6411-0193-12	1-3/16-12UN	**6411-0134-04**	3-1/4-4UNC	**6411-0418-16**	5-1/8-16UN
6411-0193-16	1-3/16-16UN	**6411-0134-12**	3-1/4-12UN	**6411-0214-12**	5-1/4-12UN
6411-0193-20	1-3/16-20UN	**6411-0134-16**	3-1/4-16UN	**6411-0214-16**	5-1/4-16UN
6411-0158-12	1-7/8-12UN	**6411-0278-12**	3-3/8-12UN	**6411-0438-12**	5-3/8-12UN
6411-0158-16	1-7/8-16UN	**6411-0278-16**	3-3/8-16UN	**6411-0438-16**	5-3/8-16UN
6411-0158-20	1-7/8-20UN	**6411-0072-04**	3-1/2-4UNC	**6411-0112-12**	5-1/2-12UN
6411-0213-12	1-5/16-12UN	**6411-0072-12**	3-1/2-12UN	**6411-0112-16**	5-1/2-16UN
6411-0213-16	1-5/16-16UN	**6411-0072-16**	3-1/2-16UN	**6411-0458-12**	5-5/8-12UN
6411-0213-20	1-5/16-20UN	**6411-0298-12**	3-5/8-12UN	**6411-0458-16**	5-5/8-16UN
6411-0021-45	2-4.5UNC	**6411-0294-16**	3-5/8-16UN	**6411-0234-12**	5-3/4-12UN
6411-0021-12	2-12UN	**6411-0154-04**	3-3/4-4UNC	**6411-0234-16**	5-3/4-16UN
6411-0021-16	2-16UN	**6411-0154-12**	3-3/4-12UN	**6411-0478-12**	5-7/8-12UN
6411-0021-20	2-20UN	**6411-0154-16**	3-3/4-16UN	**6411-0478-16**	5-7/8-16UN
6411-0178-12	2-1/8-12UN	**6411-0318-12**	3-7/8-12UN	**6411-0061-12**	6-12UN
6411-0178-16	2-1/8-16UN	**6411-0318-16**	3-7/8-16UN	**6411-0061-16**	6-16UN

.....TO BE CONTINUED

CONTINUED FROM PREVIOUS PAGE.....

NO GO

Unit:mm

Code	Size	Code	Size	Code	Size
6412-0000-80	No.0-80UNF	6412-0173-24	1-1/16-24UNEF	412-0193-16	1-3/16-16UN
6412-0010-64	No.1-64UNC	6412-0034-10	3/4-10UNC	6412-0193-20	1-3/16-20UN
6412-0020-56	No.2-56UNC	6412-0034-16	3/4-16UNF	6412-0158-12	1-7/8-12UN
6412-0030-48	No.3-48UNC	6412-0034-20	3/4-20UNEF	6412-0158-16	1-7/8-16UN
6412-0040-40	No.4-40UNC	6412-0193-20	1-3/16-20UNEF	6412-0158-20	1-7/8-20UN
6412-0050-40	No.5-40UNC	6412-0078-09	7/8-9UNC	6412-0213-12	1-5/16-12UN
6412-0060-32	No.6-32UNC	6412-0078-14	7/8-14UNF	6412-0213-16	1-5/16-16UN
6412-0070-40	No.6-40UNF	6412-0078-20	7/8-20UNEF	6412-0213-20	1-5/16-20UN
6412-0080-32	No.8-32UNC	6412-0213-20	1-5/16-20UNEF	6412-0021-45	2-4.5UNC
6412-0080-36	No.8-36UNF	6412-0011-08	1-8UNC	6412-0021-12	2-12UN
6412-0100-24	No.10-24UNC	6412-0011-12	1-12UNF	6412-0021-16	2-16UN
6412-0100-32	No.10-32UNF	6412-0011-20	1-20UNEF	6412-0021-20	2-20UN
6412-0120-24	No.12-24UNC	6412-0173-18	1-1/16-18UNEF	6412-0178-12	2-1/8-12UN
6412-0120-28	No.12-28UNF	6412-0098-07	1-1/8-7UNC	6412-0178-16	2-1/8-16UN
6412-0120-32	No.12-32UNEF	6412-0098-12	1-1/8-12UNF	6412-0094-45	2-1/4-4.5UNC
6412-0014-20	1/4-20UNC	6412-0098-18	1-1/8-18UNEF	6412-0094-12	2-1/4-12UN
6412-0014-28	1/4-28UNF	6412-0193-18	1-3/16-18UNEF	6412-0094-16	2-1/4-16UN
6412-0014-32	1/4-32UNEF	6412-0054-07	1-1/4-7UNC	6412-0198-12	2-3/8-12UN
6412-0053-18	5/16-18UNC	6412-0054-12	1-1/4-12UNF	6412-0198-16	2-3/8-16UN
6412-0053-24	5/16-24UNF	6412-0054-18	1-1/4-18UNEF	6412-0052-04	2-1/2-4UNC
6412-0053-32	5/16-32UNEF	6412-0213-18	1-5/16-18UNEF	6412-0052-12	2-1/2-12UN
6412-0038-16	3/8-16UNC	6412-0118-6	1-3/8-6UNC	6412-0052-16	2-1/2-16UN
6412-0038-24	3/8-24UNF	6412-0118-12	1-3/8-12UNF	6412-0218-12	2-5/8-12UN
6412-0038-32	3/8-32UNEF	6412-0118-18	1-3/8-18UNEF	6412-0218-16	2-5/8-16UN
6412-0073-14	7/16-14UNC	6412-0233-18	1-7/16-18UNEF	6412-0114-04	2-3/4-4UNC
6412-0073-20	7/16-20UNF	6412-0032-06	1-1/2-6UNC	6412-0114-12	2-3/4-12UN
6412-0073-28	7/16-28UNEF	6412-0032-12	1-1/2-12UNF	6412-0114-16	2-3/4-16UN
6412-0012-13	1/2-13UNC	6412-0032-18	1-1/2-18UNEF	6412-0238-12	2-7/8-12UN
6412-0012-20	1/2-20UNF	6412-0253-18	1-9/16-18UNEF	6412-0238-16	2-7/8-16UN
6412-0012-28	1/2-28UNEF	6412-0138-18	1-5/8-18UNEF	6412-0031-04	3-4UNC
6412-0093-12	9/16-12UNC	6412-0173-18	1-1/16-18UNEF	6412-0031-12	3-12UN
6412-0093-18	9/16-18UNF	6412-0074-05	1-3/4-5UNC	6412-0031-16	3-16UN
6412-0093-24	9/16-24UNEF	6412-0074-12	1-3/4-12UN	6412-0258-12	3-1/8-12UN
6412-0058-11	5/8-11UNC	6412-0074-16	1-3/4-16UN	6412-0258-16	3-1/8-16UN
6412-0058-18	5/8-18UNF	6412-0074-20	1-3/4-20UN	6412-0134-04	3-1/4-4UNC
6412-0058-24	5/8-24UNEF	6412-0193-12	1-3/16-12UN	6412-0134-12	3-1/4-12UN

NO GO

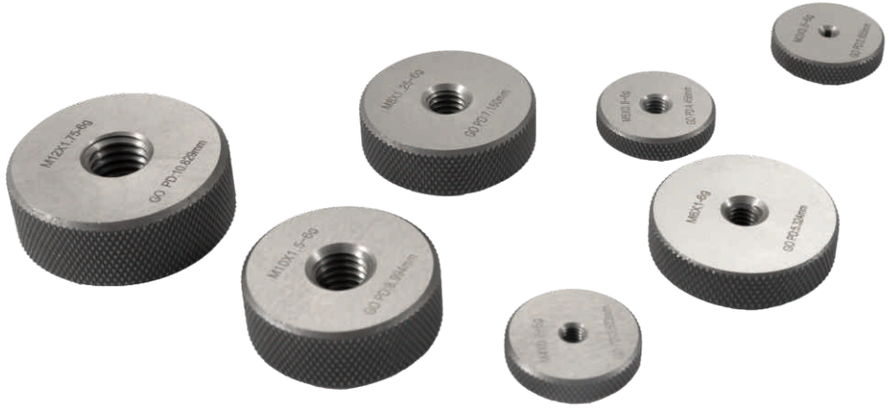
Unit:mm

Code	Size	Code	Size	Code	Size
6412-0134-16	3-1/4-16UN	6412-0338-12	4-1/8-12UN	6412-0418-12	5-1/8-12UN
6412-0278-12	3-3/8-12UN	6412-0338-16	4-1/8-16UN	6412-0418-16	5-1/8-16UN
6412-0278-16	3-3/8-16UN	6412-0174-12	4-1/4-12UN	6412-0214-12	5-1/4-12UN
6412-0072-04	3-1/2-4UNC	6412-0174-16	4-1/4-16UN	6412-0214-16	5-1/4-16UN
6412-0072-12	3-1/2-12UN	6412-0358-12	4-3/8-12UN	6412-0438-12	5-3/8-12UN
6412-0072-16	3-1/2-16UN	6412-0358-16	4-3/8-16UN	6412-0438-16	5-3/8-16UN
6412-0298-12	3-5/8-12UN	6412-0092-12	4-1/2-12UN	6412-0112-12	5-1/2-12UN
6412-0294-16	3-5/8-16UN	6412-0092-16	4-1/2-16UN	6412-0112-16	5-1/2-16UN
6412-0154-04	3-3/4-4UNC	6412-0378-12	4-5/8-12UN	6412-0458-12	5-5/8-12UN
6412-0154-12	3-3/4-12UN	6412-0378-16	4-5/8-16UN	6412-0458-16	5-5/8-16UN
6412-0154-16	3-3/4-16UN	6412-0194-12	4-3/4-12UN	6412-0234-12	5-3/4-12UN
6412-0318-12	3-7/8-12UN	6412-0194-16	4-3/4-16UN	6412-0234-16	5-3/4-16UN
6412-0318-16	3-7/8-16UN	6412-0398-12	4-7/8-12UN	6412-0478-12	5-7/8-12UN
6412-0041-04	4-4UNC	6412-0398-16	4-7/8-16UN	6412-0478-16	5-7/8-16UN
6412-0041-12	4-12UN	6412-0051-12	5-12UN	6412-0061-12	6-12UN
6412-0041-16	4-16UN	6412-0051-16	5-16UN	6412-0061-16	6-16UN

7PCS THREAD RING GAUGE SET GO & NO-GO

BEST SELLER

DIN ISO 1502 ANSI B1.2



- Strictly made in accordance with DIN ISO 1502
- Strictly made in accordance with ANSI B1.2
- 7pcs go or no-go thread ring gauges of different size
- Measuring faces hardened, ground and lapped
- Made of premium steel, hardened, cryogenic treatment
- Stable product dimensions, superior surface finish, wear resistance for long service life

Unit:mm

Code	Including	Style
6311-3205	M3,M4,M5,M6,M8,M10,M12	Go Ring Gauge
6311-3203	M3,M4,M5,M6,M8,M10,M12	No-Go Ring Gauge
6311-3105	6-32UNC,8-32UNC,10-24UNC,12-24UNC,1/4"-20UNC, 3/8"-16UNC,1/2"-13UNC	Go Ring Gauge
6311-3106	6-32UNC,8-32UNC,10-24UNC,12-24UNC,1/4"-20UNC, 3/8"-16UNC,1/2"-13UNC	No-Go Ring Gauge

7PCS THREAD PLUG GAUGE SET GO&NO-GO

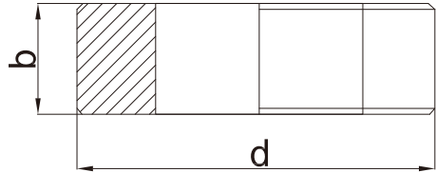
DIN ISO 1502 ANSI B1.2

- Strictly made in accordance with DIN ISO 1502
- Strictly made in accordance with ANSI B1.2
- 7pcs go or no-go thread plug gauges of different size
- Measuring faces hardened, ground and lapped
- Made of premium steel, hardened, cryogenic treatment
- Stable product dimensions, superior surface finish, wear resistance for long service life

Unit:mm

Code	Including	Style
6311-3202	M3,M4,M5,M6,M8,M10,M12	Go & No-Go Plug Gauge
6311-3110	6-32UNC,8-32UNC,10-24UNC,12-24UNC,1/4"-20UNC, 3/8"-16UNC,1/2"-13UNC	Go & No-Go Plug Gauge

PLAIN RING GAUGE



- Strictly made in accordance with DIN ISO 1502
- Stable product dimensions, superior surface finish, wear resistance for long service life
- Made of premium steel, hardened, cryogenic treatment
- With inspection certificate

Unit:mm

Size	b	d	Size Difference	Roundness and cylindricity
1.5-2.5	4	22	±10μm	0.5μm
2.5-3	4	22	±10μm	0.5μm
3-5	5	22	±10μm	0.5μm
5-10	8	32	±10μm	0.5μm
10-15	10	38	±10μm	0.5μm
15-18	12	45	±10μm	0.5μm
18-20	12	45	±10μm	0.5μm
20-25	14	53	±10μm	0.5μm
25-30	16	63	±10μm	0.5μm
30-32	16	63	±10μm	0.8μm
32-40	18	71	±10μm	0.8μm
40-50	20	85	±10μm	0.8μm
50-60	20	100	±10μm	0.8μm
60-70	24	112	±10μm	0.8μm
70-80	24	125	±10μm	0.8μm
80-90	24	140	±10μm	1.0μm
90-100	24	160	±10μm	1.0μm
100-110	30	8	±10μm	1.0μm
110-130	34	10	±10μm	1.0μm
130-150	34	10	±10μm	1.0μm
150-170	36	10	±10μm	2.5μm
170-200	36	10	±10μm	2.5μm

Unit:mm

Code	Range	Code	Range	Code	Range
6312-0015	1.5mm	6312-0140	14mm	6312-0800	80mm
6312-0020	2mm	6312-0145	14.5mm	6312-0850	85mm
6312-0025	2.5mm	6312-0150	15mm	6312-0870	87mm
6312-0030	3mm	6312-0155	15.5mm	6312-0900	90mm
6312-0035	3.5mm	6312-0160	16mm	6312-0950	95mm
6312-0040	4mm	6312-0165	16.5mm	6312-1000	100mm
6312-0045	4.5mm	6312-0170	17mm	6312-1100	110mm
6312-0050	5mm	6312-0175	17.5mm	6312-1200	120mm
6312-0055	5.5mm	6312-0180	18mm	6312-1250	125mm
6312-0060	6mm	6312-0185	18.5mm	6312-1300	130mm
6312-0065	6.5mm	6312-0190	19mm	6312-1400	140mm
6312-0070	7mm	6312-0195	19.5mm	6312-1500	150mm
6312-0075	7.5mm	6312-0200	20mm	6312-1700	170mm
6312-0080	8mm	6312-0250	25mm	6312-1750	175mm
6312-0085	8.5mm	6312-0260	26mm	6312-1900	190mm
6312-0090	9mm	6312-0300	30mm	6312-2000	200mm
6312-0095	9.5mm	6312-0350	35mm	6312-2100	210mm
6312-0100	10mm	6312-0400	40mm	6312-2200	220mm
6312-0105	10.5mm	6312-0450	45mm	6312-2300	230mm
6312-0110	11mm	6312-0500	50mm	6312-2400	240mm
6312-0115	11.5mm	6312-0550	55mm	6312-2500	250mm
6312-0120	12mm	6312-0600	60mm	6312-3000	300mm
6312-0125	12.5mm	6312-0650	65mm	6312-4000	400mm
6312-0130	13mm	6312-0700	70mm	6312-5000	500mm
6312-0135	13.5mm	6312-0750	75mm		

PLAIN PLUG GAUGE (GO/NO GO)

- Grade 7H
- With Go&No-Go ends
- With inspection certificate
- Strictly made in accordance with DIN ISO 1502
- Made of premium steel, hardened, cryogenic treatment
- Stable product dimensions, superior surface finish, wear resistance for long service life

Unit:mm

Code	Range	Code	Range
6614-0002	2mm	6614-0022	22mm
6614-0003	3mm	6614-0023	23mm
6614-0004	4mm	6614-0024	24mm
6614-0005	5mm	6614-0025	25mm
6614-0006	6mm	6614-0026	26mm
6614-0008	8mm	6614-0027	27mm
6614-0010	10mm	6614-0028	28mm
6614-0012	12mm	6614-0030	30mm
6614-0013	13mm	6614-0032	32mm
6614-0014	14mm	6614-0035	35mm
6614-0015	15mm	6614-0036	36mm
6614-0016	16mm	6614-0038	38mm
6614-0017	17mm	6614-0040	40mm
6614-0018	18mm	6614-0042	42mm
6614-0019	19mm	6614-0045	45mm
6614-0020	20mm	6614-0046	46mm
6614-0021	21mm	6614-0050	50mm

7PCS PLAIN PLUG GAUGE SET

- Grade 7H
- With Go&No-Go ends
- With inspection certificate
- Strictly made in accordance with DIN ISO 1502
- Made of premium steel, hardened, cryogenic treatment
- Stable product dimensions, superior surface finish, wear resistance for long service life

Unit:mm

Code	Including
6614-1005	3, 4, 5, 6, 8, 10, 12mm H 7

7PCS PLAIN RING GAUGE SET

- With inspection certificate
- Strictly made in accordance with DIN ISO 1502
- Made of premium steel, hardened, cryogenic treatment
- Stable product dimensions, superior surface finish, wear resistance for long service life

Unit:mm

Code	Including
6312-1005	3, 4, 5, 6, 8, 10, 12mm

CERAMIC GAUGE BLOCK SET

DIN ISO 3650

PURPOSE

Grade 0: Mainly used in calibration laboratory by specialized inspection staff,as reference standards for calibration of high precision measuring equipment and grade 1 and 2 gauge blocks

Grade 1: Mainly used in laboratory to inspect high precision workpiece, gauge blocks and set measuring equipment

- Hardness 1350HV
- High stability of material
- Non-magnetic and non-conductive, can be used under specific conditions
- Made of ceramic materials with high hardness, wear resistance, and long service life which is 5-10 times of steel gauge block, 4-5 times of carbide
- Corrosion resistant, anti-corrosion treatment is unnecessary when handle normally
- Superior fine material, high precision ground, smooth and flat surface, high wringing force
- Strictly made in accordance with DIN ISO 3650

Unit:mm

Code	Grade	Piece/Set	Size	Step	Piece
6221-5232	1	32	1.005	/	1
			1.01-1.09	0.01	9
			1.1-1.9	0.1	9
6220-5232	0		1-9	1	9
			10-30	10	3
			50	/	1
6221-5246	1	46	1.001-1.009	0.001	9
			1.01-1.09	0.01	9
			1.1-1.9	0.1	9
6220-5246	0		1-9	1	9
			10-100	10	10
6221-5247	1	47	1.005	/	1
			1.01-1.19	0.01	19
			1.2-1.9	0.1	8
6220-5247	0		1-9	1	9
			10-100	10	10
6221-5287	1	87	1.001-1.009	0.001	9
			1.01-1.49	0.01	49
6220-5287	0		0.5-9.5	0.5	19
			10-100	10	10
6221-5103	1	103	1.005	/	1
			1.01-1.49	0.01	49
6220-5103	0		0.5-24.5	0.5	49
			25-100	25	4
6221-5112	1	112	1.0005	/	1
			1.001-1.009	0.001	9
			1.01-1.49	0.01	49
6220-5112	0		0.5-24.5	0.5	49
			25-100	25	4

SOLID CARBIDE GAUGE BLOCK SET

DIN ISO 3650

PURPOSE

Grade 0: Mainly used in calibration laboratory by specialized inspection staff, as reference standards for calibration of high precision measuring equipment and grade 1 and 2 gauge blocks

Grade 1: Mainly used in laboratory to inspect high precision workpiece, gauge blocks and set measuring equipment

Grade 2: Mainly used in workshop to install cutters and workpiece, inspect the gauge block for manufacturing and set measuring equipment

- High quality solid carbide which is harder than steel and ceramic
- Strictly made in accordance with DIN ISO 3650
- Made of carbide, extremely wear resistance and corrosion resistance, excellent dimension stability
- Supplied with manufacturer inspection certificate
- Hardness 89.5HRA

Unit:mm

Code	Grade	Piece/Set	Size	Step	Piece
6341-4232	1	32	1.005	/	1
			1.01-1.09	0.01	9
			1.1-1.9	0.1	9
6340-4232	0		1-9	1	9
			10-30	10	3
			50	/	1
6341-4246	1	46	1.001-1.009	0.001	9
			1.01-1.09	0.01	9
			1.1-1.9	0.1	9
6340-4246	0		1-9	1	9
			10-100	10	10
6341-4247	1	47	1.005	/	1
			1.01-1.19	0.01	19
			1.2-1.9	0.1	8
6340-4247	0		1-9	1	9
			10-100	10	10
6341-4283	1	83	0.5	/	1
			1	/	1
			1.005	/	1
			1.01-1.49	0.01	49
6340-4283	0		1.5-1.9	0.1	5
			2.0-9.5	0.5	16
			10-100	10	10
6341-4287	1	87	1.001-1.009	0.001	9
			1.01-1.49	0.01	49
6340-4287	0		0.5-9.5	0.5	19
			10-100	10	10
6341-4103	1	103	1.005	/	1
			1.01-1.49	0.01	49
6340-4103	0		0.5-24.5	0.5	49
			25-100	25	4
6341-4112	1	112	1.0005	/	1
			1.001-1.009	0.001	9
			1.01-1.49	0.01	49
6340-4112	0		0.5-24.5	0.5	49
			25-100	25	4

CALIBRATION GAUGE BLOCK SET

BORN IN ITALY · BEST SELLER · RAISED BY THE WORLD

MADE OF HIGH-QUALITY STEEL

DIN ISO 3650

- High-carbon, high-chrome steel provides high hardness (⩾63HRC) and wear resistance
- Strictly made in accordance with DIN ISO 3650
- made of high-quality alloy steel
- Edges are slightly lapped for protection

CERTIFICATE

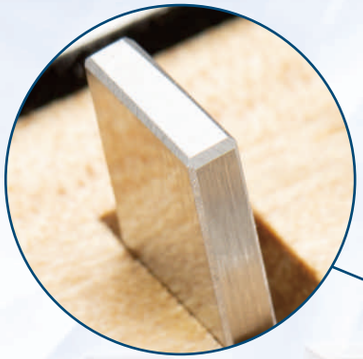
Dasqua

Product name: Gage blocks	Standard: DIN ISO 3650	Set No: 6112-1232 (32PCS)
Type: Rect	Material: Steel	Grade: 2

Nominal Size (mm)	Run out (μm)	Nominal Size (mm)	Run out (μm)	Nominal Size (mm)	Run out (μm)
1.005	+0.32	1.20	+0.20	4	-0.10
1.01	+0.20	1.30	+0.20	5	-0.17
1.02	+0.30	1.40	+0.20	6	-0.10
1.03	+0.10	1.50	-0.18	7	-0.10
1.04	-0.30	1.60	-0.20	8	+0.20
1.05	-0.03	1.70	-0.12	9	-0.17
1.06	-0.20	1.80	+0.30	10	+0.30
1.07	-0.05	1.90	+0.04	20	+0.08
1.08	-0.10	1	-0.20	30	+0.20
1.09	+0.25	2	+0.20	50	-0.19
1.10	+0.25	3	-0.30		

Remarks: Steandard reference temperature:68°F (20°C)
Coefficient of thermal expansion :(11.5±1.0)×10^{-6}/°C

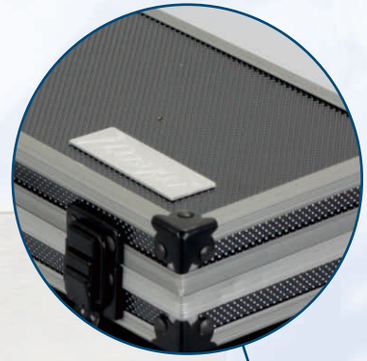
Reported by: David



- Precision ground, mirror polish, heat treatment and cryogenic treatment for all measuring surfaces.

- Stable dimensions with highaccuracy, low surface roughness, high wringing force.

- Provided with fitted Aluminum case



Unit:mm

Code	Grade	Piece/Set	Size	Step	Piece
6110-0010	0	10	1.000-1.009	0.001	10
6111-0010	1		1.000-1.009	0.001	10
6112-0010	2		1.000-1.009	0.001	10
6110-1010	0		0.991-1.000	0.001	10
6111-1010	1		0.991-1.000	0.001	10
6112-1010	2		0.991-1.000	0.001	10
6110-1232	0	32	1.005	/	1
			1.01-1.09	0.01	9
6111-1232	1		1.1-1.9	0.1	9
			1-9	1	9
6112-1232	2		10-30	10	3
			50	/	1
6110-1246	0	46	1.001-1.009	0.001	9
			1.01-1.09	0.01	9
6111-1246	1		1.1-1.9	0.1	9
			1-9	1	9
6112-1246	2		10-100	10	10
6110-1247	0	47	1.005	/	1
			1.01-1.19	0.01	19
6111-1247	1		1.2-1.9	0.1	8
			1-9	1	9
6112-1247	2		10-100	10	10
6110-1283	0	83	0.5	/	1
			1	/	1
			1.005	/	1
6111-1283	1		1.01-1.49	0.01	49
			1.5-1.9	0.1	5
6112-1283	2		2.0-9.5	0.5	16
			10-100	10	10
6110-1287	0	87	1.001-1.009	0.001	9
6111-1287	1		1.01-1.49	0.01	49
			0.5-9.5	0.5	19
6112-1287	2		10-100	10	10

Unit:mm

Code	Grade	Piece/Set	Size	Step	Piece
6110-1201	0	103	1.005	/	1
			1.01-1.49	0.01	49
6111-1201	1		0.5-24.5	0.5	49
6112-1201	2		25-100	25	4
6110-1112	0	112	1.0005	/	1
			1.001-1.009	0.001	9
6111-1112	1		1.01-1.49	0.01	49
			0.5-24.5	0.5	49
6112-1112	2		25-100	25	4
6110-1122	0	122	0.5	/	1
			1	/	1
			1.0005	/	1
6111-1122	1		1.001-1.009	0.001	9
			1.01-1.49	0.01	49
			1.5-1.9	0.1	5
6112-1122	2		2.0-25.0	0.5	47
			30-70	10	5
			75	/	1
			80-100	10	3
6110-3236	0	36	0.05"	/	1
			0.1001"-0.1009"	0.0001"	9
6111-3236	1		0.101"-0.109"	0.001"	9
			0.11"-0.19"	0.01"	9
6112-3236	2		0.1"-0.5"	0.1"	5
			1",2",4"	/	3
6110-3281	0	81	0.1001"-0.1009"	0.0001"	9
6111-3281	1		0.101"-0.149"	0.001"	49
			0.05"-0.95"	0.05"	19
6112-3281	2		1"-4"	1"	4

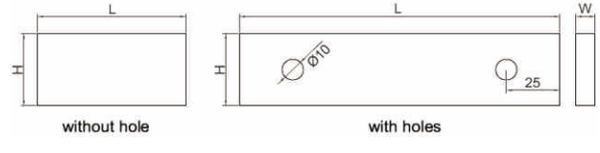
INDIVIDUAL STEEL GAUGE BLOCK

- Strictly made in accordance with DIN ISO 3650
- Made of high-quality alloy steel
- Edges are slightly lapped for protection
- With Calibration certificate
- Gage blocks with clamping holes: 125, 150, 175, 200,250, 300, 400, 500, 600, 700, 800, 900, 1000mm

Grade 0

Unit:mm

Code	Size	Code	Size	Code	Size	Code	Size	Code	Size
6000-0500	0.5mm	6000-1170	1.17mm	6000-1440	1.44mm	6001-0000	10mm	6002-3500	23.5mm
6000-1000	1mm	6000-1180	1.18mm	6000-1450	1.45mm	6001-0500	10.5mm	6002-4000	24mm
6000-1001	1.001mm	6000-1190	1.19mm	6000-1460	1.46mm	6001-1000	11mm	6002-4500	24.5mm
6000-1002	1.002mm	6000-1200	1.2mm	6000-1470	1.47mm	6001-1500	11.5mm	6002-5000	25mm
6000-1003	1.003mm	6000-1210	1.21mm	6000-1480	1.48mm	6001-2000	12mm	6003-0000	30mm
6000-1004	1.004mm	6000-1220	1.22mm	6000-1490	1.49mm	6001-2500	12.5mm	6004-0000	40mm
6000-1005	1.005mm	6000-1230	1.23mm	6000-1500	1.5mm	6001-3000	13mm	6005-0000	50mm
6000-1006	1.006mm	6000-1240	1.24mm	6000-1600	1.6mm	6001-3500	13.5mm	6006-0000	60mm
6000-1007	1.007mm	6000-1250	1.25mm	6000-1700	1.7mm	6001-4000	14mm	6007-0000	70mm
6000-1008	1.008mm	6000-1260	1.26mm	6000-1800	1.8mm	6001-4500	14.5mm	6007-5000	75mm
6000-1009	1.009mm	6000-1270	1.27mm	6000-1900	1.9mm	6001-5000	15mm	6008-0000	80mm
6000-1010	1.01mm	6000-1280	1.28mm	6000-2000	2mm	6001-5500	15.5mm	6009-0000	90mm
6000-1020	1.02mm	6000-1290	1.29mm	6000-2500	2.5mm	6001-6000	16mm	6010-0000	100mm
6000-1030	1.03mm	6000-1300	1.3mm	6000-3000	3mm	6001-6500	16.5mm	6012-5000	125mm
6000-1040	1.04mm	6000-1310	1.31mm	6000-3500	3.5mm	6001-7000	17mm	6015-0000	150mm
6000-1050	1.05mm	6000-1320	1.32mm	6000-4000	4mm	6001-7500	17.5mm	6017-5000	175mm
6000-1060	1.06mm	6000-1330	1.33mm	6000-4500	4.5mm	6001-8000	18mm	6020-0000	200mm
6000-1070	1.07mm	6000-1340	1.34mm	6000-5000	5mm	6001-8500	18.5mm	6025-0000	250mm
6000-1080	1.08mm	6000-1350	1.35mm	6000-5500	5.5mm	6001-900	19mm	6030-0000	300mm
6000-1090	1.09mm	6000-1360	1.36mm	6000-6000	6mm	6001-9500	19.5mm	6040-0000	400mm
6000-1100	1.1mm	6000-1370	1.37mm	6000-6500	6.5mm	6002-0000	20mm	6050-0000	500mm
6000-1110	1.11mm	6000-1380	1.38mm	6000-7000	7mm	6002-0500	20.5mm	6060-0000	600mm
6000-1120	1.12mm	6000-1390	1.39mm	6000-7500	7.5mm	6002-1000	21mm	6070-0000	700mm
6000-1130	1.13mm	6000-1400	1.4mm	6000-8000	8mm	6002-1500	21.5mm	6080-0000	800mm
6000-1140	1.14mm	6000-1410	1.41mm	6000-8500	8.5mm	6002-2000	22mm	6090-0000	900mm
6000-1150	1.15mm	6000-1420	1.42mm	6000-9000	9mm	6002-2500	22.5mm		
6000-1160	1.16mm	6000-1430	1.43mm	6000-9500	9.5mm	6002-3000	23mm		



Dimension:

Unit:mm

Size	W	H
0.5-10mm	9	30
>10mm	9	35

Grade 1

Unit:mm

Code	Size	Code	Size	Code	Size	Code	Size
6100-0500	0.5mm	6100-1260	1.26mm	6100-5500	5.5mm	6102-3500	23.5mm
6100-1000	1mm	6100-1270	1.27mm	6100-6000	6mm	6102-4000	24mm
6100-1001	1.001mm	6100-1280	1.28mm	6100-6500	6.5mm	6102-4500	24.5mm
6100-1002	1.002mm	6100-1290	1.29mm	6100-7000	7mm	6102-5000	25mm
6100-1003	1.003mm	6100-1300	1.3mm	6100-7500	7.5mm	6103-0000	30mm
6100-1004	1.004mm	6100-1310	1.31mm	6100-8000	8mm	6104-0000	40mm
6100-1005	1.005mm	6100-1320	1.32mm	6100-8500	8.5mm	6105-0000	50mm
6100-1006	1.006mm	6100-1330	1.33mm	6100-9000	9mm	6106-0000	60mm
6100-1007	1.007mm	6100-1340	1.34mm	6100-9500	9.5mm	6107-0000	70mm
6100-1008	1.008mm	6100-1350	1.35mm	6101-0000	10mm	6107-5000	75mm
6100-1009	1.009mm	6100-1360	1.36mm	6101-0500	10.5mm	6108-0000	80mm
6100-1010	1.01mm	6100-1370	1.37mm	6101-1000	11mm	6109-0000	90mm
6100-1020	1.02mm	6100-1380	1.38mm	6101-1500	11.5mm	61-100000	100mm
6100-1030	1.03mm	6100-1390	1.39mm	6101-2000	12mm	6112-5000	125mm
6100-1040	1.04mm	6100-1400	1.4mm	6101-2500	12.5mm	6115-0000	150mm
6100-1050	1.05mm	6100-1410	1.41mm	6101-3000	13mm	6117-5000	175mm
6100-1060	1.06mm	6100-1420	1.42mm	6101-3500	13.5mm	6120-0000	200mm
6100-1070	1.07mm	6100-1430	1.43mm	6101-4000	14mm	6125-0000	250mm
6100-1080	1.08mm	6100-1440	1.44mm	6101-4500	14.5mm	6130-0000	300mm
6100-1090	1.09mm	6100-1450	1.45mm	6101-5000	15mm	6140-0000	400mm
6100-1100	1.1mm	6100-1460	1.46mm	6101-5500	15.5mm	6150-0000	500mm
6100-1110	1.11mm	6100-1470	1.47mm	6101-6000	16mm	6160-0000	600mm
6100-1120	1.12mm	6100-1480	1.48mm	6101-6500	16.5mm	6170-0000	700mm
6100-1130	1.13mm	6100-1490	1.49mm	6101-7000	17mm	6180-0000	800mm
6100-1140	1.14mm	6100-1500	1.5mm	6101-7500	17.5mm	6190-0000	900mm
6100-1150	1.15mm	6100-1600	1.6mm	6101-8000	18mm		
6100-1160	1.16mm	6100-1700	1.7mm	6101-8500	18.5mm		
6100-1170	1.17mm	6100-1800	1.8mm	6101-900	19mm		
6100-1180	1.18mm	6100-1900	1.9mm	6101-9500	19.5mm		
6100-1190	1.19mm	6100-2000	2mm	6102-0000	20mm		
6100-1200	1.2mm	6100-2500	2.5mm	6102-0500	20.5mm		
6100-1210	1.21mm	6100-3000	3mm	6102-1000	21mm		
6100-1220	1.22mm	6100-3500	3.5mm	6102-1500	21.5mm		
6100-1230	1.23mm	6100-4000	4mm	6102-2000	22mm		
6100-1240	1.24mm	6100-4500	4.5mm	6102-2500	22.5mm		
6100-1250	1.25mm	6100-5000	5mm	6102-3000	23mm		

Grade 2

Unit:mm

Code	Size	Code	Size	Code	Size	Code	Size
6200-0500	0.5mm	6200-1260	1.26mm	6200-5500	5.5mm	6202-3500	23.5mm
6200-1000	1mm	6200-1270	1.27mm	6200-6000	6mm	6202-4000	24mm
6200-1001	1.001mm	6200-1280	1.28mm	6200-6500	6.5mm	6202-4500	24.5mm
6200-1002	1.002mm	6200-1290	1.29mm	6200-7000	7mm	6202-5000	25mm
6200-1003	1.003mm	6200-1300	1.3mm	6200-7500	7.5mm	6203-0000	30mm
6200-1004	1.004mm	6200-1310	1.31mm	6200-8000	8mm	6204-0000	40mm
6200-1005	1.005mm	6200-1320	1.32mm	6200-8500	8.5mm	6205-0000	50mm
6200-1006	1.006mm	6200-1330	1.33mm	6200-9000	9mm	6206-0000	60mm
6200-1007	1.007mm	6200-1340	1.34mm	6200-9500	9.5mm	6207-0000	70mm
6200-1008	1.008mm	6200-1350	1.35mm	6201-0000	10mm	6207-5000	75mm
6200-1009	1.009mm	6200-1360	1.36mm	6201-0500	10.5mm	6208-0000	80mm
6200-1010	1.01mm	6200-1370	1.37mm	6201-1000	11mm	6209-0000	90mm
6200-1020	1.02mm	6200-1380	1.38mm	6201-1500	11.5mm	6210-0000	100mm
6200-1030	1.03mm	6200-1390	1.39mm	6201-2000	12mm	6212-5000	125mm
6200-1040	1.04mm	6200-1400	1.4mm	6201-2500	12.5mm	6215-0000	150mm
6200-1050	1.05mm	6200-1410	1.41mm	6201-3000	13mm	6217-5000	175mm
6200-1060	1.06mm	6200-1420	1.42mm	6201-3500	13.5mm	6220-0000	200mm
6200-1070	1.07mm	6200-1430	1.43mm	6201-4000	14mm	6225-0000	250mm
6200-1080	1.08mm	6200-1440	1.44mm	6201-4500	14.5mm	6230-0000	300mm
6200-1090	1.09mm	6200-1450	1.45mm	6201-5000	15mm	6240-0000	400mm
6200-1100	1.1mm	6200-1460	1.46mm	6201-5500	15.5mm	6250-0000	500mm
6200-1110	1.11mm	6200-1470	1.47mm	6201-6000	16mm	6260-0000	600mm
6200-1120	1.12mm	6200-1480	1.48mm	6201-6500	16.5mm	6270-0000	700mm
6200-1130	1.13mm	6200-1490	1.49mm	6201-7000	17mm	6280-0000	800mm
6200-1140	1.14mm	6200-1500	1.5mm	6201-7500	17.5mm	6290-0000	900mm
6200-1150	1.15mm	6200-1600	1.6mm	6201-8000	18mm		
6200-1160	1.16mm	6200-1700	1.7mm	6201-8500	18.5mm		
6200-1170	1.17mm	6200-1800	1.8mm	6201-900	19mm		
6200-1180	1.18mm	6200-1900	1.9mm	6201-9500	19.5mm		
6200-1190	1.19mm	6200-2000	2mm	6202-0000	20mm		
6200-1200	1.2mm	6200-2500	2.5mm	6202-0500	20.5mm		
6200-1210	1.21mm	6200-3000	3mm	6202-1000	21mm		
6200-1220	1.22mm	6200-3500	3.5mm	6202-1500	21.5mm		
6200-1230	1.23mm	6200-4000	4mm	6202-2000	22mm		
6200-1240	1.24mm	6200-4500	4.5mm	6202-2500	22.5mm		
6200-1250	1.25mm	6200-5000	5mm	6202-3000	23mm		

LARGE METRIC GAUGE BLOCK SET

DIN ISO 3650

- With inspection certificate
- Made of premium hardened steel
- Stable dimensions with high accuracy, low surface roughness, high wringing force
- Strictly made in accordance with DIN ISO 3650
- High-carbon, high-chrome steel provides high hardness (⩾63HRC) and wear resistance
- Edges are slightly beveled for protection
- Precision ground, mirror polish, heat treatment and cryogenic treatment for all measuring surfaces

5PCS LARGE METRIC GAUGE BLOCK SET

Unit:mm

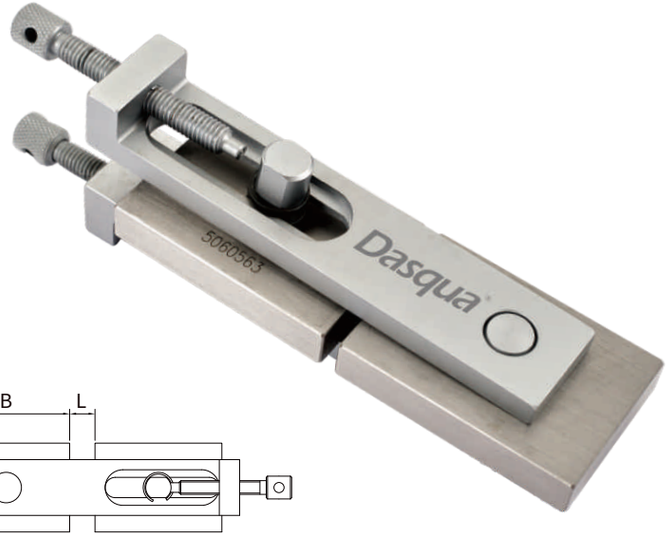
Code	Size	Grade
6220-6605	600/700/800/900/1000	0
6221-6605	600/700/800/900/1000	1
6222-6605	600/700/800/900/1000	2

8PCS LARGE METRIC GAUGE BLOCK SET

Unit:mm

Code	Size	Grade
6220-6608	125/150/175/200/250/300/400/500	0
6221-6608	125/150/175/200/250/300/400/500	1
6222-6608	125/150/175/200/250/300/400/500	2

GAUGE BLOCK HOLDERS



- To be used with gauge blocks for gaging both workpieces and fixtures
- To check, set and adjust gauges and measuring instruments
- Used to couple gauge block together to increase length
- Holders also can be used with reference points, scribers, and jaw to use as a Go/NoGo (G/NG) gage

Unit:mm

Code	Type	Unit	A	B	C	L	H
6321-0003	3Pcs/Set	Set	35	50	9	0-25	38
6321-0005	5Pcs/Set	Set	35	50	9	0-25	38

COUPLING HOLDER

FOR GAUGE BLOCK

- For using of gauge blocks to measuring or adjustment of measuring instruments
- Made of stainless steel with base
- Base block's mounting surface lapped flat and parallel

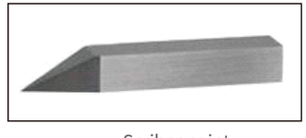
Unit:mm

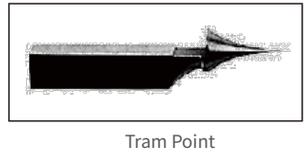
Code	Clamping range
6321-0050	0-50mm
6321-0100	0-100mm
6321-0200	0-200mm
6321-0300	0-300mm
6321-0400	0-400mm
6321-0500	0-500mm

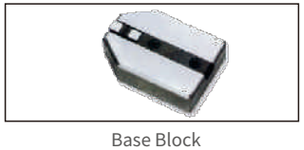
ACCESSORIES SET FOR GAUGE BLOCKS

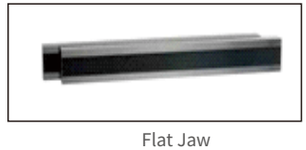
Clamp

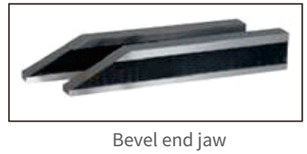
Radius Cylindrical Jaws


Scriber point

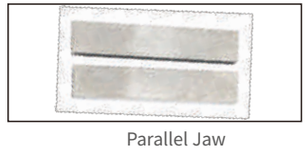

Tram Point

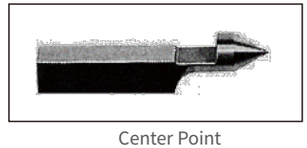

Base Block


Flat Jaw


Bevel end jaw

Reference Jaw


Parallel Jaw


Center Point

METRIC

Unit:mm

Description \ Code	6321-1005 (10pcs/set)	6321-1010 (15pcs/set)	6321-1015 (17pcs/set)
50mm clamp	1pc	1pc	1pc
100mm clamp	1pc	1pc	1pc
200mm clamp	1pc	1pc	1pc
2mm Radius Cylindrical Jaws	1pair	1pair	1pair
5mm Radius Cylindrical Jaws	1pair	1pair	1pair
10mm Radius Cylindrical Jaws	-	1pair	1pair
60mm Beveled Ends Jaws	-	1pair	1pair
100mm Parellel Jaw	-	1pair	1pair
100mm Straight Edge	-	-	1pc
Center Point	1pc	1pc	1pc
Scriber Point	1pc	1pc	1pc
Base Block	1pc	-	1pc

INCH

Unit:inch

Description \ Code	6321-2005 (14pcs/set)	6321-2010 (27pcs/set)
2.25" clamp	1 Pcs	1 Pcs
4" clamp	-	1 Pcs
6" clamp	1 Pcs	1 Pcs
10" clamp	-	1 Pcs
0.1" Radius Cylindrical Jaws	1 Pair	1 Pair
0.2"Radius Cylindrical Jaws	1 Pair	1 Pair
0.25" Radius Cylindrical Jaws	1 Pair	1 Pair
0.5" Radius Cylindrical Jaws	1 Pair	1 Pair
0.75" Radius Cylindrical Jaws	-	1 Pair
4" Parellel Jaw	1 Pair	1 Pair
6" Parellel Jaw	1 Pair	1 Pair
6" Flat jaw	-	1 Pair
Scriber Point	-	1 Pcs
Center Point	-	1 Pcs
Tram Point	-	1 Pair
Jaws with reference lines	-	1 Pair
Base Block	-	1 Pcs

GAUGE BALL SET

- Measure difficult close tolerance dimensions in tool rooms inspection departments and production areas
- Ground and lapped
- Made by quality steel hardened
- Chrome steel hardened to Rc 63

Unit:mm

Code	Including	Diamensional accuracy	Shape Accuracy	Quantity
6350-0005	sφ1,sφ2,sφ3,..sφ10.....sφ25	0.0025	0.0006	25 pairs

CALIPER AND HEIGHT GAUGE CHECKER

- Used to set and inspect caliper and height gauges
- Ceramic gage blocks can be used in either vertical and horizontal orientation
- Measuring blocks are corrosion-resistant and dimensionally stable
- Supplied with inspection certificate

Unit:mm

Code	Range	Internal Measuring Hand Size	Accuracy	Material
6451-0005	0-300	20/50/100/150/200/250/300/330	±0.005	Ceramic
6451-0010	0-600	20/50/100/150/200/250/300/350/400/450/500/550/600	±0.007	Ceramic
6451-0015	0-1000	20/50/100/150/200/250/300/350/400/450/500/550/600/650/700/750/800/850/900/950/1000	±0.007	Ceramic
6451-1005	0-300	20/50/100/150/200/250/300/330	±0.005	Steel
6451-1020	0-400	20/50/100/150/200/250/300/350/400	±0.007	Steel
6451-1010	0-600	20/50/100/150/200/250/300/350/400/450/500/550/600	±0.007	Steel
6451-1015	0-1000	20/50/100/150/200/250/300/350/400/450/500/550/600/650/700/750/800/850/900/950/1000	±0.007	Steel

PIN GAUGE SET

- Strictly made in accordance with DIN2269
- Perfect for measuring the hole diameter, distance between holes, hole location, slot width, used as go&no-go gagues or as reference standards of setting measuring equipment
- Made of hardened steel, heat treatment, abrasion resistant, hardness 60-63HRC,precision ground for long service life

Individual Size Available

Unit:mm

Code	Amount(Pcs)	Size	Step	Accuary
6211-4205	91	1-10	0.1	±0.001
6211-4210	273	Include 273pcs(0.99/1.00/1.01[3pcs];1.09/1.10/1.11, 1.19/1.20/1.21...1.89/1.90/1.91,1.99/2.00/2.01[30pcs] 2.09/2.10/2.11...9.99/10.00/10.01[240pcs])		±0.001
6212-4205	190	0.061"-0.250"	0.001"	-0.0002"
6212-4210	250	0.251"-0.5000"	0.001"	-0.0002"

Unit:mm

Code	Amount(Pcs)	Size	Step	Accuary
6211-4300	31	0.20,0.21,0.22,···0.50	0.01mm	±0.001
6211-4301	51	0.50,0.51,0.52,···1.00	0.01mm	±0.001
6211-4302	51	1.00,1.01,1.02,···1.50	0.01mm	±0.001
6211-4303	51	1.50,1.51,1.52,···2.00	0.01mm	±0.001
6211-4304	51	2.00,2.01,2.02,···2.50	0.01mm	±0.001
6211-4305	51	2.50,2.51,2.52,···3.00	0.01mm	±0.001
6211-4306	51	3.00,3.01,3.02,···3.50	0.01mm	±0.001
6211-4307	51	3.50,3.51,3.52,···4.00	0.01mm	±0.001
6211-4308	51	4.00,4.01,4.02,···4.50	0.01mm	±0.001
6211-4309	51	4.50,4.51,4.52,···5.00	0.01mm	±0.001
6211-4310	51	5.00,5.01,5.02,···5.50	0.01mm	±0.001
6211-4311	51	5.50,5.51,5.52,···6.00	0.01mm	±0.001
6211-4312	51	6.00,6.01,6.02,···6.50	0.01mm	±0.001
6211-4313	51	6.50,6.51,6.52,···7.00	0.01mm	±0.001
6211-4314	51	7.00,7.01,7.02,···7.50	0.01mm	±0.001
6211-4315	51	7.50,7.51,7.52,···8.00	0.01mm	±0.001
6211-4316	51	8.00,8.01,8.02,···8.50	0.01mm	±0.001
6211-4317	51	8.50,8.51,8.52,···9.00	0.01mm	±0.001
6211-4318	51	9.00,9.01,9.02,···9.50	0.01mm	±0.001
6211-4319	51	9.50,9.51,9.52,···10.00	0.01mm	±0.001
6211-4320	51	10.00,10.01,10.02,···10.50	0.01mm	±0.001
6211-4321	51	10.50,10.51,10.52,···11.00	0.01mm	±0.001
6211-4322	51	11.00,11.01,11.02,···11.50	0.01mm	±0.001
6211-4323	51	11.50,11.51,11.52,···12.00	0.01mm	±0.001
6211-4324	51	12.00,12.01,12.02,···12.50	0.01mm	±0.001
6211-4325	51	12.50,12.51,12.52,···13.00	0.01mm	±0.001
6211-4326	51	13.00,13.01,13.02,···13.50	0.01mm	±0.001
6211-4327	51	13.50,13.51,13.52,···14.00	0.01mm	±0.001
6211-4328	51	14.00,14.01,14.02,···14.50	0.01mm	±0.001
6211-4329	51	14.50,14.51,14.52,···15.00	0.01mm	±0.001
6211-4330	51	15.00,15.01,15.02,···15.50	0.01mm	±0.001
6211-4331	51	15.50,15.51,15.52,···16.00	0.01mm	±0.001
6211-4332	51	16.00,16.01,16.02,···16.50	0.01mm	±0.001
6211-4333	51	16.50,16.51,16.52,···17.00	0.01mm	±0.001
6211-4334	51	17.00,17.01,17.02,···17.50	0.01mm	±0.001
6211-4335	51	17.50,17.51,17.52,···18.00	0.01mm	±0.001
6211-4336	51	18.00,18.01,18.02,···18.50	0.01mm	±0.001
6211-4337	51	18.50,18.51,18.52,···19.00	0.01mm	±0.001
6211-4338	51	19.00,19.01,19.02,···19.50	0.01mm	±0.001
6211-4339	51	19.50,19.51,19.52,···20.00	0.01mm	±0.001
6211-4400	101	1.00,1.01,1.02,···2.00	0.01mm	±0.001
6211-4405	101	2.00,2.01,2.02,···3.00	0.01mm	±0.001
6211-4410	101	3.00,3.01,3.02,···4.00	0.01mm	±0.001
6211-4415	101	4.00,4.01,4.02,···5.00	0.01mm	±0.001
6211-4420	101	5.00,5.01,5.02,···6.00	0.01mm	±0.001
6211-4425	101	6.00,6.01,6.02,···7.00	0.01mm	±0.001
6211-4430	101	7.00,7.01,7.02,···8.00	0.01mm	±0.001
6211-4435	101	8.00,8.01,8.02,···9.00	0.01mm	±0.001
6211-4440	101	9.00,9.01,9.02,···10.00	0.01mm	±0.001
6211-4500	41	1.0,1.1,1.2,···5.0	0.1mm	±0.001
6211-4505	51	5.0,5.1,5.2,···.10.0	0.1mm	±0.001
6211-4510	51	10.0,10.1,10.2,···.15.0	0.1mm	±0.001
6211-4515	51	15.0,15.1,15.2,···.20.0	0.1mm	±0.001

PIN GUAGE HANDLES

[GO/NO-GO][OPERATED WITHOUT WRENCH]

- Made of aluminum
- Optional clamping range
- Dedicated handle for pin gage, no-go, go gage and plug gage
- Simple structure, detachable design, easy to use

Unit:mm

Code	Range
6205-4005	0.28-1.51mm/0.011-0.0605"
6205-4010	1.52-6.35mm/0.061-0.2505"
6205-4015	6.36-12.71mm/0.251-0.5005"
6205-4020	12.71-15.88mm/0.501-0.625"
6205-4025	15.89-19mm/0.626-0.75"
6205-4030	19.01-21.13mm/0.751-0.832"
6205-4035	21.14-25.4mm/0.833-1"

PIN GUAGE HANDLES

[GO/NO-GO][OPERATED WITH WRENCH]

- Clamping bushes are made of brass
- Supplied with wrench for installing pin gauges

Unit:mm

Code	Range
6205-3001	For Dia.φ0.3-1mm,Length:58mm
6205-3002	For Dia.φ1-2mm,Length:58mm
6205-3003	For Dia.φ2-3mm,Length:58mm
6205-3004	For Dia.φ3-4mm,Length:58mm
6205-3005	For Dia.φ4-5mm,Length:80mm
6205-3006	For Dia.φ5-6mm,Length:80mm
6205-3007	For Dia.φ6-7mm,Length:88mm
6205-3008	For Dia.φ7-8mm,Length:88mm
6205-3009	For Dia.φ8-9mm,Length:90mm
6205-3010	For Dia.φ9-10mm,Length:90mm
6205-3011	For Dia.φ10-11mm,Length:90mm
6205-3012	For Dia.φ11-12mm,Length:90mm
6205-3013	For Dia.φ12-13mm,Length:90mm
6205-3014	For Dia.φ13-14mm,Length:90mm
6205-3015	For Dia.φ14-15mm,Length:90mm
6205-3016	For Dia.φ15-16mm,Length:90mm
6205-3017	For Dia.φ16-17mm,Length:90mm
6205-3018	For Dia.φ17-18mm,Length:90mm
6205-3019	For Dia.φ18-19mm,Length:90mm
6205-3020	For Dia.φ19-20mm,Length:90mm
6205-3021	For Dia.φ20-21mm,Length:100mm
6205-3022	For Dia.φ21-22mm,Length:100mm
6205-3023	For Dia.φ22-23mm,Length:100mm
6205-3024	For Dia.φ23-24mm,Length:100mm

GAUGING TOOLS

BORN IN ITALY, RAISED BY THE WORLD

02-06 COMPARATIVE GAUGES

07-18 COMPARATIVE GAUGES

19-28 COMPARATIVE GAUGES FOR WELDING

WELDING GAUGE SET

TAPER BORE GAUGE

● 1051-2010

Length about 11.8cm with 0.1-3mm measuring range of bore diameter

● 1051-3005

Length about 16cm with 0.4-6mm measuring range of bore diameter

Mainly used to measure some special grooves like T-groove and V-groove, performing more stable than a normal taper gauge.

- Used to measure grooves and gaps or places where hard to reach
- Made of excellent stainless steel
- With a cap to protect the tip

CIRCULAR TAPER GAUGE

Unit:mm

Code	Range	Graduation
1051-2005	0.1-3	0.1
1051-2010	0.1-5	0.1

TAPER GAUGE

Unit:mm

Code	Range	Graduation	Accuracy
1051-0005	1-6.5	0.1	±0.05
1051-0008	3-15	0.1	±0.05
1051-0015	3-16	0.1	±0.05
1051-0020	15-30	0.1	±0.05
1051-0025	30-45	0.1	±0.05

● 1051-0008

Length about 19cm with 3-15mm measuring range of bore diameter

Mainly used to measure some deeper slots,holes and tube diameters.

CLEARANCE GAUGE

Unit:mm

Code	Range	Graduation
1051-3005	0.4-6	0.05
1051-3010	0.5-10	0.05
1051-3015	1-15	0.1

J

TELESCOPING GAUGE SET

- The spring-loaded plunger expands within the bore, or groove, slots and holes, allowing determination of the internal diameter or groove width
- Each gage has a knurled clamp
- Satin chrome finish
- Contact plunger automatically self-centering at all times and in all positions
- Constant spring force on the measuring surface

Unit:mm

Code	Range	length
5911-0001	8-150 and 5/16"-6" (8-12.7,12.7-19,19-32,32-54,54-90,90-150	Up to 300/ 12"
5911-0002	5/16"-1/2",1/2"-3/4",3/4"-1-1/4",1-1/4"-2-1/8",2-1/8"-3-1/2",3-1/2"-6"	Up to 100/ 4"

TIN-COATED TELESCOPING GAUGE SET

- 5911-0001-A

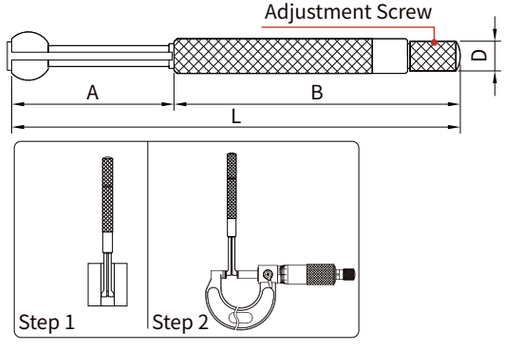
- 5911-0002-A

- Satin chrome finish
- Each gage has a knurled clamp
- Tin-Coated anvils for wear off resistance, longer service life
- The spring-loaded plunger expands within the bore, or groove, slots and holes, allowing determination of the internal diameter or groove width
- Contact plunger automatically self-centering at all times and in all positions
- Constant spring force on the measuring surface

Unit:mm

Code	Range	Length
5911-0001-A	8-150mm/Up to 300mm[5/16-6"/Up to 12"]	Up to 300/12"
5911-0002-A	8-150mm/Up to 100mm[5/16-6"/Up to 4"]	Up to 100/4"

SMALL HOLE GAUGE SET



- Measuring range: 3.0-5.0 mm, 5.0-7.5 mm, 7.5-10.0 mm, 10.0-13.0 mm
- Used with an outside micrometer for measuring inside diameter of bores
- Gaging surface is fully hardened to ensure long tool life
- Extra long for gaging deep and shallow holes, slots, and similar workpieces
- Satin chrome finish

Unit:mm

Code	Range	L	A	B	D
5921-0005	3-5/1/8"-1/5"	76	22	53	φ5
	5-7.5/1/5"-3/10"	78	24	53	φ5
	7.5-10/3/10"-2/5"	88	28	59	φ6
	10-13/2/5"-1/2"	92	32	59	φ6

PRECISION CALIPERS / DIVIDER SET

- Made of top-grade high carbon steel
- Including: 1pc each of 150mm(6") outside caliper/inside caliper/Divider

Unit:mm

Code	Code
1051-8005	1pc each of 150mm(6") outside caliper/inside caliper/Divider

J

OUTSIDE CALIPER

- Hardened points
- Made of top-grade high carbon steel

Unit:mm

Code	Range
1051-6005	5"/125mm
1051-6010	6"/150mm
1051-6015	8"/200mm
1051-6020	10"/250mm
1051-6025	12"/300mm
1051-6030	16"/400mm
1051-6035	20"/500mm
1051-6040	24"/600mm

INSIDE CALIPER

- Hardened points
- Made of top-grade high carbon steel

Unit:mm

Code	Range
1051-7005	5"/125mm
1051-7010	6"/150mm
1051-7015	8"/200mm
1051-7020	10"/250mm
1051-7025	12"/300mm
1051-7030	16"/400mm
1051-7035	20"/500mm
1051-7040	24"/600mm

SPRING CALIPERS AND DIVIDERS SERIES

Inside

Outside

Divider

- Quick, positive adjustment
- Made of top-grade high carbon steel
- Precise fine adjustment due to solid nut
- Outside Spring Caliper/Inside Spring Caliper/Spring Divider
- Measuring and transferring precise dimensions and for various measurements
- Inside Spring Caliper — Ends fully rounded to give accurate contact with a workpiece
- Outside Spring Caliper — Contact ends fully rounded to give accurate dimensions
- Spring Divider — Fully hardened and tempered joints, spring, washers and divider points
- Centrally located adjustment screw to ensure smooth action

Unit:mm

Code Quick Action Type	Code Normal Type	Size	Type
1051-0105	1051-1010	150/6"	outside
1051-0110	1051-1015	200/8"	outside
1051-0115	1051-1020	250/10"	outside
1051-0120	1051-1025	300/12"	outside
1051-0305	1051-4010	150/6"	inside
1051-0310	1051-4015	200/8"	inside
1051-0315	1051-4020	250/10"	inside
1051-0320	1051-4025	300/12"	inside
1051-0321	1051-5005	100/4"	divider
1051-0505	1051-5010	150/6"	divider
1051-0510	1051-5015	200/8"	divider
1051-0515	1051-5020	250/10"	divider
1051-0520	1051-5025	300/12"	divider

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THREAD DETECTIVE / IDENTIFIER

BEST SELLER

- Nut and bolt thread identifier. Each size has a nut and bolt checker on the same gauge
- Thread sizes are etched on each gauge
- The individual gauges rotate freely on the wire cable for fast thread verification
- Wire cable with loop for convenient hanging

Unit:mm

Code	L x W x H
8511-2005	Metric (12pcs):M4-0.7, M5-0.8, M6-1.0, M7-1.0, M8-1.0, M8-1.25, M10-1.0, M10-1.25, M10-1.5, M12-1.25, M12-1.5, M12-1.75
8511-2010	Inch(14pcs):6-32, 8-32, 10-24, 10-32, 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13, 1/2-20
8511-2015	26pcs/Set:Metric (12pcs)&Inch(14pcs)
8511-2020	37pcs/Set:Metric (12pcs)&Inch(14pcs)&BSW(11 PCS)

CONTOUR PROFILE GAUGE

- Metric & Inch
- Quickly and easy in operation
- Ultra thin pins for deep measurement
- Stainless Steel pins for precise contour and longer use
- Used in hobby woodworking, precise woodworking or tile flooring installation,etc, precise contour dulication of the cut outs

Code	1032-0190	1032-0195	1032-0200
Range	5"/130mm	6"/150mm	10"/250mm

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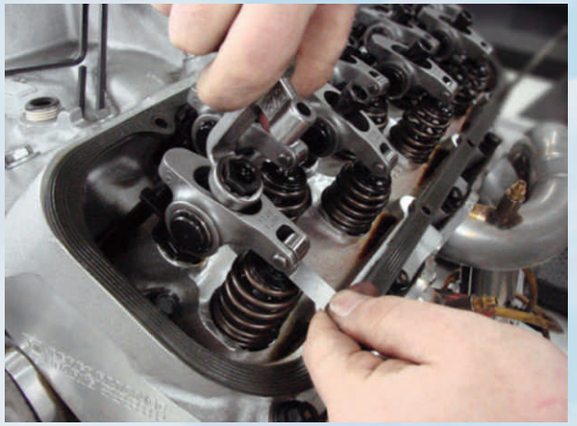
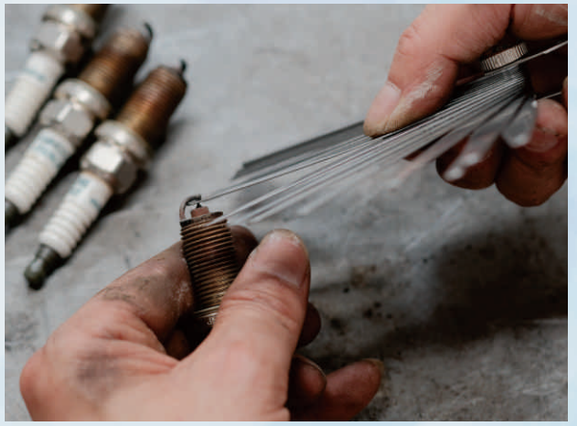
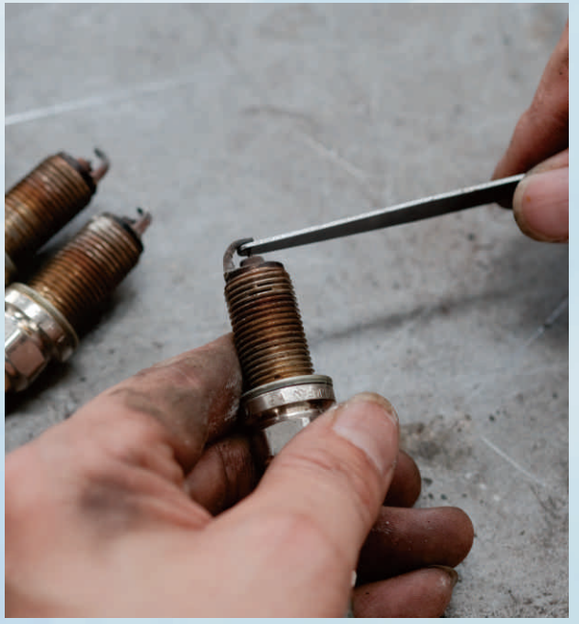
FEELER GAUGE SHIM ROLL BLUE TIN







Unit:mm

Code	Size
1803-3110	0.01*50*5000
1803-3111	0.02*50*5000
1803-3112	0.03*50*5000
1803-3113	0.04*50*5000
1803-3114	0.05*50*5000
1803-3115	0.06*50*5000
1803-3116	0.07*50*5000
1803-3117	0.08*50*5000
1803-3118	0.09*50*5000
1803-3119	0.10*50*5000

FEELER GAUGE SHIM ROLL

- Made in Europe and strictly in accordance with DIN2275
- Surface roughness: Ra 0.4μm
- Hardness: 360-600HV and prolongs the service life significantly
- Material: premium stainless steel/alloy steel
- Thickness: 0.01, 0.02, 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25,0.30,0.35,0.40,0.45,0.50,0.55,0.60,0.65,0.70,0.80,0.90,1.00mm
- Shaped size: 12.7mmx5m, desired length can be cut. Other sizes can be ordered separately

DIN 2275

Unit:mm

Code	Thickness	Remark	Code	Thickness	Remark
1803-2110	0.01	Stainless Steel	1803-4122	0.25	65Mn
1803-4111	0.02	65Mn	1803-4123	0.30	65Mn
1803-4112	0.03	65Mn	1803-4124	0.35	65Mn
1803-4113	0.04	65Mn	1803-4125	0.40	65Mn
1803-4114	0.05	65Mn	1803-4126	0.45	65Mn
1803-4115	0.06	65Mn	1803-4127	0.50	65Mn
1803-4116	0.07	65Mn	1803-4128	0.60	65Mn
1803-4117	0.08	65Mn	1803-4129	0.70	65Mn
1803-4118	0.09	65Mn	1803-4130	0.80	65Mn
1803-4119	0.10	65Mn	1803-4131	0.90	65Mn
1803-4120	0.15	65Mn	1803-4132	1.00	65Mn
1803-4121	0.20	65Mn			

Unit:mm

Code	Thickness	Remark
1803-0105	0.01,0.02,0.03,0.04,0.05,0.06,0.07,0.08,0.09,0.10,0.15,0.20,0.25	Set

FEELER GAUGE

DIN 2275

- Suitable for electronic equipment, mold manufacturing, automotive, automation equipment, precision machinery, metal parts, machinery parts and so on
- Strictly made in accordance with DIN2275
- High tolerance accuracy for precise measurements
- Hardened spring steel, conical shaped blades,
- Nickel plated case with lock nut
- The numbers of size are etched into feeler gauge for easy identification
- Polished surface, durable and smooth

Unit:mm

Code	Length	Range	Amount(Pcs)	Including
1825-0175	75	0.04-1.00	25	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
1813-0100	100	0.05-1.00	13	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
1813-1100	100	0.03-0.5	13	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
1817-0100	100	0.02-1.00	17	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
1820-0100	100	0.05-1.00	20	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
1828-0100	100	0.05-1.00	28	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
1832-0100	100	0.03-1.00	32	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
1813-0150	150	0.05-1.00	13	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
1817-0150	150	0.02-1.00	17	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
1820-0150	150	0.05-1.00	20	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
1813-0200	200	0.05-1.00	13	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
1817-0200	200	0.02-1.00	17	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
1820-0200	200	0.05-1.00	20	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
1813-0300	300	0.05-1.00	13	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
1817-0300	200	0.05-1.00	17	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
1820-0300	300	0.05-1.00	20	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
1813-0500	500	0.05-1.00	13	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
1820-0500	500	0.05-1.00	20	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
1813-1000	500	0.05-1.00	13	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
1732-0035	90/3.5"	0.0015"-0.035"	32	0.04/0.0015'',0.05/0.002'',0.06/0.0025'',0.08/0.003'',0.10/0.004'', 0.13/0.005'',0.15/0.006'',0.18/0.007'',0.20/0.008'',0.23/0.009'', 0.25/0.01'',0.28/0.011'',0.30/0.012'',0.33/0.013'',0.35/0.014'', 0.38/0.015'',0.40/0.016'',0.43/0.017'',0.45/0.018'',0.48/0.019'', 0.50/0.02'',0.53/0.021'',0.55/0.022'',0.58/0.023'',0.60/0.024'', 0.63/0.025'',0.65/0.026'',0.70/0.028'',0.75/0.03'',0.80/0.032'', 0.88/0.035'' Plus (1pc of Copper) 0.25/0.01''

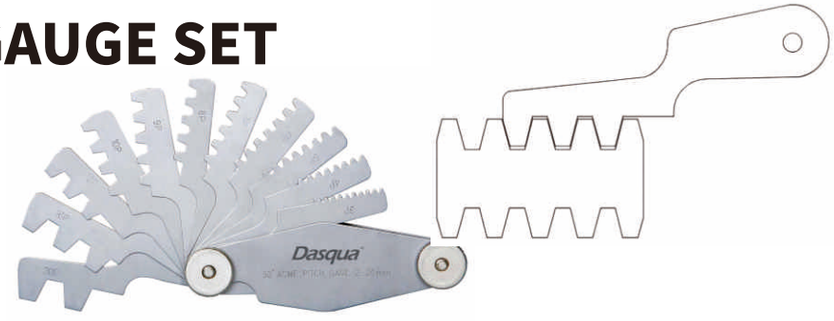
GAUGE SET

- Used to check the pitch of screw thread
- Narrow designed blades can be used for internal and external screw threads
- Locking device at each end to secure all blades for storage or positioning
- Correct pitch is determined by matching blade teeth with threads
- Precisely ground and finished
- Blades marked with thread size
- Made of premium stainless steel

Unit:mm

Code	Thread type	Amount(Pcs)	Range	Including
1501-1024	Metric 60°	24	0.25-7.00	0.25,0.30,0.35,0.40,0.50,0.70,0.75,0.80,0.90,1.00,1.25,1.50 1.75,2.00,2.50,3.00,3.50,4.00,4.50,5.00,5.50,6.00,6.50,7.00
1501-1020	Metric 60°	20	0.4-6.00	0.40,0.50,0.60,0.70,0.75,0.80,0.9,1.00,1.25,1.50, 1.75,2.00,2.50,3.00,3.50,4.00,4.50,5.00,5.50,6.00
1502-2030	Whitworth 55°	30	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
1503-3030	Unified 60°	30	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
1500-0052	Metric 60°	24	0.25-6.00	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, 1.75,2,2.5,3,3.5,4,4.5,5,5.5,6
	Whitworth 55°	28	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
1500-1052	Metric 60°	22	0.4-7.00	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, 4.5,5,5.5,6,6.5,7
	Unified 60°	30	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

TRAPEZOIDAL SCREW PITCH GAUGE SET



- Gear tooth sizes range from 30-40mm
- Made of stainless steel, the gauge set for 29° thread angle consists of 16 blades and the 30° angle 12 blades, with each sizing 90mm long
- Measure the pitch of 30°(Metric) and 29°(Inch) trapezoidal screw thread (Acme threads)

Unit:mm

Code	Range	Leaves	Sizes	Thread type
1041-0105	2-20mm	12	2,3,4,5,6,7,8,9,10,12,16,20mm	30°

2PCS FEELER GAUGE AND SCREW PITCH GAUGE SET

- 1500-0052
- 1813-0100

Unit:mm

Code	Content
1500-0005	Dasqua Code 1813-0100[Feeler Gauge With 100mm Length] 13pcs*0.05-1.0mm (0.05-0.10-0.15-0.20-0.25-0.30-0.40-0.50-0.60-0.70-0.80-0.90-1.0)
	Dasqua Code 1500-0052 Thread Pitch Gauge 52pcs Metric 60°/24pcs/0.25-6.00mm
	Whitworth 55°/28pcs/4-62TPI

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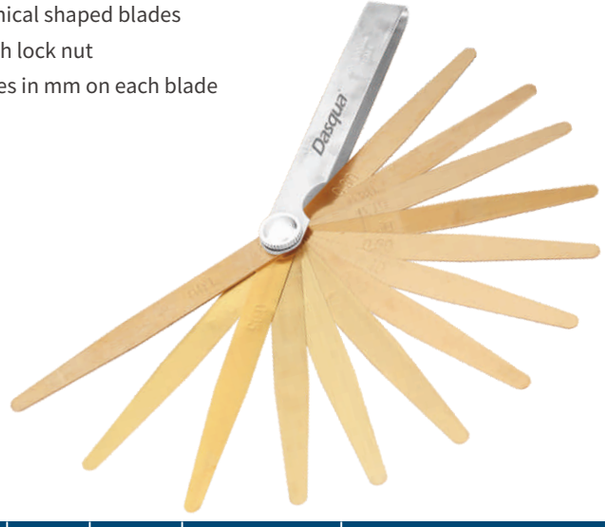
BRASS FEELER GAUGE

- Made from brass, suitable for non-magnetic application,e.g. checking the electrode distance in spark plugs, or for setting sensors at ABS
- Conical shaped blades
- With lock nut
- Sizes in mm on each blade



Unit:mm

Code	Length	Range	Amount(Pcs)	Including
1620-0101	100	0.05-1.00	13	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
1620-0100	100	0.05-1.00	20	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

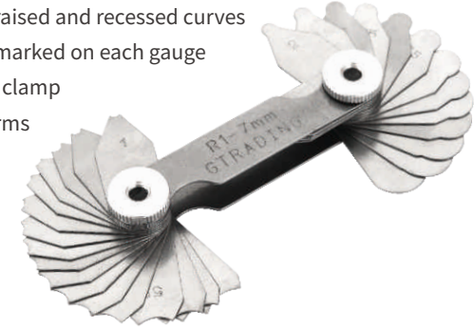
SPARK-PLUG GAP GAUGE

- Used to measure and adjust spark plug electrode gaps
- Easy and reliable to use
- Made of high quality materials, sturdy and durable
- With corrosion-resistant finish

Code	1803-4005

RADIUS GAUGE

- Both concave and convex shaped blades become a pair
- For testing of raised and recessed curves
- Radius size is marked on each gauge
- With a locking clamp
- Fine cutted forms



Unit:mm

Code	Range	Step	Leaves	
			Convex(Pcs)	Concave(Pcs)
1351-0005	1.0-7.0	1.0-3.0:0.25;3.0-7.0:0.5	17	17
1351-0010	7.5-15	7.5-15:0.5	16	16
1351-0015	15.5-25	15.5-20:0.5;20-25:1	15	15
1352-1005	1/32"-1/4"	1/64"	15	15
1352-1010	17/64"-1/2"	1/64"	16	16
1352-1015	17/32"-1"	1/32"	16	16

31PCS RADIUS GAUGE SETS 25-40MM

- Made of Stainless steel
- Better durability
- Different sizes of leaves for various measuring angles
- Easy to use radius gauge set for measuring the radius of objects

Unit:mm

Code	Range	Radius of leaves included (mm)	leaves
1005-0015	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

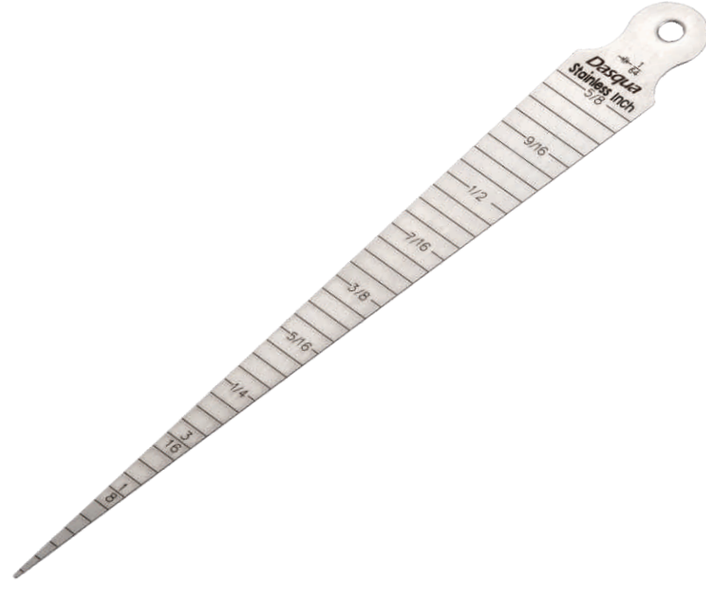
CIRCUMFERENCE GAUGE

- Application areas include the pipelines, boiler and tank construction, tire industry, forestry, etc
- For measuring diameters and circumferences of all circular objects quickly and easily
- With laser etched scales
- Graduation in mm or inch available
- Made of stainless steel material

Unit:mm

Code	Circumference Range	Graduation	Diameter Range
1704-0005-A	60-950	0.1	φ20-φ300
1704-0010-A	940-2200	0.1	φ300-φ700
1704-0015-A	2190-3460	0.1	φ700-φ1100
1704-0020-A	3450-4720	0.1	φ1100-φ1500
1704-0025-A	4710-5980	0.1	φ1500-φ1900
1704-0030-A	5960-7230	0.1	φ1900-φ2300
1704-0035-A	7220-8500	0.1	φ2300-φ2700
1704-0040-A	8480-9760	0.1	φ2700-φ3100
1704-0045-A	9730-11010	0.1	φ3100-φ3500

TAPER GAUGE



- Made of polished stainless steel
- Used to measure inside diameter of tubing, hole size, slot width
- Satin chrome finish for easy and accurate readings
- Graduated to measure inside diameters or widths from metric size 1mm-60mm by 0.1mm and inch size 1/16"-2-3/8" in 1/64" another side

Unit:mm

Code	Range	Graduation
8522-0005	1/16"-5/8"	1/64"
8521-0005	1-15; 1/16"-5/8"	0.1 & 1/64"
8522-0010	5/8"-1-3/16"	1/64"
8521-0010	15-30; 5/8"-1-3/16"	0.1 & 1/64"
8522-0015	1-3/16"-1-3/4"	1/64"
8521-0015	30-45; 1-3/16"-1-3/4"	0.1 & 1/64"
8522-0020	1-3/4"-2-3/8"	1/64"
8521-0020	45-60;1-3-4"-2-3/8"	0.1 & 1/64"

WIRE & SHEET METAL GAUGE

AMERICAN STANDARD

• 1041-0020

• 1041-0025

- Satin finish for easy reading
- Diameter-3-1/4"(ϕ83mm)
- Heavy duty gage, hardened stainless steel
- Decimal equivalents on the reverse side
- Used to gauge wire, sheet, plate and non-ferrous metals such as copper, aluminum and brass
- Gage numbers are in American standard numbers 0-36

Unit:mm

Code	Graduation	Diameter
1041-0020	0-36(0.3125"-0.007")	3-1/4"(φ83mm)
1041-0025	0-36(0.325"-0.005")	3-1/4"(φ83mm)

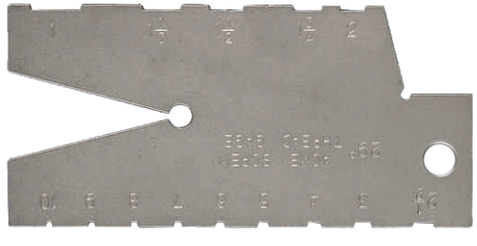
RIGID RULER

- Made from the european finest quality steel
- All rules fully hardened and tempered
- Precisely etched, then black filled for readability
- Any graduations available by special order
- Satin chrome finish

Unit:mm

Code	Measuring range	Graduation	Thickness	Width
9000-1005	0-150mm/6"	0.5mm/1.0mm/1/64"/1/32"/1/16" graduation on front and back	1.0mm/0.04"	19mm/3/4"
9000-1010	0-300mm/12"		1.0mm/0.04"	19mm/3/4"
9000-1015	0-600mm/24"		1.0mm/0.04"	19mm/3/4"

ACME SCREW THREAD GAUGE



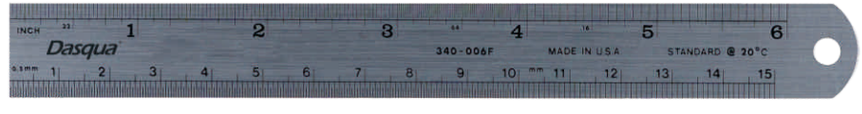
- Used as the standard blocks when grinding acme threads
- Acme thread inclination: 14-1/2 degree (29 degree inclined angle)
- Angles and edges are hardened and precision ground
- Threads: 1, 1-1/3, 1-1/2, 1-3/4, 2, 2-1/2, 3, 4, 5, 6, 7, 8, 9&10TPI

Unit:mm

Code	Range	Thread type	Pitch
1041-0005-A	1-10TPI	ACME29°	1, 1-1/3, 1-1/2, 1-3/4, 2, 2-1/2, 3, 4, 5, 6, 7, 8, 9&10TPI

ROUND END RULER

RIGID HEAVY DUTY FOR INDUSTRIAL USE

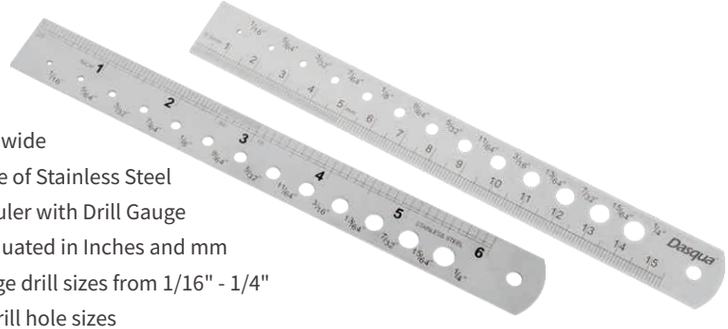


- Satin chrome finish
- Made from the european finest quality steel
- All rules fully hardened and tempered
- Any graduations available by special order
- Precisely etched, then black filled for readability

Unit:mm

Code	Measuring range	Graduation	Thickness	Width
9000-1105	0-150mm/6"	0.5mm/1.0mm/1/64"/1/32"/1/16" graduation on front and back	0.5mm	19mm
9000-1110	0-300mm/12"		1.0mm	25mm
9000-1115	0-600mm/24"		1.0mm	25mm

RULER WITH DRILL GAUGE

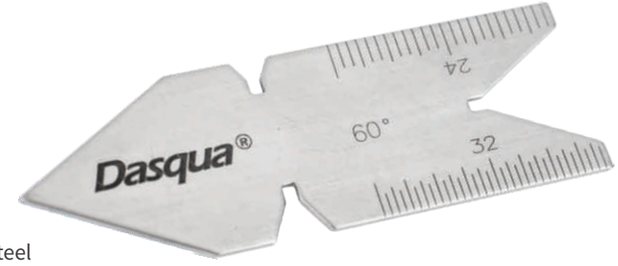


- 3/4" wide
- Made of Stainless Steel
- 6" Ruler with Drill Gauge
- Graduated in Inches and mm
- Gauge drill sizes from 1/16" - 1/4"
- 13 drill hole sizes

Unit:mm

Code	Range	Graduation	Accuracy
1005-0010	0-150mm/0-6"	0.5mm/1mm/1/32"	±0.1mm

ANGLE THREAD CUTTING GAUGE

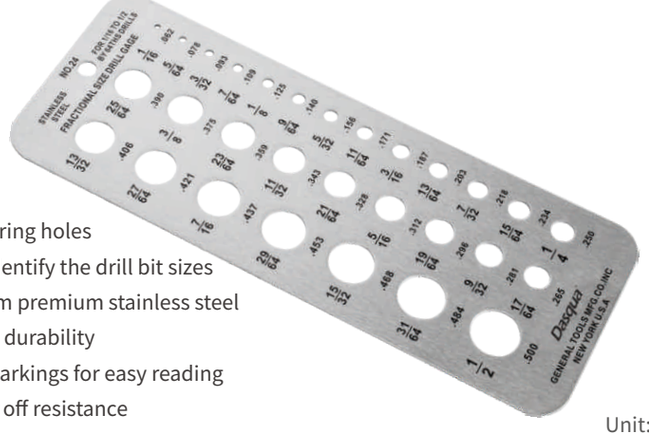


- Accuracy: ±30min
- Made of stainless steel
- Angles 55° whitworth or 60° metric
- For checking and set screw cutting tools, and check the angle and pitch of screw thread Angle

Unit:mm

Code	Thread type	Angle	Graduation
1041-2205-A	Metric 60°	60°	0.5,1
1041-2210-A	Unified 60°	60°	14ths and 20ths on front side,24ths and 32ths on back side
1041-2215-A	Whitworth 55°	55°	14ths and 20ths on front side,24ths and 32ths on back side

HOBBY DRILL GAUGE

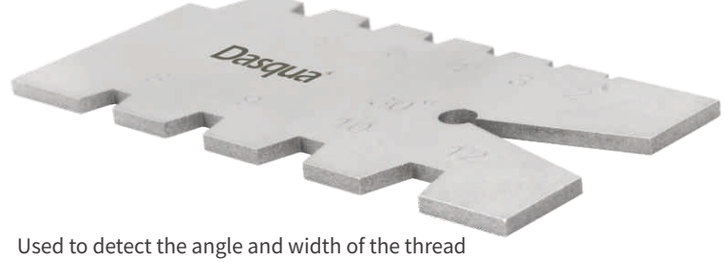


- 29 Measuring holes
- Easy to identify the drill bit sizes
- Made from premium stainless steel for better durability
- Etched markings for easy reading and wear off resistance

Unit:mm

Code	Hole Size	Dimension	Accuracy
1005-0005	1/16" to 1/2" in 1/64th increments	2-3/8" x 6-3/4"	±1/64"

THREAD CUTTING GAUGE



- Used to detect the angle and width of the thread cutting tool and set the position of the thread cutting tool
- For grinding & setting tools when cutting Acme threads
- Made of hardened stainless steel, wear resistance, long service life
- Used for woodworking, metalworking, machine, equipment and many other industries
- Laser etched graduations, satin chrome finish
- Fine machined edges

Unit:mm

Code	Range	Thread type	Pitch
1041-0007-A	2-12	Tr30°	2,3,4,5,6,7,8,9,10,12

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TURNING TOOLS/TRAPEZOIDAL THREAD GAUGE

- V thread, 55° and 60°
- Made of stainless steel
- Template for measuring angles lathe knives
- Trapezoidal thread, DIN 103, pitch 2 - 12 mm / cutting angle 40° - 80°

Unit:mm

Code
1005-0040

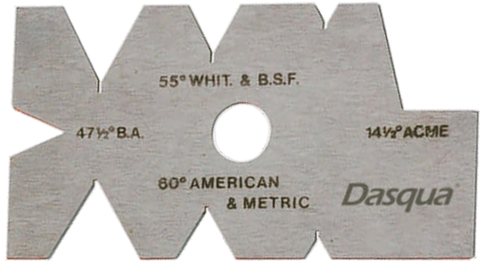
TURNING TOOLS/TRAPEZOIDAL THREAD GAUGE

- Made of stainless steel
- Universal template for all sharp and flat threads
- Flat Threads 2, 2.5, 3, 3.5, 4, 4.5, 5, 6, 7, 8 (TPI),
  Angle Threads 45°, 53.8°, 55°, 60°, 70°

Unit:mm

Code
1041-0030

ACME THREAD CUTTING GAUGE

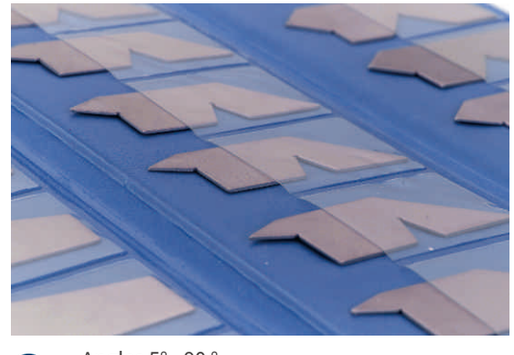


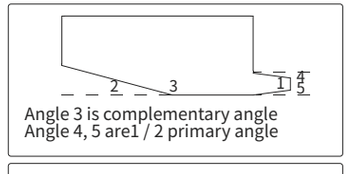
- For grinding & setting tools when cutting Acme threads
- SAE 60° / Ww-BSF 55° / 14.5° ACME / 47.5° BA
- Stainless steel with satin chrome finish
- Laser etched graduations

Unit:mm

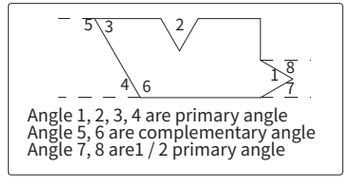
Code	Thickness	Thread type
1041-0006	1	60°American&Metric/55°Whit&B.S.F/47-1/2°BA/14-1/2°Acme

18PCS ANGLE GAGE SET





Angle 3 is complementary angle
Angle 4, 5 are1 / 2 primary angle



Angle 1, 2, 3, 4 are primary angle
Angle 5, 6 are complementary angle
Angle 7, 8 are1 / 2 primary angle

- Angles 5° - 90 °
- Stainless steel material
- Each gage checks primary,1/ 2 primary and complimentary angles
- Quick and accurate inspection of angle and I.D or O.D chamfers in or out of the machine

Code	Amount(Pcs)	Primary angle	1/2 Primary angle	Complementary angle
1320-0005	18	5-90°,step:5°	2.5-45°	175-90°,step:5°

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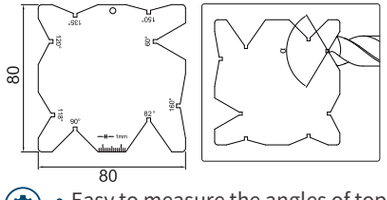
ANGLE GAUGE

- Fine machined edges
- Made of hardened stainless steel
- The blade ends are beveled at various angles

Unit:mm

Code	Range	Amount(Pcs)	Including	Accuracy
1420-1025-A	1°-45°	20	1 ° / 2 ° / 3 ° / 4 ° / 5 ° / 6 ° / 7 ° / 8 ° / 9 ° / 10 ° / 12 ° / 14 ° / 16 ° / 18 ° / 20 ° / 25 ° / 30 ° / 35 ° / 40 ° / 45 °	±30'

UNIVERSAL CUTTER POINT ANGLE GAUGE

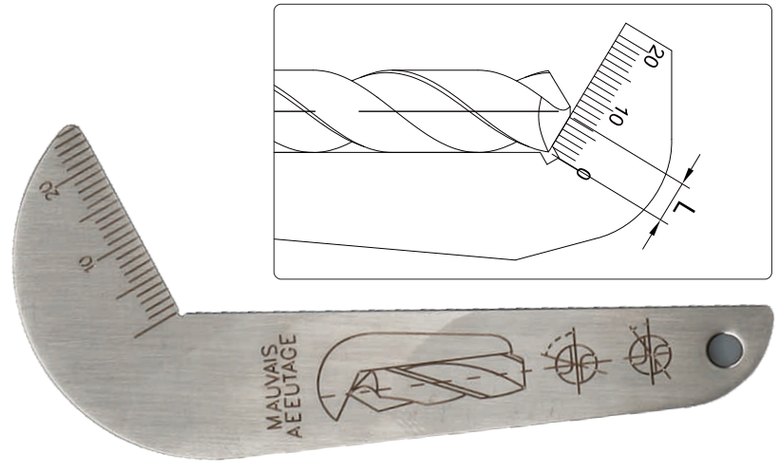


- Easy to measure the angles of top point of drills and countersinks
- Made of premium polished stainless steel
- Thickness: 1.0mm, size: 80x80mm

Unit:mm

Code	Thickness	Size	Graduation	Accuracy
8511-0005	1.0	80x80	60°/82°/90°/118°/120°/135°/150°/160°	±0.5°

DRILL GRINDING GAUGE



- Used to check if the center of tip is concentric with the drill body
- Used for twist drills with cone angle 118°
- Made of premium polished stainless steel
- Hardened, precision ground and lapped

Unit:mm

Code	Range	Accuracy	
		Angle	Length
8511-0010	tip angle 118°,up to Φ50mm	±0.5°	±0.5

DRILL GAUGE

- With Adjustable Pointer
- Made of Stainless steel
- with adjustable angle from 30° to 160°
- Measuring angle of drills up to Dia. 60mm

Unit:mm

Code
1005-0020

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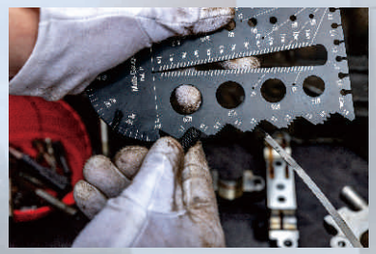
MARKING BLACK

Precision Layout Solution

Gage Holes
Measure the Major Diameter of Bolt

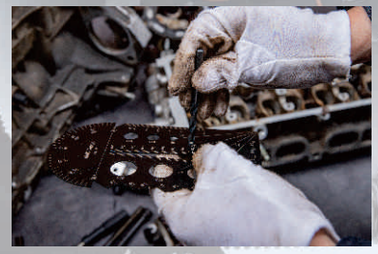
Gage Holes
Select Right Size Drills



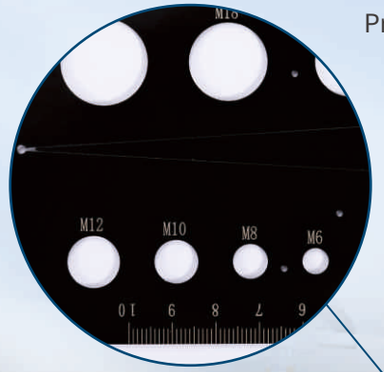
Pitch Size
Measure the Thread

Bolt Length
Measure Length

Gage Leg
Quick-Check Perpendicularity



Slot Size
Measure Bore Diameter



- **BLACK ANODIZED**
  Protective anti-rust coating

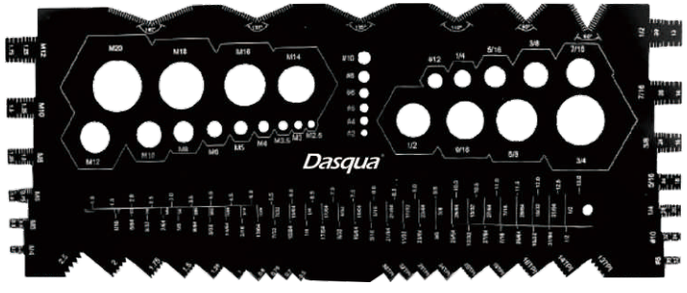
- **CNC MACHINED**
  High accuracy & High repeatability
  & Grounded measuring face

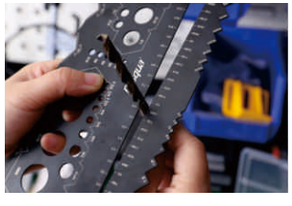
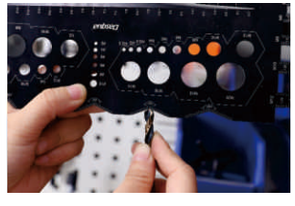
- **LASER-ENGRAVING SCALE**
  Black lines & figures against
  the sand blasted finish

Code	Product	Style	Size	Pitches	Hole Dia. For Bolt	Slot for Wire and Washer	Remark
8511-0067	Multigauge single piece	Metric	90mm*170mm*1.25mm	0.3mm-3.0mm	M3 - M20	0.8mm - 2.5mm	Can be ordered independently
8511-0068		Inch	3.5"*6.7"*0.05"	10 - 40TPI	No 5-3/4"	0.024" - 0.25"	
1804-1405	Marking Black set	Metric	/				Combination Kit
1804-1406		Inch					

COMBINED TURNING AND THREAD CUTTING GAUGE

BLACK FINISH



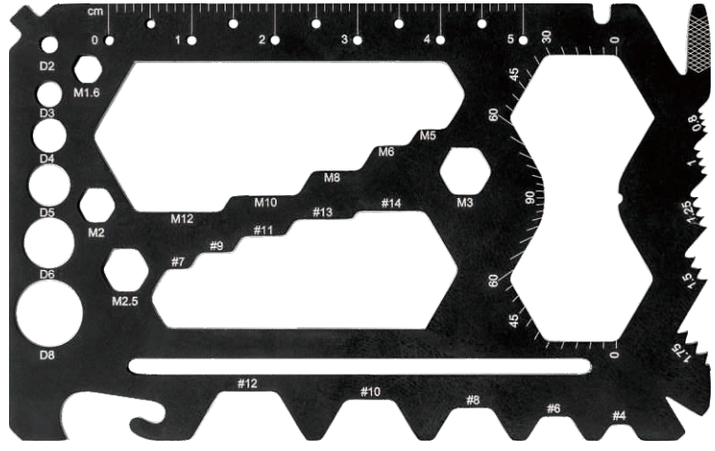
- Bolt & Screw Gauge:
  Metric: M2.5, M3, M3.5, M4, M5, M6, M8, M10, M12, M14, M16, M18,M20
  Imperial: #2, #4, #5, #6, #8, #10, #12, 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"
- Nut Internal Thread Gauge:
  Metric: M4, M5, M6, M8, M10, M12
  Imperial: #8, #10, 1/4", 5/16", 3/8", 7/16", 1/2"
  Drill Point Angle: 140°, 135°, 130°, 118°, 90°, 60°
- Thread Pitch:
  Metric: 0.5, 0.7, 0.75, 0.8, 1, 1.25, 1.5, 1.75, 2, 2.5
  Imperial: 36TPI, 32TPI, 28TPI, 24TPI, 20TPI, 18TPI, 16TPI, 14TPI, 13TPI
- Taper Gauge:
  Metric:1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0, 10.5, 11.0, 11.5, 12.0, 12.5, 13.0
  Imperial: 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", 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"

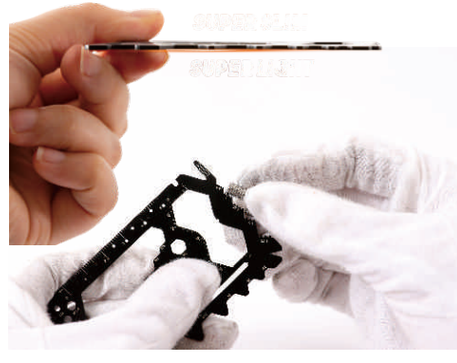
Unit:mm

Code
8511-0069

MULTI-TOOL CARD

22 FUNCTION IN 1



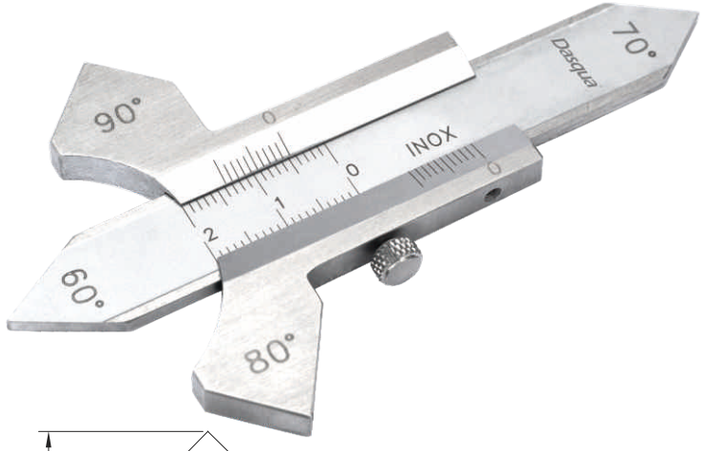


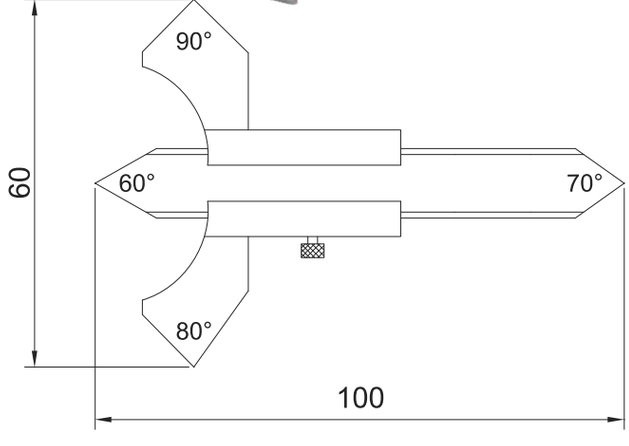
Unit:mm

Code
1041-0009

WELDING GAUGE

BEST SELLER





- Used to check the height of weld seam, thickness of fillet weld, bevel angle, etc
- Made of stainless steel, polished
- Measuring range: 20mm
- Slide with clamping screw

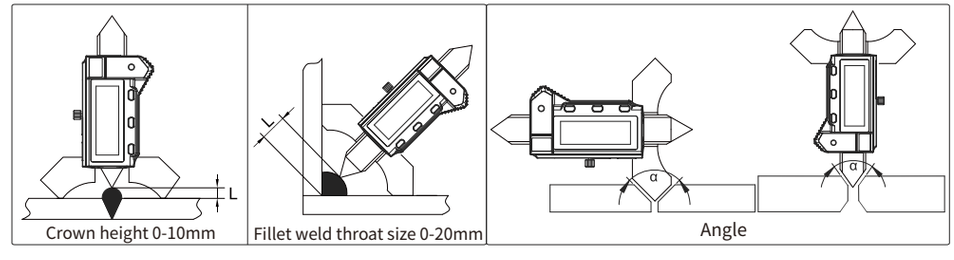
Unit:mm

Code	Angles	Range*Graduation
8531-0005	60°,70°,80°,90°	20x0.1

DIGITAL WELDING GAUGE

mm/in/F

Battery + LR44

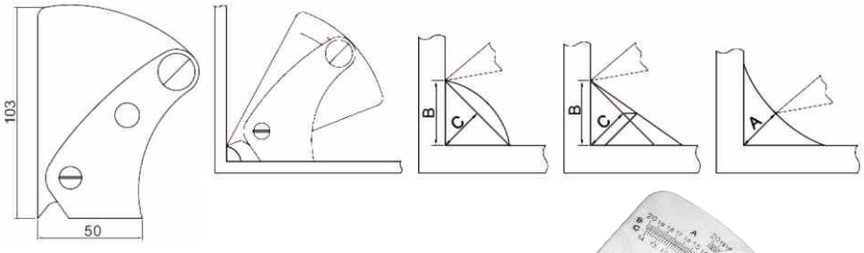


- 60° 70° 80° 90° angle measuring
- Seam crown height inspection
- Fillet weld throat size inspection
- Made of stainless steel, hardened and ground
- LCD display with clear reading, zero-setting at any position
- On/O ffbutton, reading switchable mm/inch
- With data output

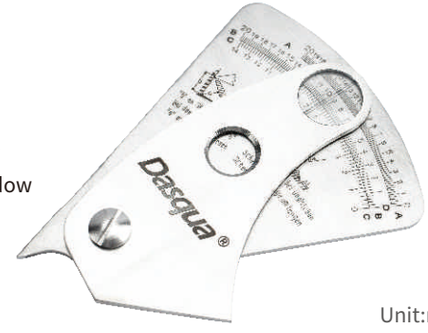
Unit:mm

Code	Range	Resolution	Accuracy
8530-1005	0-10/0-20	0.01/0.0005"/1/128"	±0.03

WELD SEAM GAUGE



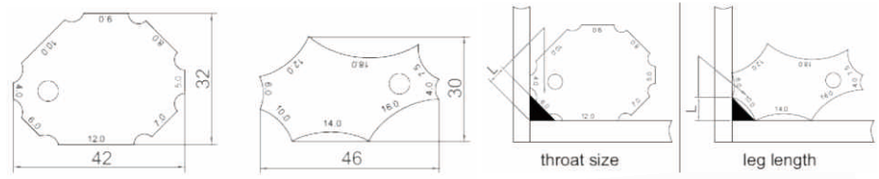
- Made of top-grade stainless steel
- Easy to read the result due to the reference line in the reading window
- Quick and easy inspection of welding seam heights



Unit:mm

Code	Graduation	Accuracy
1005-0025	0.2	±0.3mm

WELD SEAM GAUGE



- To measure all parameters of a weld in millimeters, before and after welding for any welded joints
- Made of stainless steel
- Engraving of measurements on both sides

Unit:mm

Code	Throat size	Leg length	Accuracy
1005-0035	4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 12.0 (mm)	4.0, 6.0, 7.5, 10.0, 12.0, 14.0, 16.0, 18.0 (mm)	±0.5mm

WELD SEAM GAUGE

- For checking welding seams in right-angled corners
- 12 blades, held fan-shaped by a ring(3/3.5/4/4.5/5/5.5/6/6.5/7/8/10/12 mm)

Unit:mm

Code	Graduation	Accuracy
1005-0030	1005-00303-12mm	12

WELD SEAM GAUGE

- Made of stainless steel
- 4 pieces welding gauge key with handy key chain
- Use for checking fillet leg size and throat size
- Pocket size, easy to carry
- Standard reading and laser engraving

Unit:mm

Code	Throat size	Leg length	Accuracy
8511-0090	4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 12.0 (mm)	4.0, 6.0, 7.5, 10.0, 12.0, 14.0, 16.0, 18.0 (mm)	±0.5mm

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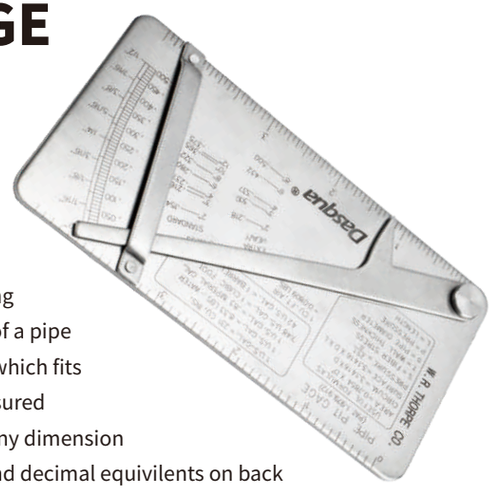
PIPE PIT GAUGE

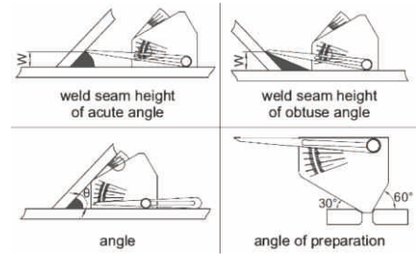


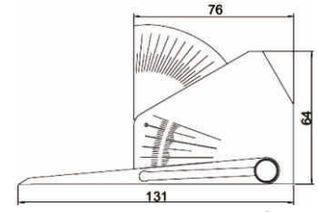
- Made of stainless steel
- Pocket size for easy carrying
- Laser engraving for clear reading
- Used to identify the condition of a pipe
- The indicator arm has a stylus which fits into the pits of pipe being measured
- Arm can be locked in place at any dimension
- Has handy formulas on front and decimal equivilents on back

Unit:mm

Code	Range	Graduation
1005-0055	0 - 0,5"	10mils and 1/16"

WELD SEAM GAUGE



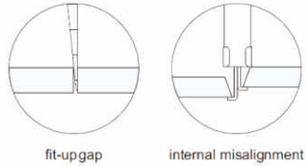


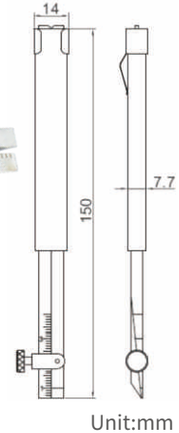
- Made of stainless steel
- Laser engraving for clear reading
- Calculating card included
- To check angle of vertical member, weld acute side and weld obtuse side

Unit:mm

Code	Measurement	Range	Graduation	Accuracy
1005-0060	Weld seam height	0-50mm/0-2"	2mm/0.05"	±1mm
	Angle	30°-90		±1°
	60° angle	/	/	±0.5°

SINGLE PURPOSE HI-LO WELDING GAUGE



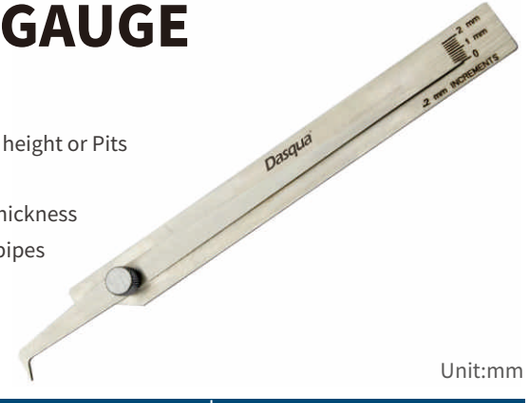


- Used to determine internal misalignment
- Made of stainless steel

Unit:mm

Code	Measurement	Range	Graduation	Accuracy
1005-0065	internal misalignment	0-30	1	±0.5
	fit-up gap	0.7-4	0.1	±0.1

WELD SEAM GAUGE

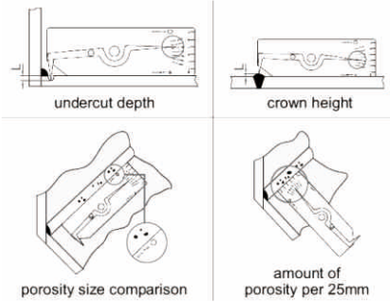


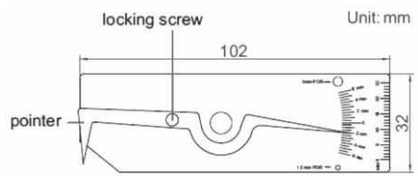
- To check undercuts, crown height or Pits
- Made of stainless steel
- Used to measure the wall thickness of structures like plates or pipes

Unit:mm

Code	Graduation	Accuracy
8511-0100	0-2	0.2

WELD SEAM GAUGE





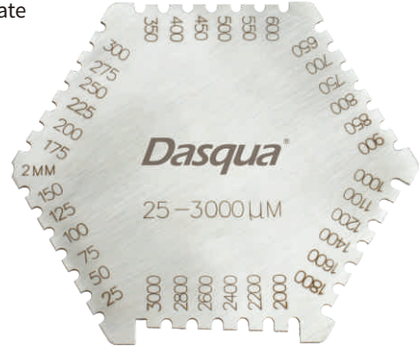
- Made of stainless steel
- Pointer can be locked for later reference

Unit:mm

Code	Measurement	Range	Graduation	Accuracy
1005-0070	undercut depth	0-6mm	0.5	±0.5
	crown height	0-6mm	0.5	±0.5
	porosity size comparison	1.5mm, 3mm	/	±0.2
	amount of porosity per 25mm	25mm	1	/

WET FILM THICKNESS GAUGE

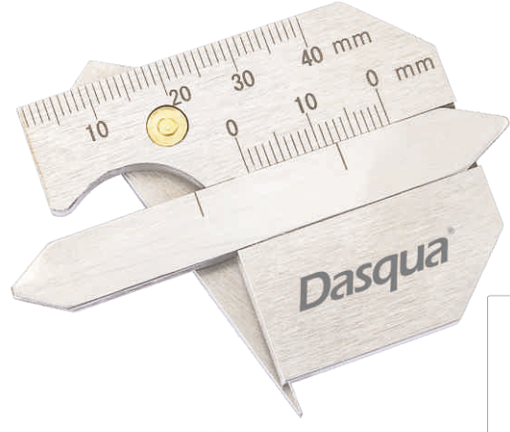
- Practical and convenient, easy to operate
- Made of stainless steel
- The interval division is detailed and having high measuring precision Range in details:25,50,75,100,125,150, 175,200,225,250,275,300,350,400,450, 500,550,600,650,700,750,800,850,900, 1000,1100,1200,1400,1600,1800,2000, 2200,2400,2600,2800,3000um
- To measure the coating thickness of paint, varnish, etc

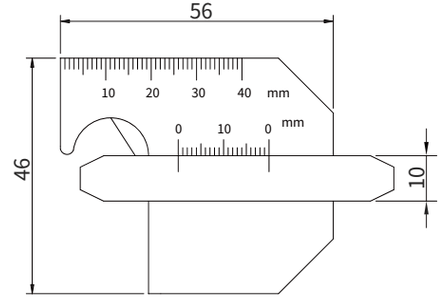


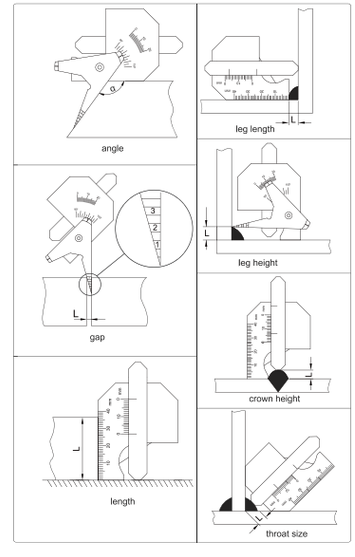
Unit:mm

Code	Range
1041-0015	25-3000μm

WELDING GAUGE







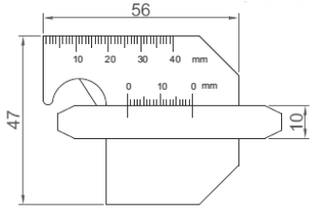
- Automatic weld size measuring
- Satin chrome plated surface
- Check the throat of fillet weld to determine the leg size of the fillet weld
- For accurate calibration of butt and fillet type welds
- Made of stainless steel, hardened and ground

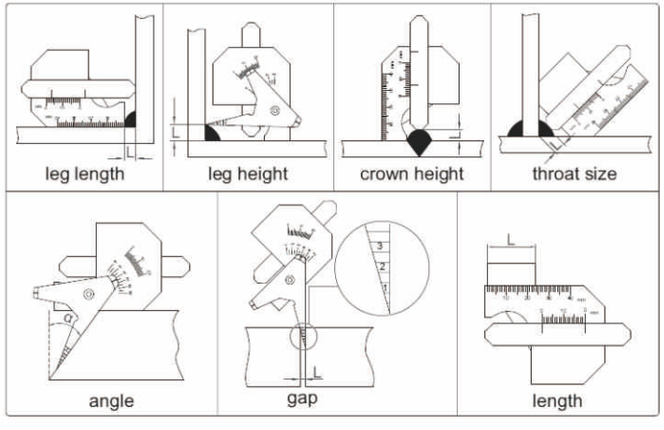
Unit:mm

Code	Measurement	Range	Graduation	Accuracy
8511-0015	Leg Length	0-10	1	±0.5
	Leg Height	0-20	1	±0.5
	Crown Height	0-10	1	±0.5
	Throat size	0-10	1	±0.5
	Angle	90°-150°	5°	±1°
	Gap	1-3	1	±0.5
	Length	0-40	1	±0.5

J

WELD SEAM GAUGE





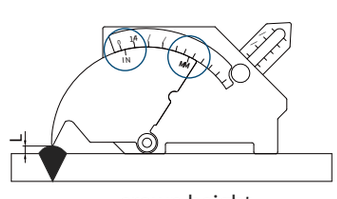
- Made of stainless steel
- Satin chrome plated surface
- Used to measure different groove angles, heights, widths, gaps and undercut depths of welding parts with wide application
- Made up of four parts, including main ruler, height ruler, undercut depth ruler and multi-purpose ruler

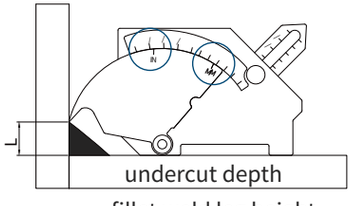
Unit:mm

Code	Range	Graduation	Measurement	Accuracy
8511-0075	0-20mm	1mm	Leg length	±0.3mm
	0-40mm	1mm	Leg height	±0.3mm
	0-20mm	1mm	Crown height	±0.3mm
	0-10mm	1mm	Throat size	±0.3mm
	0-90°	5°	Angle	±1°
	1-3mm	0.5mm	Gap	±0.2mm
	0-40mm	1mm	Length	±0.3mm

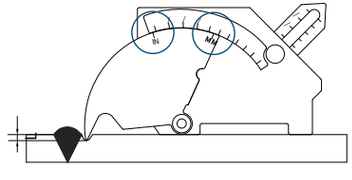
BRIDGE CAM WELDING GAUGE

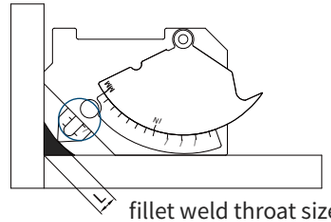
BEST SELLER

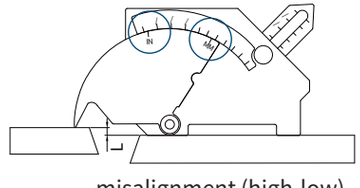

crown height

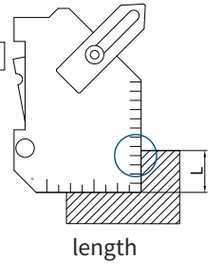


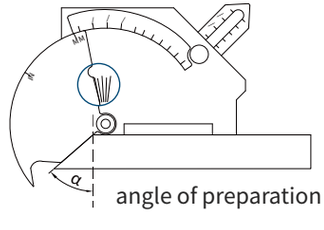
fillet weld leg height




fillet weld throat size

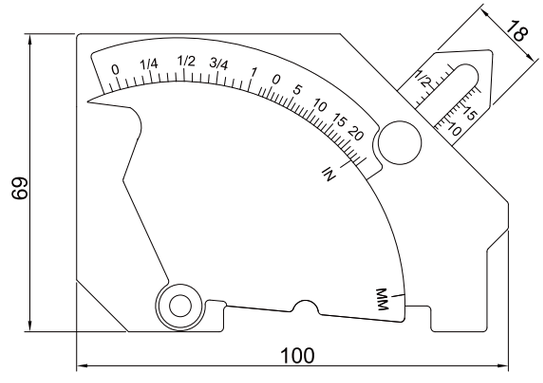

misalignment (high-low)


length



angle of preparation

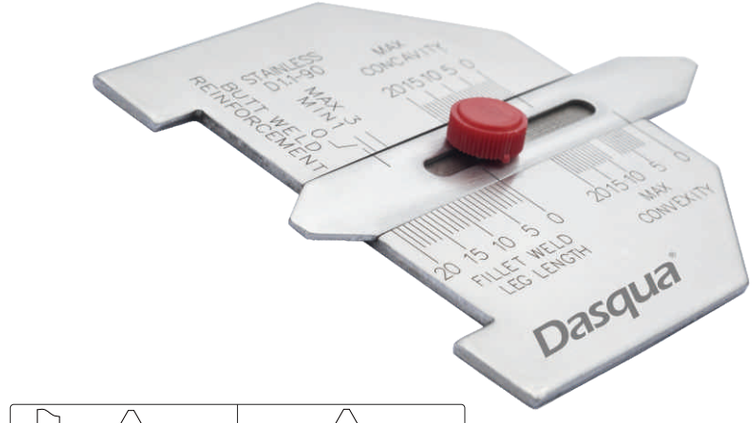
WELDING GAUGE

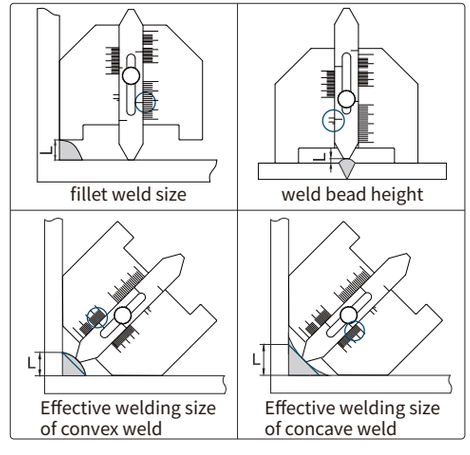


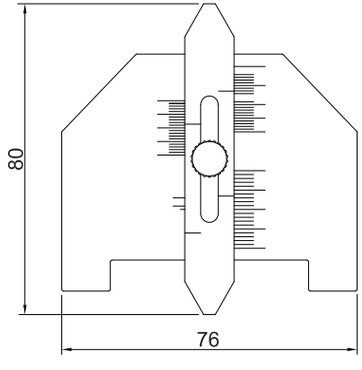
- Bridge cam gauge is a unique, versatile instrument for the inspection of welded surfaces and joints
- Made of high quality stainless steel, this gauge is durable and not easily scratched
- Gauge surface is clearly laser etched which is wear-resisting and ensures a clear reading
- Used to measure angle of preparation(0 to 60degree), excess weld metal (capping size), depth of undercut, fillet weld throat size, fillet leg length, misalignment (high-low), and linear measurements up to 50mm(2 inches)
- Satin chrome finish surface

Unit:mm

Code	Measurement	Range	Graduation	Accuracy
8511-0030	Crown height	0-25(0-1")	1(1/16")	±0.5
	fillet weld leg height	0-25(0-1")	1(1/16")	±0.5
	misalignment(high-low)	0-25(0-1")	1(1/16")	±0.5
	undercut depth	0-2(0-1/8")	1(1/16")	±0.5
	fillet weld throat size	0-20(0-3/4")	1(1/16")	±0.5
	angle of preparation	0-60°	5°	±1°
	Length	0-60(0-2")	1(1/16")	±0.5







- For accurate calibration of butt and fillet type welds
- Used to measure reinforcement, fillet convexity / concavity throat and leg length
- Made of stainless steel, hardened and ground
- Satin chrome finish surface

Unit:mm

Code	Measurement	Range	Graduation	Accuracy
8511-0020	fillet weld size	0-20	1	±0.5
	weld bead height	0-3	_	±0.5
	Effective welding size of convex weld	0-20	1	±0.5
	Effective welding size of concave weld	0-20	1	±0.5

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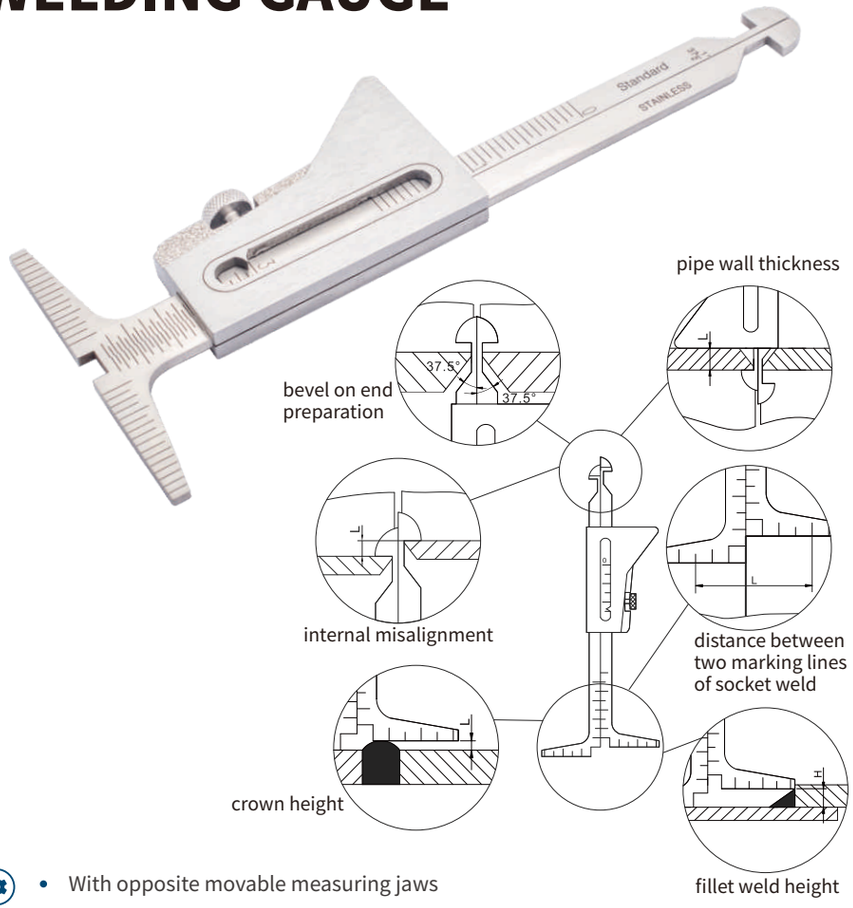
WELDING GAUGE

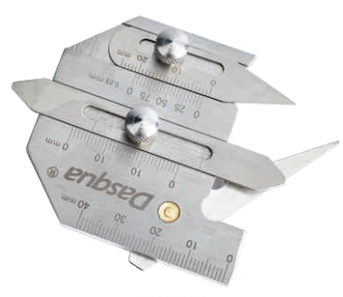


- With opposite movable measuring jaws
- For pipe welds up to 35 mm wall thickness
- Measure internal misalignment of pipe before and after tacking
- Measure internal alignment of pipe after fit-up alignment, cuts radiographic rejects
- Made of stainless steel, hardened and ground, polished surfaces
- With reading window, with fixing screw

Unit:mm

Code	Measurement	Range	Graduation	Accuracy
8511-0025	bevel on end preparation	37.5°	–	±1°
	pipe wall thickness	0-45(0-1-3/4")	1(1/16")	±0.5
	internal misalignment	0-30(0-1-1/4")	1(1/32")	±0.5
	crown height	0-35(0-1-3/8")	1(1/32")	±0.5
	distance between two marking lines of socket weld	11-61(7/16"-2-13/32")	1(1/16")	±0.5
	fillet weld height	0-30(0-1-1/4")	1(1/32")	±0.5

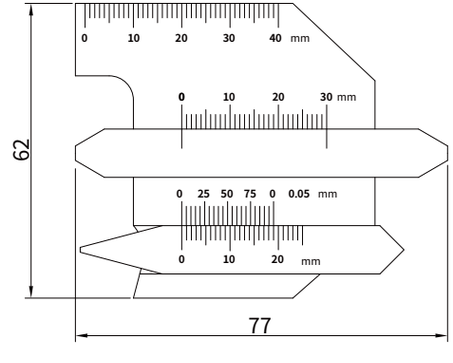
WELDING GAUGE

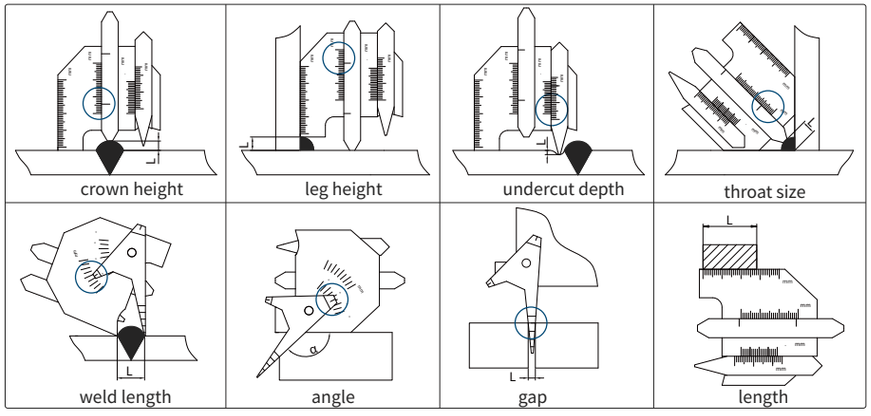


● 8511-0035

● 8511-0040

● the reverse side



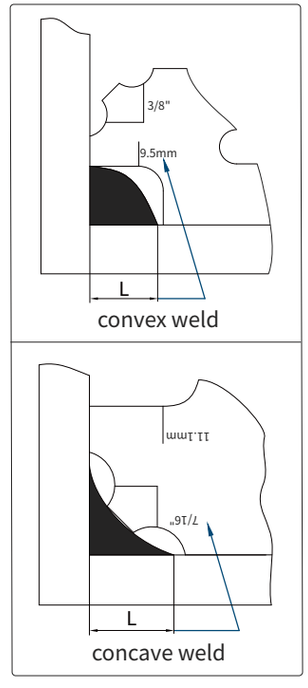


- Used for the measurement of the bevel angle, height, width, gap and undercut depth of weld
- Suitable for the detection of boilers, bridges, ships, pressure vessels and oil pipes
- The gauge consists of four components: main scale, height gauge, undercut depth gauge and multiple-purpose gauge
- Made of stainless steel, hardened and ground
- Satin chrome finish surface

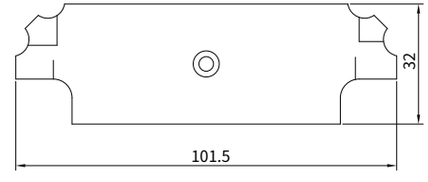
Unit:mm

Code	Measurement	Range	Graduation	Accuracy
8511-0035	crown height	0 - 10	1	±0.5
	leg height	0 - 15	1	±0.5
	undercut depth	0 - 5	0.05	±0.05
	throat size	0 - 13	1	±0.5
	weld length	0 - 40	1	±1
	angle	90° - 150°	5°	±1°
	gap	1- 5	2	±1
	length	0 - 40	1	±0.5
8511-0040	crown height	0 - 10	1	±0.5
	leg height	0 - 15	1	±0.5
	undercut depth	0 - 5	0.05	±0.05
	throat size	0 - 13	1	±0.5
	weld length	0 - 40	1	±1
	angle	90° - 150°	5°	±1°
	gap	1- 5	2	±1
	length	0 - 40	1	±0.5
8511-0041	crown height	0 - 15	1	±0.5
	leg height	0 - 15	1	±0.5
	undercut depth	0 - 5	0.05	±0.05
	throat size	0 - 13	1	±0.5
	weld length	0 - 60	1	±1
	angle	80° - 160°	5°	±1°
	gap	1- 5	2	±1
	length	0 - 50	1	±0.5

FILLET WELDING GAUGE



● 8511-0050



- Permits quick and accurate measuring of the most popular weld fillet sizes in imperial: 1/8"-1" and metric: 3.2mm-25.4mm
- All sizes and numbers are etched into the surface for clear and easier reading
- Check convex & concave weld
- 7 blades are included
- Made of stainless steel
- Satin chrome finish surface

Unit:mm

Code	Size	Accuracy
8511-0045	3,4,5,6,8,9,10,11,12,14,16,19,22,25	±0.05mm
8511-0050	1/8"(3.2),3/16"(4.8),1/4"(6.4) 5/16"(7.9),3/8"(9.5),7/16"(11.1) 1/2"(12.7),5/8"(15.9),3/4"(19.1),7/8"(22.2),1"(25.4)	±0.02"(0.5)

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7 PIECES WELDING GAUGE SET

Product list:

- 4111-8105 Outside Micrometer, Range*Graduation: 0-25mm*0.01mm
- 8511-0025 Welding Gauge
- 8511-0035 Welding Gauge with screw locking, size L*W=62*77mm
- 1005-0070 Weld Seam Gauge
- 9000-0150 Steel Ruler 150mm/6''
- 3026-1000 Magnifier with 4 lights, Bifocal, Magnification: 2X,6X
- 3026-2000 LED Telescoping inspection mirror, length 280-870mm

Unit:mm

Code	8511- 0091

10 PIECES WELDING GAUGE SET

Product list:

- 4111-8105 Outside Micrometer 0-25mm*0.01mm
- 8511-0025 Welding Gauge
- 8511-0035 Welding Gauge with screw locking, size L*W=62*77mm
- 1005-0070 Weld Seam Gauge
- 9000-0150 Stainless steel ruler 150mm
- 3026-1000 Magnifier 4 lights, Bifocal, Magnification: 2X,6X
- 3026-2000 LED Telescoping inspection mirror length 280-870mm, Mirror dia 80mm
- 9315-1115 90°Flat Edge Square 100*70mm,DIN875/0
- 8531-0005 Weld Seam Gauge 20mm*0.1mm
- 8511-0030 Bridge Cam Welding Gauge

Unit:mm

Code	8511- 0093

12 PIECES WELDING GAUGE SET

Product list:

- 4111-8105 Outside Micrometer 0-25mm*0.01mm
- 8511-0025 Welding Gauge
- 8511-0035 Welding Gauge with screw locking, size L*W=62*77mm
- 1005-0070 Weld Seam Gauge
- 9000-0150 Stainless steel ruler 150mm
- 3026-1000 Magnifier 4 lights, Bifocal, Magnification: 2X,6X
- 3026-2000 LED Telescoping inspection mirror length 280-870mm, Mirror dia 80mm
- 9315-1115 90°Flat Edge Square 100*70mm,DIN875/0
- 8531-0005 Weld Seam Gauge 20mm*0.1mm
- 8511-0030 Bridge Cam Welding Gauge
- 1120-3115 Vernier Caliper 0-150mm/0-6"*0.05mm/ 1/128"
- 1813-0100 Feeler Gauge With 100mm Length 13pcs*0.05-1.0mm
  (0.05-0.10-0.15-0.20-0.25-0.30-0.40-0.50-0.60-0.70-0.80-0.90-1.0)

Unit:mm

Code	8511- 0098

16PC WELDING GAUGE SET

Product list:

- 8511-0041 Welding gauge
- 8511-0035 Welding gauge
- 8511-0015 Welding guage
- 8511-0030 Bridge cam welding gauge
- 8511-0045 Fillet welding gauge
- 8511-0050 Fillet welding gauge
- 1005-0055 Pipe Pit Gage
- 1005-0060 Welding gauge
- 8521-0005 Taper gauge
- 8521-0010 Taper gauge
- 8521-0015 Taper gauge
- 1005-0025 Weld Seam Gauge
- 8511-0025 Hi-lo welding gauge
- 1005-0065 Weld Seam Gauge
- 1005-0070 Weld Seam Gauge
- 8511-0020 Welding gauge
  Alu case x1

Unit:mm

Code	8511- 0070

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MEASURING TOOLS KIT

BORN IN ITALY, RAISED BY THE WORLD

02-13 MEASURING TOOLS KIT

NEW 2PCS GENERAL PURPOSE MEASURING SET

Product list:

- 2000-2005 New digital caliper
- 4230-2005 New digital micrometer

Unit:mm

Code	Covering	Range	Resolution	Accuracy
2210-8295	2000-2005	150/0-6"	0.01/0.0005"	0.02/0.001"
	4230-2005	25/0-1"	0.001/0.00005"	0.003/0.00015"

CALIPER WITH DEPTH BASE ATTACHMENT SET

- 2210-8275

- 2210-8285

Product list:

- Digital/Dial caliper
- Depth base attachment 3001-1001

Unit:mm

Code	Content
2210-8270	2000-2005 Digital caliper 0-6"/150mm*0.01mm/0.0005" 3001-1001 Depth Base Attachment
2210-8275	1331-2115 Dial caliper 0-150mm*0.02mm 3001-1001 Depth Base Attachment
2210-8280	1332-4115 Dial caliper 0-6"*0.001" 3001-1001 Depth Base Attachment
2210-8285	1332-4115 Dial caliper 0-6"*0.001" 3001-1001 Depth Base Attachment, wooden box

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4PCS GENERAL PURPOSE MEASURING SET

Product list:

- 1120-3115 Monoblock Vernier Caliper
- 4111-8105 Outside Micrometer
- 9111-1115 90°Beveled Edge Square
- 9000-3100 Steel Ruler

Unit:mm

Code	Covering	Range	Graduation	Accuracy
2210-8203	1120-3115	0-150/0-6"	0.05/1/128"	0.05
	4111-8105	0-25/0-1"	0.01	0.004
	9111-1115	90°	/	0.007
	9000-3100	0-150/0-6"	0.5/1.0/1/64"/1/32"/1/16"	/

4PCS GENERAL PURPOSE MEASURING SET

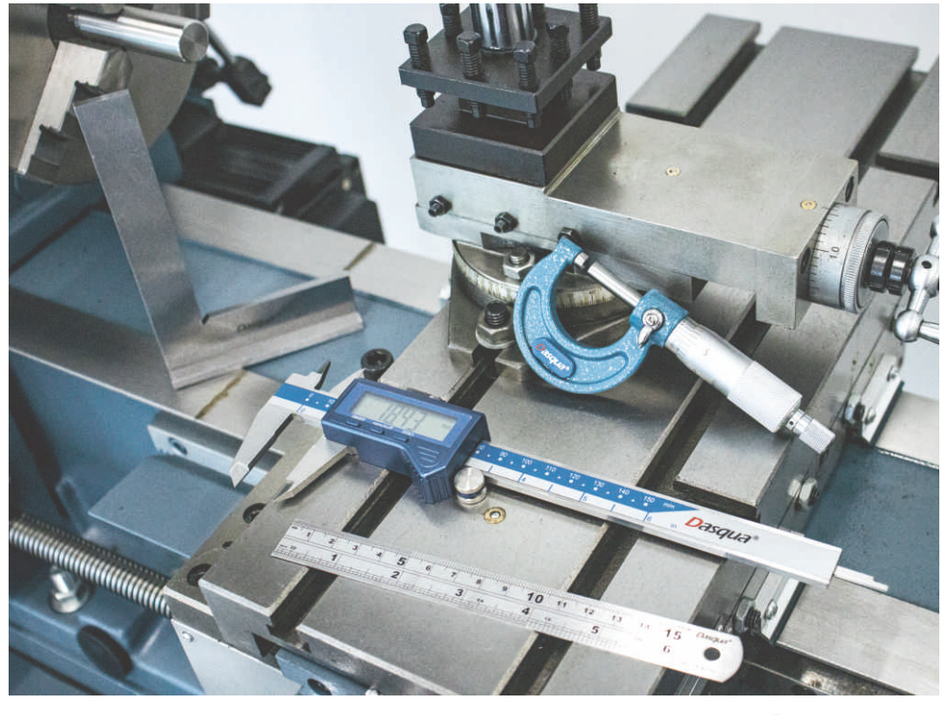
Product list:

- Big Screen Digital Caliper
- Outside Micrometer
- 90°Beveled Edge Square
- Steel Ruler

Unit:**mm**

Code	Covering	Range	Graduation/Resolution	Accuracy
2210-8206	1804-1065	0-150/0-6"	0.01/0.005"	0.02/0.001"
	4112-0105	0-1"	0.0001	0.004
	9211-4000	90°	/	0.007
	9000-3100	0-150/0-6"	0.5/1.0/1/64"/1/32"/1/16"	/

4PCS GENERAL PURPOSE MEASURING SET



Product list:

- 1804-1065 Big Screen Digital Caliper
- 4111-8105 Outside Micrometer
- 9111-1115 90°Beveled Edge Square
- 9000-3100 Steel Ruler

Unit:mm

Code	Covering	Range	Graduation/Resolution	Accuracy
2210-8204	1804-1065	0-150/0-6"	0.01/0.005"	0.02/0.001"
	4111-8105	0-25	0.01	0.004
	9111-1115	90°	/	0.007
	9000-3100	0-150/0-6"	0.5/1.0/1/64"/1/32"/1/16"	/

BEGINNER SET

Metric

Product list

- 2210-8315

Inch

Product list

- 2210-8320

PRO SET

Metric

Product list

- 2210-8325

Inch

Product list

- 2210-8330

ADVANCED SET

Metric

Product list

- 2210-8335

Inch

Product list

- 2210-8340

Unit:mm

Code	Covering	Range	Graduation	Accuracy
2210-8315	4111-8105	0-25	0.01	0.004
	1120-3115	0-150/0-6"	0.01/0.0005"	0.02/0.001"
	9000-3120	0-150/0-6"	0.5/1.1/1/64"/1/32"/1/16"	/
2210-8320	4112-0105	0-1"	0.001"	0.0002"
	1120-3115	0-150/0-6"	0.01/0.0005"	0.02/0.001"
	9000-3120	0-150/0-6"	0.5/1.1/1/64"/1/32"/1/16"	/
2210-8325	4111-8105	0-25	0.001"	0.004
	2000-2005	0-150/0-6"	0.01/0.0005"	0.02/0.001"
	1804-0804	0-300/0-12"	0.5/1.1/1/64"/1/32"/1/16"	/
2210-8330	4112-0105	0-1"	0.001"	0.0002"
	1332-4110	0-6"	0.001"	±0.00065"
	1804-0804	0-300/0-12"	0.5/1.1/1/64"/1/32"/1/16"	/
2210-8335	2000-2005	0-150/0-6"	0.01/0.0005"	0.02/0.001"
	1500-0058	Metric 60°24pcs/0.25-6.00mm Whitworth 55°/28pcs/4-62TPI GAS 55°6pcs.8-28	/	/
	9211-1120	90°, 150x100	/	/
	1804-0804	0-300/0-12"	0.5/1.1/1/64"/1/32"/1/16"	/
2210-8340	2000-2005	0-150/0-6"	0.01/0.0005"	0.02/0.001"
	1500-0058	Metric 60°24pcs/0.25-6.00mm Whitworth 55°/28pcs/4-62TPI GAS 55°6pcs.8-28	/	/
	9211-4000	90°, 6x4"	/	/
	1804-0804	0-300/0-12"	0.5/1.1/1/64"/1/32"/1/16"	/

FLEX CHROME MAGNETIC BASE

WITH DIAL INDICATOR SET

Product list:

- 7611-1015 Flex chrome magnetic base
- Dial Indicator(5111-0000 Metric;5122-4210 Inch)
- 5111-1010 magnetic lug back

Unit:mm

Code	Difference	Range	Graduation	Holding power
7611-2005	Inch indicator	0-1"	0.001"	60KG
7611-1005	Metric indicator	0-10	0.01	60KG

FLEX CHROME MAGNETIC BASE

WITH DIAL INDICATOR SET

Product list:

- 7611-1015 Flex chrome magnetic base
- 5111-1010 magnetic lug back
- 5340-8110 Absolute Digital Indicator

Unit:mm

Code	Range	Resolution	Holding Power
7611-0010	0-1"/0-25	0.0005"/0.01	60KG

FLEX CHROME MAGNETIC BASE

- Chrome plated flex arm
- With magnetic base
- Base can be mounted vertically as well as horizontally
- V-bottom base allows mounting on cylindrical surfaces
- Adjusts to virtually any position

Unit:mm

Code	Holding Power	Dia of Clamp Hole
7611-1015	60kg	Φ8mm, Φ4mm, Φ3/8"

MAGNETIC BASE

WITH DIAL INDICATOR SET

● 7611-1010

● 7611-1012
7611-2010

Product list:

- Optional dial Indicator
- Optional magnetic base

Unit:mm

Code	Range	Dial indicator code	Magnetic base code	Class
7611-1012	0-10	5111-0000	7122-0004	Normal Metric
7611-1013	0-10	5111-0000	7312-0010	Classic Metric
7611-1010	0-10	5121-1106	7312-0010	Pro Metric
7611-2010	0-1"	5122-4212	7123-1004	Normal inch
7611-1011	0-1"	5122-4212	7121-0016	Classic inch

MINI UNIVERSAL MAG. BASE

WITH TEST INDICATOR

Product list:

- 5221-0005
- 7312-0004

Unit:mm

Code	Range	Dial code	Base code
7611-0080	0-0.8mm	5221-0005	7312-0004

DISC AND ROTOR FLEX CHROME KITS SET

Product list:

- 7611-0035 Flex chrome shank
- Dial Indicator 5122-4210 inch version 5111-0000 metric version

Unit:mm

Code	Range	Graduation
7611-0026	0-1"	0.001"
7611-0031	0-10	0.01

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6PCS GENERAL PURPOSE MEASURING SET

Product list:

- 1804-1065 Digital Caliper 0-150mm/0-6"
- 4111-8105 Outside Micrometer 0-25mm*0.01mm
- 5111-0000 Dial indicator 0-10mm*0.01mm,Flat back
- 9111-1115 90°Beveled Edge Square100*70mm,DIN875/0
- 2875-4005 Scriber of 175mm with 90° hook
- 9000-3100 Ruler 0-150mm/6"*0.5mm/1.0mm/1/64"/1/32"/1/16"graduation on front and back

Unit:mm

Code	Covering	Range	Graduation	Accuracy
2210-8210	1804-1065	0-150/0-6"	0.01/0.0005"	0.02/0.001"
	4111-8105	0-25/0-1"	0.01	0.004
	5111-0000	0-10	0.01	0.017
	9111-1115	90°	/	0.007
	2875-4005	/	/	/
	9000-3100	0-150/0-6"	0.5/1.0/1/64"/1/32"/1/16"	/

5PCS GENERAL PURPOSE MEASURING SET

Product list:

- 1804-1065 Digital Caliper 0-150mm/0-6"
- 4111-8105 Outside Micrometer 0-25mm*0.01mm
- 5111-0000 Dial indicator 0-10mm*0.01mm,Flat back
- 7122-0004 Magnetic Base with Fine Adjustment 60KG
- 7111-1110 Micrometer Stand

Unit:mm

Code	Covering	Range	Graduation	Accuracy
2210-8220	1804-1065	0-150/0-6"	0.01/0.0005"	0.02/0.001"
	4111-8105	0-25/0-1"	0.01	0.004
	5111-0000	0-10	0.01	0.017
	7122-0004	/	/	/
	7111-1110	up to 100/4"	/	/

7PCS GENERAL PURPOSE MEASURING SET

DIGITAL PRO SET METRIC

Product list:

- 7121-0025 Power Magnetic base 80kg magnetic force
- 2015-2405 IP67 OIL Proof Digital Caliper 0-150mm/6"
- 4410-1105 IP65 Digital Outside Micrometer 0-25mm/1"
- 9000-3120 Steel Rulers 150mm/6"
- 3001-1001 Depth Base Attachment
- 5221-1129 Dial Test Indicator 0.8mm*0.01mm
- 8407-2005 Ultra-Precision 25/50/75mm Blocks

Unit:mm

Code	Covering	Range	Graduation/Resolution	Accuracy
2210-8225	7121-0025	80kg	/	/
	2015-2405	0-150mm/6"	0.01/0.0005"/ 1/128"	0.02/0.001"
	4410-1105	0-25mm/1"	0.001/0.00005"	0.003/0.00015"
	9000-3120	150mm/6"	0.5/1.0/1/64"/1/32"/1/16"	/
	3001-1001	/	/	/
	5221-1129	0.8mm/0.01mm	0.01mm	/
	8407-2005	/	/	/

DIGITAL PRO SET INCH

Product list:

- 7121-0025 Power Magnetic base 80kg magnetic force
- 2015-2405 IP67 OIL Proof Digital Caliper 0-150mm/6"
- 4410-2405 Inch Graduation IP65 Digital Outside Micrometer 0-25mm/1"
- 9000-3120 Steel Rulers
- 3001-1001 Depth Base Attachment 0-0.03"*0.0005"
- 5610-0162 Dial Test Indicator 0-0.03"*0.0005"
- 8407-0005 Ultra-Precision 1-2-3 Blocks

Unit:inch

Code	Covering	Range	Graduation/Resolution	Accuracy
2210-8250	7121-0025	80kg	/	/
	2015-2405	0-150mm/6"	0.01/0.0005"/ 1/128"	0.02/0.001"
	4410-2405	0-25mm/1"	0.001/0.00005"	0.003/0.00015"
	9000-3120	150mm/6"	0.5/1.0/1/64"/1/32"/1/16"	/
	3001-1001	/	/	/
	5610-0162	0-0.03"*0.0005"	0.0005"	/
	8407-0005	/	/	/

DIGITAL NORMAL SET INCH

Product list:

- 7123-1004 Magnetic Base with Fine Adjustment 60KG
- 1804-1065 Digital Caliper 0-150mm/6"
- 4230-2005 Digital Outside Micrometer 0-25mm/1"
- 9000-3120 Steel Rulers 150mm/6"
- 3001-1001 Depth Base Attachment
- 5610-0162 Dial Test Indicator 0-0.03"*0.0005"
- 8407-0010 Precision 1-2-3 Blocks

Unit:mm

Code	Covering	Range	Graduation/Resolution	Accuracy
2210-8230	7123-1004	60KG	/	/
	1804-1065	0-150mm/6"	0.01/0.0005"/ 1/128"	0.02/0.001"
	4230-2005	0-25mm/1"	0.001/0.00005"	0.003/0.00015"
	9000-3120	150mm/6"	0.5/1.0/1/64"/1/32"/1/16"	/
	3001-1001	/	/	/
	5610-0162	0-0.03"*0.0005"	0.0005"	/
	8407-0010	/	/	/

DIGITAL NORMAL SET METRIC

Product list:

- 7122-0004 Magnetic Base with Fine Adjustment 60kg
- 1804-1065 Digital Caliper 0-150mm/6"
- 4230-2005 Digital Outside Micrometer 0-25mm/1"
- 9000-3120 Steel Rulers 150mm/6"
- 3001-1001 Depth Base Attachment
- 5221-0005 Dial Test Indicators 0.8*0.01mm
- 5121-1205 Shock Resistant Dial Indicator 0-10mm*0.01mm

Unit:inch

Code	Covering	Range	Graduation/Resolution	Accuracy
2210-8240	7122-0004	80kg	/	/
	1804-1065	0-150mm/6"	0.01/0.0005"/ 1/128"	0.02/0.001"
	4230-2005	0-25mm/1"	0.001/0.00005"	0.003/0.00015"
	9000-3120	150mm/6"	0.5/1.0/1/64"/1/32"/1/16"	/
	3001-1001	/	/	/
	5221-0005	0.8mm/0.01mm	0.01mm	/
	5121-1205	/	0.01mm	/

VERNIER SET METRIC

Product list:

- 7122-0004 Magnetic Base with Fine Adjustment 60kg
- 1120-3115 Monoblock Vernier Caliper 0-150mm/0-6"*0.05mm/1/128"
- 4111-8105 Outside Micrometer 0-25mm*0.01mm
- 9000-3120 Steel Rulers 150mm/6"
- 3001-1001 Depth Base Attachment
- 5221-0005 Dial Test Indicators 0.8*0.01mm
- 5121-1205 Shock Resistant Dial Indicator 0-10mm*0.01mm

Unit:mm

Code	Covering	Range	Graduation/Resolution	Accuracy
2210-8245	7122-0004	60kg	/	/
	1120-3115	0-150mm/0-6"*0.05mm/ 1/128"	0.01/0.0005"/ 1/128"	0.05/0.002"
	4111-8105	0-25mm/0.01"	0.01	0.004/0.00015"
	9000-3120	150mm/6"	0.5/1.0/1/64"/1/32"/1/16"	/
	3001-1001	/	0.01	/
	5221-0005	0.8*0.01mm	0.01	/
	5121-1205	0-10mm*0.01mm	/	/

VERNIER SET INCH

Product list:

- 7123-1004 Magnetic Base with Fine Adjustment 60kg
- 1120-3115 Monoblock Vernier Caliper 0-150mm/0-6"*0.05mm/1/128"
- 4111-8105 Outside Micrometer 0-25mm*0.01mm
- 9000-3120 Steel Rulers 150mm/6"
- 3001-1001 Depth Base Attachment
- 5610-0162 Dial Test Indicator 0-0.03"*0.0005"
- 8407-0010 Precision 1-2-3 Blocks

Unit:inch

Code	Covering	Range	Graduation/Resolution	Accuracy
2210-8235	7123-1004	60kg	/	/
	1120-3115	0-150mm/0-6"*0.05mm/ 1/128"	0.05"/ 1/128"	0.02/0.001"
	4111-8105	0-25mm/0.01"	0.001/0.00005"	0.003/0.00015"
	9000-3120	150mm/6"	0.5/1.0/1/64"/1/32"/1/16"	/
	3001-1001	/	/	/
	5610-0162	0-0.03"*0.0005"	0.0005"	/
	8407-0010	/	/	/

9PCS GENERAL PURPOSE MEASURING SET

Product list:

- 1804-1065 Digital Caliper 0-150mm/0-6"
- 4111-8105 Outside Micrometer 0-25mm*0.01mm
- 1012-1005 Protractor80*120mm,open Head
- 1501-1024 24pcs Screw pitch gauge 0.25- 7.0mm .Thread Angle: 60°
- 1351-0005 Radius gauge1.0-7.0mm,17 blades
- 1820-0100 20pcs Feeler Gauge 100mm*(0.05-1.0mm)
- 9111-1115 90°Beveled Edge Square100*70mm,DIN875/0
- 2875-4005 Scriber of 175mm with 90° hook
- 9000-3100 Ruler 0-150mm/6"*0.5mm/1.0mm/1/64"/1/32"/1/16" graduation on front and back

Unit:mm

Code	Covering	Range	Graduation	Accuracy
2210-8215	1804-1065	0-150/0-6"	0.01/0.0005"	0.02/0.001"
	4111-8105	0-25/0-1"	0.01	0.004
	1012-1005	0-180°	1°	±10'
	1501-1024	0.25-7(Metric 60°)	/	/
	1351-0005	1.0-7.0	/	/
	1820-0100	0.05-1.0(20pcs)	/	/
	9111-1115	90°	/	0.007
	2875-4005	/	/	/
	9000-3100	0-150/0-6"	0.5/1.0/1/64"/1/32"/1/16"	/

12PCS GENERAL PURPOSE MEASURING SET

Product list:

- 1804-1065 Digital Caliper 0-150mm/0-6"
- 4111-8105 Outside Micrometer 0-25mm*0.01mm
- 5111-0000 Dial indicator 0-10mm*0.01mm,Flat back
- 7122-0004 Magnetic Base with Fine Adjustment 60KG
- 1501-1024 24pcs Screw pitch gauge 0.25- 7.0mm .Thread Angle: 60°
- 1820-0100 20pcs Feeler Gauge 100mm*(0.05-1.0mm)
- 9111-1115 90°Beveled Edge Square100*70mm,DIN875/0
- 9000-3100 Ruler 0-150mm/6"*0.5mm/1.0mm/1/64"/1/32"/1/16" graduation on front and back
- 2875-4005 Scriber of 175mm with 90° hook
- 1012-1005 Protractor80*120mm,open Head
- 1351-0005 Radius gauge1.0-7.0mm,17 blades
- 3001-1001 Base Attachment for Caliper

Unit:mm

Code	Covering	Range	Graduation	Accuracy
2210-8205	1804-1065	0-150/0-6"	0.01/0.0005"	0.02/0.001"
	4111-8105	0-25/0-1"	0.01	0.004
	5111-0000	0-10	0.01	0.017
	7122-0004	/	/	/
	1012-1005	0-180°	1°	±10'
	1501-1024	0.25-7(Metric 60°)	/	/
	1351-0005	1.0-7.0	/	/
	1820-0100	0.05-1.0(20pcs)	/	/
	9111-1115	90°	/	0.007
	2875-4005	/	/	/
	9000-3100	0-150/0-6"	0.5/1.0/1/64"/1/32"/1/16"	/
	3001-1001	/	/	/

4PCS PRECISION MEASURING TOOLS SET

- 8300-0090

- 8400-0020
  4x90°*0.2°
  Digital Angle gauge

- 1022-2200
  200mm*0.1mm
  Digital protractor

- 2605-0015
  Digital depth gauge

- 2035-0004
  0-75mm/0-3"
  Great handy plastic caliper

A Must have for woodworking
Include:

- Digital level box
- Digital caliper
- Digital depth gauge
- Digital protractor

Unit:mm

Code
8300-0090

2PCS PRECISION MEASURING TOOLS SET

- 8300-0105

Good set to confirm angle and depth for wood working
Include:

- Digital level box
- Digital depth gauge

Unit:mm

Code
8300-0105

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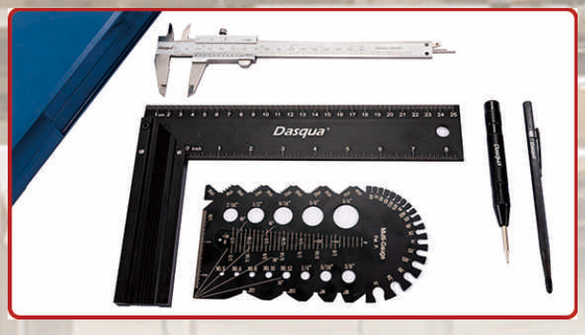
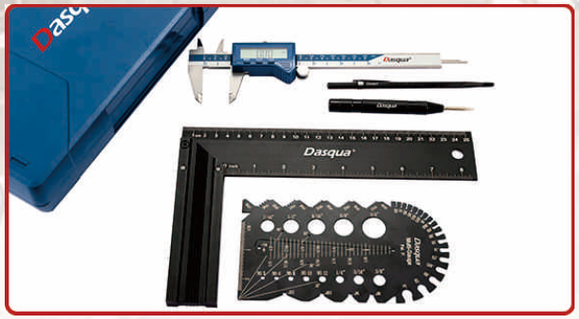
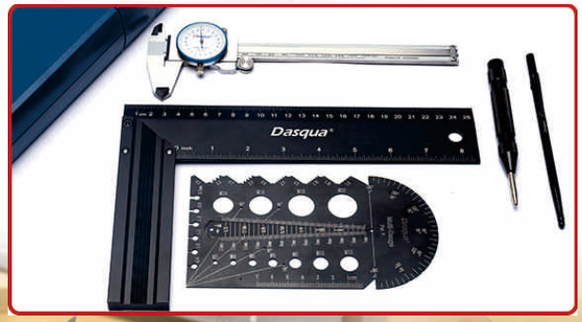
5PCS MEASURING SET







- **1804-1500** (Metric)
  Vernier Caliper 150mm
  Try Square
  Center Punch Drill
  Scriber
  Multigauge
  *For Inch set: 1804-1505

- **1804-1510** (Metric)
  Digital Caliper 150mm
  Try Square
  Center Punch Drill
  Scriber
  Multigauge
  *For Inch set: 1804-1515

- **1804-1520** (Inch)
  Dial Caliper 150mm
  Try Square
  Center Punch Drill
  Scriber
  MultiGauge

Unit:mm

Code		
1804-1500	1804-1510	1804-1520

PORTABLE TESTING INSTRUMENTS

BORN IN ITALY, RAISED BY THE WORLD

02-08 HARDNESS TESTING INSTRUMENTS

08-10 FORCE TESTING INSTRUMENTS

11-12 TORQUE FORCE TESTING INSTRUMENTS

13-15 PRECISION SCALES

15-16 THICKNESS MEASURING INSTRUMENTS

17-20 OPTICAL MEASURING INSTRUMENTS

21-23 ROUGHNESS MEASURING DEVICES

24 AIR BORE GAUGE

24-25 OTHER MEASURING INSTRUMENTS

26-28 AUTO DIAGNOSIS INSTRUMENTS

28-35 AUTO DIAGNOSIS & CONSTRUCTION MEASURING TOOLS

35-37 CONSTRUCTION MEASURING TOOLS

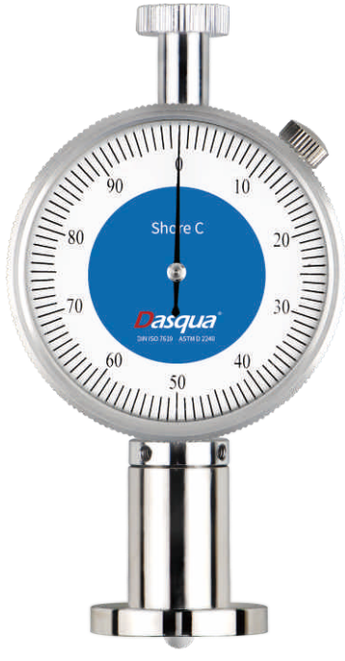
37-41 OTHER INSTRUMENTS

SHORE DUROMETER

SHORE A

- Widely applied in the medium and low hardness plastic, all kinds of rubber, multidimensional fat, leather, wax hardness test and etc
- The product refers to ISO868 and the ISO7619 international standard production

Code	1804-1090
Type	Shore A
Measuring Range	0-100HA
Pressure Needle Range	2.5mm
Pressure Head Diameter	0.79mm
Outline Dimension	115*60*25mm



SHORE C

- Used in measuring the hardness of oak model micro porous material, which includes vesicant, when the compression ratio is 50%, the stress above 0.5kg/cm²
- It also can be used in other similar hardness materials

Code	1804-1095
Type	Shore C
Measuring Range	0-100HC
Pressure Needle Range	2.5mm
Pressure Head Diameter	2.5mm
Outline Dimension	115*60*25mm

SHORE D

- Suitable for hardness test of high degree, such as common hard rubber , hardened resin, acryl plexiglas, thermos plastic rubber, printing plate, fiber
- The product conforms to HG/2489 and other related standard request

Code	1804-1100
Type	ShoreD
Measuring Range	0-100HD
Pressure Needle Range	2.5mm
Pressure Head Diameter	0.1mm
Outline Dimension	115*60*25mm

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SHORE DUROMETER

- Application: Type A for soft rubber、Type D for hard rubber、Type C for rubber with plastic
- Scale Reading: 100 Degree

Code	1804-2405	1804-2410	1804-2415
Type	SHORE A	SHORE C	SHORE D
Measuring Range	0-100HA	0-100HW	0-100HD
Pressure Needle Range	0-2.5MM	0-2.5MM	0-2.5MM

DIGITAL SHORE DUROMETER

1804-1035

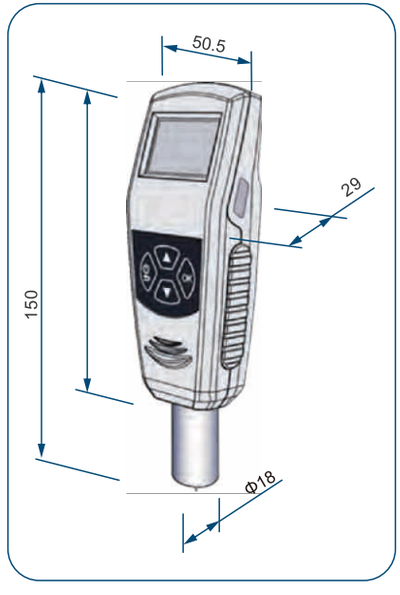
- Testing the hardness of soft rubber,printer roller and other elastomer material
- Portable device, rugged plastic housing,front plate made of rugged polyamide
- Large LED display for clear and easy reading
- ON/OFF button and data hold button for one-hand-use

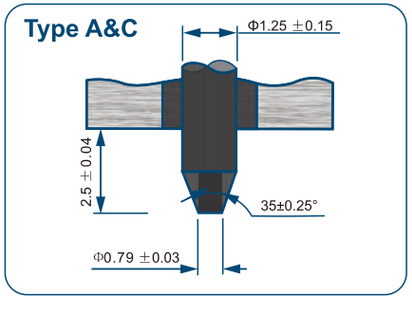
1804-1045

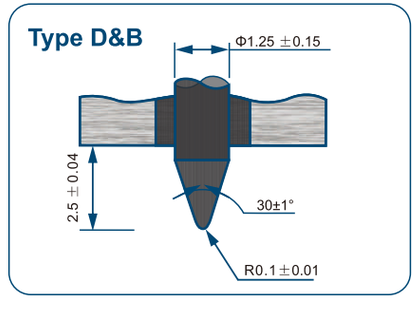
- Testing the hardness of hard rubber,such as thermoplastic plastic, bowling,plastic floor and so on
- Portable device, rugged plastic housing,front plate made of rugged polyamide
- Large LED display for clear and easy reading
- ON/OFF button and data hold button for one-hand-use

Code	1804-1035	1804-1045
Type	Shore A	Shore D
Resolution	0.5HA	0.5HD
Measuring Range	0-100HA	0-100HD
Pressure Needle Range	2.5mm	2.5mm
Accurancy	2HA	2HD

DIGITAL DUROMETER







MiniPrinter	Test Stand	HSA Test Block	

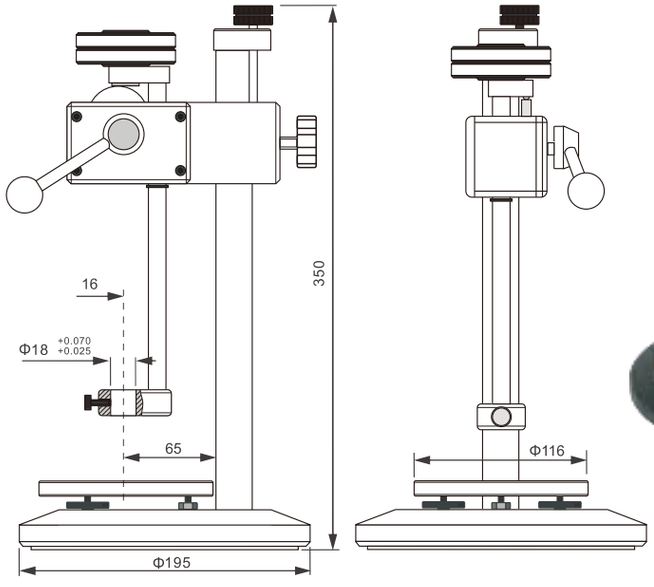
- This model is Suitable for measuring the hardness of rubber, plastic and other non-metallic materials. Calibration certificate Included
- With a large, easy-to-read LCD display with backlight. Conforms to ASTM D 2240, ISO7619-1, Wireless mini-printer is available
- Measurement data can be stored, browsing and batch printing, printiong upload to PC
- Measurement mode: Averaging mode, Max Mode, Max-Average mode

Accuracy	⩽ ± 1 H
Display:	128*64 dot matrix LCD with Backlight
Measuring Mode:	AVE, MAX, Timing
Power	Ni-MH Chargeable Battery
Dimensions	150X50.5X29mm
Resolution	0.1H
Memory	500 readings
Communication	USB to PC
Operating Environment	-10 to 40°C, 20 to 80%RH
Weight:	170g
Optional	mini printer, test stand, HAS test block, HSD test block

Code	Type	Intenter	Applications
1804-1008	A		Soft vulcanized rubber, natural rubber, nitriles, thermoplastic elastomers, flexible polyacrylics and thermosets, wax, felt, and leathers
1804-1009	C		Medium-hard rubber, thermoplastic elastomers, medium-hard plastics, and thermoplastics
1804-1007	D		Hard rubber, thermoplastic elastomers, harder plastics, and rigid thermoplastics

L

DUROMETER OPERATING STAND



- For digital shore durometers
- Reduce the deviation caused by manual operation, improve the measurement accuracy and repeatability
- Special structure for stable measuring

Code	1804-1061	1804-1085
Operating Type	Indentor to specimen	Indentor to specimen
Loading Method	Cam loading	Cam loading
Loading Stroke	18 mm	18 mm
Specimen Thickness	60 mm	60 mm
Throat Depth	65 mm	65 mm
Support Table (dia.)	φ116 mm	φ116 mm
Lifting Adjustment	Screw adjustment	Screw adjustment
Table Adjustment	Three-point leveling	Three-point leveling
Net Weight	5.6kg(excluding S weight)	5.6kg(excluding S weight)
Package Weight	7.6kg(excluding D weight)	7.6kg(excluding D weight)
Applicable durometer	Shore A,B,E,O,OO	Shore D,DC,DO

Weights included

DUROMETER FOR SPONGE

- The scale reading: 0-100 Degree
- Range: 0 ~ 2.5mm
- Pressure force of needle end: 550mN~4300mN/56~438.5g
- G.W.: 0.2kg
- Size: 17.3X15.3X11cm

Code	1032-0210
Type	For Sponge
Range	0~2.5mm

TEST BLOCK FOR SHORE DUROMETER

Code	1061-0026
Type	For Shore A
Hardness	6pcs/set(30,40,50,60,70,80)

L

PORTABLE LEEB HARDNESS TESTER

Widely used in petrochemical, aerospace, electric power, gas, automotive, shipbuilding, railways, machinery manufacturing and other industries.

- Applied to wide range of materials
- High Accuracy
- Portable and easy to operate
- Non-destructive inspection
- 360° Measuring direction

Code	1804-4612
Impact type	D,DC,DL,D+15,C,G
Accuracy	±6HL
Scales	HRA, HRC, HRB, HB, HV, HSD, MPA
Display	160*128 TFT LCD
Data	500 Pieces of data
Power	3*AAA
Statistics	Avg
Connection	TYPE-C USB
Print	Wireless printing(optional)
Punch material	Tungsten carbide ball
Weight	230g
Sizes	154*82*26mm
Operating temperature	-10 ~ +40°C (14°F~104°F)
Storage temperature	-30 ~ +80°C (-22°F~176°F)

THESE ACCESSORIES ARE APPLIED TO BOTH 1804-4612 AND 1804-4613

Impact D with Sensor Cable (included) 1804-4614

Sensor Cable (included) 1804-4624

Screen 1804-4627

Test Block D (Included) 1804-4628

Printer 1804-4617

PORTABLE LEEB HARDNESS TESTER

Widely used in petrochemical, aerospace, electric power, gas, automotive, shipbuilding, railways, machinery manufacturing and other industries.

- Applied to wide range of materials
- High Accuracy
- Portable and easy to operate
- Non-destructive inspection
- 360° Measuring direction
- Full and touch screen

Code	1804-4613
Impact type	D,DC,DL,D+15,C,G
Precision	±6HL
Display	800*480 TFT LCD (with touch)
Storage	2000 measurement data
Conversion	HV、HB、HRA、HRB、HRC、HSD、Mpa
Statistics	Mean, range
Communication	Type-C USB
Print	Wireless printing (optional)
Power	3.7V 1400mA rechargeable lithium ion battery Charging: DC5V 1A
Punch material	Tungsten carbide ball
Weight	255g
Dimensions	151*85*27mm
Operating temperature	Temperature：-10~40°C Humidity：20%-85%
	Temperature：-30~80°C Humidity：5%-95%

PORTABLE LEEB HARDNESS TESTER

- This mode is recommended for the exclusive measurement of solid and heavy components in the Brinell range.
- Unit G places low demands on measuring location surface finish.
- Typical applications: forgings or solid castings.
- Impact Device integrated.
- Direction sensor integrated
- Highly accurate (±6HL) in any impact direction(360°) – automatically
- Integrated display of results for HB, HRB hardness scales.
- Large, high contrast LCD for optimum viewing in all conditions.
- Easy calibration.
- Full USB communication with PC, software included free of charge.
- Internal storage of data with day and time.
- Intelligent sleep mode.

Code	**1804-4615**	**1804-4616**
Battery	Rechargeable Li ion, charges through device USB port.	
Standards and Guidelines applied	DIN 50156 (2007), DGZfP Guideline MC 1 (2008), VDI / VDE Guideline 2616 Paper 1 (2002), ISO 18625 (2003), ASTM A956 (2006), GB/T 17394 (1998), JB/T 9378 (2001), JJG 747(1999), CNAL T0299 (2008), JIS B7731 (2000).	
Printer	With mini wireless printer	Without mini wireless printer
Operating environment	Temperature: -10~+60°C; Humidity: 20%~85%.	
Storage environment	Temperature: -30~+80°C; Humidity: 5%~95%.	
Dimensions	254 x 52 x 32 mm	
Weight	230g	

Material	HLG	HRB	HB
Steel	300-750	/	90-646
Grev cast iron	340-600	/	92-326
Ductile Iron	340-600	/	127-364

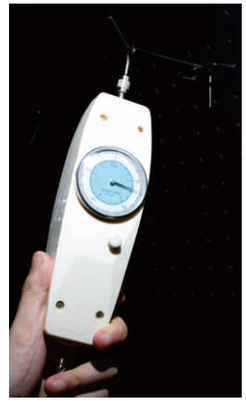
ULTRASONIC HARDNESS TESTER

- Used for measuring the hardness for majority of ferrous metals, non-ferrous metals and alloys in industrial production
- Small size and light weight for handy use, easy to carry. Easy to measure the large workpieces, also for some places difficult to reach
- Minor damage to the workpiece
- Large screen display, easy for reading - displays the current measurement value, cumulative value, maximum value, minimum value, average value, and unit conversion value
- Easy calibration can save 5 group of one-point calibration data, 1 group of default data, and 5 group sets of multi-point calibration data
- For unknown materials, can measure it in any hardness scale in multi-point to eliminate systematic errors caused by conversion
- Can save 50 group of measurement data and 10 group of calibration data
- Fast measurement can have the test results within 1s
- Data transmission(cable) to computer
- Bluetooth data transmission(optional)

Code	1804-5005
Hardness Scale	Main Scale:HV Convertible:HRC,HRA,HRB,HBW
Measuring Range	HV:50～1599 HRC:20～76 HB:85～550 HRB:41-100 HRA:61-85.6
Accuracy	HV: ±4% HB: ±4% HR: ±1.5
Standard Probe Types	2kgf
Optional Probe Types	1kgf/ 3kgf/ 5kgf/ 10kgf
Measuring Direction	360°
Power Supplier	3.6V,3000mAh Li Battery

FORCE GAUGE

Analog Force Gauge with compact size, high accuracy, they are easy to operate and handy to carry out, and can show the unit of newton and kilogram at the same time. The PEAK/TRACK knob of it can switch between the peak value load test and the continuous load test. They are excellent products which can take the place of the old style force gauges, and widely applied in electric, high & low voltage electric appliance, hardware, automobile parts,lighter and ignition system,light industry, mechanical, textile and so on industries for test of pull or push load test insertion force or pull and destructive experiment.

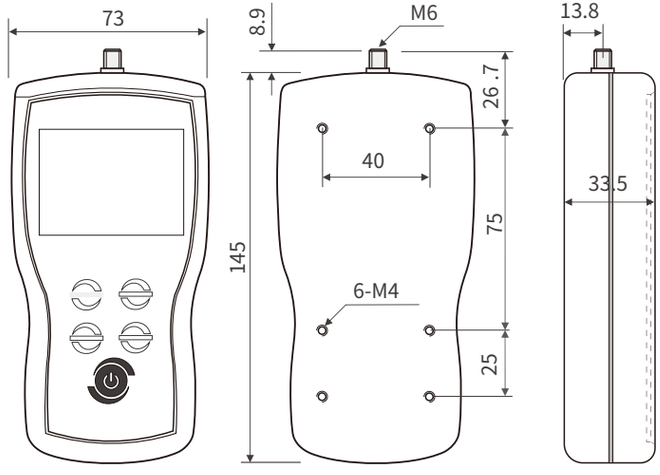


- The compact design, easy to carry
- The operation is simple and can be used combining with all kinds of fixture;
- The peak value holding function and duration test function switch freely;
- Newton and kg, according to two units at the same time do not need to unit conversion;
- Can be installed on a variety of test the machine as a dedicated tester use
- 10N,100N,500N available

Code	Capacity(N)	Graduation(N)
1804-1130	10	0.5
1804-1131	50	0.25
1804-1132	500	2.5
1804-1133	100	0.5
1804-1134	200	1
1804-1136	300	2

L

DIGITAL FORCE GAUGE



- Ergonomic, durable, heavy-duty metal construction
- Touchpad to minimized disturbance
- Automatic reversible display
- Automatic display direction converting
- Variety of alarm output function
- USB port for upload to PC
- 10N,20N,50N,100N,200N,500N available

Code	Capacity / Resolution					
	N	Kgf	Lbf	Ozf	Gf	mN
1804-1105	10/0.001	1/0.0001	2.2/0.0005	35/0.01	1000/0.1	10000/1
1804-1115	1000/0.1	100/0.001	220/0.05	3500/1	-	-
1804-1135	5/0.005	-	1.1/0.0001	18/0.005	500/0.05	5000/0.05
1804-1140	20/0.005	2/0.0005	4.4/0.001	70/0.01	2000/0.5	20000/5
1804-1145	50/0.005	5/0.0005	11/0.005	180/0.05	5000/0.05	50000/5
1804-1150	100/0.1	10/0.001	22/0.05	350/0.1	10000/1	-
1804-1155	200/0.05	20/0.005	44/0.01	700/0.1	20000/5	-
1804-1160	500/0.05	50/0.005	110/0.01	1800/0.5	-	-

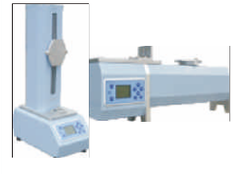
Accuracy	±0.2% FS
Display	160*128 matrix LCD with LED Backlight
Units	N, gf, kgf, ozf, and lbf
Measuring Mode	Track, Peak, AutoPeak
Overload Capacity	120% F.S
Sampling Rate	2000 Hz
Memory	1000 data
Temperature Effects	<0.03% FS/ °C
Power	3.6VDC Ni-MH batteries
Charger / Adaptor	USB/BM charger, 110~240VAC
Outputs	USB, Set point output, RS232C
Operating Environment	-10 to 40°C , 20 to 80%RH
Selectable Units	N, kgf, lbf, ozf and/or gf
Dimensions	160*73*34mm
Weight	0.7 kg (1.5 lb)

MiniPrinter

Rs232 Cable

Ergonomics measuring kit

Motorised Test Stand

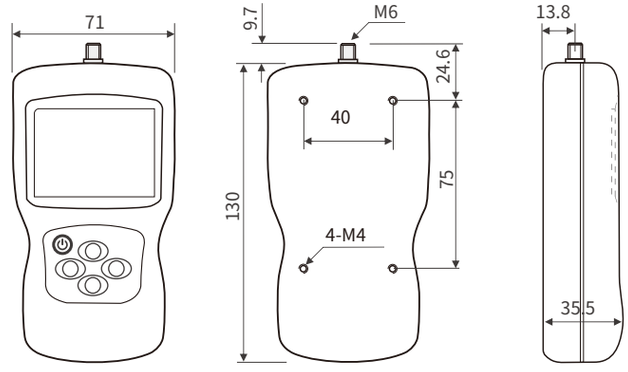


Manual Test Stand

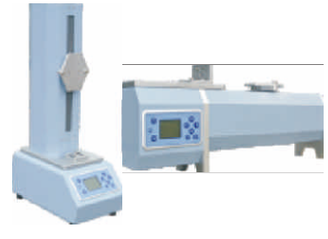
DIGITAL FORCE GAUGE

- Ergonomic, durable, heavy-duty metal construction
- Lighter weight, more suitable for handheld operation
- Reversible display
- Charger with US/EUR/UK Plugs selectable 50N,100N,500N available

Accuracy	± 0.3% F.S
Display	160*128 matrix LCD with LED Backlight
Units	N, gf, kgf, ozf, and lbf.(Selectable
Measuring Mode:	Track, Peak, Preset
Overload Capacity	120% F.S
Sampling Rate	1000 Hz
Memory	500 data
Temperature Effects	<0.03% FS/ °C
Power	Ni-MH rechargeable batteries
Charger / Adaptor	USB charger, Input:110~240VAC
Outputs	USB, Set point output, RS232C
Operating Environment	-10 to 40°C , 20 to 80%RH
Selectable Units	N, kgf, lbf, ozf and/or gf
Dimensions	150*72*33mm
Weight	0.45 kg (1 lb)



MiniPrinter	Rs232 Cable

Motorised Test Stand	Manual Test Stand
	

Code	Capacity / Resolution				
	N	Kgf	Lbf	Ozf	Gf
1804-1120	10/0.01	1/0.001	2.2/0.001	35/0.01	1000/1
1804-1125	1000/1	100/0.01	220/0.1	3500/1	-
1804-1165	50/0.01	5/0.001	11/0.01	180/0.1	5000/1
1804-1170	100/0.01	10/0.01	22/0.01	350/0.1	-
1804-1175	500/0.1	50/0.01	110/0.1	1800/1	-

TORQUE WRENCHES

- Do not use it as a pry bar or ratchet wrenches to pry nuts
- Do not exceed the maximum torque value in using
- Can only be used within the load range of the handle
- The torque value of the wrench must be adjusted to the same as the required
- If the torque value is too large or too small, it will cause the damage
- Do not disassemble or assemble this wrench casually
- Regular maintenance is neccessary, at least once a year
- The wrench is also a very precise instrument,only used to tighten screws, bolts, and nuts to the required torque

Code	7212-0005	7212-0010	7212-0015	7212-0020	7212-0025	7212-0030	7212-0035	7212-0040	7212-0045	7212-0050	7212-0055	7212-0060	7212-0065	7212-0070
Range(N.m)	1-6	2-20	5-25	5-25	5-30	5-60	5-60	10-110	10-110	10-150	20-210	65-350	70-400	90-450
Graduation(N.m)	0.05	0.15	0.25	0.25	0.25	0.5	0.5	0.5	0.5	0.5	1	1	1	1
Accuracy	±3%													
Square Driver	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"	1/2"	3/8"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Length(mm)	205	230	250	250	250	310	310	460	460	460	490	550	550	550

DIGITAL TORQUE GAUGE WITH SHORT HAND

- With sound & light alarm function
- Clockwise and counter-clockwise operation
- Four units and switched: kgf.cm, N.m, lbf.ft, lbf.in
- Three modes and switched: Real-Time Mode, Peak Mode, Preset Mode
- With backlight function, convenient for use at night or in places with insufficient light
- Power off automatically in 10 minutes without any operations
- Silicone handle for non-slip grip

Code	7212-4005	7212-4010	7212-4015	7212-4020
Range (N.m)	0.3-10	0.9-30	1.8-60	3-100
Square Driver	1/4"	1/4"	3/8"	1/2"
Length0(mm)	230	230	240	285
Graduation (N.m)	0.01			0.1
Accuracy	Clockwise:±2%		Anti-clockwise:±2.5%	
Data Save	999			
Power Supply	2 * AAA Battery			

DIGITAL TORQUE GAUGE

- Power supply: 2 * AAA batteries
- Four units and switched: kgf.cm, N.m, lbf.ft, lbf.in
- With sound & light alarm function
- With backlight function, convenient for use at night or in places with insufficient light
- Three modes and switched: Real-Time Mode, Peak Mode, Preset Mode
- Power Off: Automatically power off if no operation in 10 minutes
- Can be used in both direction of clockwise and counter clock wise, for higher work efficiency

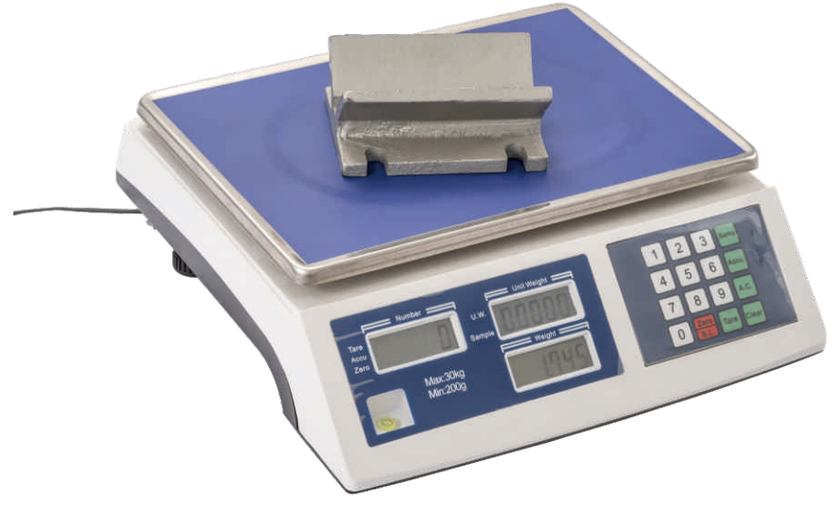
Code	7212-1005	7212-1010	7212-1015
Range (N.m)	3-30	13.5-135	20-200
Graduation (N.m)	0.01	0.01	0.01
Square Driver	1/2"	1/2"	1/2"
Accuracy	Clockwise:±2%	Anti-clockwise:±2.5%	

DIGITAL POCKET SCALE

- Material:ABS engineering plastic housing and stainless steel table-boa
- Display: LCD display with blue backlight
- Equipped with a high precision strain gauge sensor system for accurate weighing
- Stainless Steel platform and Ultra-thin (19mm thickness)
- Multiple weighing units : G/ CT/OZT/OZ/ /DWT / GN
- Zero setting and tare function, counting and weighing function, auto zero tracking
- Low battery indication and overload warning
- 2*AAA battery, easy to change and long stand-by time
- Auto power off, when there is on operation for a certain time
- Self-test when turned on

Code	1030-2010
Range	0-500g/0.01g
Scale Size	16.4X10X2cm
Platform Size	11.3X9cm
Display size	4.6X4.8X0.11cm
Product net weight	300g

WEIGHING SCALES



- Rechargeable battery inside ,low power consumption RS-232 interface for option
- RS-232 interface for option
- Display: LCD display with blue backlight
- Capacity:6kg,15kg,30kg
- Precision 1/6000, 1/15000,1/30000

Code	1030-2015	1030-2017	1030-2019
Capacity	6KG	15KG	30KG
Display	LED/LCD		
Counting scale	16 keys /24keys with 7 memory		
Weighing scale	8 keys(LCD), 6 keys/8 keys		
Pan size	210mm/270mm (19 mold/queen mold) 325*225mm (king mold0		
Precision	1/6000	1/15000	1/30000

WEIGHT SETS

- Made with stainless steel material
- With inspection certificate

Code	1030-2020	1030-2025	1030-2030
Range	1mg-100g	1mg-200g	1mg-1kg
Weight			1x 1mg weights
		1x 1mg weights	2x 2mg weights
	1x 1mg weights	2x 2mg weights	1x 5mg weights
	2x 2mg weights	1x 5mg weights	1x 10mg weights
	1x 5mg weights	1x 10mg weights	2x 20mg weights
	1x 10mg weights	2x 20mg weights	1x 50mg weights
	2x 20mg weights	1x 50mg weights	1x 100mg weights
	1x 50mg weights	1x 100mg weights	2x 200mg weights
	1x 100mg weights	2x 200mg weights	1x 500mg weights
	2x 200mg weights	1x 500mg weights	1x 1g weights
	1x 500mg weights	1x 1g weights	2x 2g weights
	1x 1g weights	2x 2g weights	1x 5g weights
	2x 2g weights	1x 5g weights	1x 10g weights
	1x 5g weights	1x 10g weights	2x 20g weights
	1x 10g weights	2x 20g weights	1x 50g weights
	2x 20g weights	1x 50g weights	1x 100g weights
	1x 50g weights	1x 100g weights	2x 200g weights
	1x 100g weights	2x 200g weights	1x 500g weights
			1x 1kg weights

SCALE

1030-3105

1030-3110

- More function, more storage
- Faster response, faster print
- Generic thermal paper and thermal sticker paper
- Working mode: pre-pack, batch print, auto print
- Water proof
- Easy in operation
- Power supply: ac 220v/50hz

1030-3115

Code	1030-3105	1030-3110	1030-3115
Pole	Without	With	With
Display	Front 5 + Back 4	Front 4 + Back 4	Front 5 + Back 4
Working Table Size(mm)	220*320	220*320	260*350
Scale Size	345*390*170	345*440*460	410*500*510
Capacity(Kg)	6/15/30		
Resolution(g)	2/5/10		
Accuracy	1/3000		
Printer Speed	75mm/s		

CASH REGISTER SCALE

1030-6205

1030-6210

1030-6215

- LCD Reading
- Faster Response, Faster Print
- With thermal printer
- Power Supply: AC 220V/50Hz, 110V/60Hz

Code	1030-6205	1030-6210	1030-6215
Pole	Without	With	With
Display	Front 5 + Back 4	Front 4 + Back 4	Front 5 + Back 4
Capacity(Kg)	6/15/30		
Resolution(g)	2/5/10		
Accuracy	1/3000		
Printer Speed	60mm/s		

COATING THICKNESS GAUGE

- Very compact size with integrated probe.
- Magnetic induction method (ISO 2178, ASTM 07091),
- Measurement of non-magnetic coatings on magnetic subsrtates.
- Data memory is up to 500 readings.
- Ready to measure immediately without calibration.
- Easy to perform zero-point correction provides correct measurement results for measuring applications with little changes in shape and substrate material.
- The one-point calibration function allows for an adaptation in cases of several changes in shape or substrate material and enables high-precision measurements in selected measurement ranges.
- Statistic function allows for evaluation of a measurement series and display of the most significant characteristic statistical values.

Code	1804-2005
Test method	Magnetic induction
Measuring Range	0- 1250μm (0 -50 mil)
Resolution	0 - 999μm: 0.1μm, ⩾1000μm: 1μm
Accuracy	0- 100μm: ± 2 .0 μm, 101-1250μm⩽2.5%
Data Memory	500 readings
Display	Graphic LCD with backlight
Power Supply	1.5V*3 (AAA alkaline batteries)
Operating Temperature	0-50°C
Dimension	150X50.5X29mm
Weight	110g
Certificate	CE
Accessories	Thickness gauge, Substrate, Certification foils set , User 's manual,Manufacturer's certificate.

COATING THICKNESS GAUGE

- Very compact size with integrated probe.
- Magnetic induction method (ISO 2178, ASTM 07091)
- Measurement of non-magnetic coatings on magnetic substrates
- Quick one-hand operation
- Place instrument on specimen and see the measured value
- Ready to measure immediately without calibration
- Easy to perform zero-point provides correct measurement results for measuring applications with little changes in shape and substrate material

- The one-point calibration function allows for an adaptation in cases of severe changes in shape or substrate material
- Data transmitting to PC via USB cable. Stastistic function allows for evaluation of a measurement series and display of the most significant characteristic statistical values

Code	1804-2010	1804-2011
Test method	Magnetic induction	
Measuring Range	0- 1500μm (0 -60 mil)	
Resolution	0 - 999μm: 0.1μm, ⩾1000μm: 1μm	
Accuracy	0- 100μm: ± 1.5 μm, 101-1500μm⩽1.5%	
Data Memory	Up to 1500 readings	
Display	Graphic LCD with backlight	
Power Supply	1.5V*3 (AAA alkaline batteries)	
Operating Temperature	0-50°C	
Dimension	88x67x30mm	
Weight	120g	
Printer	Without mini wireless printer	With mini wireless printer
Accessories	Thickness gauge, Substrate, Certification foils logger software, Sheath, set , Data cable,Data User 's manual, Manufacturer's certificate.	

ULTRASONIC THICKNESS GAUGE

- Two display units: metric and imperial
- Automatic calibration to zero: automatically correct the system errors
- Automatic non-linear compensation: within the full range, computer
- Software is used to correct the non-linear errors of the probe for the purpose of improving the accuracy
- The upward and downward adjustment keys enable prompt selection of sound velocity, thickness, and check the thickness memory units
- Ten thickness values can be stored without loss after turn-off, which is very convenient for measuring in field and high platform
- Measuring sound velocity: according to the test block' s thickness, sound velocity can be measured directly needless to search in the conversion table
- Prompt for coupling state: provide coupling indication and the observation of the stability of the indication can tell if the coupling is normal
- Sound velocity of five different materials can be stored
- Low voltage indication
- Automatic turn-off
- All keys enclosed----oil proof for longer service life

Code	1804-2015	1804-2020
Measuring range	1.2~225.0mm	
Minimum display unit	0.1mm	0.01mm
Display type	4-digit	
Sound velocity range	1000m/s~9999m/s	
Measuring error	±(1%H+0.1) mm, H is the actual thickness of the object to be measured	
Power supply	two AA alkaline cells 1.5V	
Power consumption	working current is smaller than 20mA(3V)	
Range of operating temperature	0°C~ 40°C	
Dimensions (mm)	124×68×27	
Weight (g)	120	

Standard Delivery	
Main unit	1
5PΦ10 probe	1
Couplant	1
AAA battery	1
TIME certificate	1
Warranty card	1
Instruction manual	1

Optional Accessory .	
	5P 10/90 probe (1.2~225.0mm)
	SZ2.5P probe (3.0~300.0mm)
	7PΦ6 probe (0.75~60mm)

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TABLE MAGNIFIER WITH ILLUMINATION

- Colour available: white
- Lens size: 5"(127mm)
- Diopter: 3diopter/5diopter/8diopter for choice
- Optional with switching power
- Life of the LED: 20000h
- Luminance: 1000Lux
- The LED magnifying lamp is portable and can be used whenever you want

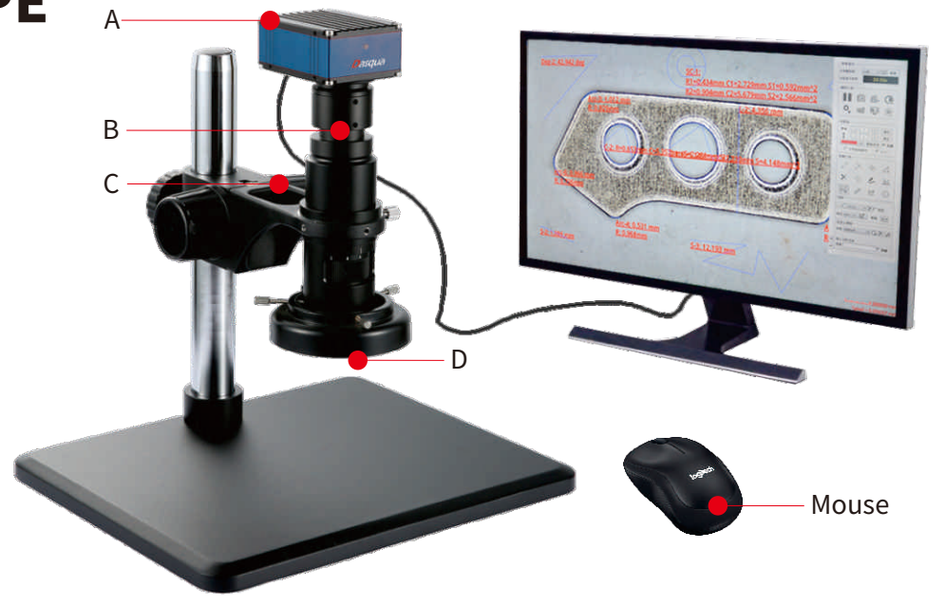
Code	1030-2005
magnification	2.25x
Lens	3D/5D/8D
Lens size	5"(127mm)
Illumination	60pcs LED, 12W
Power	100-240V~; 50/60Hz
Product size	226x56x1185mm

STEREO ZOOM MICROSCOPE

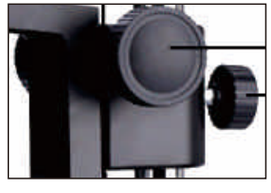
- Image always in focus throughout zoom range
- Stereo-tube can be rotated a full 360°for viewing at any angle
- Bilateral zoom control knob adds convenience and increases operator effiency
- Diopter adjustment for both eyepieces

Code	1804-7015
Zoom scale of objective	0.7×—4.5×
Eyeiece and view field diameter	WF10X , 20mm
Total magnification	7×—45×
Working distance	95mm
Interpupillary adjustment distance	55-75mm
Round working stage diameter	50 mm
Dioptric adjustment range	±5diopter
Illumination	Input voltage :AC 110V or 220V
Output	Oblique illumination:12V,10W halogen lamp (with cup) Transmitted illumination:12V,10W halogen lamp (altermative lamp:5 W fluorescent lamp)

DIGITAL MICROSCOPE



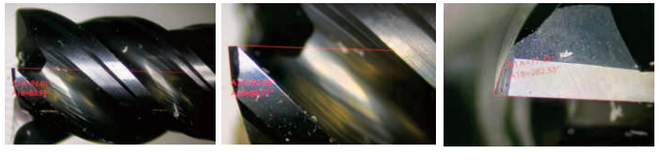
A:USB port, HDMI port, Power



C:Fine focus knob

B:Step-zoom lens 0.7X-4.5X

D:72 LED adjustable light sources



Code		1804-7013	
Objective Specification	Objective magnification	0.7X-4.5X	
	CTV multiple	0.5X	
Camera Specification	Resolution	1920*1080	
	Dimension	80*60*42	
	Frame rate	60fps	
	Output	HDMI	
	Function	take picture/video, measuring, saving, sharpening, white balance, cross hair	
Light Source		72 LED adjustable light sources	
Display screen		22"HDTV (OPTIONAL)	
Frame		380x260mm, ϕ50mm	
	Focus range	42mm	
	Working distance	105mm	
	Center distance	140mm	
	Optical enlargement	0.35X-2.25X	
	Combined magnification	20X-136X	
Field of view	max 24mm*13mm min 3.5mm*1.9mm （Optional accessories to increase or decrease the field of view）		
Optional accessories	1804-7060	0.5xObjective	Magnification 13.3X~85.5X
	1804-7065	2xObjective	Magnification 53.2X~342X

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MAGNIFIER

WITH INSIDE MEASURING SCALE

- High definition & high accuracy
- Can measure distance, angle, circle, etc
- Mainly used in the field of mechanical processing, circuit design, and printing plate mesh, etc

Code		3026-0002	3026-0005	3026-0013
Specification	0-20*0.01mm	1 Scale Chart	9 Scale Chart	12 Scale Chart
Magnification	10x	10x	10x	10x

GLOSS METER

- Used for measuring the gloss of materials surfaces,such as coatings, printing inks, painting, wooden products, marble, granite, plastics,paper,etc.
- With Automatic measurement /Manual measurement/Single measurement/Average measurement modes
- Automatic Power Off

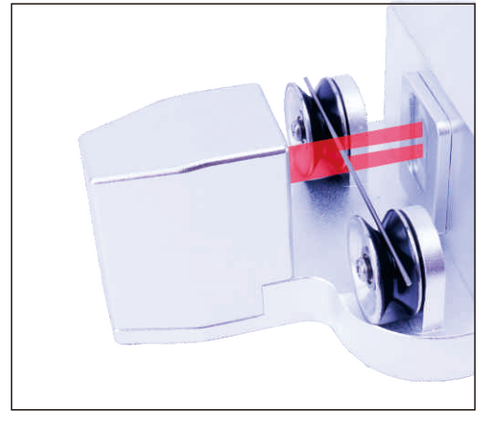
Code	1030-5905
Range	0-200Gu
Incidence Angle	60 Degree
Measuring Area	9*15mm
Data Save	100 Groups
Measuring Time	0.4S
Resolution	0.1Gu
Repeatibility	0.2Gu
Display Error	1.0Gu
Output	Printer(Optional)
Dimension	122*34*60mm
Working Temperature	10-40°C

GLOSS METER PRO

- Used for measuring the gloss of materials surfaces,such as coatings, prnting inks, painting, wooden products, marble, granite, plastics,paper,etc.
- With Automatic measurement /Manual measurement/Single measurement/Average measurement modes
- Automatic Power Off

Code	1030-5910
Incidence Angle	20/60/85 Degree
Range	20°:0-2000Gu 60°:0-1000Gu 85°:0-160Gu
Measuring Area	20°:10*10mm 60°:9*15mm 85°:5*38mm
Measuring Time	1S
Resolution	0-1000GU/0.1Gu 1000-2000Gu/1Gu
Repeatibility	0-100:0.2Gu ＞100:0.2%
Display Error	1.5Gu
Zero Set Errot	0.2Gu
Power Supply	2 x AA Battery
Dimension	159*49*72mm
WeightWorking Temperature	500g 10-40°C

HANDHELD ULTRA-HIGH PRECISION LASER DIAMETER GAUGE



- Can save 100000 pieces data
- Record with inspector & time
- Measure the outside diameter, ellipticity,etc
- High integration technology, faster measurement
- High definition touch screen, more convenient in operation
- Built-in Battery and Rechargeable with Type C USB

Code	6719-0005
Range	0.02-2
Resolution	0.0001mm
Accuracy	±0.0002mm
Speed	10000times/s
Power	5V
Dimension	225*50*35
Weight	500g

DIGITAL SURFACE ROUGHNESS GAUGE

- Optional bluetooth function
- Can be connected to a computer and printer
- Continuous working time: more than 20 hours
- Plastic shell, portable, high reliability
- Optional different sensor, measuring platform, mini printer, extension rod and other accessories
- 128 x 64 OLED dot matrix display, digital / graphic display，highlight no perspective
- Intuitive and rich display information, can display all the parameters and graphics
- Compatible with ISO, DIN, ANSI, JIS national standards
- Residual quantity icon, prompting the user to charge
- Using DSP chip to control and data processing, high speed, low power consumption
- Real-time clock settings and display, convenient data recording and storage
- With automatic dormancy, automatic shutdown and power saving function
- Reliable control motor to go dead circuit and software design
- Electro mechanical integration design, small volume, light weight, easy to use
- Measurement information display, menu prompt information, false information and switch machine and other tips that information

Code	**1804-6302**
Testing parameters	Ra,Rz,Rq,Rt,Rp,Rv,R3z,R3y,RzJIS, Rsk,Rku,Rsm,Rmr,Rx;
Measuring range (um)	Ra: 0.005-16.000 Rz: 0.02-160.00
Sample length (mm)	0.25, 0.80, 2.50
Evaluation length(mm)	(1-5)L
Maximum drive stroke	17.5mm/0.7inch
Indication accuracy	0.001
Indication error	±(7-10)%
Variability	<6%
Data Storage	100 groups
Power	Rechargeable li-battery
Working temperature	-20°C～40°C
Relative humidity	<90%
Size	158mmx63.5mmx46mm
Weight of Host	0.3kg

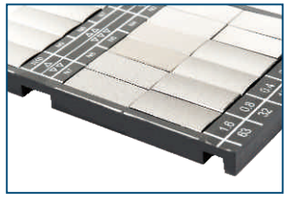
Standard delivery	
Host	1
Standard Sensor	1
Calibration block and bracket	1
Bracket	1
Charger	1
Adjustable support	1
Operating manual	1
Warranty card	1
Certificate of approval	1
Instrument case	1

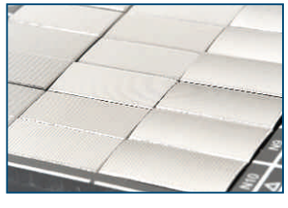
PORTABLE SURFACE ROUGHNESS TESTER

- With skidless probe
- Large range and various parameters in measurement
- High precision inductive sensor, fast measurement and high accuracy
- Can measure roughness parameter, waviness parameters, primary profile parameters, ratio curve parameter, graph parameter
- Different measurements requirements such as r-angle, deep groove, curved surface, deep hole, etc with one sensor only
- The sensor and the main body connected by a lifting device, the height of the sensor is adjustable without the stand

Code	6710-0005
Measuring Range (X)	30mm
Measuring Range (Z)	±500µm
Resolution	0.0016µm/±50µm -0.016µm/±500µm
Sensor Straightness	1µm/200mm
Test principle	Inductive Type
Roughness Parameter	Ra75, Rq, Rp, Rv, Rc, Rt, S, R3z, PPI, Ra, Rsk, Rku, Ry, Sm, RΔa, RΔq, Rz, Pc, Rλa, Rλq, lr, RSm, Rz94, RPc, RS, Rz.I, Rpm, HSC
Waviness Parameters	WCA, WCC-q, WCC-p, WCC-v, WCC-m, WCC-Sm, WCA, WC-q, WC-p, WC-v, WCM, WC-Sm, WC-t, Wa, Wq, Wsk, Wku, Wp, Wv, Wz, Wc, Wt, WSm, WΔq, WPc
Primary Profile Parameters	Rsk, Rku, Rmax, Sm, Δa, Δq, Rz, λa, λq, lr, TILT A, AVH, Hmax, Hmin, AREA, Rz.J, Pa, Pq, Psk, Pku, Pp, Pv, Pc.I, Pt, PSm, PΔq, PPc, Pc
Material Ratio Curve Parameter	Rk, Rpk, Rvk, Mr1, Mr2, V0, K, A1, A2
Graph Parameter	NCRX, AR, R, Rx, NR, CPM, SR, SAR, AW, W, Wx, Wte, NW, SW, SAW, Rke, Rpke, Rvke, Mr1, Mr2, V0, K
Measuring Force	0.4-0.75MN
Probe	5µmR Diamond 90°
Measuring Speed	0.05mm/s 0.10mm/s 0.50mm/s 1.00mm/s 2.00mm/s
Returning Speed	0.05mm/s 0.10mm/s 0.50mm/s 1.00mm/s 2.00mm/s
Screen	Not included
Data Output	TF Card/ USB Pen Drive/Pinter
Power Supplier	Built-in Battery(Rechargeable)
Dimension	392*80*180mm 162*245*68mm
Power Supplier	Built-in Battery(Rechargeable)
Standard Accessary	Main Body * 1 Sensor * 1 Probe * 1 Charger * 1 Calibration Block * 1

SURFACE ROUGHNESS GAUGE SET





- All standard roughness gauge included together with comparison chart
- Easy to checking all surface roughness.
- Set include gauge as below:
  consist of 30 specimens .size: 7/8x3/8",including:
  2 specimens checking Flat lapping 2 and 4 µ" AA
  4 specimens checking External grinding 8,16,32 and 63 µ" AA
  6 specimens checking surface grinding 2,4,8,16,32 and 63 µ" AA
  6 specimens Turing 16,32,63,125,250 and 500 µ" AA
  6 specimens checking Vernical milling 16,32,63,125,250 and 500 µ" AA
  6 specimens checking Horizontal milling 16,32,63,125,250 and 500 µ" AA

Code	Pieces
1804-6310	30

SURFACE PROFILE GAUGE

- Data output
- Large screen for free-error reading
- Easy to use, only requires a small area for measurement
- Measure surface contours and pits
- With calibration block for zero setting
- Accurately and quickly measure the surface roughness, to evaluate if it meets the painting requirements

Code	1804-6320
Range	0-2000µm
Accuracy	±2µm
Reading	Metric/Inch
Power	

AIR BORE GAUGE

- Used for measuring the Thickness,ID,OD,Roundness,Parallelism,Verticality, Concentricity,Radial runout,etc.
- High Accuracy
- LED Screen with Tri-Color
- LCD Screen with Back Light

Code	6712-0005
Measuring Range	20/50/100
Resolution	0.2μm/0.5μm/1μm
Resolution	0.1μm/0.5μm/1μm
Display	3 Color LED Bargraph Display LCD Screen(With Backlight)
Indication Error	2% of Measuring Range
Power	AC220V±10%
Air Pressure Change	≤1% (0.4-0.8Mpa)
Dimension	50*500*165mm
Weight	4.5kg

ACCESSARIES OPTIONAL

Code	6712-1005	6712-1010	6712-1015	6712-2005- □	6712-3005- □	-
Item	SPC Software	RS232 Cable or Rs485 Cable	Air Filter	Outside Diameter Probe (Customized)	Inside Diameter Probe (Customized)	SPC Work Station
Specification	/	/	/	3-200mm	4-120mm	-

GAUSSMETER

- Easy to carry, wide range
- Push-button automatic zeroing
- Easy to operate, clear LCD display
- With measurement value/peak hold, MT/GS unit conversion
- 200MT/2000MT range conversion, etc

Code	6714-0015	6714-0020
Range	0mT~200mT~2000mT	
Frequency bandwidth	10HZ~200Hz	1HZ~400Hz
Accuracy	DC,2%/AC,2%	DC,1%/AC,1%
Resolution	DC×1:0.00mT~200.00mT 0.01m AC×1:0.00mT~200.00mT 0.01mT	TDC×10:0.0mT~2000.00mT 0.1mT AC×10:0.0mT~2000.00mT 0.1mT
Measured magnetic field	DC magnetic field (static magnetic field) AC magnetic field (dynamic magnetic field)	
Ambient temperature	5°C~40°C	
Relative Humidity	20%~80% (non-condensing)	
Power supply	4*AAA 1.5V battery or external power supply	
Display mode	the measurement of the 3''1/2 LCD has a positive, negative, positive represents "N" pole, negative represents "S" pole	
Dimensions	140mm (L) X73mm (W) X 30mm (H)	
Weight	180g	
Remarks	mT=milli tesla, 1mT = 10Gs Gaussian	

STANDARD DELIVERY

Main unit	1pc
DC Adapter	1pc
Metal Probe	1pc
4*AAA 1.5V battery	1pack
User manual	

2 IN 1 RADIAL RUNOUT AND HEIGHT TESTER

• 5720-0025

• 7801-0005 • 7801-0010

- Radial runout is critical to the service life of high-speed rotating cutting tools
- This Radial Runout Tester is specially designed to detect radial runout of cutting tools after clamping. And it also can check the height of cutting tools with a Digital Height Gauge(Optional)
- The principle axis structure of this tester adopts a precision ball bearing rotary shaft system, fully ensure the principle axis runout of 0.002mm at the proximal end and 0.003mm at the far end (at 300mm)
- The BT40 and BT50 bases are made of granite material and integrated, with smaller deformation and more stable performance than traditional castings
- The BT30 base is made of high-strength aviation aluminum alloy, CNC processing on a whole piece material, more stable in performance compared to castings
- The base equipped with 6 assembly holes M6, M8, M10, suitable for more assembly parts

Unit:mm

Code		5720-0025	7801-0005	7801-0010
Specification		For tool holder Shank ISO30/BT30/BBT30	For tool holder Shank ISO40/BT40/BBT40	For tool holder Shank ISO50/BT50/BBT50
Granite Plate Base		ISO30/BT30/BBT30 included	ISO40/BT40/BBT40 included	ISO50/BT50/BBT50 included
Working Tale size		230*140mm	350*200mm	
Flexable Rod Code:1804-2308	290mm Length	Include	Include	Include
Dial Test Indicator Code:5223-3105-A	0.8*0.01mm Ruby point	Include	Include	Include
Height Gauge Code:3130-8119	300mm*0.01mm	Optional	Optional	Optional
Dial Test Indicator Code:5221-0105-A	0.02*0.002mm Ruby point	Optional	Optional	Optional

NON-CONTACT DIGITAL TACHOMETER

- The streamlined appearance design, the body and the palm perfectly match,to ensure more convenient and comfortable use
- Wide application range, large measuring range, high resolution and small error
- Large screen display, clear reading, no parallax
- Automatically memorize the maximum, minimum, final value and 500 instantaneous values
- When the battery voltage is lower than the specified value, it will automatically indicate

Code	1030-2051
Measuring Range	2.5~99999RPM
Resolution	0.1 RPM (0.5~999.9 RPM)
	1 RPM (above 1000 RPM)
Measuring distance	50~500mm
Product Size	160mm×74mm×37mm
Product Weight	180g (including battery)
Range Selection	Automatic switching
Accuracy	±(0.05%+1digit)
Power supply	3×1.5V AA UM-4 batteries
Operating Temperature	0~40°C

CONTACT DIGITAL TACHOMETER

- The tachometer uses microcomputer (CPU) technique; anti-jamming technique for contact measurement of rotation speed (RPM), surface speed (m/min),and contact length (m)
- Wide measuring range and high resolution
- Large screen LCD display provides clear reading
- White back light guarantee reading in any light environment
- Smooth housing design, comfortable to hold and use
- Surface speed wheel with groove to test surface speed or length of wire, cable, or rope conveniently
- Low battery voltage indication

Code	1030-2056
Measuring Range	0.5~19999 RPM;0.05~1999.9 m/min;0.05~99999 m
Resolution	Rotation Speed: 0.1 RPM (0.5~999.9RPM)
	1 RPM (above 1000RPM)
	Surface Speed: 0.01m/min (0.05~99.99m/min)
	0.1m/min (above 100m/min)
Contact Length	0.02m (0.05~99999m)
Product Size	170mm x 70mm x 35mm
Accuracy	± (0.05%+1digital)
Sampling Time	0.8second (over 60RPM)
Power supply	3x1.5V AA battery
Time Base	6MHz Quartz crystal

BATTERY ACID AND ENGINE COOLANT REFRACTOMETER

BEST SELLER

- The refractometer measures the freeze point of automotive coolants (propylene glycol and ethylene glycol) from 32°F to -60°F
- It also indicates the specific gravity of battery acid and provides a quick reference of battery charge condition
- It only requires a sample of 2 or 3 drops for fast and accurate readings
- Automatic Temperature Compensation provides repeatable results
- Comes complete with storage case and a screwdriver and vial of distilled water used for calibration

Code	1030-2065	1030-0115	1030-0120	1030-0125
Range	Ethylene Glycol: -50°C-0°C Propylene Glycol: -50°C-0°C Cleaning Fluids: -40°C-0°C Battery Fluids: 1.100-1.400sg	Salinity: 0-28%	Vol:0-25% Brix:0-40%	Oil: 1.435-1.520Nd
Resolution	Ethylene Glycol: 5°C Propylene Glycol: 5°C Cleaning Fluids: 5°C Battery Fluids: 0.01sg	0.20%	Vol:0.2% Brix:0.2%	0.001Nd

SPARK TESTER INDICATOR

- Use in automotive repair & maintainance industrial
- Tests spark plugs, spark plug wires and coils without puncturing the wire
- Place the grooved end of the tool over the plug wire when the engine running, the bulb will flash to indicate spark

Code	1032-0015
Display Type	LED
Material	ABS
Battery	Lr44

CAR PAINTING THICKNESS GAUGE

- Main used in Automotive industrial
- Not-destructively measurement
- With integrated test sensor for fast response
- To measure the thickness of non-magnetic coatings (including paint, enamel, plastic, epoxy, plating, galvanizing, etc) on steel or iron
- LEDs shows test result

Code	**1030-2070**
Max. Thickness	1.8mm
Accuracy	±0.3m
Dimensions	68x40x16mm
Operation Environment	Temperature: 0 - 40 °C Relative humidity: < 80%
Battery	Cr2032
Weight	25g

ELECTRONIC BRAKE FLUID TESTER

- Small size easy to use
- Measuring result
- Green : no water
- Yellow: less than 1% of water
- Yellow/yellow: approximately 2% of water
- Yellow/yellow/red: approximately 3% of water(the brake fluid should be changed)
- Yellow/yellow/red/red: at least 4% of water,(the brake fluid must be changed urgently)
- It can be used to test the brake fluid quality and indicates on five leds in terms of percent of water in the brake fluid, remind you to change the brake fluid when necessary to avoid traffic accident
- 4.1 x aaa/1.5v battery

Code	**1032-0070**

DIGITAL TYRE PRESSURE GAUGE

- Pressure range:0-100 PSI
- Accuracy: ±1%
- Muli-scales: PSI,Bar,Kgf/cm²,Kpa
- Key:ON/OFF,Unit conversion
- Auto power off
- Long-life 3 V lithium coin cell

Code	**1030-3030**

MULTIFUNCTION VIDEO SCOPE

- 3.5" color LCD with high visibility
- Flexible probe with memory
- Fully adjustable LED lights
- With function of taking photos,video,rotation,partial zoom,
- TF memory card and USB interface
- The monitor can apart from the grip to transmit image wirelessly
- Four wireless trequency for your choice

This Multifunction video inspection has been designed as a user friendly and economical way of solving hidden problems and increasing productivity
(eg. Inspect vent pipe and system of air conditioner, machine equipment, engine and so on)
It is widely applied for maintenance of the industry,the building,the aviation, the vehicles also easy to inspect the pick up samll objects,record image

Code	1030-2035	1030-2040	1030-2045
Outer diameter of camera head	5.5mm	9mm	12mm
Focal length	10mm	50mm	50mm and 50cm (for your choice)
Viewable angle	60°		
Probe length for choice	1m/2m/3m or customized (max length 15m including extension) (1030-2035 Max length 15m inoluding extension)		
Extension for choice	1m, 2m, 3m		
Image display	3.5"TFT/LCD		
Image storage media	Micro SD card (Support up to 16G)		
Image resolution	640×480 pixels		
LCD Resolution	320×240 pixels		
Image zooming	4 times		
TV output format	NTSC/PAL		
Wireless transmission frequency	2414MHz、2432MHz、2450MHz、2468MHz		
Wireless transmission distance	Up to 10M; If no obstacles, will more than 10M		
Attachment	Micro SD card、one into two cable、Micro SD to SD transition pocket、TV cable、USB cable		
Probe length	100cm or your required length		
Probe and camera head protection	IP67		

HD INSPECTION CAMERA Code: 1030-2125

IMAGE SENSOR

1/9 inch HD CMOS image sensor made in USA. image sensor is the soul to a borescope. We believe US sensor make it better.

720p HD

LCD SCREEN

4.3" IPS LCD Screen gives you a wide view crystal clear display. You can see more details in a more convenient way.

IPS

IP67

- 180° image rotation and mirror flip feature
- Large 4.3" (109 mm) color TFT LCD screen
- 9 mm camera probe with a 2.9 ft (88cm) flexible goose-neck cable

720P HD Camera

Photo Capture

9mm

Specs

Camera head size	Image sensor	Camera resolution	Lcd display size	Lcd resolution	Camera fov (field of view)	Camera dof (depth of field)	Camera probe length	Camera warterproof
9mm	1/9" cmos	1280x720pix	4.3 inch	480x272pix	63 degree	1.2-3.5inch	2.9ft	Ip67
Power	Working hours	Light source	Recording medium	Still image storage format	Image capature	Image flip/zoom	Interface	
4 pcs dry battery	2.5- 3.0 hours	4 pcs led	Internal memory	Jpeg 1280x720	Yes(picture only)	Yes	Usb	

Drop Protection

Long-Lasting Battery

CE FC RoHS

INFRARED THERMOMETER

- It is widely applied for measuring temperature in the automobile,the electric power, the chemical industry,the food processing and so on
- Measure the surface temperature at a safe distance
- Auto power off

Code	1030-2001
Range	-20°C～320(°C-4°F～608)°F
Pixel	8:1 optical resolution
Temperature Unit	°C or °F selectable
Accuracy	+/- 4OF(2OC)

INFRARED THERMOMETER WITH LARGE RANGE

- Easy to read digital LCD display with blue backlight
- During the measurement, the max. reading will be displayed beside the "MAX" icon
- LASER EMITTER: Class IIIa Laser (American Standard), or Class II Laser (European standard)
- Laser pointer

Code	1030-2003
Range	-40°C～580°C(-40°F～1076°F)
Accuracy	>0°C: ±2°C ≤0°C: ±3°C
Display resolution	0.1
Optical ratio (D:S)	12:1
Spectral Response	8～14μm
Response Time	500mSec, 95% response
Repetition	1% of reading or 1°C

IR THERMOMETER WITH WARNING

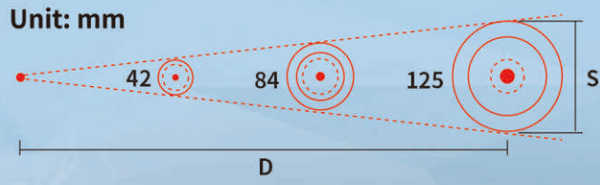
Model: 1030-2120

CE FC RoHS

Wide Application

12:1 Distance to spot ration

Unit: mm



Respomse Time	< 0.8s
High Precise	± 2% or ± 2°C
IRT Temperature	-50°C~ 550°C (-58°F~1022°F)

- Adjustable Emissivity (0.10~1.00)
- Low Batterry Indicator
- C/ F Selection
- High and Low Temperature Alarm
- Data Hold Function
- Adjustable Emissivity (0.10~1.00)
- Auto shut-off
- Self-calibration
- Positioning Laser Conversion

Temprature Warning

IR THERMOMETER WITH MILDEW ALARM

WITH TEMPERATURE READING

Model: 1030-2115

Yellow Indicator Light
Free of Mildew

Red Indicator Light
Suffered Mildew

WOOD, HUMIDITY AND CONSTRUCTION MOISTURE

UV LIGHT
LEAK DETECTION ON FLUORESCENT (OPTIONAL)

MULIT LASER DOTS
SEE MEASURING ZONE EXACTLY, EASY TO FIND (OPTIONAL)

Ambient Humidity

Ambient Temperature

Response Time	≤0.8S
Emissivity	Adjustable (0.1 to 1.0)
Distance to Spot Ratio	12:1
Temperature Range	-50C°-650C°(-58°F-1202°F) -50°C-0°C(±3°C) 0-800°C(±1.5% reading+ 2°C/4°F)
Ambient Temperature	±1.0°C/2°F (0-45°C/32-113°F) ±1.5°C/3°F (-10-0°C, 45-60°C/14- 32°F, 113-140°F)
Ambient Humidity	±4.0%RH (20-80%) ±5.0%RH (0-20%;80%--100%)
Dew point temperature	-10-50°C (14°F-122°F ±1.5°C/3°F
Laser target pointer	Mulit dots Targeting
Color display LED	Color display
Storage Temperature	-20-50 °C
Power /Power Life	9V/about 10 hours

CE FC RoHS

INFRARAED THERMAL IMAGER

- This instrument is a handheld thermal imager, which is powered by four 1.5V AA (or equivalent) batteries
- This instrument image display resolution is 320 x 240 pixels. The temperature of the center point of the displayed measured surface and the highest and lowest temperature measured surface and the highest and lowest temperature of the displayed measured surface can modes: infrared image, visible image, fusion image
- Captured images can be saved in the TF card, and you can view them through menu and can edit the image files on a computer via USB port

Code	1030-2002
Range	-40~+400°C
Image display resolution	320 x 240 pixels
Display	2.4" (495mmx377mm)
Color Palettes	Iron, Rainbow, White Hot, Red Hot, Black Hot, Lava, Rainbow HC
Detector resolution	120x90
Infrared Spectral Band	8um-14um
Emissivity correction	0.95(default)0.01-0.99
Response time	⩽500ms
Built-in Digital Carema	640*480
Storage medium	TF Card, 16GB
Power supply	Li-ion 3.7V/2600mAh

DIGITAL AC CLAMP METER

To measure AC current, AC/DC voltage, and Resistance, Continuity tests of diode and circuit. Max voltage between the voltage input end and the earth is CATIII600V.

- Auto/manual ranging
- Data hold
- Display backlight
- Low battery display
- Auto power off
- Safety rating: CAT III 600V

SPECIFICATION

Unit:mm

Code	Function	Range	Resolution	Accuracy
1030-2095	DC-Voltage	200mV/2V/20V/200V	0.1mV/1mV/10mV/0.1V	± (0.8%rdg+2dgt)
		600V	1V	± (1.0%rdg+2dgt)
	AC-Voltage	2V/20V	1mV/10mV	± (1.0%rdg+5dgt)
		200V/600V	0.1V/1V	± (1.2%rdg+5dgt)
	AC-Current	2A/20A	0.001A/0.01A	± (3.0%rdg+15dgt)
		200A/600A	0.1A/1A	± (3.0%rdg+10dgt)
	Resistance	200Ω/2KΩ/20KΩ/200KΩ/2mΩ	0.1Ω/0.001KΩ/0.01KΩ/0.1KΩ/0.001mΩ	± (1.2%rdg+2dgt)
		20mΩ	0.01mΩ	± (2.0%rdg+5dgt)
	Diode	open circuit voltage 1.5V		
	Continuity buzzer	< 60Ω		
	Power supply	3 x 1.5V AAA batteries		

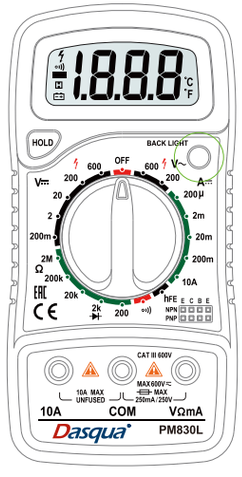
ACCESSORIES

Main unit	1pc
Probe	2pcs
1.5V battery	3pcs
User Manual	1pc

DIGITAL MULTIMETER

To measure DC Voltage,AC Voltage,DC Current, Resistance. Continuity tests of diode and circuit. 2000 counts display, With data hold, back light.

- Data hold
- Display backlight
- Low battery display
- Safety rating: CAT III 600V



SPECIFICATION

Unit:mm

Code	Function	Range	Resolution	Accuracy
1030-2100	DC-Voltage	200mV/2V/20V/200V	100μV/1mV/10mV/100V	± (0.5%rdg+2dgt)
		600V	1V	± (0.8%rdg+2dgt)
	AC-Voltage	200V/600V	100mV1V	± (1.2%rdg+10dgt)
	DC-Current	200μA/2mA/20mA	0.1μA/1μA/10μA	± (1%rdg+2dgt)
		200mA	100μA	± (1.5%rdg+2dgt)
		10A	10mA	± (3.0%rdg+2dgt)
	Resistance	200Ω/2KΩ/20KΩ 200KΩ/2mΩ	0.1Ω/1Ω/10Ω/100Ω	± (0.8%rdg+3dgt)
	Continuity buzzer	about less than70±30Ω		
	Diode	Open circuit voltage 3.2V		
	Power supply	9V battery, NEDA 1604 6F22 006P type		

ACCESSORIES

Main unit	1pc
Probe	2pcs
9V battery	1pc
User Manual	1pc

DIGITAL SOUND LEVEL METER

- Altitude up to 2000 meters
- Relative humidity 75% max
- Operation temperature from 0 - 40°C
- Operation Environment: 0 - 40°C (32 - 104°F) 10 - 75%RH
- Storage Environment: -10 - 50°C (14 - 122°F) 10 - 90%RH

Code	1030-2061
Measuring Range	(28)30dB -130dB
Resolution	0.1dB
Accuracy	±1.5dB(reference conditions 94dB@1kHz)
Response time	FAST 125ms / SLOW 1sec
Display Update	2 times / second
Frequency Range	31.5Hz - 8KHz
Frequency Weighting	A / C
Battery Life	Approximately 110 hours
Power supply	One 9V battery
Product Size	185(L)x65(W)x35(H)mm
Product Weight	150g (including battery)
Accessories	9V battery, instruction manual

CONCRETE TEST HAMMER

- Non-desctructive measurement
- Fast Measurement and low cost
- Used to measure the strength of building components, bridges and various concrete components (such as slabs, beams, columns, bridges, etc.)

Code	1032-0030
Range	10-70MPA
Impact Energy	2.207±0.1J (0.225Kgf.m)
Length of Spring Stretch	75±0.3mm
The static friction of pointer slider	0.65±0.15N
Redius of spherical tip	25mm±1mm
Average rebound values on steel anvil	80±2
Dimension	ϕ54*280mm
Weight	1kg

VIBRATION TESTER

- Automatic power off
- Lightweight & small Size for operation
- Headphones is optional for detection
- USB & RS-232 for data output
- Bluetooth data output (Optional)
- Used to measure mechanical vibrations to detect imbalances and deviations of machines,providing data for quality control, operating time management and equipment maintenance
- High-performance accelerometers for precise measurements
- Wide frequency range,can reach 10Hz~10KHz in acceleration mode
- Equipped with AC signal output for easy detection and record

Code	1032-0005
Measuring Parameters	Acceleration Speed Displacement
Range	Acceleration:0.1~400m/S² Peak Speed:0.01~400mm/s Effective Value Displacement:0.001~4.0mm Peak-Peak
Frenquency Range	Acceleration:10Hz-10kHz Speed:10Hz-1kHz Displacement:10Hz-1kHz
Accuracy	± (5%n+2)
Reading	Metric/Inch
Display	LCD Display
Power Supply	4 x AAA Battery
Operation Temperature	0-50°C
Operation Humidity	＜90%RH
Data Output	USB,RS-232
Dimension	124*62*30
Weight	120g(Excluded Battery)

VIBRATION PEN

- Data save
- Automatic power off
- Single key control, easy to operate
- Low energy consumption
- Automatic switching between three measuring parameters
- Rapid inspection of equipment such as motors, fans, pumps, compressors, machine tools, etc., to prevent mechnical failures to equipments

Code	**1030-2075**
Measuring Parameters	Acceleration Speed Displacement
Range	Acceleration:0.01mm/s²-199.9mm/s Speed:0.1mm/s-199.9mm/s Displacement:0.001mm-1.999mm
Frenquency	Acceleration:10Hz-1kHz Speed:10Hz-1kHz Displacement:10Hz-500Hz
Display	LCD Display
Power Supply	2 * Lr44
Operation Temperature	0-40°C
Operation Humidity	＜85%RH

GAS LEAK DETECTOR

- Auto Off
- With LCD display
- Easy to use and operation
- With visible & audible alarm
- Can detect a large number of flammable gases, like methane, natural gas, propane, butane, ethane, coal gas, gas oil, gasoline, etc
- Detect gas range between 50-10,000 parts per million (ppm)
- High precision gas sensor for fast response and accurate & reliable detection

Code	**1032-0010**
Range	50-10000PPM
Alarm	Visible & Audible
Auto Off	Yes
Material	ABS
Power	AAA battery

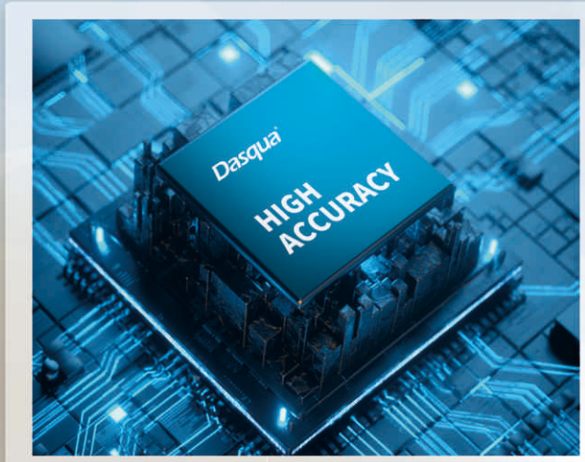
MAGNETIC GAS LEVEL INDICATOR

- Mainly used for outdoor travel, camping, barbecues, boating, hiking, etc.
- The indicator color scale will changes according to gas level
- Samll size and lightweight, for take & store and take
- Made of quality PET plastic,sturdy and solid, firm and strong, for long time use
- Easy to Use: place the test strips on the gas hydraulic tank and wait about 10 minutes, then the value will be displayed
- Safely and accurately measure the gas capacity

Code	**1032-0025**
Material	PET Plastic + Soft Magnetic
Quantity	1pc
Size	100*60*10mm

CONBUSTIBLE GAS LEAK DETECTOR

Code: 1030-2130



Audio-Visible

Buzzer Alarm

Can detect many kinds of flammable gas

CH_4 Acetone	CO GAS/Carbon monoxide	Gasoline/alcohol
CH_2C_{12} Propane	C_6H_6 benzene	C_2H_4O Ethylene Oxide
C_5H_{14} Hexane	C_6H_{10} N-butane	C_2H_2 Acetylene

Wide Application

It is widely used in: gas pipeline detection, household gas prevention, metallurgy, tunnel and mine operation, oil and gas mining, dangerous goods storage warehouse, etc

Conbustible Gas Detection

Launch Prepare **<30s**

Quick Response **<5s**

- Detection range: 50-10000PPM(based onmethane)
- Sensitivity: 2 level
- Alarm: sound
- Response time: Instantaneous
- Operating temperature: 14°F to 122°F

CE FC RoHS

BELT TENSION METER-SONIC TYPE

- Automatic Power off
- Can save 20 set belt parameters
- Small size for handy use and tight spaces
- Direct result, more convenient than mechnical version
- Used to measure the tension of the belt during impact or rapid movement by sonic

Code	1032-0205
Range	10-680Hz
Input Range	Free Belt Length: Max.999.9mm
	Belt Mass: Max9.999g/m
	Belt Width: Max999.9mm/R
Accuracy	±1Hz ＜100Hz ±1% ＞100Hz
Unit	Hz/N
Display Error	±1Hz
Total Error	＜5%
Power Supply	4 x 1.5V AAA
Dimension	140*72*34mm
Operating Temperature	10°C~50°C

BELT TENSION METER-SONIC TYPE

- Automatic Power off
- Can save 20 set belt parameters
- Small size for handy use and tight spaces
- Direct result, more convenient than mechnical version
- Used to measure the tension of the belt during impact or rapid movement by sonic

Code	1032-0225
Range	10-500Hz
Resolution	0.1Hz
Accuracy	±1%
Display	LCD
Power Supply	4 x 1.5V AAA
Dimension	140*72*32mm
Operating Temperature	10°C~50°C

BELT TENSION METER-LASER TYPE

- Metric & Inch
- Automatic Power off
- Small size for handy use and tight spaces
- Used to measure the tension the belt quickly by laser
- Direct result, more convenient than mechnical version

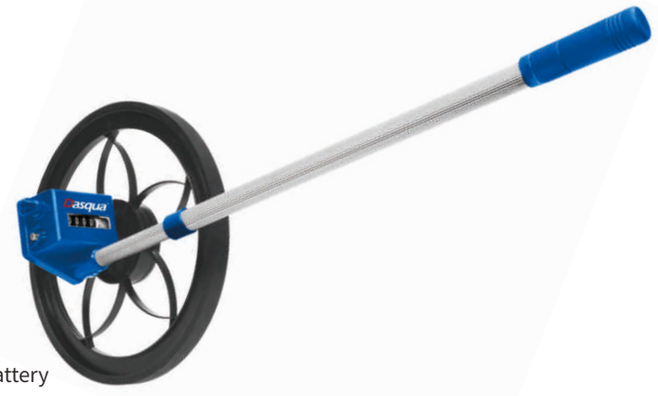
Code	1032-0235	1032-0240
Range	10-500Hz	10-800Hz
Input Range	Free Belt Length: Max.99.99mm Belt Mass: Max9.999kg/m	
Accuracy	＜1%	
Unit	Metric: m, kg/m, N	Inch:Inch, lbs/foot, lbf
Display Error	±1Hz	
Total Error	＜5%	
Optical Measurement Distance	3~20mm	
Power Supply	4 x 1.5V AAA	
Dimension	178*72*34mm	
Operating Temperature	10°C~50°C	

MOISTURE METER

- Data output by USB
- Blutooth(Optional)
- Large measuring range 0-80%
- With LCD display and lED light indication
- Adopts the pin type,can measure most of materials and with high accuracy
- Used to measure moisture of non-conductive materials such as wood,wood fiber (such as bamboo products, wooden products), traditional Chinese medicine, tobacco, cotton, building materials, oil products, etc
- By measuring the conductivity between two pins to measures the moisture content in materials

Code	6724-0005
Sensor Type	Pin Type
Range(Moisture)	0-80%
Resolution	0.1
Accuracy	±(0.5%n+1)
Display	LCD Screen
LED Indication	Green:Decay Impossible Yellow:Decay Possible Red:Decay Inevitable
Working Condition	Temperature:0~50°C Humidity:＜90%RH
Power	4 x 1.5V AAA
Dimension	165*62*26mm
Weight(Battery Excluded)	119g
Length of the Pin	10.5mm
Diameter of Pin	1.9mm

DIGITAL MEASURING WHEEL



- 4 * AAA battery
- Large LCD for easy reading
- Large measuring range
- Mainly used in the industrial of construction, architecture, highway, land surveying, site investigation,athletic field,etc

Code	1032-0060
Range	999,999.9M
Resolution	0.1m

DIGITAL DISPLAY ROLLER RULER

- On/Zero
- Metric/Inch
- With Rechargeable battery(Type C-USB)
- Ip40 protective rating
- Metal marking scriber included
- Auto shut-off after 30 minutes

Code	1804-1056
Range	0-199.99m
Measuring range	0 -10m/32.8"
Resolution	0.001m/0.01"
Accuracy	±0.1% of calculated value
Measuring speed	6m/second
Four measurement mode	linear, rectangle area,cube and diameter of circle
Working temperature	0 - 40° C
Battery	Cr2032

DIGITAL SMART MEASURING TAPE

- Data record
- Measure lenth and circumference
- Data track in weekly/monthly/yearly
- Bluetooth connection to APP

Code	1804-1057
Range	1500mm/60"
Accuracy	2‰
Unit	Metric/Inch
Battery	Cr2032

6 DIGITAL RATCHET COUNTER

- Totate back to set Zero
- Accumulate and record the number of mechnical movements

Code	1032-0170
Number of Digits	6
Range	0-999999
Size	92*48*32mm

BENCH TYPE TESTING MACHINE

BORN IN ITALY, RAISED BY THE WORLD

02-12 BENCH TYPE HARDNESS TESTING MACHINE

13-20 BENCH TYPE OPTICAL MEASURING MACHINE

21-23 OTHER BENCH TYPE MEASURING MACHINES

ROCKWELL HARDNESS TESTER

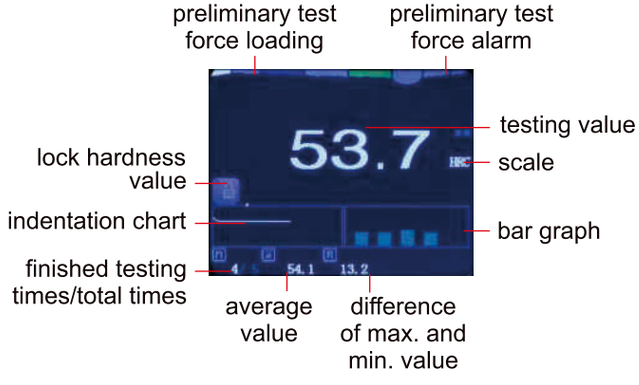
This hardness tester is used for detemining Rockwell hardness of hard alloys, quenched and unquenched steels.

Code	6720-1005
Maximum load	150 kg (1471N)
Load range	60 100 150kg(588.4N,980.7N,1471N)
Initial range load	10 kg (98.07N)
Maximum test height	170mm (6-3/4")
Depth of throat	130mm (5-1/4")
Maximum depth of spindle below base	50mm (2")
Size of base	240x465mm (7"-18")
Machine height	630mm (24-1/2")
Weight (approx)	75kg (200lbs)

STANDARD ACCESSORIES	
Large testing tableφ150m/m(5-3/4")	1
Small testing tableφ62m/m(2-3/8")	1
V-block anvilφ58(2-3/16")	1
Diamond penetrator 120°	1
Steel ball penetrator 1/16"	1
Replacement steel ball 1/16"	5
Rockwell A standard test block	1
Rockwell B standard test block	1
Rockwell C standard test block	1
Rockwell C standard test block	1
Rockwell C standard test block	1
Screwdrivers	2
Level adjusting leg	3
Accessory box	1
Dustproof plastic cover	1
Operation manual	1

- The high quality casting and fine craftsmanship ensure accurate,consistent readings
- Manual testing process, no need for electric controlling

DIGITAL ROCKWELL HARDNESS TESTER



- Strictly made in accordance with ISO 6508
- Tolerance testing
- Convert to other Rockwell scales, HV OR HB
- Memory of testing values
- Calibration function compensates the testing value for high accuracy
- Set testing times to get average value, and the difference of max. and min. value

V-type anvil (included) for cylinders with diameter Ø4~60mm

small V-type anvil (**optional**) for cylinders with diameter Ø2~4mm

Ø60mm flat anvil (included)

Ø150mm flat anvil (included)

wireless printer (**optional**)

SPPECIFICATION

Code	**1807-1020**
Hardness scale	HRA,HRB, HRC.HRD HRF, HRG (with standard indenters)
Resolution	0.1HR
Test force	588.4N、980.7N、1471N (60、100、150kgf)
Measuring range	20-88HRA, 20-100HRBW, 20-70HRC
Dimenson	220x510x694mm
Weight	90kg
Power supply	220V, 50Hz
Max. workpiece height	210mm
Max. testing width	165mm (from the center of indenter to the wall of main body)

STANDARD DELIVERY

Main unit	1 pc
60mm flat anvil	1 pc
150mm flat anvil	1 pc
V-type anvil	1 pc
Diamond indenter	1 pc
ϕ1.5875mm carbide ball indenter	1 pc
Hardness test block HRA80-88	1 pc
Hardness test block HRB85-95	1 pc
Hardness test block HRC20~30	1 pc
Hardness test block HRC35-75	1 pc
Hardness test block HRC60-70	1 pc

OPTIONAL ACCESSORY

Printer	

MOTORIZED ROCKWELL HARDNESS TESTER

- Easy, fast and high sensitivity in operation
- Made of high-quality casting one-stage processing, ensure high stability
- Adopts the frictionless spindle, for high accuracy of the test force
- Motorized control of loading test force, eliminates the error caused by manual operation

Code	6720-1010
Max.Load	150Kg(1471N)
Load Range	60Kg/100Kg/150kg(588.4N/980.7N/1471N)
Max. Test Height	210mm
Depth of Throat	165mm
Resolution	0.5HR
Power Supply	AC22V,50Hz
Dimension	510*220*694mm
Weight	90Kg

STANDARD ACCESSORIES

Main Unit	1
Large Test Table	1
Small Test Table	1
V Test Table	1
120° Diamond Indenter	1
ϕ1.588 Steel Ball Indenter	1
Rockwell A Standard Test Block	1
Rockwell B Standard Test Block	1
Rockwell C Standard Test Block	1
Rockwell C Standard Test Block	1
Rockwell C Standard Test Block	1
Screwdrivers	2
Level Adjusting Leg	3
Dustproof Cover	1

BRINELL/ROCKWELL/VICKERS HARDNESS TESTER

Electric Brinell/Rockwell/Vickers Hardness Tester is suitable for hardening steel, surface hardening steel, cemented carbide steel, cast iron, nonferrous metal, various quenched and tempered and annealed steel, hardened thin steel plate, soft metal, surface heat treatment and chemical heat treatment, etc. It is a common hardness testing machine for industrial and mining enterprises

- It has three test methods: Brinell, Rockwell and Vickers.
- Multi-purpose and multi-function hardness tester with Seven-level test force can meet the requirements of users for various hardness tests.
- Rockwell hardness reading dial pointer display, Brinell and Vickers look-up table
- Test force exertion, loading and unloading are automatically completed
- Wide range of application and easy operation

Code	1804-3610
Initial force	98.07N(10kg) Tolerance±2.0%
Total force	98.07N(10kg)~1839N(187.5kg) Tolerance：±1.0%
Brinell test force	31.25kgf(306.5N),62.5kgf(612.9N),187.5kgf(1839N)
Brinell scale	HBW2.5/31.25,HBW2.5/62.5, HBW2.5/187.5,HBW5/62.5
Specification of diamond indenter	Diamond Rockwell indenter and Diamond Vickers indenter
Specification of steel ball indenter	ϕ1.5875mm,ϕ2.5mm,ϕ5mm Steel ball indenter
Rockwell test force	60kgf(588N)100kgf(980.7N)150kgf(1471N)
Rockwell scale	HRA HRB HRC HRD HRE HRF HRG HRK HRH
Vickers test force	30kgf(294.2N) 100kgf(980.7N)
Vickers scale	HV30 HV100
Minimum unit of measurement	Brinell:0.004mm Vickers:0.002mm
Amplification of Microscope	37.5x,75x
Rockwell maximum test height	260mm
Maximum test height of Brinell and Vickers	200mm
Duration time	2~60s
Rockwell hardness test range	20HR~100HR
Vickers hardness test range	8HV~2900HV
Brinell hardness test range	8HBW~650HBW
Power supply	AC220+5%,50~60Hz
Shape size(mm)	540×230×820mm
Host weight	80kg

Standard delivery	
Rockwell indenter	1
Vickers indenter	1
Measuring microscope	1
Hardness block	5
Power cord	1
Objective lense	2
ϕ1.5875、2.5、5mmCemented carbide ball	One of each
Fuse 2A	2
Floodlight	1
Large, medium and V-shaped test-platform	one of each
Sliding test bench	1
Product Description	1

DIGITAL BRINELL/ROCKWELL/VICKERS HARDNESS TESTER

Digital Brinell/Vickers/Rockwell Hardness Tester applies to hardened steel,surface-hardened steel, hard alloy steel,cast iron,nonferrous metal,various tempering steel,hardened thin steel,and even including softer metal,surface-heat-treatment metal,chemical-heat-treatment metal etc,commonly used in industrial mining enterprises and scientific research institutions.

- Three measuring modes:Brinell/Rockwell/Vickers
- A multipurpose and multifunctional hardness with seven grade load can meet the requirements of various hardness measuring
- Digital readout of Brinell/Rockwell/Vickers hardness on LCD

Automatic loading,load holding and unloading

Wide range of use and easy operation

Code	1804-3611-A
Preload	98.07N(10kg)
Load	98.07N(10kg)~1839N(187.5kg)
Brinell load	31.25kgf(306.5N),62.5kgf(612.9N),187.5kgf(1839N)
Brinell scale	HBW2.5/31.25,HBW2.5/62.5, HBW2.5/187.5,HBW5/62.5
Diamond indenter	Diamond Rockwell indenter,Diamond Vickers indenter
Ball indenter size	ϕ1.5875mm,ϕ2.5mm,ϕ5mm
Rockwell load	60kgf(588N) 100kgf(980.7N)150kgf(1471N)
Rockwell scale	HRA HRB HRC HRD HRE HRF HRG HRK H RH
Vickers load	30kgf(294.2N) 100kgf(980.7N)
Vickers scale	HV30 HV100
Minimum	Brinell:0.004mm Vickers:0.002mm
Magnification	37.5x,75x
Rockwell max test height	260mm
Brinell/Vickers max test height	200mm
Load holding time	2~60s
Rockwell hardness range	20HR~100HR Accuracy:±0.1HR,repeatability: 0.5HR
Vickers hardness range	8HV~2900HV Accuracy(δ/%):±2,repeatability(Hcf/%):≤2.5
Brinell hardness range	8HBW~650HBW Accuracy(δ/%):±2.5,repeatability(Hcf/%):≤3.0
Power supply	AC220+5%,50~60Hz
Outline size(mm)	540×230×820mm(720*500*1020)
Total weight	125kg

Standard delivery	
Diamond Rockwell indenter	1
Diamond Vickers indenter	1
Microscope	1
Hardness block	5
Power cord	1
Objective lens	2
ϕ1.5875、2.5、5mm carbide steel ball	3
Fuse 2A	2
Light	1
Large、Mid、V-shaped bench	3
Slip bench	1
Product manual	1

MOTORIZED DIGITAL ROCKWELL/SUPERFICIAL ROCKWELL HARDNESS TESTERS

DATA OUTPUT

FORCE LOADING BY ELECTRIC MOTOR (WITHOUT WEIGHTS)

elevate the stage by hand to let the workpiece touch the indenter protection cover, press start to start testing automatically, the preliminary and main test force are loaded automatically

- Tolerance testing
- LCD touch screen, easy operation
- Force loading by electric motor (without weights)
- The test force is selected automatically according tohardness scale
- Automatic testing, the preliminary and main test force are loaded automatically
- Convert to other Rockwell scales, HV or HB automatically
- Insert USB flash disk, save the testing results as Excel
- Self-correcting the hardness value for curved workpieces
- According to ISO 6508

SPECIFICATION

Code		1807-1000	1807-1005	1807-1010
Type		Rockwell	Superficial Rockwell	Rockwell and Superficial Rockwell
Hardness scale	with standard indenters	HRA, HRB, HRC, HRD, HRF, HRG	HR15N, HR30N, HR45N, HR15T, HR30T, HR45T	HRA, HRB, HRC, HRD, HRF, HRG, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
	with optional indenter	HRE, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV	HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y	HRE, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV, HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y
Preliminary test force		98N/10kgf for Rockwell	29.4N/3kgf for Superficial Rockwell	98N/10kgf for Rockwell 29.4N/3kgf for Superficial Rockwell
Test force		588N (60kg), 980N (100kg), 1471N (150kg)	147.1N (15kg), 294.2N (30kg), 441.3N (45kg)	147.1N (15kg), 294.2N (30kg), 441.3N (45kg), 588N (60kg), 980N (100kg), 1471N (150kg)
Stage elevation		manual		
Load control		automatic (load/dwell/unload)		
Load dwell time		0~60 second		
Resolution		0.1HR		
Output		USB		
Max. workpiece height		220mm		
Max. testing width		200mm (from the center of indenter to the wall of main body)		
Power supply		220V, 50/60Hz		
Dimension		510×260×780mm		
Weight		70kg		

STANDARD DELIVERY

Code			
Main unit	1 pc	1 pc	1 pc
Ø63mm flat anvil	1 pc	1 pc	1 pc
Ø150mm flat anvil	1 pc	1 pc	1 pc
V-type anvil	1 pc	1 pc	1 pc
Diamond indenter	1 pc	1 pc	1 pc
Ø1.5875mm carbide ball indenter	1 pc	1 pc	1 pc
Hardness test block HRB88~95	1 pc	—	1 pc
Hardness test block HRC60~65	1 pc	—	1 pc
Hardness test block HRC20~30	1 pc	—	1 pc
Hardness test block 78~88HR15N	—	1 pc	1 pc
Hardness test block 55~73HR30N	—	1 pc	1 pc
Hardness test block 57~69HR30T	—	1 pc	1 pc
USB flash disk (8G)	1 pc	1 pc	1 pc
Level	1 pc	1 pc	1 pc
Touch pen	1 pc	1 pc	1 pc
Anti-dust cover	1 pc	1 pc	1 pc

M

DIGITAL MOTORIZED BRINELL HARDNESS TESTER

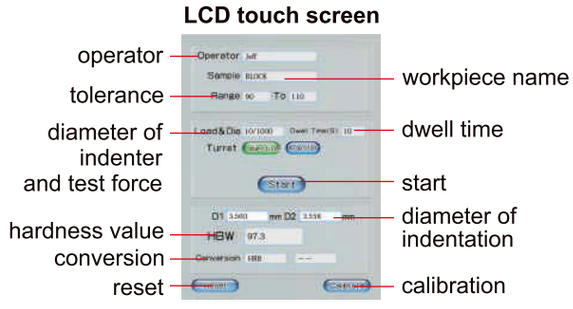
- Motorized control of loading test force, eliminates the error caused by manual operation.
- Ten level testing force, a wider testing range, and higher accuracy
- Made of high-quality casting one-stage processing,ensure high stability
- Used for testing the hardness cast iron, steel, non-ferrous metals, soft alloys,etc
- It can also be used for hardness testing of some non-metallic materials such as hard plastics

Code	6720-2005
Brinell Scales	HBW2.5/62.5,HBW2.5/187.5,HBW5/125,HBW5/750, HBW10/100,HBW10/1500,HBW10/3000,HBW10/250, HBW10/500,HBW10/1000
Brinell Test Load	62.5kgf/100kgf/125kgf/187.5kgf/250kgf/500kgf/ 750kgf/1000kgf/1500kgf/3000kgf 612.9N/980.7N/1226N/1839N/2452N/4903N/7355N/ 8907N/14710N/29420N
Brinell Hardness Range	8~650HBW
Mim. Testing	0.01mm
Max. Test Height	280mm
Depth of Throat	150mm
Total Magnification	20x
Power Supply	AC22V,50~60Hz
Dimension	230*600*920mm
Weight	123Kg

STANDARD ACCESSORIES

Main Unit	1
Large Test Table	1
Small Test Table	1
V Test Table	1
ϕ10 Diamond Indenter	1
ϕ5 Diamond Indenter	1
ϕ2.5 Diamond Indenter	1
Standard Brinell Test Block (200±50HBW)	1
Standard Brinell Test Block (100±25HBW)	1
Microscope	1
Screwdrivers	2
Level Adjusting Leg	3
Dustproof Cover	1

MOTORIZED DIGITAL BRINELL HARDNESS TESTERS



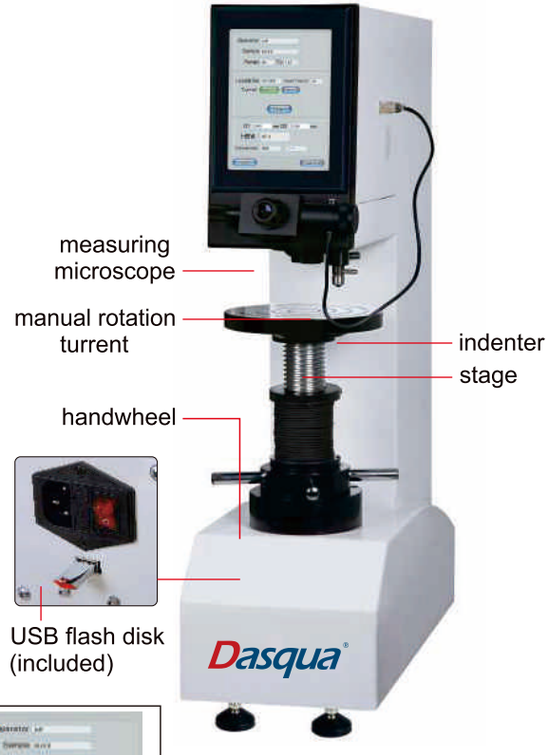
V-type anvil (included)

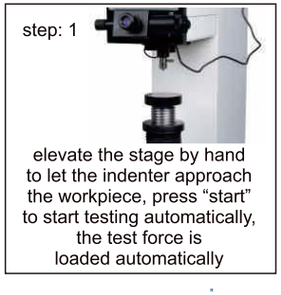
Ø80mm flat anvil (included)

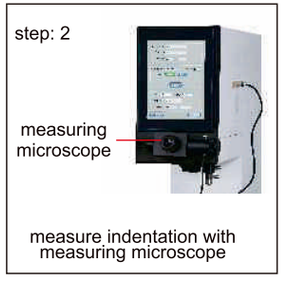
Ø200mm flat anvil (included)

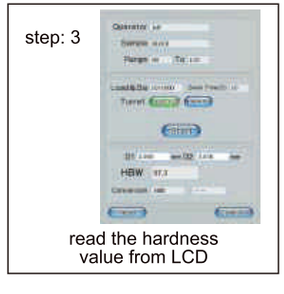
touch pen (included)

desk (**optional**)









- Tolerance testing
- Automatic testing automatic test force loading LCD touch screen, easy operation
- Measure indentation by measuring microscope then read the hardness value from LCD
- Converted to HRA HRB HRC HRD HRF HV HB HR15N HR30N HR45N HR15T HR30T HR45T
- Insert USB flash disk, save the test results as Excel
- Force loading by electric motor, without weights
- According to Iso 6506

AUTOMATIC TESTING, AUTOMATIC TEST FORCE LOADING

FORCE LOADING BY ELECTRIC MOTOR (WITHOUT WEIGHT)

SPECIFICATION

Code		1807-2000	1807-2005
Turret rotation		manual	automatic
Range		8~650HBW	
Reading mode		directly read from LCD	
Test force		62.5, 100, 125, 187.5, 250, 500, 750, 1000, 1500, 3000kgf	
Max. workpiece height		200mm	
Max. testing width		155mm (from the center of indenter to the wall of main body)	
Stage elevation		manual	
Load control		automatic (load/dwell/unload)	
Load dwell time		5~60 second	
Measuring microscope	magnification	20X	
	resolution	0.625μm	
Power supply		220V, 50/60Hz	
Dimension		550x210x750mm	
Weight		110kg	

STANDARD DELIVERY

Main unit	1 pc
Ø80mm flat anvil	1 pc
Ø200mm flat anvil	1 pc
V-type anvil	1 pc
Ø2.5mm carbide ball indenter	1 pc
Ø5mm carbide ball indenter	1 pc
Ø10mm carbide ball indenter	1 pc
Hardness test block 150~250HBW2.5/187.5	1 pc
Hardness test block 75~125HBW10/1000	1 pc
Hardness test block 175~250HBW10/3000	1 pc
USB flash disk (8G)	1 pc
Touch pen	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

Hardness test block 200~300HBW2.5/187.5
Hardness test block 90~200HBW10/1000
Hardness test block 200~300HBW10/3000
Brinell indentation measuring system
Desk

M

MICRO VICKERS HARDNESS TESTER

- Preset test force
- Adjustable measuring light source
- Mainly used for measuring the hardness for small or thin workpieces
- High magnification optical measurement system for more accurate measurements
- Can measure the micro Vickers hardness of brittle materials such as agate, glass, ceramics, etc

Code	**6720-3005**
Test Force	10gf,25gf,50gf,100gf,200gf,300gf,500gf,1000gf0.098N,0.246N, 0.49N,0.98N,1.96N,2.94N,4.9N,9.8N
Measuring Range	5HV-3000HV
Resolution	0.1HV
Load of Test Force	Automatic
Shift of Lens & Indenter	Automatic
Scales	HRA/HRB/HRC/HRD/HRF/HV/HK/HBW/HBS/HR15N/HR30N/ HR45N/HR15T/HR30T/HR45T
Objective Lens	10X & 40X
Microscope	10X
Total Magnification	100x, 400x
Duration Time	1~60s
Lighting	Halogen type light source
X*Y size	100*100mm
Travel	25*25mm
Max. Test Height	100mm
Depth of Throat	110mm
Power Supplier	AC 220V,50Hz
Dimension	500*250*560mm
Weight	50Kg

MAIN STANDARD ACCESSORIES

Main Unit	1
Cylinder Holder	1
Vice Holder	1
Slice Holder	1
Test Block	2
Objective Lens	10X * 1 40X * 1
Microscope	1
Dustproof Cover	1
Level	1
Fuse	2

MACRO VICKERS HARDNESS TESTER

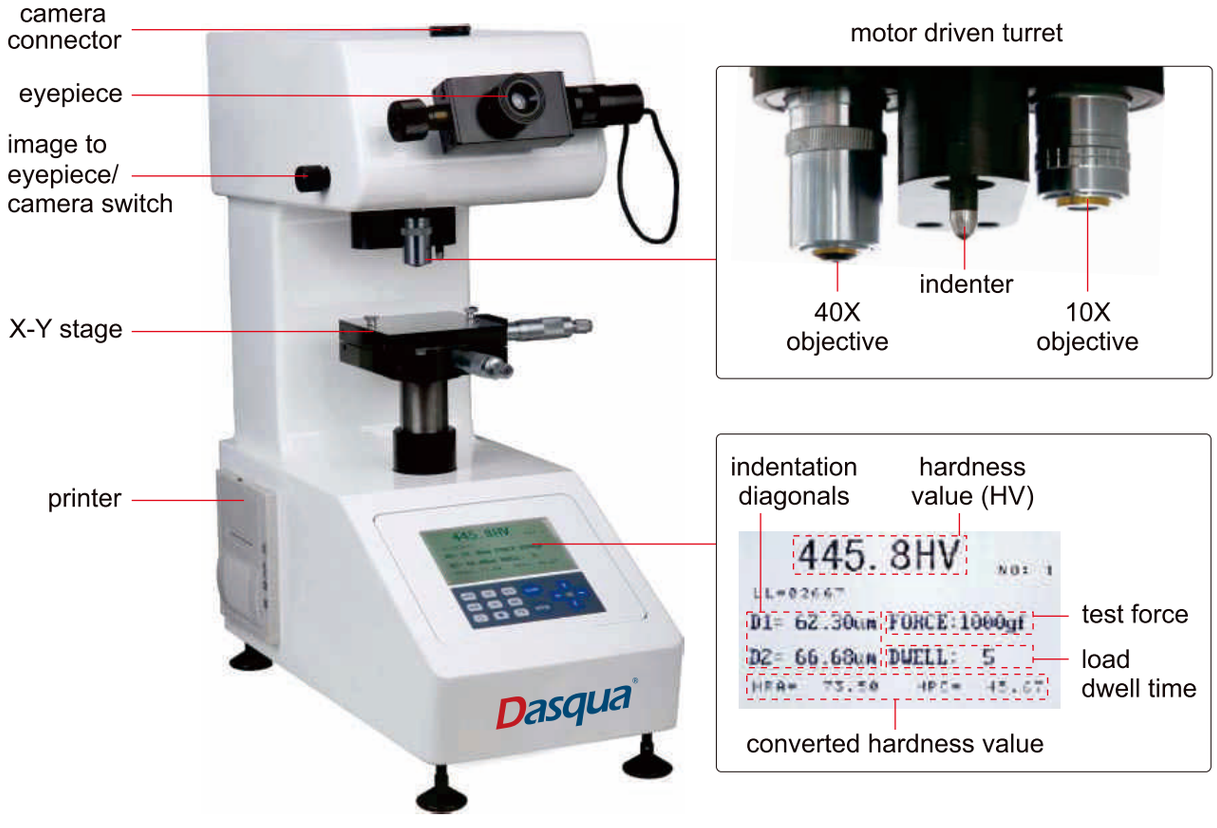
- Mainly sued for measuring the hardness for small or thin workpieces
- Can measure the micro Vickers hardness of brittle materials such as agate, glass, ceramics, etc
- Larger measuring range and More Application
- LCD display screen, more convenient in use
- The indentation imaging is more clearer, make the measurement is more accurate
- Adopting a closed-loop loading control system for higher accuracy and stability

Code	6720-3010	6720-3015	6720-3020
Test Force	0.1Kgf,0.2Kgf,0.3Kgf,0.5Kgf, 1Kgf,2Kgf,2.5Kgf,3Kgf,5Kgf	0.1Kgf,0.2Kgf,0.3Kgf,0.5Kgf, 1Kgf,2Kgf,2.5Kgf,3Kgf,5Kgf,10Kgf	0.5Kgf,1Kgf,2Kgf,2.5Kgf,3Kgf, 5Kgf,10Kgf,20Kgf,30Kgf,50Kgf
Measuring Range	5HV-3000HV		
Resolution	0.1HV		
Load of Test Force	Automatic		
Shift of Lens & Indenter	Automatic		
Scales	HRA/HRB/HRC/HRD/HRF/HV/HK/HBW/HBS/HR15N/HR30N/HR45N/HR15T/HR30T/HR45T		
Objective Lens	10X & 40X	10X & 20X	10X & 20X
Microscope	10X		
Total Magnification	100x, 400x		
Duration Time	1~60s		
Lighting	Halogen type light source		
Max. Test Height	175mm		
Depth of Throat	125mm		
Power Supplier	AC 220V,50Hz		
Dimension	320*580*650mm		
Weight	55Kg	60Kg	70Kg

STANDARD ACCESSORIES

Main Unit	1	1	1
Large Test Table	1	1	1
Small Test Table	1	1	1
V Test Table	1	1	1
Vickers Indenter	1	1	1
Vickers Test Block	2	2	2
Objective Lens	10X * 1 40X * 1	10X * 1 20X * 1	10X * 1 20X * 1
Microscope	10x *1	10x *1	10x *1
Fuse	2	2	2
Level	1	1	1
Dustproof Cover	1	1	1

DIGITAL MICRO-VICKERS HARDNESS TESTER (ADVANCED TYPE)



cylinder holder (included)

vice (included)

slice holder (included)

- Measure hardness of thin or small workpieces
- Based on Vickers (HV), can be converted to Rockwell (HRA HRB and HRC)
- According to ISO 6507

SPECIFICATION

Code	1807-3000
Test force	0.01, 0.025, 0.05, 0.1, 0.2, 0.3, 0.5, 1kgf
Vickers scales	HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1
Stage elevation	manual
Load control	automatic (load/dwell/unload)
Load dwell time	5~60 second (5 second increment)
Objective	10X, 40X
Eyepiece	15X
Total magnification	150X (for observation) 600X (for measurement)
Max. workpiece height	85mm
Max. testing width	85mm (from the center of indenter to the wall of main body)
X-Y stage	dimensions: 100×100mm travel range: 25×25mm graduation: 0.01mm
Data output	RS232C
Power supply	110/220V, 50Hz
Dimension	540x500x640mm
Weight	50kg

STANDARD DELIVERY

Main unit	1 pc
10X, 40X objective	1 pc of each
Micro Vickers indenter	1 pc
Hardness test block 400~500HV0.2	1 pc
Hardness test block 700~800HV1	1 pc
Slice holder	1 pc
Vice	1 pc
Cylinder holder	1 pc
Level	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

20X objective	
Hardness test block 400~500HV0.2	
Hardness test block 700~750HV1	
Measuring system	
Camera adapter	

HIGH ACCURACY MANUAL VISION MEASURING MACHINE

STANDARD DELIVERY:

Description	Description
Measuring Software	Operation Manual,Packing List
LED parallel contour illumination	Data Cable
Surface 4R/8D LED Illumination	Controller
Power Cable	0.5um Linear Scale
Click Zoom Lens	Calibration Block
1/2.9“ Digital Camera	Video Cable
Anti-dust Cover	Fuse
3mm Hex Key Wrench	Warranty Card
Dongle	Product Certification

- High definitive detented zoom lens and high resolution digital camera, to ensure clear image without distortion
- High accuracy A grade optical linear scale with precision working stage, to ensure the accuracy is within 2.0+L/200um
- High precision marble base and pillar, to ensure high stability and accuracy
- High precision toothless rod and fast moving locking device, to ensure repeatability error less than 2um
- With programmable surface 4-ring 8-division LED Cold Illumination and contour LED parallel illumination and internal intelligent light adjustment,it can automatic control the brightness in the 4-ring 8-division
- Powerful function iMeasuring2.1 measuring software highly enhance the quality control situation

Code	1804-7007	1804-7008	1804-7009
X/Y-axis Travel	400x300mm	100x100mm	200x100mm
Z-axis Travel	200mm	100mm	200mm
X/Y/Z-axis Travel	0.5 um		
X/Y-axis Accuracy	≤2.0+L/200(um)		
Repeatability	±2um		
Base and Pillar	High Accuracy Marble		
Illumination System (Software Adjustment)	Surface: Stepless Adjustable 4-ring 8-division LED Cold Illumination		
	Contour: LED Parallel Illumination		
	LED Laser Navigation Lights		
CCD Camera	High Resolution Digital Camera		
Zoom lens	6.5X High Resolution Detented Zoom Lens		
	Magnification:0.7X~4.5X;Video Magnification:26X~172X		
Working Environment	Temperature :20°c±1C, change range < 1C/hr		
	Humidity:30%%~800RH		
	Vibration<0.002g,<15Hz		
Measuring Software	iMeasuring 2.1		
Operation System	Support XP, WIN7, WIN8.1, WIN 10, 32/64 operating system		
Language	English, Simplified Chinese, Traditional Chinese, other language versions can be added		
Net Weight	350Kg		

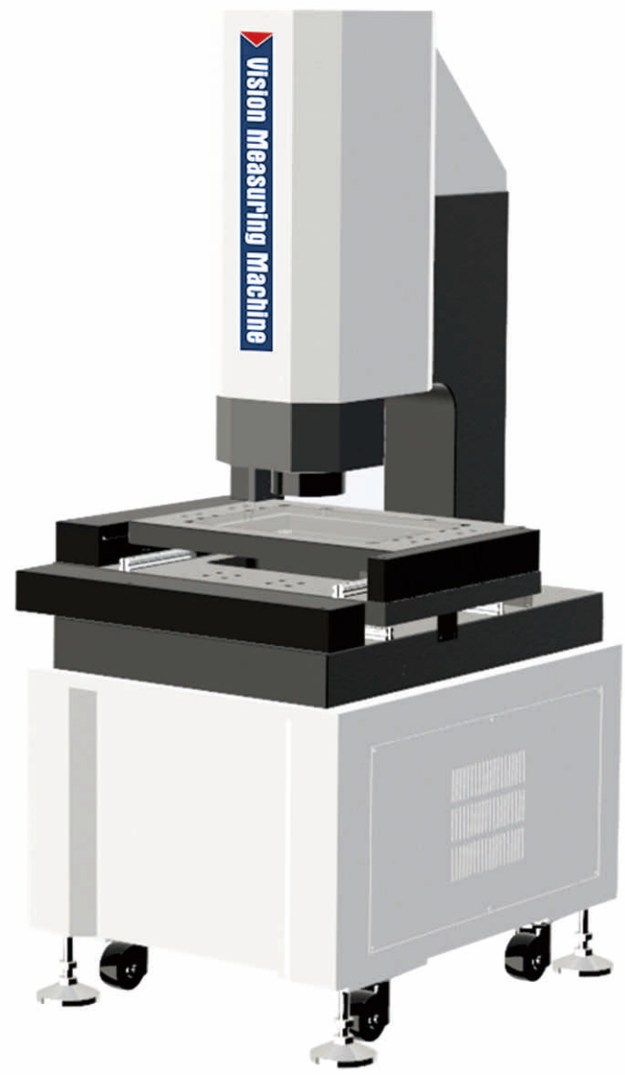
VISION MACHINE SYSTEM (SEMI-AUTOMATIC)

- High definitive detented zoom lens and high resolution digital camera,to ensure clear image without distortion
- High accuracy a grade optical linear scale with precision working stage to ensure the accuracy is within 2.0+l/200um
- High precision marble base and pillar, to ensure high stability and accuracy
- High precision toothless rod and fast moving locking device,to ensure repeatability error less than 2um.
- With programmable surface 4-ring8-division led cold lllumination and contour led parallel illumination and internal intelligent light adjustment,it can automatic control the brightness in the 4-ring 8-division
- Powerful function "measuring 2.1" measuring software highly enhance the quality control situation

Code	1804-7030	1804-7035
X/Y Travle	200x100	300x200
Z Travel	200mm	
X/Y/Z Resolution	0.5μm	
Drive Model	X/Y:Manual Z:Automatic	
Accuracy	＜2.0+L/200(μm)	
Camera	1/3" Color CCD Camera	
Zoom Lens	0.7X-4.5X	
Total Magnification	26.6X-172X	
Filed View	8.1-1.3mm	
Power	AC 100-240V 50/60Hz	
Working Temperature	20°C ±1°C	
Humidity	＜80%RH	
Operation System	Win7, Win8, Win10, 32/64 system	
Weight	350Kg	

2.5D VISION MACHINE SYSTEM-AUTOMATIC

- X/Y/Z three-axis CNC fully automatic precision control, precise positioning
- Adopting marble base and columns, with high stability
- Precise linear guides, ball screws, and servo motors ensure the accuracy and stability of the system
- With 0.5 μm high-precision grating ruler ensures the high accuracy of system positioning and measurement
- High definition digital cameras for clear observation and precise measurement
- 6.5X high definition optical lens, precise zoom
- Programmable 5-ring 8-zone LED light and parallel LED contour light system, provides 256 levels brightness adjustment intelligently
- Fully automatic measuring software is powerful and easy to operate



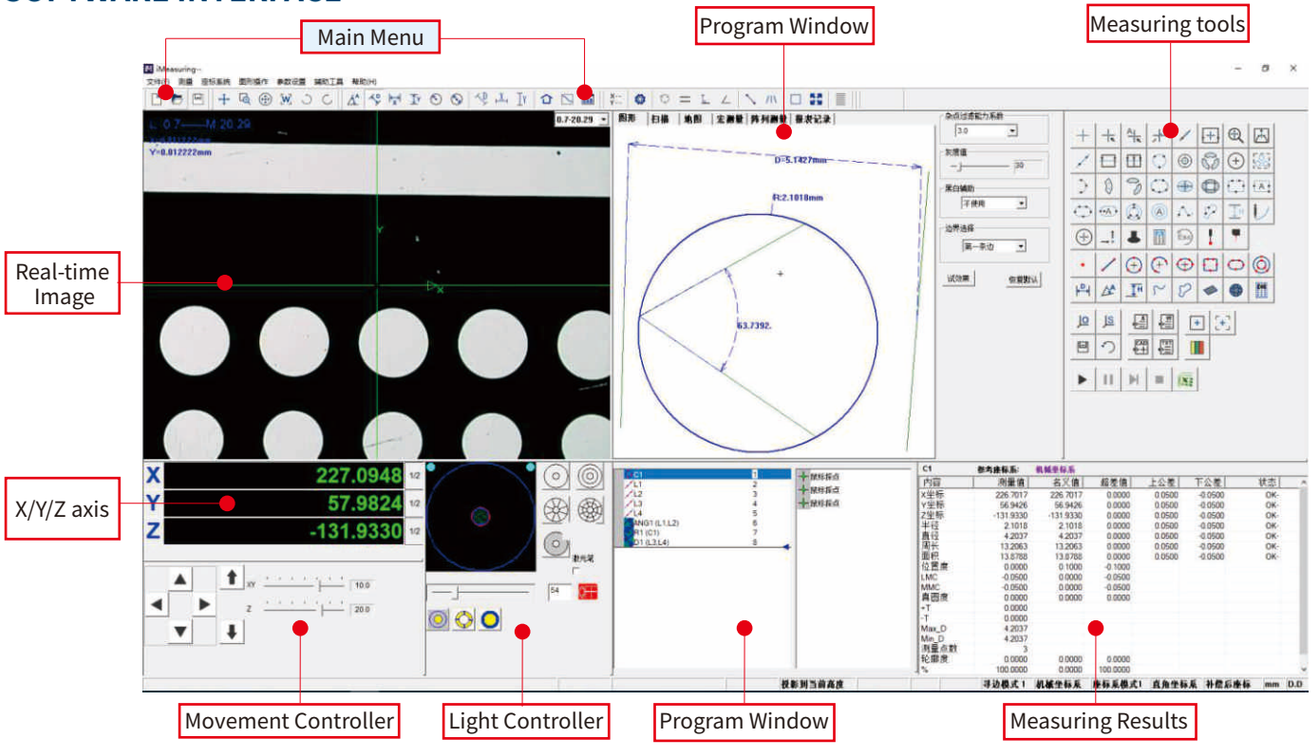
Code	**1804-7025**
X/Y Travel	300*200 mm
Z Travel	200mm
X/Y/Z Resolution	linear encoder：0.5um
Accuracy	X/Y：≤2.5+L/200(um)　　Z：≤5.0+L/200(um)
Repeatability	±2um
Digital Camera	1/2.9”High definition digital camera
Zoom Lens	0.7x-4.5x Lens
Total Magnification	26X~172X
Light-Contour	Parallel Contour Light
Light-Surface	5-Ring 8 Division, 0~255 level adjustable Light
Soft	Fully automatic image measuring system
Load Capacity	25Kg~50Kg
Work Condition	Temperature:20°C±2°C,　Humidity:＜80%RH
Power Supply	220V/50Hz/10A
Dimension	789*636*1520mm
Weight	200Kg

HIGH ACCURACY AUTOMATIC VISION MEASURING MACHINE

- XYZ three-axis CNC automatic precision control, precise positioning
- Granite base and pillar, good stability
- Precision linear guides, grinding-grade ball screws and AC servo motors, etc., ensure the accuracy and stability of the motion system
- 0.5μm high-precision grating ruler to ensure the positioning accuracy and measurement accuracy of the system
- High-resolution digital camera to meet the needs of clear observation and precise measurement
  6.5X high-definition optical lens, accurate zoom, one-time pixel correction
- Program-controlled 5-ring 8-area LED surface illumination and parallel LED contour illumination system intelligently realize 256-level brightness adjustment
- Vimeasoft series automatic Vision measurement software, powerful and easy to operate

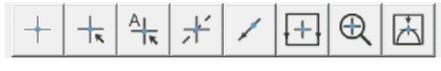
Code	1804-7019	1804-7020	1804-7021	1804-7022	1804-7023
X/Y Axis Travel	220*120	300*200	400*300	500*400	600*500
Z Axis Travel	150mm	200			
X/Y/Z-3 Axis Linear Scale	Glass grating ruler, resolution: 0.5um				
Accuracy	XY Axis：≤2.5+L/200(um)　Z Axis：≤5.0+L/200(um)				
Repeatability	2um				
Operation Mode	Joystick controller, Mouse operation, automatic detection program.				
Video System	1/2"CCD Digital Color Camera	1/3" High Resolution Digital Camera			1/2" High Resolution Digital Camera
	6.5X Manual Zoom Lens, Optical Magnification：0.7X-4.5X, Video Magnification：26.6X~171X				
Operation System	win7、win10、win11				
Power Supply	220V/50Hz/10A				
Load Capacity	20kg	25Kg~50Kg			
Dimension(WxDxH)	760*600*900	1132*720*1665	1280*840*1688	1257*920*1640	1600*1050*1650
Net Weight	146kg	380kg	450kg	600kg	1380kg
Note	L is measured length(mm), the mechanical accuracy of Z-axis and focus accuracy is greatly related to the surface of the workpiece.Magnification is approximate value, it is related to the dimension of monitor and resolution.0.5X or 2X objective is optional available according to the needs				

SOFTWARE INTERFACE



MEASURING TOOLS INTRODUCTION:

To realize the measuring of point, line, circle, arc, ring, rectangle, ellipse, curve, etc.



Support measuring of multiple different points

Support multiple different curve, ring and slot measuring tools, also include vision measuring height, profile scanning

Support multiple different line and circle measuring tools

Support multiple different arc, ellipse and rectangle measuring tools

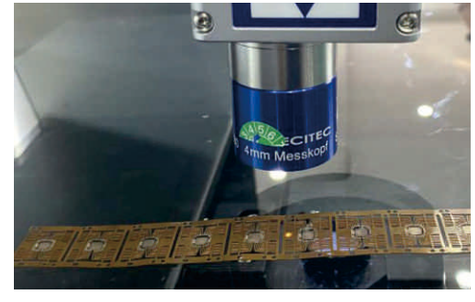
Construct measuring tools

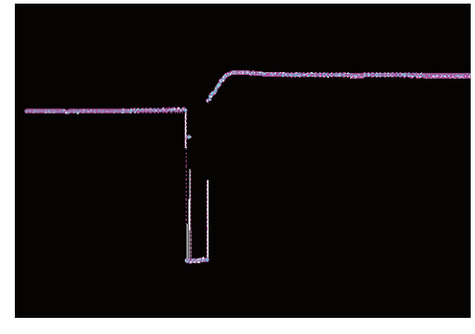
PROBE

The software supports to add contact probe for 3d measuring

LASER MEASURING

Powerful laser measurement function, easy to achieve high-speed measurement of flatness, subtle concave points, convex points, V-shaped angles and high-precision surface scanning, and objects that cannot be measured by probes





M

AUTOMATIC VISION MACHINE SYSTEM

Widely used in the field of machinery, electronics, instrument and plastic CNC video measuring system is used in two dimension measurement, especially in non-contact measuring, quick batch measuring, and measuring of sophisticated workpiece.

- Automatic focusing, automatic edge detection, powerful programming and automatic measuring function
- Sub pixel subdivision technology helps improve edge resolution
- The machine can be operated by either the joystick or the software programming
- SPC data processing contributes to fixture measurement in large scale
- Servo motor control in X, Y, and Z axis leads to quick and high precision positioning and stable operation
- Independently developed embedded module control system ensures more stable operation by integrating the sophisticated control system within the instrument
- The five- ring-eight-section surface cold light source is suitable for measuring sophisticated workpiece
- The laser indicator can quickly locate the position of the workpiece

Code	1804-7005
Metal worktable size(mm)	500x330
Glass worktable s1ze(mm)	350x250
Travel(mm)	270x170
X,Y, Z axis resolution	0.5μm
Accuracy(μm)	E1XY=(2.5+L/IOO)μm
Weight (kg)	168
Z axis travel (mm)	150
Camera	1/2" color CCD camera
Zoom lens	0.7X-4.5X
Total magnification:	20X -128X
Object view	11.1mm -1.7mm
Power	AC 100-240V 50/60Hz
Spare parts	0.5X lens cone (standard)
Optional	Auto zoom lens, laser shifter, MCP probe

VERTICAL PROFILE PROJECTORS

- Projector is a precision optical measuring instrument widely used in the automotive industry, plastic & rubber industry, machinery manufacturing industry, electronics industry, watch industry, aviation industry,etc
- The lifting system adopts ball cross guide rail structure and precision screw drive, making the lifting transmission stable
- Adopting coating process reflector, the image is clear and dust-proof,convenience in measurement
- Uses aspherical condenser provides the bright vision, reduce the error and ensuer high accuracy
- Use imported high-brightness, long-life led light to meet measurement needs
- The axial flow fan dissipates heat in both directions, providing heat dissipation efficiency and extending servicelife

Code	1804-7205
Work Tabel Size(mm)	350*202
X-Y Travel(mm)	150*100
Resolution(mm)	0.001
Focus Range(mm)	0~90
Accuracy(mm)	3+L/75μm(L is the measuring length)
Max.Load Capacity(Kg)	5
Projector Screen(mm)	φ300
Projector Screen Rotating(°)	0-360
Working Environment	Room Temperature:20°C±5°C Relative Humidity:40%-70%RH
Power Supply	220V/50Hz
Gross/Net weight(Kg)	135
Dimension (mm)	380*694*1058
Objective Lens	
Magnification	10x(Standard)
View Field	φ30mm
Working Distance	75mm

20x(Optional)	φ15mm	69mm
50x(Optional)	φ6mm	44mm
100x(Optional)	φ3mm	26mm

AUTOMATIC FLASH IMAGE MEASURING EQUIPMENT

HIGH EFFICIENT PRECISE SIMPLE FAST OUTPUT

- Automatic focus adjustment: "automatic focus" can automatically adjust the z-axis height, so that the measured object is in a clear state
- Measurement at 99+ different characteristics of the workpiece at same time
- Automatic measurement: The self-developed automatic measurement operator realizes the simultaneous measurement of width, hole,
- ring, angle and other elements. It is easy to use and fast to measure
  Measurement results are automatically saved, export to statistical forms
- Measure 100+ workpiece at one time

Item no.			1805-2000	1805-2010
Measuring range(mm)	wide field		ø100×80	200×200
	small field		/	130×130
Accuracy (μm)	Without splicing	wide field	±3	±3
		small field	/	±1
	With splicing	wide field	/	± (5+0.02L)
		small field	/	± (3+0.02L)
repeated accuracy (μm)	Without splicing	wide field	±1	±1
		small field	/	±0.5
	With splicing	wide field	/	±2
		small field	/	±1.5
Travel(mm)			Z axis:75	X axis:120, Y axis:125, Z axis:75
Dimension of glass plate (mm)			150×150	249×229
Optical System	Lens		Φ100mm Bi-telecentric lens	Φ100mm Double field, Bi-telecentric lens
	Surface light (electric)		4-zone medium and low angle ring lighting (white light), ring(directional) lighting (green light)	4-zone medium and low angle ring lighting (white light), ring (directional) lighting (green light)
	Transmission light		Telecentric Parallel Illumination (Green Light)	Telecentric Parallel Illumination (Green Light)
Dimension (mm)			580×235×790	580×430×790
Weight (kg)			≈40	≈55
Capacity (kg)			5	
Measuring results			2D measurement	
Data output			Data transmission and statistics	
Power requirement			220V~, 50Hz, 600W	
Operating Environment			Temperature:+20±2°C,Humidity:30%-80%,Vibration:＜0.002g,<15Hz	

Standard Configuration	Optional Configuration	
Machines	Coaxial light	Network card
Computer	Pedal	CAD import function
encryption system	Data transmission software	MES transmission function
Software	Remote control function	Customization

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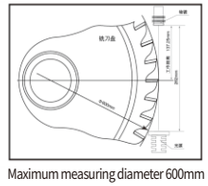
DIGITAL TOOL PRESETTER

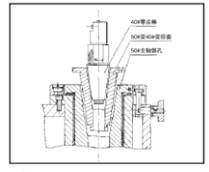
- The guide rail of the instrument is a mixed structure of rolling and sliding (plastic paste). The X direction is a sliding (plastic-coated) guide rail with good rigidity and stable precision, driven by a ball screw. The Z direction is THK precision rolling guide imported from Japan. Flexible operation, high precision, long life, no crawling
- The Z direction of the instrument is equipped with a fast and micro-movement mechanism
- The tool locking adopts vacuum locking, which has strong versatility (The instrument comes with a vacuum pump)
- The instrument adopts CCD optical non-contact measurement system. The display part is a 17" color LCD screen
- The instrument is equipped with image processing software, which has the functions of automatic tracking and recognition of the full-screen winter shape of the cutting edge and automatic and accurate measurement of the radius and length of the cutting tool
- The instrument can automatically track and measure the angle and arc R of the tool
- The instrument has a center preset function, which can accurately adjust the boring and milling tools to the required size
- The instrument is equipped with a precision grating system, which has the functions of metric and imperial conversion and diameter and radius conversion
- The instrument is controlled by PC, which can exchange data with the host very well, and can store the information of 10,000 cutting tools
- The instrument can be equipped with a variety of general-purpose printers (optional).11. The instrument can choose ISO/BT50, 40, 30, HSK, VDI, and other spindle forms and can be equipped with various diameter reducing devices (optional)The instrument adopts a fully enclosed, electrostatically sprayed shell. Marble top, floor base. It is suitable for on-site use in modern large-scale workshops

Self-developed software

Multi sizes applicative


Maximum measuring diameter 600mm

Precision dense ball shafting


Conversion kit applicative

High level accuracy of μ

Dasqua Code		1805-1000	1805-1005
Measuring Range	Radial (X) Measuring Range R	300(Φ600)	300(Φ600)
	Axial (Z) Measuring Range L	600	700
Resolution		0.001mm	
Display System	Objective Lens Magnification	2X	
	Total Magnification	70X	
	Display Screen	17'' LCD	
	Light Source	LED cold light	
Spindle Parameters	Spindle Runout	Radial circular runout ⩽ 5μm	
	Spindle Taper	7:24	
	Drive Mode	Manual	
Repeated Positioning	X	±0.002mm	
Accuracy	Y	±0.002mm	
Computer		Standard Configuration	
Instrument Dimensions: (LxWxH) mm		1300x650x1950	

Code	ACCESSORY	REMARK
1805-0065	The Vacuum Clamping Device	For ISO30/BT30
1805-0050	Spindle Adapter	BT50-BT30
1805-0070	Spindle Adapter	BT50-BT40
1805-0075	Spindle Adapter	BT50-HSK32
1805-0080	Spindle Adapter	BT50-HSK40
1805-0085	Spindle Adapter	BT50-HSK50
1805-0090	Spindle Adapter	BT50-HSK63
1805-0095	Spindle Adapter	BT50-HSK80
1805-0100	Spindle Adapter	BT50-HSK100

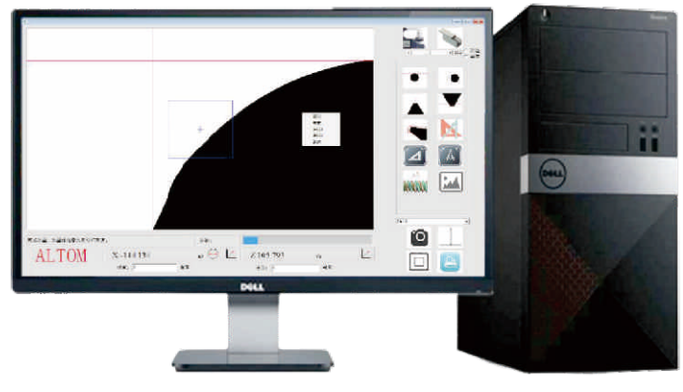
Note:

- **The Vacuum clamping device is a must when order HSK Type Spindle Adapter**
- **Working table is not included for Manual type and Semi-Automatic type**

DIGITAL TOOL PRESETTER

- Provide comprehensive tool measurement and detection functions, which can measure tool diameter, height, angle, runout, deviation calculation, straight line and vertical distance, edge shape difference, etc
- Can measure all kinds of boring cutters, milling cutters, non-standard customized tools, etc
- Adjustable column is used to facilitate the precision adjustment and restoration of the body and prolong the service life
- Mechanical drive design, no need air source, no consumable parts
- Universal computerized design, no need for professional motherboard, low maintenance cost
- The base and column are made of high-quality steel materials, which have the same thermal expansion coefficient as the guide rail material, and can be used directly in the workshop environment
- High-precision digital imaging system, 50 times magnification
- Key components such as the spindle, grating, imaging, and guide rails are designed with double seals
- Standard fine adjustment system for micron-level measurement
- Automatic tracking of dynamic crosshairs, automatic recognition of blade shape, graphical interface, one-button measurement
- Multiple languages are available

Code		1805-0020	1805-3000	1805-3005	1805-3010	1805-3015	1805-3020	1805-3025	1805-3030
Measuring Range	X Axis (mm)	300	300	400	400	400	500	500	600
	Z Axis (mm)	400	500	500	600	700	600	700	700
Spindle Holder		ISO50、ISO40 (optional)							
Spindle accuracy		0.001mm							
Bearing weight of spindle		100KG							
Accuracy of displaying		1um							
Negative direction through spindle center		50mm							
Fine adjustment		Wireless fine adjustment system for micron-level measurement							
magnifications		50times							
Drive model		Manual both X and Y axis							
Display system		Digital Industrial Imaging System USB High Speed Connection							
Weight		Above 100KG (different depends on different sizes)							
Dimension		900mm×400mm×1000mm (different depends on different sizes)							
Power supply		220V±10% AC 50Hz							
Applicable Temperature		-10°C~50°C							
Applicable Humidity		<90%							
Computer		4G memory, 3.0G dual-core, 500G hard disk Windows system, 6 USB ports, RS232 port.							
Display		21 Inch LCD screen							



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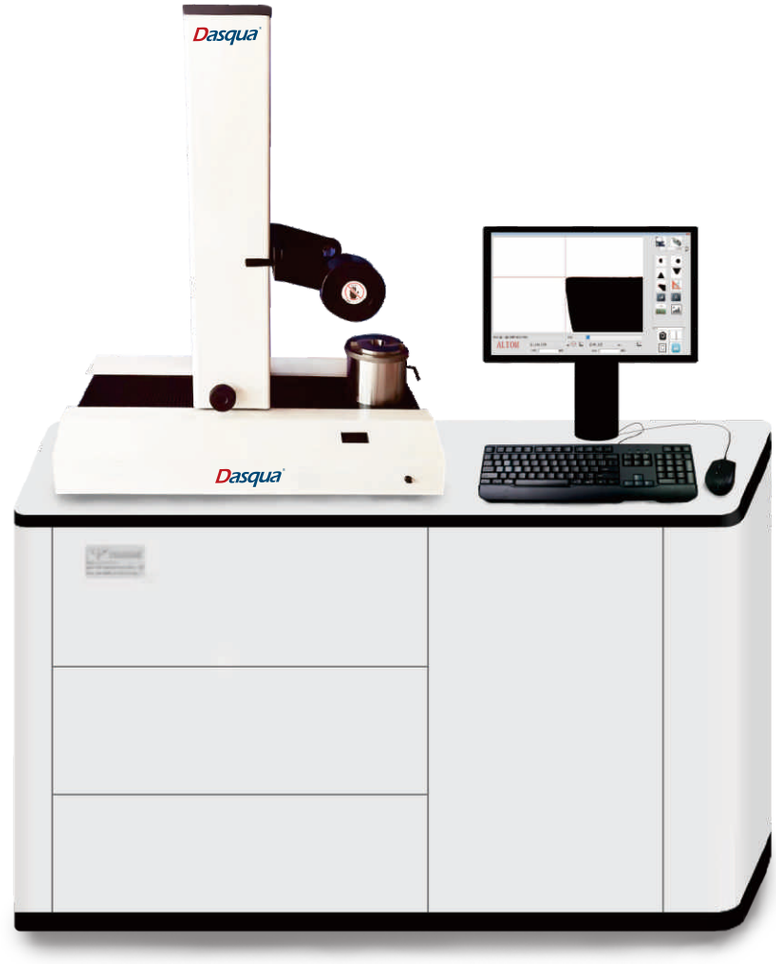
AUTOMATIC DIGITAL TOOL PRESETTER

- Provide comprehensive tool measurement and detection functions, which can measure tool diameter, height, angle, runout, deviation calculation, straight line and vertical distance, edge shape difference, etc
- Can measure all kinds of boring cutters, milling cutters, non-standard customized tools, etc
- Adjustable column is used to facilitate the precision adjustment and restoration of the body and prolong the service life
- Mechanical drive design, no need air source, no consumable parts
- Universal computerized design, no need for professional motherboard, low maintenance cost
- The base and column are made of high-quality steel materials, which have the same thermal expansion coefficient as the guide rail material, and can be used directly in the workshop environment
- High-precision digital imaging system, 50 times magnification
- Key components such as the spindle, grating, imaging, and guide rails are designed with double seals
- Standard fine adjustment system for micron-level measurement
- Automatic tracking of dynamic crosshairs, automatic recognition of blade shape, graphical interface, one-button measurement
- Multiple languages are available

Code		1805-4000	1805-4005	1805-4010	1805-4015	1805-4025	1805-4020	1805-4025	1805-4030
Measuring Range	X Axis (mm)	300	300	400	400	400	500	500	600
	Z Axis (mm)	400	500	500	600	700	600	700	700
Spindle Holder		ISO50、ISO40 (optional)							
Spindle accuracy		0.001mm							
Bearing weight of spindle		100KG							
Accuracy of displaying		1um							
Negative direction through spindle center		50mm							
Fine adjustment		Wireless fine adjustment system for micron-level measurement							
magnifications		50times							
Drive model		Automatic both X and Y axis							
Display system		Digital Industrial Imaging System USB High Speed Connection							
Weight		Above 100KG (different depends on different sizes)							
Dimension		900mm×400mm×1000mm (different depends on different sizes)							
Power supply		220V±10% AC 50Hz							
Applicable Temperature		-10°C~50°C							
Applicable Humidity		<90%							
Computer		4G memory, 3.0G dual-core, 500G hard disk Windows system, 6 USB ports, RS232 port.							
Display		21 Inch LCD screen							



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Dasqua®

E-mail: **service@dasquatools.com**

Headquarters Italy : Dasqua S.R.L.
Via Codognino No. 4, 26854 Cornegliano Laudense (LO),Italy

America Branch: Dasqua USA CORP.
14758 Yorba Court,Chino,CA 91710 USA

China Branch : Dasqua Technology Ltd.
No.99,West Section of Hupan Road,Chengdu,Sichuan Pilot Free Trade Zone,China