



Dasqua

Dasqua

MECHANIST BRAND

BORN IN ITALY, RAISED BY THE WORLD

ABOUT DASQUA®



Same as some old customers know, since its establishment many years ago, Dasqua® has been only making and supplying the reliable industrial measuring tools meeting the engineering and inspection requirements. And they all well understand: **Dasqua®SIMPLY THE QUALITY.**

As time goes by, in the new millennium, Dasqua® continued it's steady pace of industrial quality products which are ready to be introduced to the market, helping customers become more productive and successful. And it is still recognized as one of the most trustful professional brand in this field. The key point of the reason is:

Dasqua® MAKE THE DIFFERENCE

• **MANUFACTURING**

The reliable and significant Dasqua® quality is due to long lasting well experienced workmanship, adhering to the precision standard. Dasqua® products are manufactured by using exact traditional procedures combined with state-of-art machinery. And it is also proud of being able to manufacture many globe most famous brands measuring tools by OEM production and has been highly valued by these customers.

• **TRACEABLE QUALITY CONTROL SYSTEM**

We all understand deeply that for measuring tools, even a small quality issue can cause big problem for our customers. As the same as you experienced before, a distinctive calibration certificate is attached to most of Dasqua® measuring tools. This unique calibration report indicates the TURE accuracy of the specified tool you are going to use. The tools you purchased are calibrated using reliable "Feinmess-Suhl" and "Zeiss" instruments in our workshop as standard procedures.

• **FAST DELIVERY**

We knew how time-sensitive your business is. We have 80% standard Dasqua® products in stock. We also established two order fulfilment centres strategically located in Europe and Asia respectively, which provide standard products, spare parts and our technical support.

• **WARRANTY**

WARRANTY is an indication of a manufacturer's confidence in the ability of the product to run "defective-free" for a specified time. Dasqua® measuring tools are guaranteed for LIFE TIME against defective accuracy and workmanship. For details, please refer to our printed warranty statement attached to each product you purchased.

Thanks for your trust during past decades. We, at Dasqua®, still keep striving to ensure our products are the best for our customers as before and always!

Yours truly,
The Dasqua® Team.



MACHINING



**FULL
PROCESS
INSPECTION**



**TRACEABLE
QUALITY
CONTROL**



**FAST
DELIVERY**

CATALOG

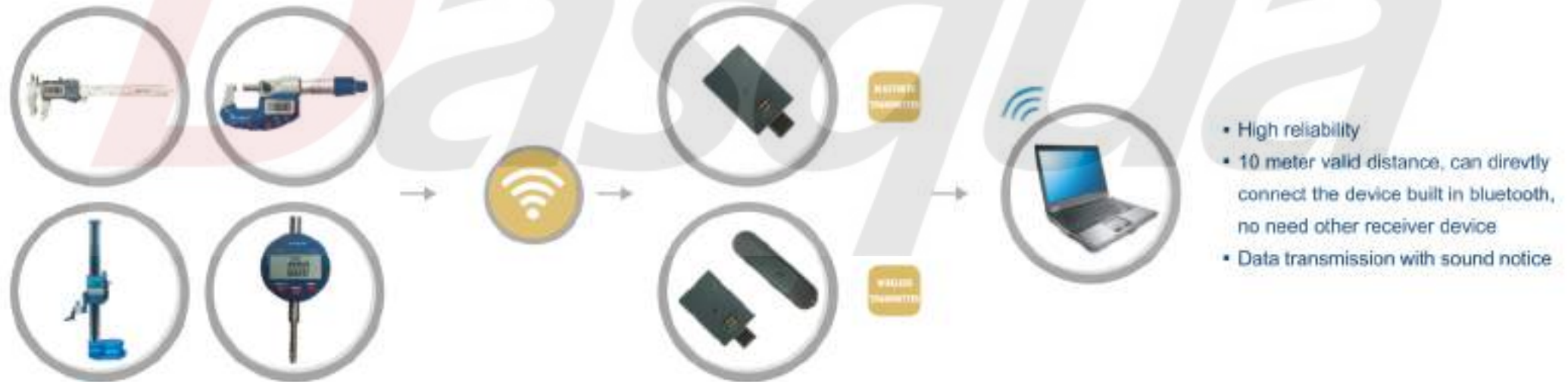
	03-26
	27-45
	46-62
	63-68
	69-75
	76-81
	82-88
	89-93
	94-97

DATA OUTPUT CABLE FOR DIGITAL MEASURING TOOLS



- High Reliability
- Transfer Data to office directly

BLUETOOTH/WIRELESS DATA TRANSMISSION DEVICE



BUILT-IN BLUETOOTH DATA TRANSMISSION



CALIPER[®]

- VERNIER CALIPER
- DIAL CALIPER
- DIGITAL CALIPER
- DEPTH CALIPER
- HEAVY DUTY CALIPER

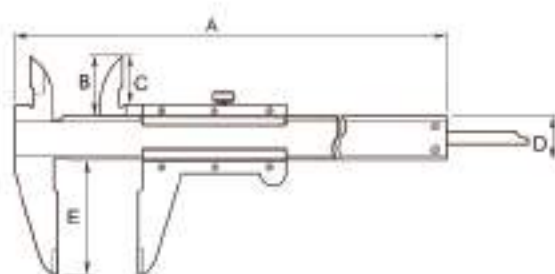




VERNIER CALIPER



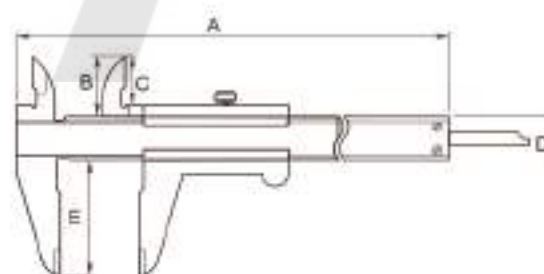
DIN 862



MONOBLOCK VERNIER CALIPER



DIN 862



- Strictly made in accordance with DIN862.
- Hardened, ground and lapped measuring surfaces.
- Silky smooth movement through.
- Solid stainless steel construction.
- Distinct lines and figures against the satin chrome finish make reading easy.
- 4-way jaw for outside, inside, depth and step measurement.
- Optional graduations: 0.02mm, 0.05mm/ 0.001", 1/128".

Unit:mm

Code	Measuring range	Reading	Jaw Length	A	B	C	D	Accuracy
1110-3114	0-100mm/0-4"	0.05mm/1/128"	30mm	160	17	13	12	0.05mm
1110-3115	0-150mm/0-6"	0.05mm/1/128"	40mm	235	21	16.5	16	0.05mm
1110-3120	0-200mm/0-8"	0.05mm/1/128"	50mm	288	24	19.5	16	0.05mm
1110-3130	0-300mm/0-12"	0.05mm/1/128"	55mm	410	28	22	20	0.05mm

- Strictly made in accordance with DIN862.
- Hardened, ground and lapped measuring surfaces.
- Silky smooth movement through.
- Solid stainless steel construction.
- Distinct lines and figures against the satin chrome finish make reading easy.
- 4-way jaw for outside, inside, depth and step measurement.
- Optional graduations: 0.02mm, 0.05mm/ 0.001", 1/128".

Unit:mm

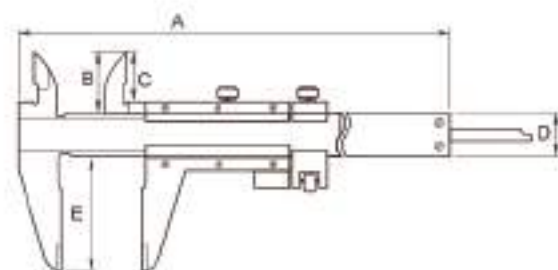
Code	Measuring range	Reading	Jaw Length	A	B	C	D	Accuracy
1120-3114	0-100mm/0-4"	0.05mm/1/128"	30mm	160	17	13	12	0.05mm
1120-3115	0-150mm/0-6"	0.05mm/1/128"	40mm	235	21	16.5	16	0.05mm
1120-3120	0-200mm/0-8"	0.05mm/1/128"	50mm	288	24	19.5	16	0.05mm
1120-3130	0-300mm/0-12"	0.05mm/1/128"	64mm	410	28	22	20	0.05mm
1380-3005	0-150mm/0-6"	0.02mm/0.001"	40mm	235	21	16.5	16	0.03mm
1380-3010	0-200mm/0-8"	0.02mm/0.001"	50mm	288	24	19.5	16	0.03mm
1380-3015	0-300mm/0-12"	0.02mm/0.001"	64mm	410	28	22	20	0.03mm



VERNIER CALIPER WITH FINE ADJUSTMENT



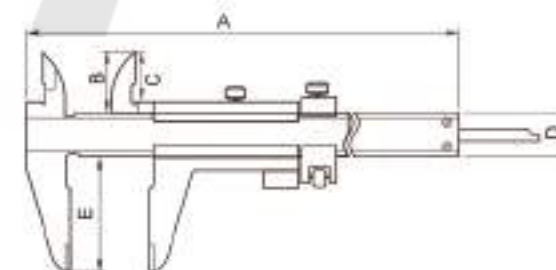
DIN 862



VERNIER CALIPER MONOBLOCK WITH FINE ADJUSTMENT



DIN 862



- With fine adjustment carriage to feed the slider
- Hardened ground jaws with precision lapped measuring faces.
- Satin chrome finish, hardened stainless steel throughout for longer life.
- Black lines and figures against the satin chrome finish provide easy and error-free reading.

Unit:mm

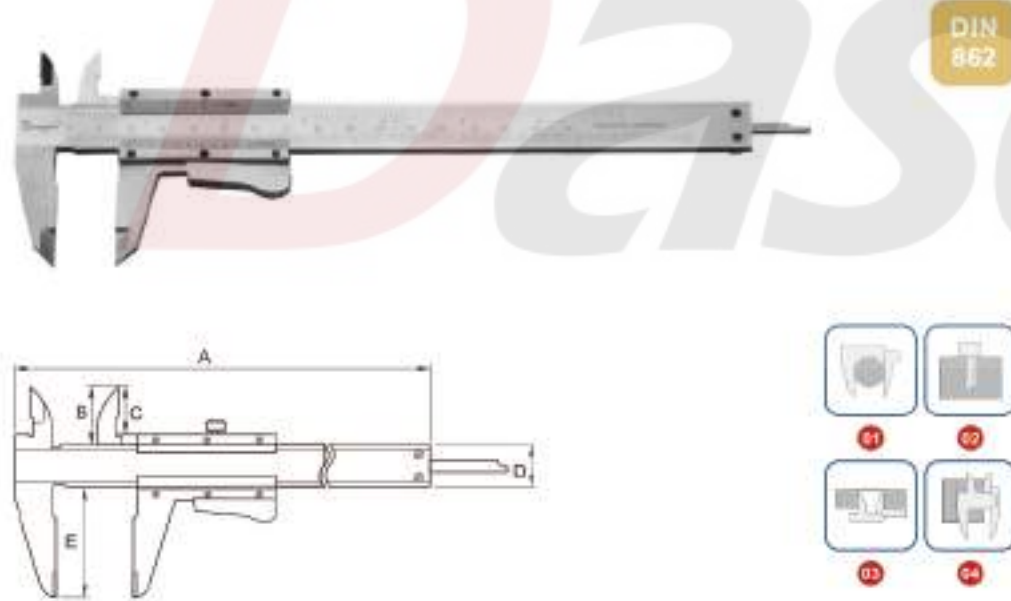
Code	Measuring range	Reading	Jaw Length	A	B	C	D	Accuracy
1210-3105	0-150mm/0-6"	0.05mm/1/128"	40mm	235	21	16.5	16	0.05mm
1210-3110	0-200mm/0-8"	0.05mm/1/128"	50mm	288	24	19.5	16	0.05mm
1210-3115	0-300mm/0-12"	0.05mm/1/128"	55mm	410	28	22	20	0.05mm

- With fine adjustment carriage to feed the slider
- Hardened ground jaws with precision lapped measuring faces.
- Satin chrome finish, hardened stainless steel throughout for longer life.
- Black lines and figures against the satin chrome finish provide easy and error-free reading.

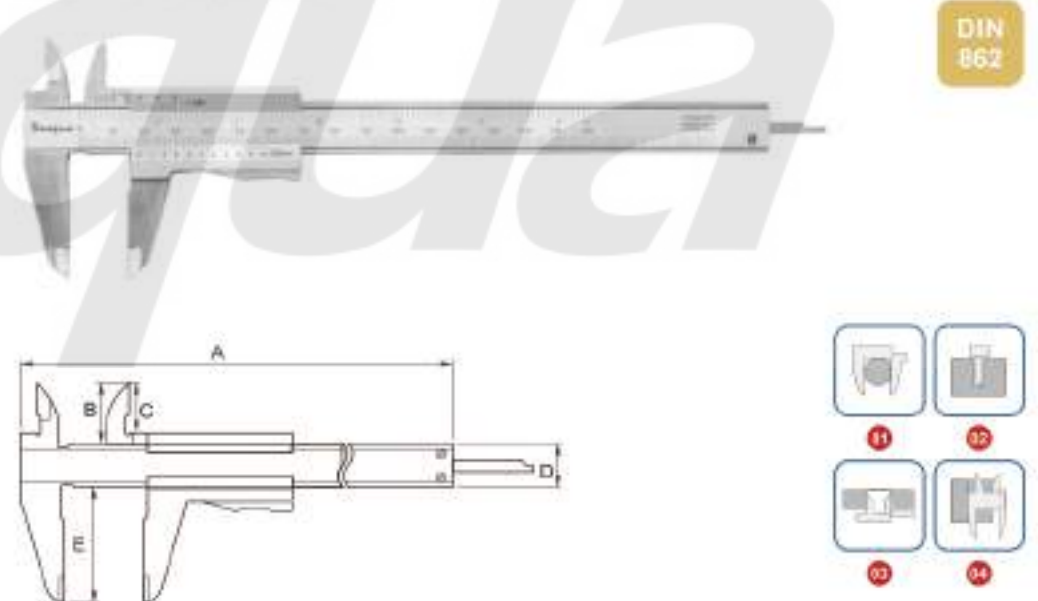
Unit:mm

Code	Measuring range	Reading	Jaw Length	A	B	C	D	Accuracy
1220-3105	0-150mm/0-6"	0.05mm/1/128"	40mm	160	17	13	12	0.05mm
1220-3110	0-200mm/0-8"	0.05mm/1/128"	50mm	235	21	16.5	16	0.05mm
1220-3115	0-300mm/0-12"	0.05mm/1/128"	54mm	288	24	19.5	16	0.05mm
1560-7005	0-150mm/0-6"	0.02mm/0.001"	40mm	160	17	13	12	0.03mm
1560-7010	0-200mm/0-8"	0.02mm/0.001"	50mm	235	21	16.5	16	0.03mm
1560-7015	0-300mm/0-12"	0.02mm/0.001"	54mm	288	24	19.5	16	0.03mm

VERNIER CALIPER WITH AUTOLOCKING



VERNIER CALIPER MONOBLOCK WITH AUTOLOCKING



- With autolocking
- Hardened ground jaws with precision lapped measuring faces.
- Satin chrome finish, hardened stainless steel throughout for longer life.
- Black lines and figures against the satin chrome finish provide easy and error-free reading.

- With autolocking
- Hardened ground jaws with precision lapped measuring faces.
- Satin chrome finish, hardened stainless steel throughout for longer life.
- Black lines and figures against the satin chrome finish provide easy and error-free reading.

Unit:mm

Code	Measuring range	Reading	Jaw Length	A	B	C	D	Accuracy
1801-0805	0-150mm/0-8"	0.05mm/1/128"	40mm	235	21	16.5	16	0.05mm

Unit:mm

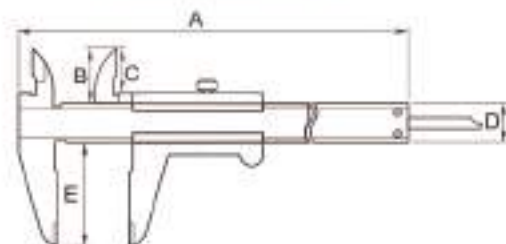
Code	Measuring range	Reading	Jaw Length	A	B	C	D	Accuracy
1801-0810	0-150mm/0-6"	0.05mm/1/128"	40mm	235	21	16.5	16	0.05mm



VENIER CALIPER MONO-BLOCK WITH TIN COATED BEAM FACE



DIN 862



- Titanium plated beam significantly increases the endurance.
- Strictly made in accordance with DIN862.
- Hardened, grounded and lapped measuring surfaces.
- Silky smoothy movement through.
- Black lines and figures against the satin chrome finish provide easy and error-free reading.

Code	Measuring range	Reading	Jaw Length	A	B	C	D	Accuracy
1801-0505	0-150mm/0-6"	0.05mm/1/128"	40mm	235	21	16.5	16	0.05mm

Unit:mm

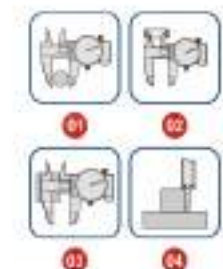
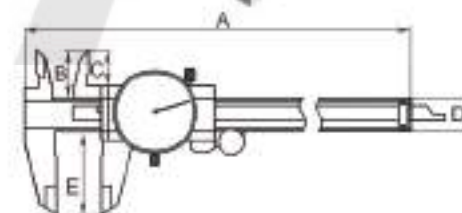
MECHANIST GRADE DIAL CALIPER



®

DIN 862

SHOCK PROOF



- Strictly made in accordance with DIN862.
- Four-way measuring for outside, inside, depth and step.
- Hardened, grounded and lapped measuring surfaces.
- Silky smoothy movement through.
- Solid stainless steel construction.
- Tough shock-proof gearing.

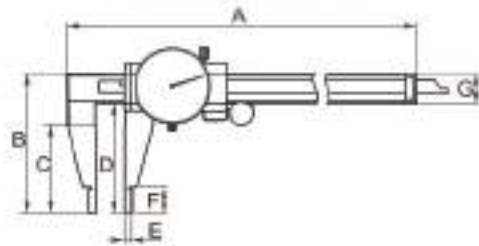
Code	Measuring range	Graduation	A	B	C	D	E	Accuracy
1331-2110	0-100mm	0.02mm	169	18	13	13.3	30	0.02mm
1331-2115	0-150mm	0.02mm	236	21	16.5	16	40	0.02mm
1331-2120	0-200mm	0.02mm	285	24	20	16	48	0.03mm
1331-2130	0-300mm	0.02mm	410	28	22	20	62	0.03mm
1350-5005	0-150mm	0.01mm	236	21	16.5	16	40	0.03mm
1350-5010	0-200mm	0.01mm	285	24	20	16	48	0.03mm
1350-5015	0-300mm	0.01mm	410	28	22	20	62	0.03mm
1332-4105	0-4"	0.001"	169	18	13	13.3	30	0.001"
1332-4110	0-6"	0.001"	236	21	16.5	16	40	0.001"
1332-4115	0-8"	0.001"	285	24	20	16	48	0.0015"
1332-4120	0-12"	0.001"	410	28	22	20	62	0.0015"

Unit:mm

HEAVY DUTY DIAL CALIPER



DIN 862 SHOCK-PROOF



- Strictly made in accordance with DIN862.
- Ideal for industrial use.
- Tough shock-proof gearing.
- Hardened, grounded and lapped measuring surfaces.
- Silky smoothy movement through.
- Solid stainless steel construction.
- Satin chrome finish.
- Extra rigid main beam.

Unit:mm

Code	Measuring range	Graduation	A	B	C	D	E	F	G	H	Accuracy
1431-2105	0-450mm	0.02mm	580	122	70	100	5	20	22	45	0.05mm
1431-2110	0-500mm	0.02mm	630	122	70	100	5	20	22	45	0.05mm
1431-2115	0-600mm	0.02mm	730	122	70	100	5	20	22	45	0.05mm
1431-2120	0-1000mm	0.02mm	1200	168	100	140	10	22	28	55	0.07mm
1432-4105	0-18°	0.001°	580	122	70	100	5	20	22	45	0.002°
1432-4110	0-20°	0.001°	630	122	70	100	5	20	22	45	0.002°
1432-4115	0-24°	0.001°	730	122	70	100	5	20	22	45	0.002°
1432-4120	0-40°	0.001°	1200	168	100	140	10	22	28	55	0.0025°

IP54 WATER PROOF DIGITAL CALIPER



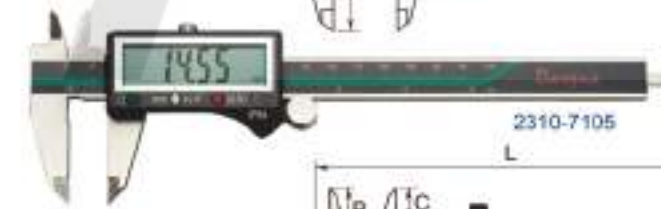
IP54 WATER PROOF

DIN 862

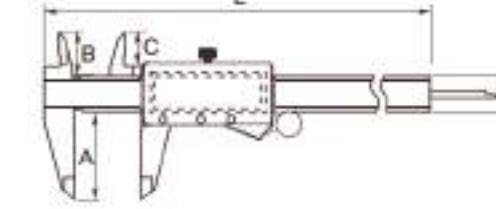
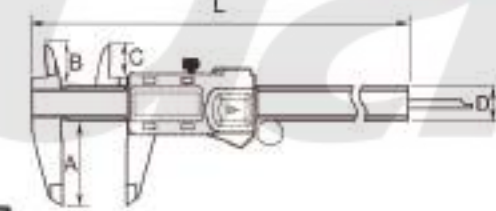
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IP54 WATER PROOF

2110-8105



2310-7105



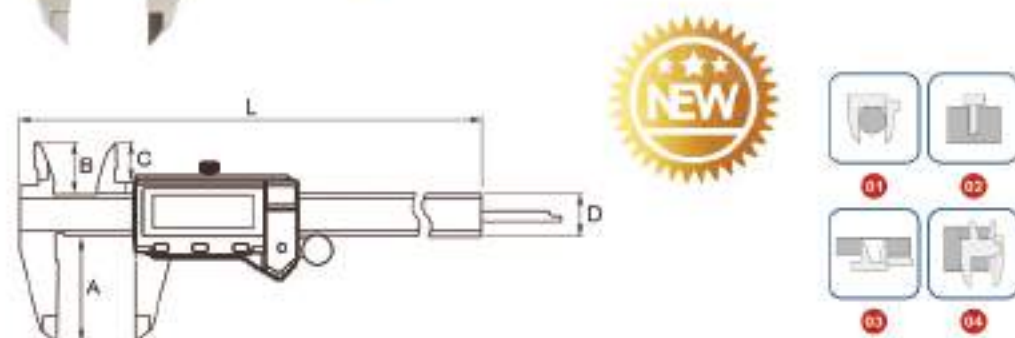
- Advanced design.
- Character height increased to 15mm for improved readability.
- Strictly made in accordance with DIN862.
- IP54 protection against water, oil, dust or any other liquid.
- Silky smooth movement throughout.
- Hardened, ground and lapped measuring surfaces.

Unit:mm

Code	Measuring range	Reading	A	B	C	D	L	Accuracy
2110-8105	0-150mm/0-6"	0.01mm/0.0005"	40	20	15.5	16	235	0.02mm/0.001"
2110-8110	0-200mm/0-8"	0.01mm/0.0005"	50	24	19.5	16	287	0.03mm/0.0015"
2110-8115	0-300mm/0-12"	0.01mm/0.0005"	60	26	21.5	16	390	0.03mm/0.0015"
2310-7105	0-150mm/0-6"	0.01mm/0.0005"	40	20	15.5	16	235	0.02mm/0.001"
2310-7110	0-200mm/0-8"	0.01mm/0.0005"	50	24	19.5	16	287	0.03mm/0.0015"
2310-7115	0-300mm/0-12"	0.01mm/0.0005"	60	26	21.5	16	390	0.03mm/0.0015"



NEW IP54 WATER PROOF DIGITAL CALIPER

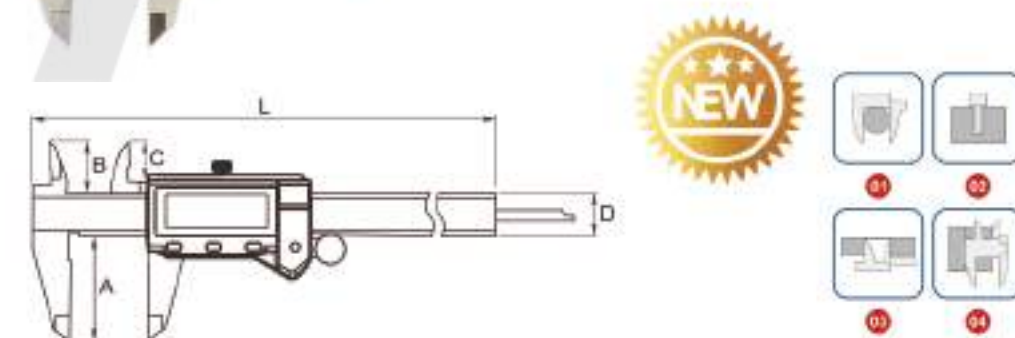


- NEW Advanced design.
- Strictly made in accordance with DIN862.
- IP54 protection against water, oil, dust or any other liquid.
- Silky smooth movement throughout.
- Hardened, ground and lapped measuring surfaces.

Unit:mm

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

NEW IP54 WATER PROOF DIGITAL CALIPER AT 0.005MM



- NEW Advanced design.
- High resolution of 0.005mm
- Strictly made in accordance with DIN862.
- IP54 protection against water, oil, dust or any other liquid.

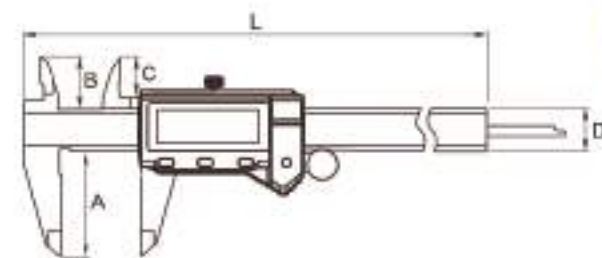
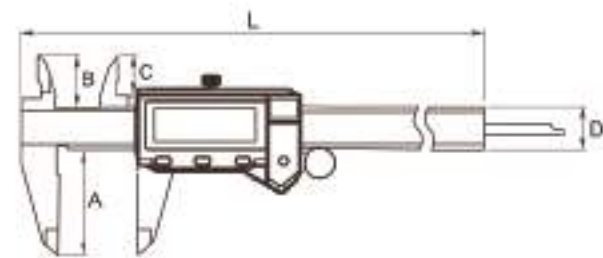
Unit:mm






Code	Measuring range	Reading	A	B	C	D	L	Accuracy
2005-1005	0-150mm/0-6"	0.01mm/0.0005"	40	20	15.5	16	235	0.02mm/0.001"
2005-1010	0-200mm/0-8"	0.01mm/0.0005"	50	24	19.5	16	287	0.03mm/0.0015"
2005-1015	0-300mm/0-12"	0.01mm/0.0005"	60	26	21.5	16	390	0.03mm/0.0015"

NEW IP67 WATER PROOF DIGITAL CALIPER



NEW BUILT-IN BLUETOOTH ABSOLUTE DIGITAL CALIPER IP54



-  NEW Advanced design.
-  IP67 protection against water, oil, dust or any other liquid.
-  Strictly made in accordance with DIN862.
-  Silky smooth movement throughout.
-  Hardened, ground and lapped measuring surfaces.

-  NEW Advanced design.
-  Bluetooth built-in.
-  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.

Unit:mm

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

Unit:mm

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



ABSOLUTE DIGITAL CALIPER

Absolute function-NEW and GREAT for precision inspection:

All Dasqua digital calipers with this logo "Absolute" are equipped with the innovative Absolute Reference-System. The zero position just has to be set once: after setting the zero position, the zero remains memorized for all further measurements. Therefore, once the caliper is switched ON or the slider is moved the caliper is immediately ready for measurement.

Conventional



Switch ON



Close the measuring jaws



set to zero



Results of measurement

Absolute



Switch ON



Results of measurement

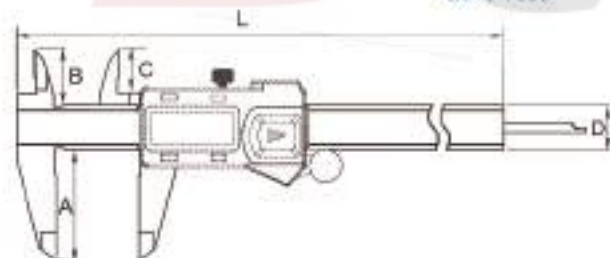


2210-8105

2010-1005



Absolute

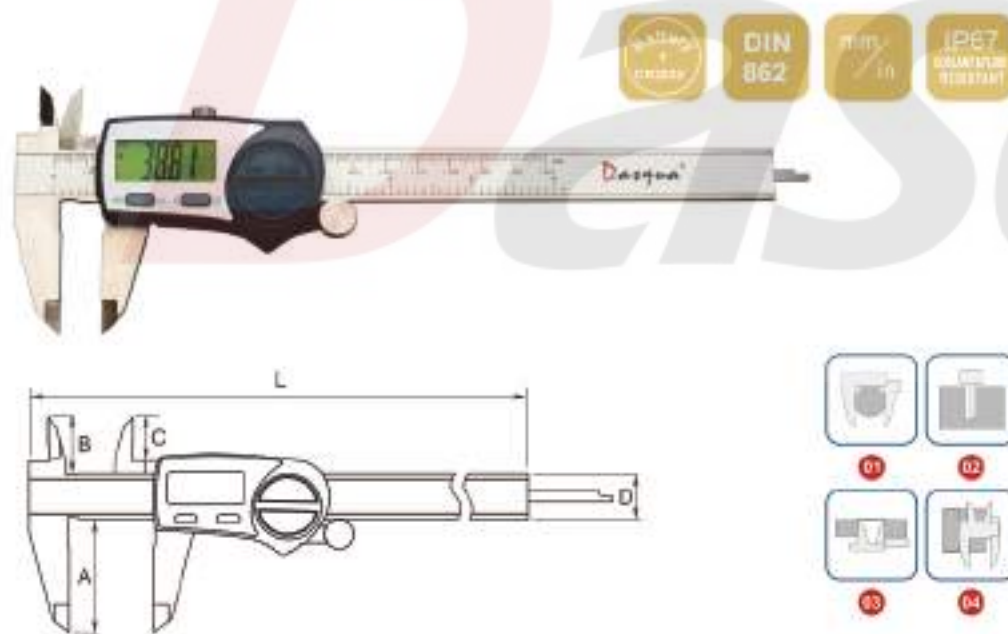


- Absolute function
- Strictly made in accordance with DIN862.
- IP54 protection against water, oil, dust or any other liquid.
- Hardened stainless steel body for long life.
- Silky smooth movement through.

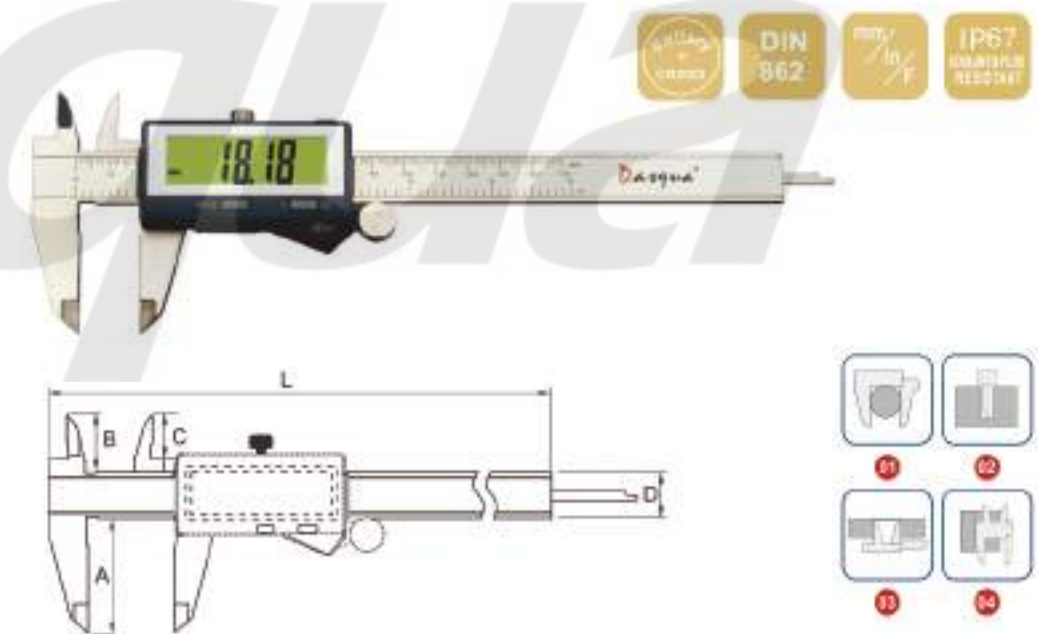
Unit:mm

Code	Measuring range	Reading	A	B	C	D	L	Accuracy
2210-8105	0-100mm/0-4"	0.01mm/0.0005"	40	20	15.5	16	150	0.02mm/0.001"
2210-8110	0-150mm/0-6"	0.01mm/0.0005"	40	20	15.5	16	235	0.02mm/0.001"
2210-8115	0-200mm/0-8"	0.01mm/0.0005"	50	24	19.5	16	287	0.03mm/0.0015"
2210-8120	0-300mm/0-12"	0.01mm/0.0005"	60	26	21.5	16	390	0.03mm/0.0015"
2010-1005	0-150mm/0-6"	0.01mm/0.0005"	40	20	15.5	16	235	0.02mm/0.001"
2010-1010	0-200mm/0-8"	0.01mm/0.0005"	50	24	19.5	16	287	0.03mm/0.0015"
2010-1015	0-300mm/0-12"	0.01mm/0.0005"	60	26	21.5	16	390	0.03mm/0.0015"

DIGITAL CALIPER IP67



SUPER BIG SCREEN DIGITAL CALIPER IP67



- Strictly made in accordance with DIN862.
- IP67 protection against water, oil, dust or any other liquid.
- Silky smooth movement throughout.
- Hardened, ground and lapped measuring surfaces.

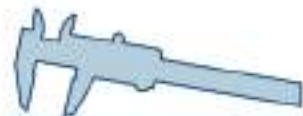
- Advanced design.
- Character height increased to 15mm for improved readability.
- Strictly made in accordance with DIN862.
- IP67 protection against water, oil, dust or any other liquid.
- Silky smooth movement throughout.
- Hardened, ground and lapped measuring surfaces.

Unit:mm

Code	Measuring range	Reading	A	B	C	D	L	Accuracy
2210-8103	0-100mm/0-4"	0.01mm/0.0005"	40	20	15.5	16	150	0.02mm/0.001"
2210-8106	0-150mm/0-6"	0.01mm/0.0005"	40	20	15.5	16	235	0.02mm/0.001"
2210-8109	0-200mm/0-8"	0.01mm/0.0005"	50	24	19.5	16	287	0.03mm/0.0015"
2210-8112	0-300mm/0-12"	0.01mm/0.0005"	60	26	21.5	16	390	0.03mm/0.0015"

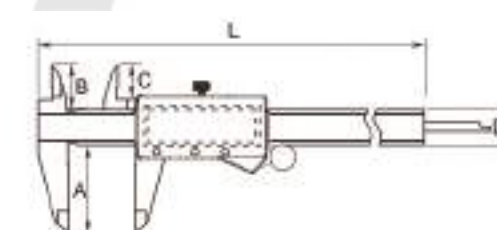
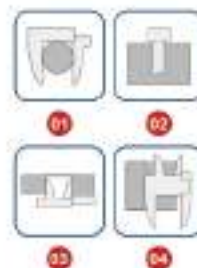
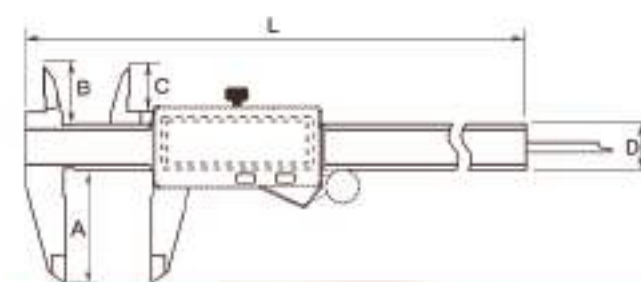
Unit:mm

Code	Measuring range	Reading	A	B	C	D	L	Accuracy
2610-8105	0-150mm/0-6"	0.01mm/0.0005"	40	20	15.5	16	235	0.02mm/0.001"
2610-8110	0-200mm/0-8"	0.01mm/0.0005"	50	24	19.5	16	287	0.03mm/0.0015"
2610-8115	0-300mm/0-12"	0.01mm/0.0005"	60	26	21.5	16	390	0.03mm/0.0015"



BUILT-IN BLUETOOTH DIGITAL CALIPER IP67

SUPER BIG SCREEN DIGITAL CALIPER



- Bluetooth built-in
- Advanced design
- Character height increased to 15mm for improved readability.
- Strictly made in accordance with DIN862.
- IP67 protection against water, oil, dust or any other liquid.
- Silky smooth movement throughout
- Hardened, ground and lapped measuring surfaces.

- Super big Digital ensure error-free reading.
- Stainless steel frame.
- Silky smooth movement throughout.
- Hardened, ground and lapped measuring surfaces.
- Four-way measuring for outside, inside, depth and step.

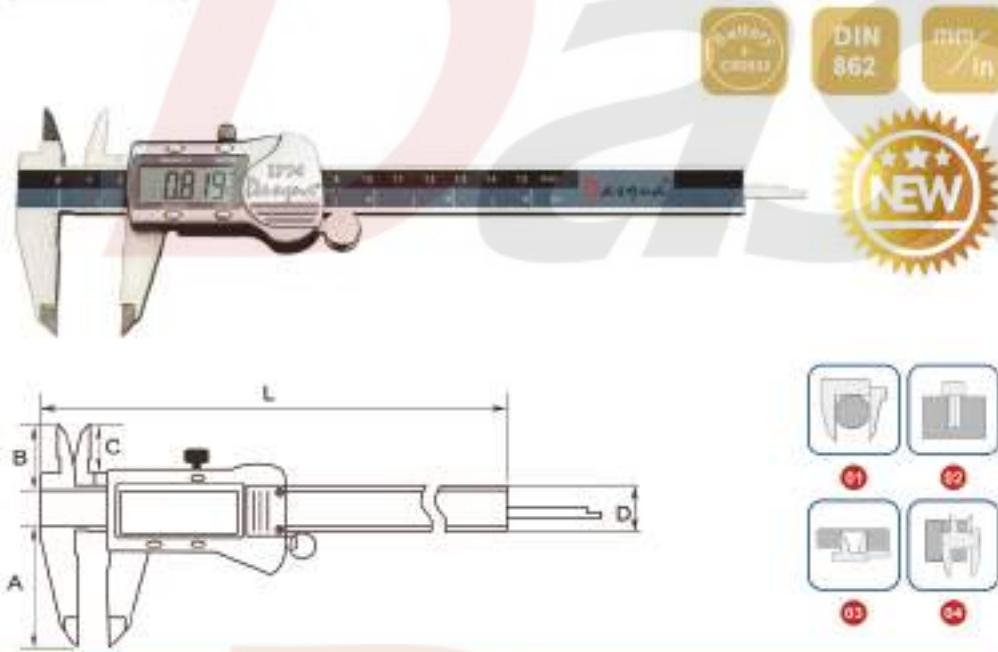
Unit:mm

Code	Measuring range	Reading	A	B	C	D	L	Accuracy
2410-8105	0-150mm/0-6"	0.01mm/0.0005"	40	20	15.5	16	235	0.02mm/0.001"
2410-8110	0-200mm/0-8"	0.01mm/0.0005"	50	24	19.5	16	287	0.03mm/0.0015"
2410-8120	0-300mm/0-12"	0.01mm/0.0005"	60	26	21.5	16	390	0.03mm/0.0015"

Unit:mm

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

METAL HOUSING BIG SCREEN DIGITAL CALIPER



- Sturdy metal housing protection.
- Stainless steel frame.
- Silky smooth movement throughout.
- Hardened, grounded and lapped measuring surfaces.
- Four-way measuring for outside, inside, depth and step.

Unit:mm

Code	Measuring range	Reading	A	B	C	D	L	Accuracy
2117-9105	0-150mm/0-6"	0.01mm/0.0005"	40	20	15.5	16	235	0.02mm/0.001"
2117-9110	0-200mm/0-8"	0.01mm/0.0005"	50	24	19.5	16	287	0.03mm/0.0015"
2117-9115	0-300mm/0-12"	0.01mm/0.0005"	60	26	21.5	16	390	0.03mm/0.0015"

MONOBLOCK DEPTH VERNIER GAUGE



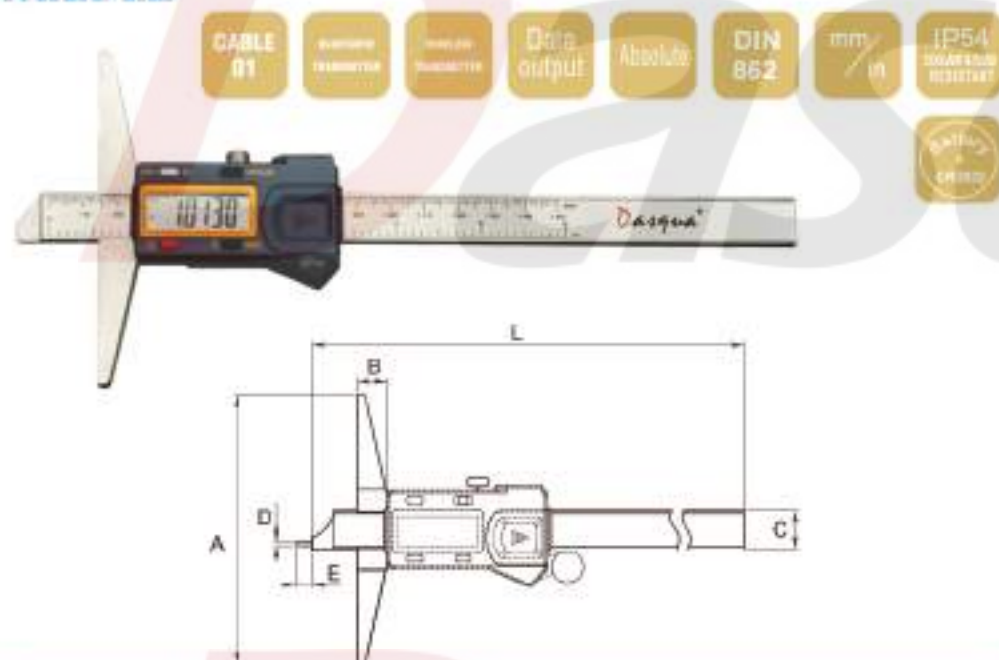
- Strictly made in accordance with DIN862.
- For measuring depth and step measurements.
- Hardened stainless steel body for long life
- Solid stainless steel construction

Unit:mm

Code	Measuring range	Reading	Code	Measuring range	Reading
3001-1901	0-150mm	0.02mm	3001-2901	0-6"	0.0001"
3001-1903	0-200mm	0.02mm	3001-2903	0-8"	0.0001"
3001-1905	0-300mm	0.02mm	3001-2905	0-12"	0.0001"



ABSOLUTE DIGITAL DEPTH CALIPER WITH NEEDLE



- Strictly made in accordance with DIN862.
- Absolute function.
- For measuring depth and step measurements.
- IP54 protection against water, oil, dust or any other liquid.
- Hardened stainless steel body for long life. •Silky smooth movement throughout.

Unit:mm

Code	Measuring range	Reading	A	B	C	D	E	L	Accuracy
2250-2105	0-150mm/0-6"	0.01mm/0.0005"	100	11	14.5	φ1.5	6	232.5	0.03mm/0.0015"
2250-2110	0-200mm/0-8"	0.01mm/0.0005"	100	11	14.5	φ1.5	6	285	0.03mm/0.0015"
2250-2115	0-300mm/0-12"	0.01mm/0.0005"	150	13.5	14.5	φ1.5	6	390	0.04mm/0.0015"

ABSOLUTE DIGITAL DEPTH CALIPER

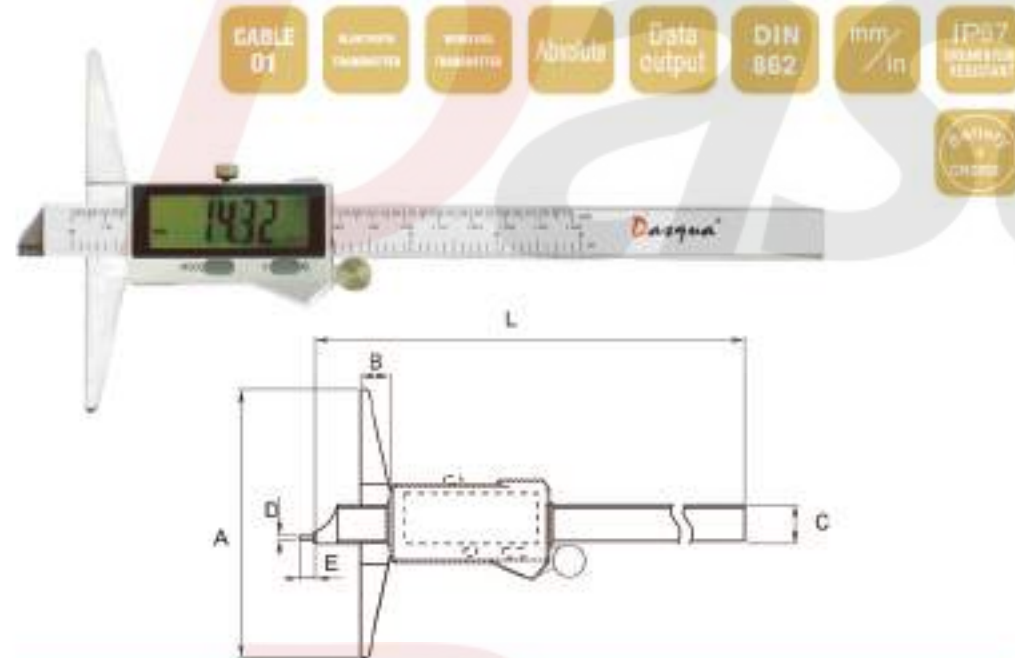


- Strictly made in accordance with DIN862.
- Absolute function.
- For measuring depth and step measurements.
- IP54 protection against water, oil, dust or any other liquid.
- Hardened stainless steel body for long life. •Silky smooth movement throughout.

Unit:mm

Code	Measuring range	Reading	A	B	C	D	E	L	Accuracy
2230-8105	0-150mm/0-6"	0.01mm/0.0005"	100	11	14.5	φ1.5	6	232.5	0.03mm/0.0015"
2230-8115	0-200mm/0-8"	0.01mm/0.0005"	100	11	14.5	φ1.5	6	285	0.03mm/0.0015"
2230-8125	0-300mm/0-12"	0.01mm/0.0005"	150	13.5	14.5	φ1.5	6	390	0.04mm/0.0015"

IP67 DIGITAL DEPTH CALIPER

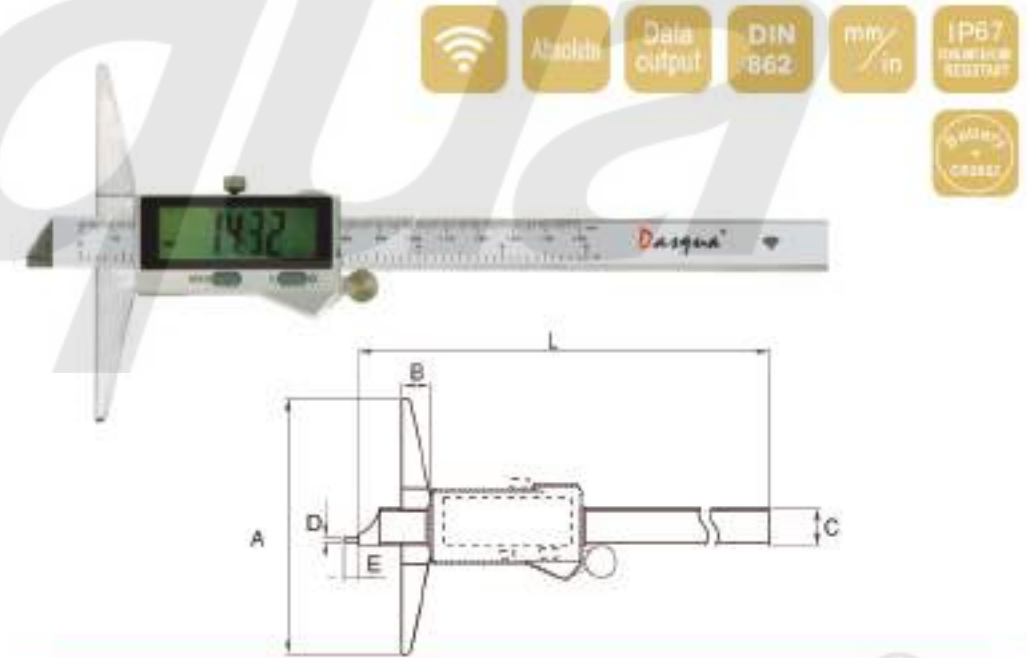


- Advanced design.
- Character height increased to 15mm for improved readability.
- IP67 protection against water, oil, dust or any other liquid.
- Strictly made in accordance with DIN862.
- Silky smooth movement throughout.
- For measuring depth and step measurements.

Unit:mm

Code	Measuring range	Reading	A	B	C	D	E	L	Accuracy
2330-1105	0-150mm/0-6"	0.01mm/0.0005"	100	11	14.5	φ1.5	6	232.5	0.03mm/0.0015"
2330-1110	0-200mm/0-8"	0.01mm/0.0005"	100	11	14.5	φ1.5	6	285	0.03mm/0.0015"
2330-1115	0-300mm/0-12"	0.01mm/0.0005"	150	13.5	14.5	φ1.5	6	390	0.04mm/0.0015"

IP67 BUILT-IN BLUETOOTH DIGITAL DEPTH CALIPER



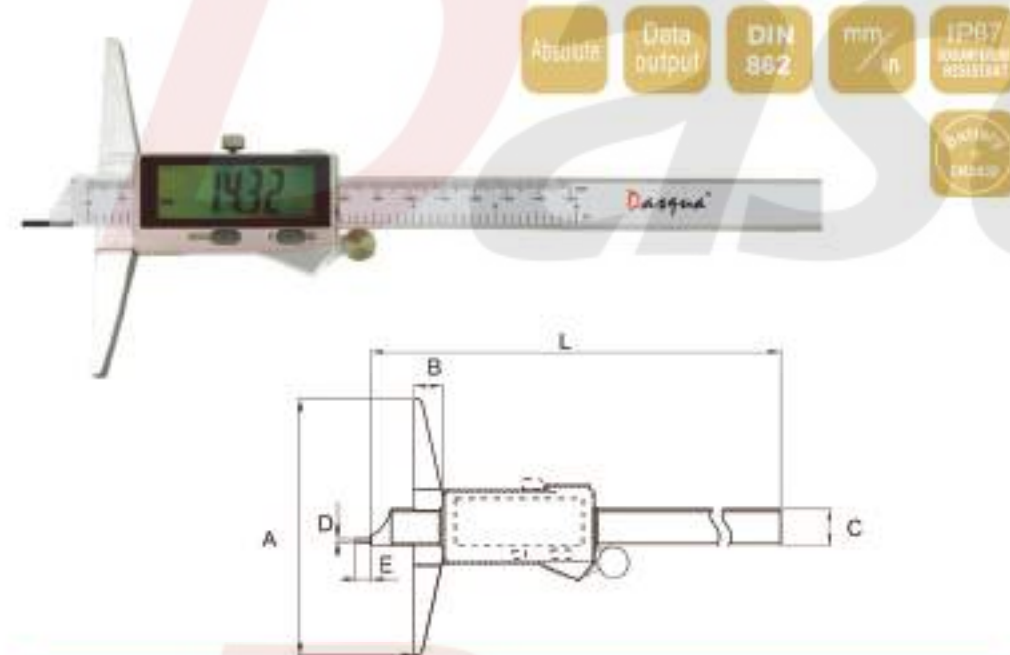
- The new generation measuring series with built-in Bluetooth transmission.
- Character height increased to 15mm for improved readability.
- IP67 protection against water, oil, dust or any other liquid.
- Strictly made in accordance with DIN862.
- Silky smooth movement throughout.
- For measuring depth and step measurements.

Unit:mm

Code	Measuring range	Reading	A	B	C	D	E	L	Accuracy
2330-3105	0-150mm/0-6"	0.01mm/0.0005"	100	11	14.5	φ1.5	6	232.5	0.03mm/0.0015"
2330-3110	0-200mm/0-8"	0.01mm/0.0005"	100	11	14.5	φ1.5	6	285	0.03mm/0.0015"
2330-3115	0-300mm/0-12"	0.01mm/0.0005"	150	13.5	14.5	φ1.5	6	390	0.04mm/0.0015"

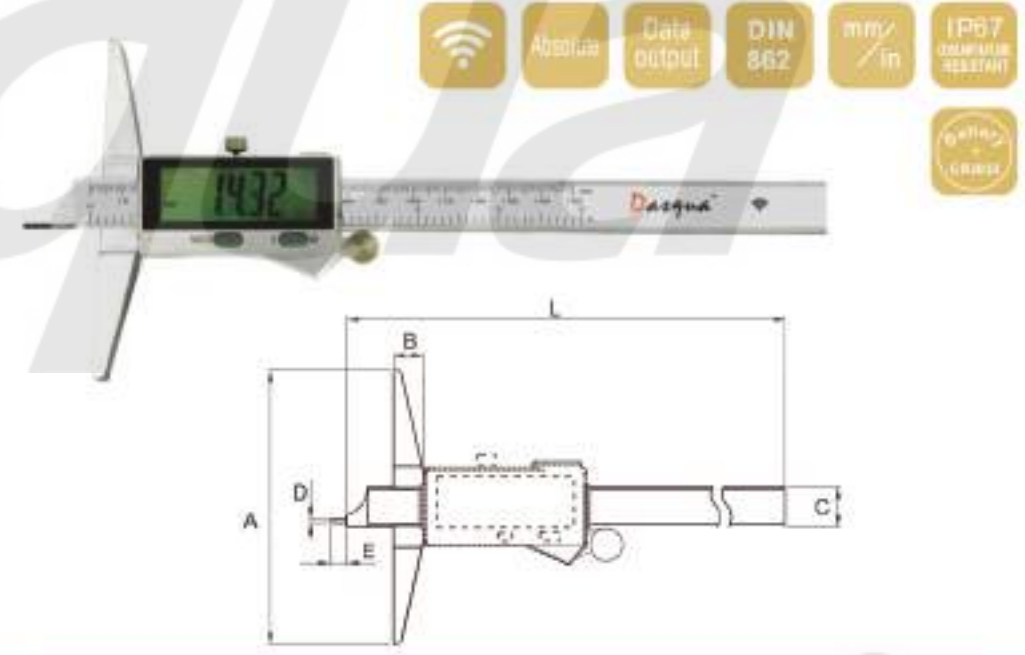


DIGITAL DEPTH CALIPER IP67 WITH NEEDLE



- Absolute
- Data output
- DIN 862
- mm/in
- IP67 WATER/OIL/DUST RESISTANT
- CE
- RoHS

BUILT-IN BLUETOOTH DIGITAL DEPTH CALIPER IP67 WITH NEEDLE



- Bluetooth
- Absolute
- Data output
- DIN 862
- mm/in
- IP67 WATER/OIL/DUST RESISTANT
- CE
- RoHS

- Advanced design.
- Character height increased to 15mm for improved readability.
- IP67 protection against water, oil, dust or any other liquid.
- Strictly made in accordance with DIN862.
- Silky smooth movement throughout.
- For measuring depth and step measurements.

Unit:mm

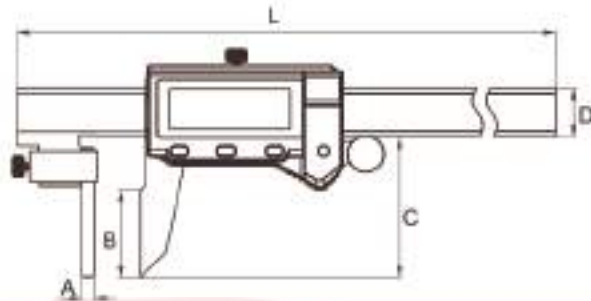
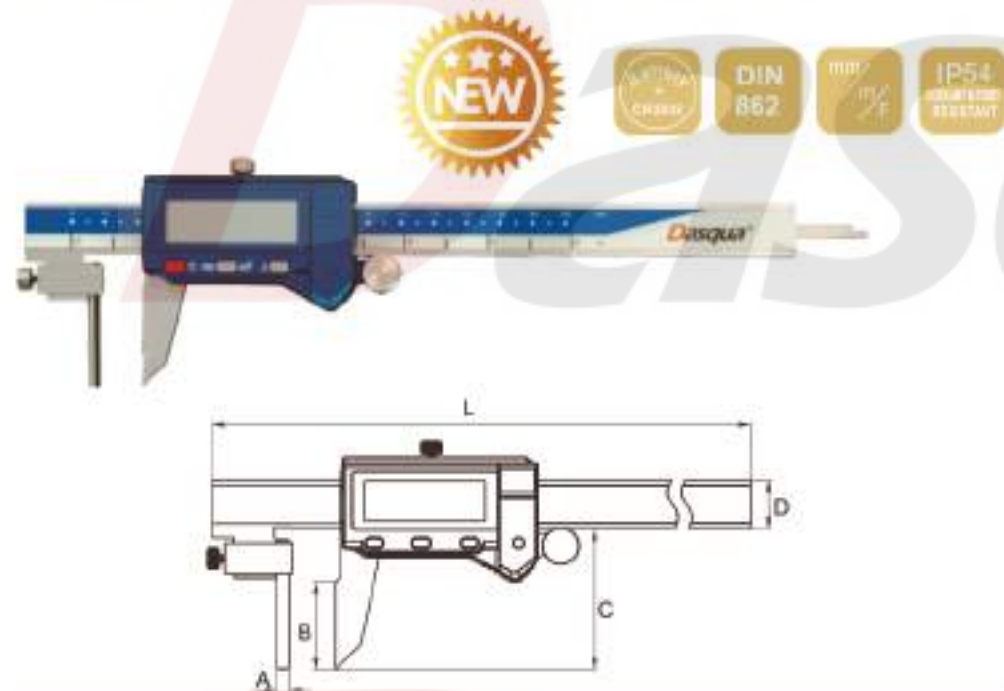
Code	Measuring range	Reading	A	B	C	D	E	L	Accuracy
2460-1105	0-150mm/0-6"	0.01mm/0.0005"	100	11	14.5	φ1.5	6	232.5	0.03mm/0.0015"
2460-1110	0-200mm/0-8"	0.01mm/0.0005"	100	11	14.5	φ1.5	6	285	0.03mm/0.0015"
2460-1115	0-300mm/0-12"	0.01mm/0.0005"	150	13.5	14.5	φ1.5	6	390	0.04mm/0.0015"

- The new generation measuring series with Built-in Bluetooth transmission.
- Character height increased to 15mm for improved readability.
- IP67 protection against water, oil, dust or any other liquid.
- Strictly made in accordance with DIN862.
- Silky smooth movement throughout.
- For measuring depth and step measurements.

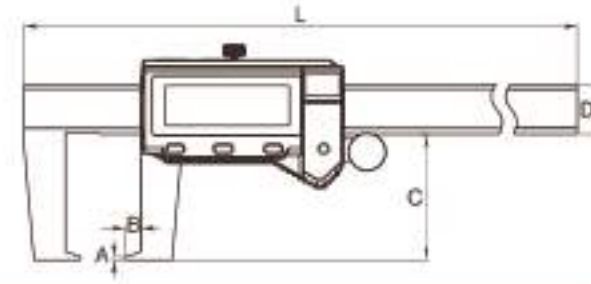
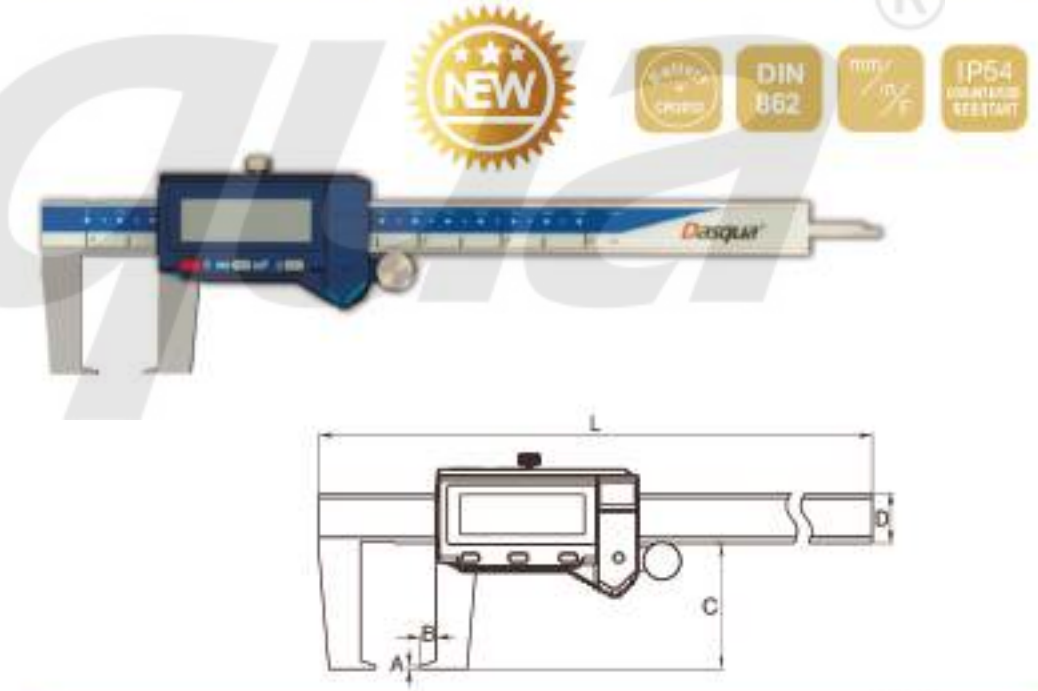
Unit:mm

Code	Measuring range	Reading	A	B	C	D	E	L	Accuracy
2460-3105	0-150mm/0-6"	0.01mm/0.0005"	100	11	14.5	φ1.5	6	232.5	0.03mm/0.0015"
2460-3110	0-200mm/0-8"	0.01mm/0.0005"	100	11	14.5	φ1.5	6	285	0.03mm/0.0015"
2460-3115	0-300mm/0-12"	0.01mm/0.0005"	150	13.5	14.5	φ1.5	6	390	0.04mm/0.0015"

DIGITAL TUBE THICKNESS CALIPER



DIGITAL OUTSIDE NECK MEASURING CALIPER



- Measure the thickness of tubes
- 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.

Unit:mm

Code	Measuring range	Reading	A	B	C	D	L	Accuracy
2060-1105	0-150mm/0-6"	0.01mm/0.0005"/1/128"	4	28.5	46	16	250	0.03mm/0.0015"
2060-1110	0-200mm/0-8"	0.01mm/0.0005"/1/128"	4	32.5	50	16	300	0.03mm/0.0015"
2060-1115	0-300mm/0-12"	0.01mm/0.0005"/1/128"	4	48.5	66	16	400	0.04mm/0.0015"

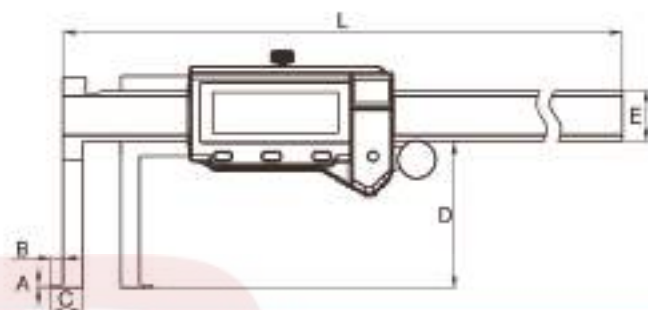
- Measure outside diameter of grooves and slot
- NEW Advanced design.
- Strictly made in accordance with DIN862.
- IP54 protection against water, oil, dust or any other liquid.
- Silky smooth movement throughout.
- Hardened, ground and lapped measuring surfaces.

Unit:mm

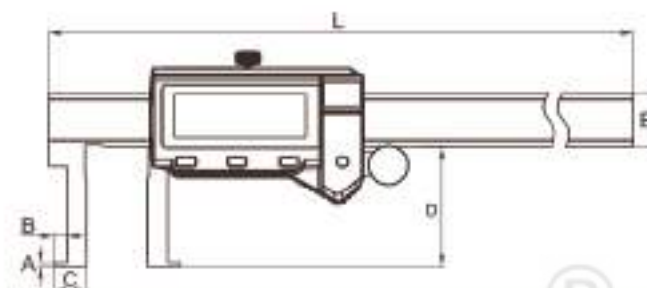
Code	Measuring range	Reading	A	B	C	D	L	Accuracy
2065-1105	0-150mm/0-6"	0.01mm/0.0005"/1/128"	1	5	40	16	250	0.03mm/0.0015"
2065-1110	0-200mm/0-8"	0.01mm/0.0005"/1/128"	1	7	50	16	300	0.03mm/0.0015"
2065-1115	0-300mm/0-12"	0.01mm/0.0005"/1/128"	1	8	60	16	400	0.04mm/0.0015"



DIGITAL INSIDE GROOVE MEASURING CALIPER



DIGITAL INSIDE GROOVE MEASURING CALIPER



- 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.

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



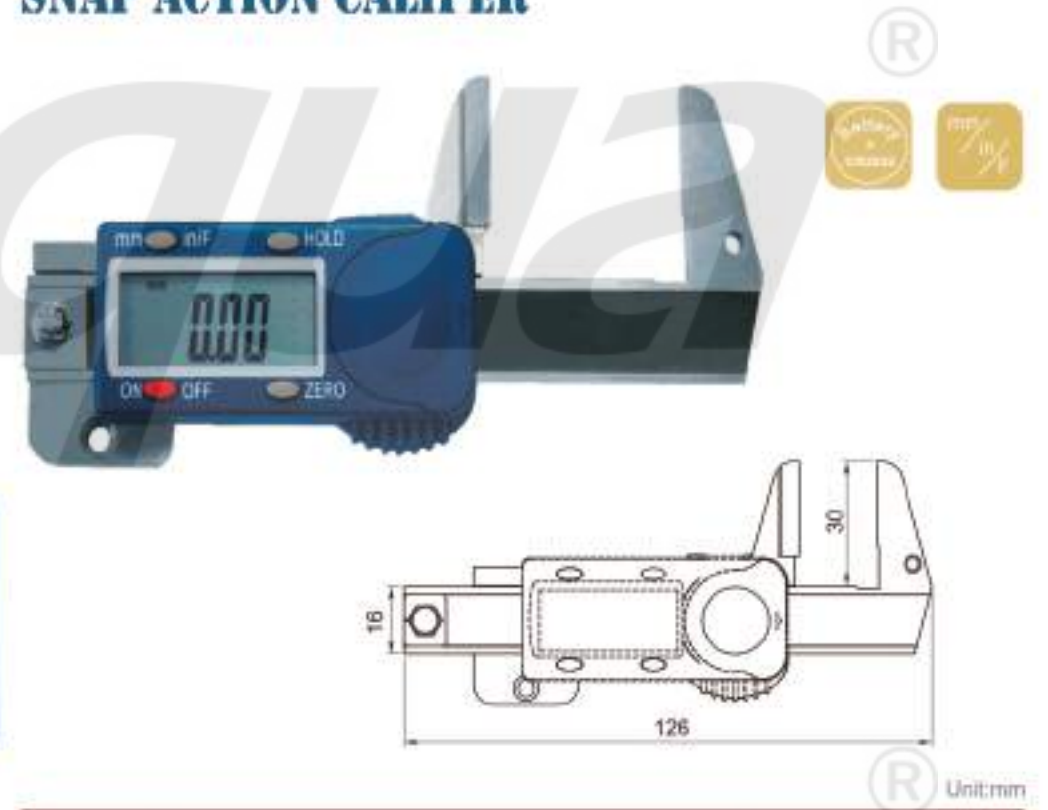
- Measure diameter of grooves inside bores
- NEW Advanced design.
- Strictly made in accordance with DIN862.
- IP54 protection against water, oil, dust or any other liquid.
- Silky smooth movement throughout.
- Hardened, ground and lapped measuring surfaces.

Code	Measuring range	Reading	A	B	C	D	E	L	Accuracy
2080-1105	20-150mm/0.79-6"	0.01mm/0.0005"/1/128"	1	4	36	16	16	235	0.03mm/0.0015"
2080-1110	25-200mm/0.98-8"	0.01mm/0.0005"/1/128"	1	5	46	16	16	287	0.03mm/0.0015"
2080-1115	30-300mm/1.18-12"	0.01mm/0.0005"/1/128"	1.5	5	56	16	16	390	0.04mm/0.0015"

IP54 ABSOLUTE DIGITAL MEASURING SET



SNAP ACTION CALIPER

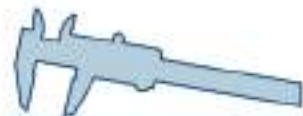


- Strictly made in accordance with DIN862/863.
- Caliper and micrometer water resistance reach to IP54 standard.
- 0-6"/150mm*0.01mm/0.0005" IP54 Digital Caliper with Absolute function.
- 0-1"/25mm*0.001mm/0.00005" IP54 Digital micrometer.
- Complete with fitted case.

- Wide jaw for easy position.
- Large Digital display.
- Spring-loaded travel.
- Hardened stainless steel construction.
- Direct Inch/metric/fraction conversion.
- Hanging loop included for attachment to belt or chain.
- Idea for measuring a wide range of material from metal, plastic, and glass to small wires, fibers and paper.

Code	Content
2210-8201	1PC x 0-6"/0-150mm*0.01mm/0.0005" IP54 Digital Caliper with Absolute Function 1PC x 0-1"/0-25mm*0.001mm/0.00005" IP54 Digital Micrometer

Code	Measuring range	Reading	Accuracy
2140-8101	0-1.25"/31.5mm	0.0005"/0.01mm(fractions in 1/64 increments)	0.03mm/0.0015"



DIGITAL THICKNESS GAUGE



DIGITAL THICKNESS GAUGE



- Buttons: ON/OFF, ZERO, MM/INCH, ABS, HOLD
- Thickness measurement for different materials
- Automatic power off
- Alloy measuring surface closed tightly
- Data output



- Large Digital display.
- Robust housing.
- Class A for electrostatic discharge.
- Hold function.










Code	Measuring range	Reading	Accuracy
2140-8110	0-25mm/0-1"	0.0005*/0.01mm	0.05mm/0.002*

Code	Measuring range	Reading	Accuracy
2140-8105	0-25mm/0-1"	0.0005*/0.01mm(fractions in 1/64" increments)	0.05mm/0.002*

DIGITAL INSIDE / OUTSIDE CALIPER WITH HANDLE



-  with large LCD display
-  Perfect for woodworking, carpentry, metal fabrication
-  High hardness, high wear resistance
-  Buttons: On/Off, Zero, mm/inch/fractional, hold
-  Auto power off
-  Thickness measurement for different materials
-  Alloy probe

Unit:mm

Code	Measuring range	Reading	Accuracy	Type
1804-1010	12.7-165mm/0.5-6.5"	0.1mm/0.005"	0.2mm/0.01"	Inside Caliper
1804-1015	12.7-216mm/0.5-8.5"	0.1mm/0.005"	0.3mm/0.02"	Inside Caliper
1804-1020	0-150mm/0-6"	0.1mm/0.005"	0.2mm/0.01"	Outside Caliper
1804-1025	0-200mm/0-8"	0.1mm/0.005"	0.3mm/0.02"	Outside Caliper

BRAKE ROTOR GAUGE WHEEL ON CALIPER



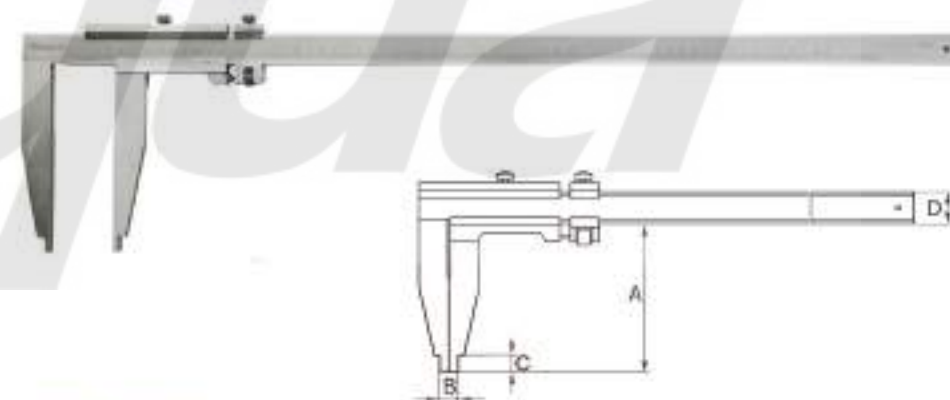
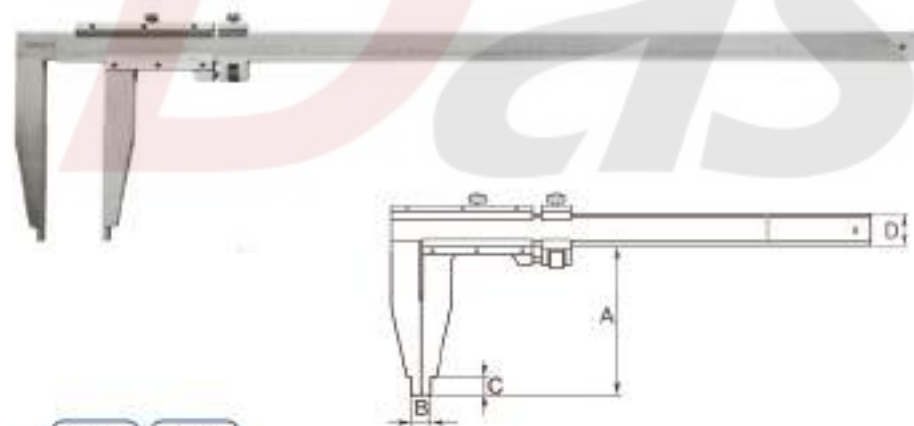
-  Measure the rotor without removing the wheel
-  Provides easy access between dust shield and rotor.
-  Inch / Metric / Fractions reading
-  Hardened stainless steel body
-  Hold function for easy recording of measurement

Code	Measuring range	Reading
1804-1030	0-80mm/0-3.2"	0.01mm/0.0005



LONG JAW VERNIER CALIPER

MONOBLOCK LONG JAW VERNIER CALIPER



- Hardened ground jaws with precision lapped measuring faces.
- Satin chrome finish, hardened stainless steel throughout for longer life.
- Black lines and figures against the satin chrome finish provide easy and error-free reading.



- Hardened ground jaws with precision lapped measuring faces.
- Satin chrome finish, hardened stainless steel throughout for longer life.
- Black lines and figures against the satin chrome finish provide easy and error-free reading.

Unit:mm

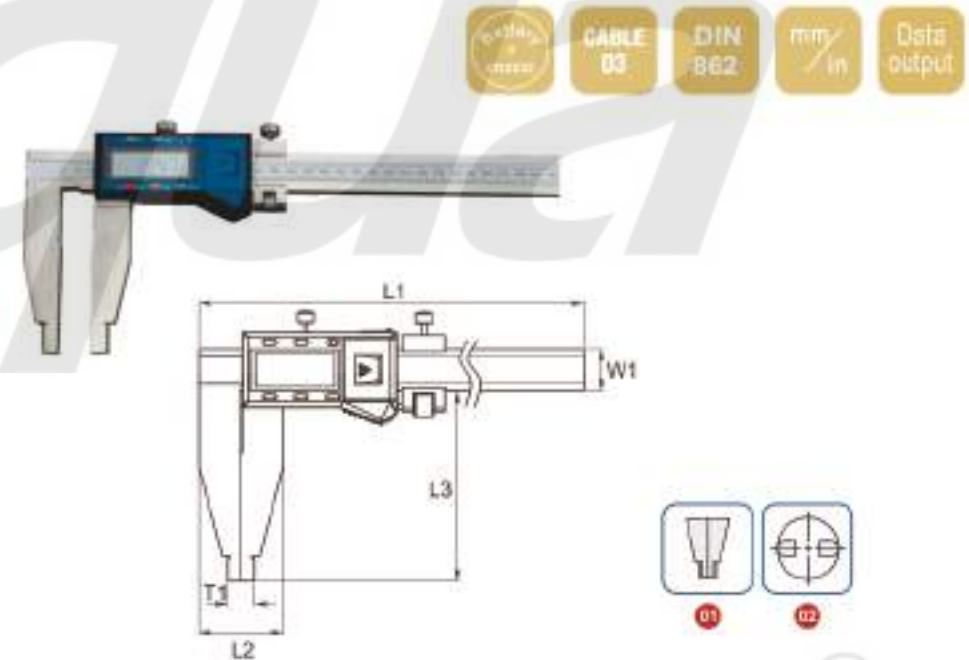
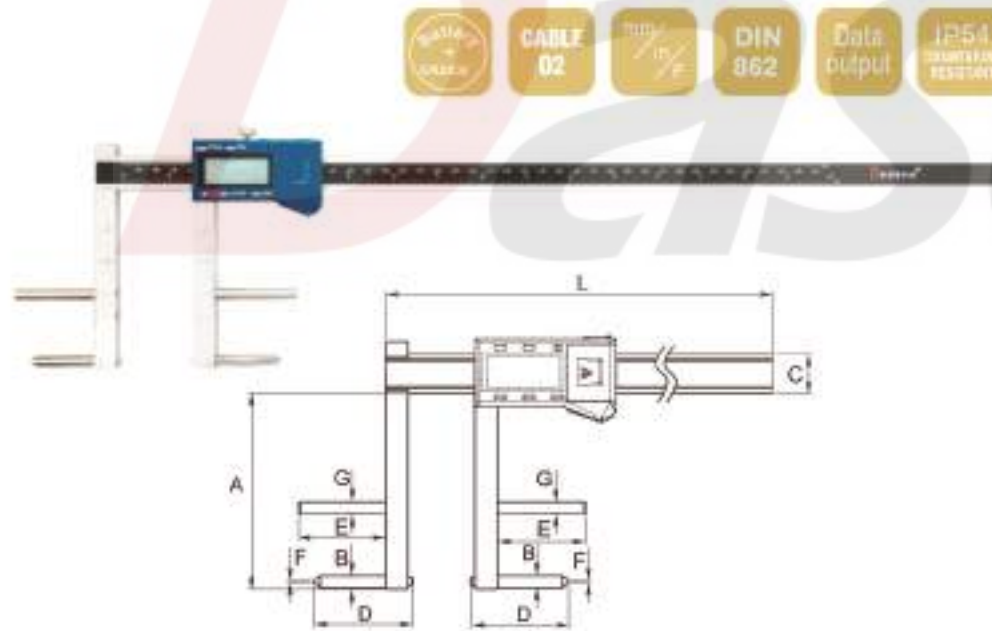
Code	Measuring range	Reading	A	B	C	D	Accuracy
1300-0005	0-500mm/0-20"	0.02mm/0.001"	100	10	12	25	±0.07mm
1300-0010	0-600mm/0-24"	0.02mm/0.001"	100	10	12	25	±0.08mm
1300-0015	0-1000mm/0-40"	0.02mm/0.001"	125	20	18	32	±0.09mm

Unit:mm

Code	Measuring range	Reading	A	B	C	D	Accuracy
1310-0005	0-500mm/0-20"	0.02mm/0.001"	100	10	12	25	±0.07mm
1310-0010	0-600mm/0-24"	0.02mm/0.001"	100	10	12	25	±0.08mm
1310-0015	0-1000mm/0-40"	0.02mm/0.001"	125	20	18	32	±0.09mm

EASY OUT/IN SIDE DIGITAL CALIPER

INDUSTRY HEAVY DUTY DIGITAL CALIPER



- Preset measuring depth at 1" or 1.5".
- Metric/Inch/Fraction conversion.
- Beam has vernier scale to double check reading.
- IP54 protection against water, oil, dust or any other liquid.
- Hold function.

- Strictly made in accordance with DIN862.
- With fine adjustment.
- With hold function.
- Hardened stainless steel construction for long life.
- Metric/Inch/Fraction conversion.

Unit:mm

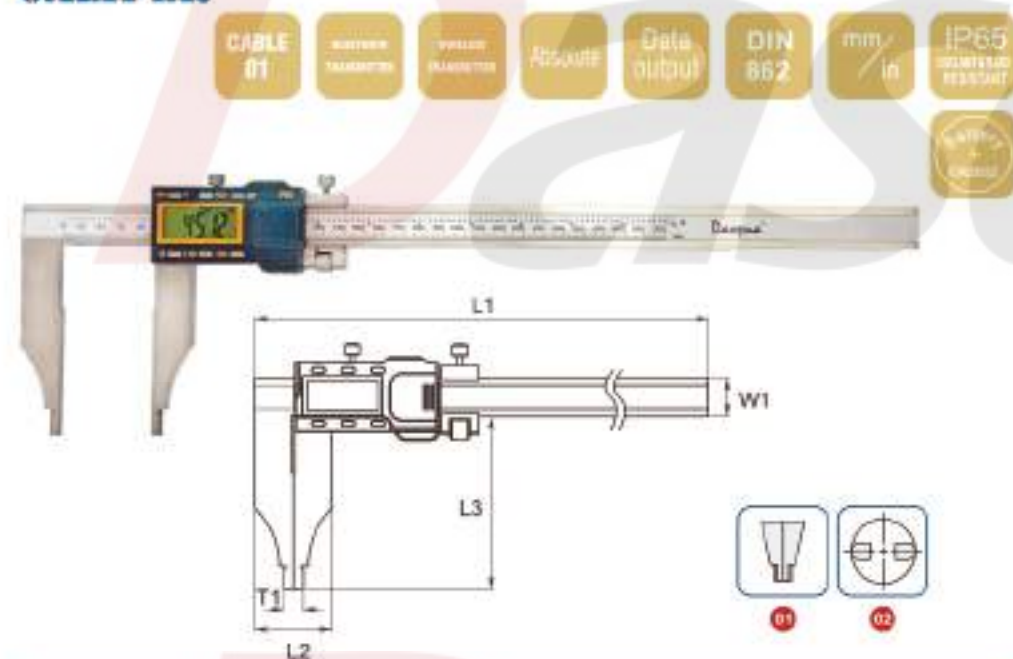
Code	Measuring range	Reading	A	B	C	D	E	F	G	L	Accuracy
2220-8103	100-500mm/4-20"	0.01mm/0.0005"	101.4	φ8.5	20	50.8	45	φ1.5	φ6.5	520	0.06mm/0.0025"

Unit:mm

Code	Measuring range	Reading	L1	L2	L3	W1	T1	Accuracy
2220-8105	0-300mm/0-12"	0.01mm/0.0005"	445	40	90	20	10	0.04mm/0.002"
2220-8110	0-500mm/0-20"	0.01mm/0.0005"	670	52	150	24	20	0.05mm/0.002"
2220-8115	0-1000mm/0-40"	0.01mm/0.0005"	1210	46	150	30	20	0.06mm/0.002"
2220-8113	0-300mm/0-12"	0.01mm/0.0005"	445	40	90	20	12.7	0.04mm/0.002"
2220-8116	0-600mm/0-24"	0.01mm/0.0005"	770	44	100	24	20.32	0.05mm/0.002"
2220-8119	0-1000mm/0-40"	0.01mm/0.0005"	1210	46	125	30	20.32	0.06mm/0.002"



IP65 INDUSTRY HEAVY DUTY DIGITAL CALIPER

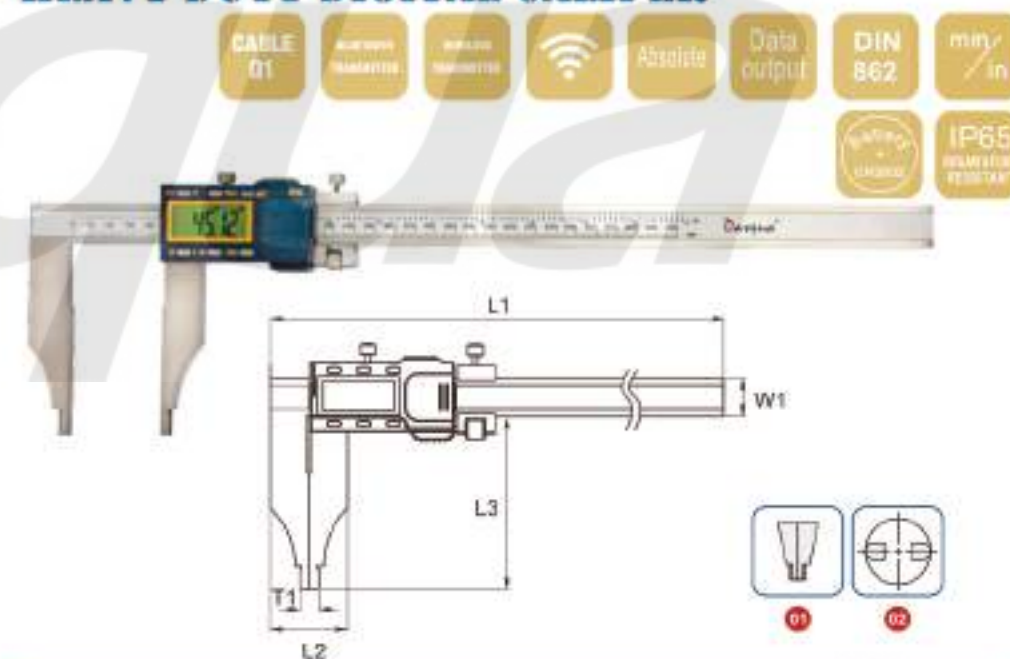


- Strictly made in accordance with DIN862.
- Sturdy metal housing protection.
- Large easy-to-read display.
- Stainless steel frame.
- Silky smooth movement throughout.
- Hardened, grounded and lapped measuring surfaces.
- Built tough for real shop conditions.

Unit:mm

Code	Measuring range	Reading	L1	L2	L3	W1	T1	Accuracy
2320-1105	0-300mm/0-12"	0.01mm/0.0005"	445	40	90	20	12.7 or 10	0.03mm/0.0015"
2320-1110	0-500mm/0-20"	0.01mm/0.0005"	770	44	100	24	20.32 or 20	0.05mm/0.002"
2320-1115	0-1000mm/0-40"	0.01mm/0.0005"	1210	46	125	30	20.32 or 20	0.06mm/0.0025"

IP65 BUILT-IN BLUETOOTH INDUSTRY HEAVY DUTY DIGITAL CALIPER



- IP65 protection against water, oil, dust or any other liquid.
- Strictly made in accordance with DIN862.
- Silky smooth movement throughout.
- With fine adjustment.
- Hardened stainless steel construction for long life.
- Metric/Inch/Fraction conversion.

Unit:mm

Code	Measuring range	Reading	L1	L2	L3	W1	T1	Accuracy
2510-3110	0-500mm/0-20"	0.01mm/0.0005"	770	44	100	24	20.32 or 20	0.05mm/0.002"
2510-3115	0-1000mm/0-40"	0.01mm/0.0005"	1210	46	125	30	20.32 or 20	0.06mm/0.0025"

IP67 WATER-PROOF DIGITAL SCALE

BUILT-IN BLUETOOTH & IP67 DIGITAL SCALE



- Great tool for improving the old-style machines.
- Industrial grade and protection grade IP67, ensure the scale can work reliably in hard environment.
- Super Large LCD for easy reading; Display Inch/Metric/Fractions
- Rule made of HARDENED STAINLESS STEEL to promote high accuracy and repeatability.



- The new generation measuring series with Built-in Bluetooth transmission.
- Great tool for improving the old-style machines.
- Industrial grade and protection grade IP67, ensure the scale can work reliably in hard environment.
- Super Large LCD for easy reading; Display Inch/Metric/Fractions
- Rule made of HARDENED STAINLESS STEEL to promote high accuracy and repeatability.

Code	Measuring range*Graduation	Code	Measuring range*Graduation
5810-3105	0-150mm/0-6**0.01mm/0.0005"	5810-1105	0-150mm/0-6**0.01mm/0.0005"
5810-3110	0-200mm/0-8**0.01mm/0.0005"	5810-1110	0-200mm/0-8**0.01mm/0.0005"
5810-3115	0-300mm/0-12**0.01mm/0.0005"	5810-1115	0-300mm/0-12**0.01mm/0.0005"
5810-3120	0-600mm/0-24**0.01mm/0.0005"	5810-1120	0-600mm/0-24**0.01mm/0.0005"
5810-3125	0-1000mm/0-40**0.01mm/0.0005"	5810-1125	0-1000mm/0-40**0.01mm/0.0005"

Code	Measuring range*Graduation
5810-7105	0-150mm/0-6**0.01mm/0.0005"
5810-7110	0-200mm/0-8**0.01mm/0.0005"
5810-7115	0-300mm/0-12**0.01mm/0.0005"
5810-7120	0-600mm/0-24**0.01mm/0.0005"
5810-7125	0-1000mm/0-40**0.01mm/0.0005"

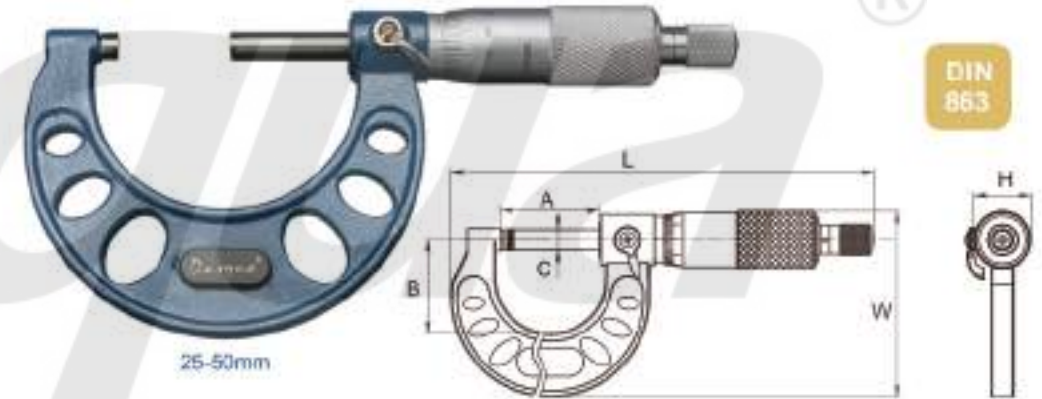
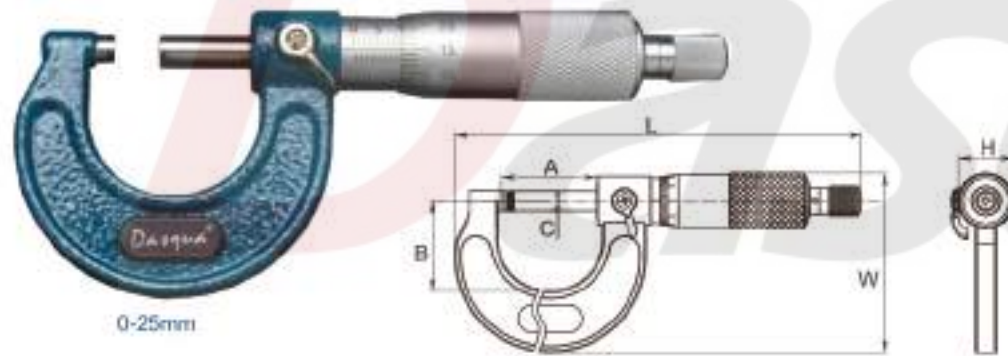
MICROMETERS[®]

- OUTSIDE MICROMETERS
- DEPTH MICROMETERS
- INSIDE MICROMETERS
- DIGITAL OUTSIDE MICROMETERS
- THREE POINTS OUTSIDE MICROMETERS





OUTSIDE MICROMETER



®

DIN 863

- Strictly made in accordance with DIN863.
- Spindle thread hardened, ground and lapped for ultimate accuracy.
- Baked enamel finish frame.
- Barrel and thimble satin chrome finish.
- Clear graduations on satin chrome finish for easy reading.
- Quick and easy adjustment.
- Carbide measuring face.
- With zero adjusting wrench.

- Spindle lock.
- Ratchet stop.
- Extremely hardened stable one-piece spindle
- Fitted case.

Unit:mm

Code	Metric	A	B	C	L	W	H	Accuracy
4111-8105	0-25mm*0.01mm	31	29.5	φ6.5	133	58.5	18	0.004mm
4111-8110	25-50mm*0.01mm	56	38	φ6.5	137.2	76	18	0.004mm
4111-8115	50-75mm*0.01mm	81	51	φ6.5	162.7	91	18	0.005mm
4111-8120	75-100mm*0.01mm	106	63.5	φ6.5	187.7	105	18	0.005mm
4111-8125	100-125mm*0.01mm	131	76	φ6.5	214.5	125	18	0.006mm
4111-8130	125-150mm*0.01mm	156	89	φ6.5	251	142	18	0.006mm
4111-9105	0-25mm*0.001mm	31	29.5	φ6.5	133	58.5	18	0.004mm
4111-9110	25-50mm*0.001mm	56	38	φ6.5	137.2	76	18	0.004mm
4111-9115	50-75mm*0.001mm	81	51	φ6.5	162.7	91	18	0.005mm
4111-9120	75-100mm*0.001mm	106	63.5	φ6.5	187.7	105	18	0.005mm
4111-9125	100-125mm*0.001mm	131	76	φ6.5	214.5	125	18	0.006mm
4111-9130	125-150mm*0.001mm	156	89	φ6.5	251	142	18	0.006mm

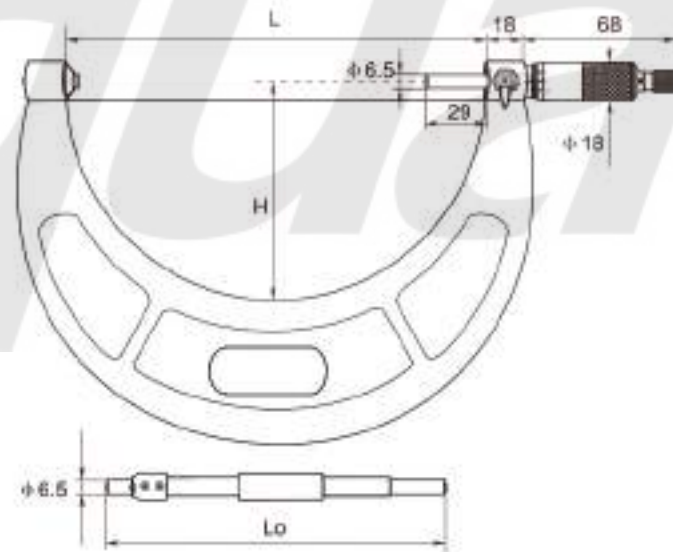
®

Unit:mm

Code	Inch	A	B	C	L	W	H	Accuracy
4112-5105	0-1"0.001"	31	29.5	φ6.5	133	58.5	18	0.00015"
4112-5110	1-2"0.001"	56	38	φ6.5	137.2	76	18	0.00015"
4112-5115	2-3"0.001"	81	51	φ6.5	162.7	91	18	0.0002"
4112-5120	3-4"0.001"	106	63.5	φ6.5	187.7	105	18	0.0002"
4112-5125	4-5"0.001"	131	76	φ6.5	214.5	125	18	0.00025"
4112-5130	5-6"0.001"	156	89	φ6.5	251	142	18	0.00025"
4112-0105	0-1"0.0001"	31	29.5	φ6.5	133	58.5	18	0.00015"
4112-0110	1-2"0.0001"	56	38	φ6.5	137.2	76	18	0.00015"
4112-0115	2-3"0.0001"	81	51	φ6.5	162.7	91	18	0.0002"
4112-0120	3-4"0.0001"	106	63.5	φ6.5	187.7	105	18	0.0002"
4112-0125	4-5"0.0001"	131	76	φ6.5	214.5	125	18	0.00025"
4112-0130	5-6"0.0001"	156	89	φ6.5	251	142	18	0.00025"



BIG ZISE OUTSIDE MICROMETER



DIN 863

Unit:mm

Code	Measuring range *Resolution	L	H	Lo	Accuracy	Code	Measuring range *Resolution	L	H	Lo	Accuracy
4112-8135	150-175mm*0.01mm	185	99	150	0.007mm	4112-5135	6-7**0.001*	185	99	150	0.00027*
4112-8140	175-200mm*0.01mm	210	111.5	175	0.007mm	4112-5140	7-8**0.001*	210	111.5	175	0.00027*
4112-8145	200-225mm*0.01mm	238	127	200	0.008mm	4112-5145	8-9**0.001*	238	127	200	0.0003*
4112-8150	225-250mm*0.01mm	264	140	225	0.008mm	4112-5150	9-10**0.001*	264	140	225	0.0003*
4112-8155	250-275mm*0.01mm	289	152.5	250	0.009mm	4112-5155	10-11**0.001*	289	152.5	250	0.00035*
4112-8160	275-300mm*0.01mm	315	165.5	275	0.009mm	4112-5160	11-12**0.001*	315	165.5	275	0.00035*
4111-9135	150-175mm*0.001mm	185	99	150	0.007mm	4112-1135	6-7**0.0001*	185	99	150	0.00027*
4111-9140	175-200mm*0.001mm	210	111.5	175	0.007mm	4112-1140	7-8**0.0001*	210	111.5	175	0.00027*
4111-9145	200-225mm*0.001mm	238	127	200	0.008mm	4112-1145	8-9**0.0001*	238	127	200	0.0003*
4111-9150	225-250mm*0.001mm	264	140	225	0.008mm	4112-1150	9-10**0.0001*	264	140	225	0.0003*
4111-9155	250-275mm*0.001mm	289	152.5	250	0.009mm	4112-1155	10-11**0.0001*	289	152.5	250	0.00035*
4111-9160	275-300mm*0.001mm	315	165.5	275	0.009mm	4112-1160	11-12**0.0001*	315	165.5	275	0.00035*

- Strictly made in accordance with DIN863.
- Spindle thread hardened, ground and lapped for ultimate accuracy.
- Baked enamel finish frame.
- Barrel and thimble satin chrome finish.
- Clear graduations on satin chrome finish for easy reading.
- Quick and easy adjustment.
- Carbide measuring face.
- With zero adjusting wrench.
- Spindle lock.
- Ratchet stop.
- Fitted case.

OUTSIDE MICROMETER SET



4111-8215



4111-8203

3pcs/set



4pcs/set



6pcs/set



12pcs/set



®

DIN
863

Code	Set/pcs	Range	Graduation	Package
4111-8206	3	0-75mm	0.01mm	Plastic box
4111-8210	4	0-100mm	0.01mm	Plastic box
4111-8215	6	0-150mm	0.01mm	Aluminium case
4111-8220	6	0-150mm	0.001mm	Aluminium case
4111-8213	6	150-300mm	0.01mm	Aluminium case
4111-8008	6	150-300mm	0.01mm	Aluminium case
4111-8203	12	0-300mm	0.01mm	Aluminium case
4111-8408	12	0-300mm	0.001mm	Aluminium case
4112-0206	3	0-3"	0.001"	Plastic box
4112-0210	4	0-4"	0.001"	Plastic box
4112-0216	6	0-6"	0.001"	Aluminium case
4112-0215	6	0-6"	0.0001"	Aluminium case
4112-0218	6	6-12"	0.001"	Aluminium case
4112-0213	6	6-12"	0.0001"	Aluminium case
4112-0208	12	0-12"	0.001"	Aluminium case
4112-0303	12	0-12"	0.0001"	Aluminium case



- Strictly made in accordance with DIN863
- Clear graduations on satin chrome finish for easy reading.
- Baked enamel finish frame.
- Quick, easy zero adjustment on sleeve.
- Microfine graduations on satin chrome finish and carbide tipped measuring faces.
- Positive lever locking clamp.
- Spindle thread hardened, ground and lapped for ultimate accuracy.
- Anvil and spindle hardened, precision ground with micro-lapped finish.
- Includes adjustment wrenches and fitted case for all 12 micrometers.



3PCS OUTSIDE MICROMETER



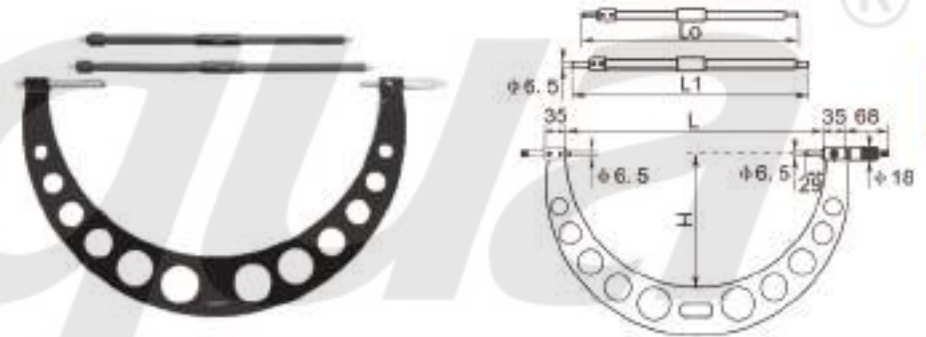
DIN 863

- Strictly made in accordance with DIN863.
- Ratchet stop.
- Spindle lock.
- Carbide measuring faces.
- Satin chrome finish with heat shield.
- Covering most used measuring range.
- Complete in a fitted case.

Unit:mm

Code	Set/pcs	Range	Graduation
4111-8205	3	0-75mm	0.01mm
4112-0205	3	0-3"	0.0001"

MICROMETER WITH ADJUSTABLE ANVIL



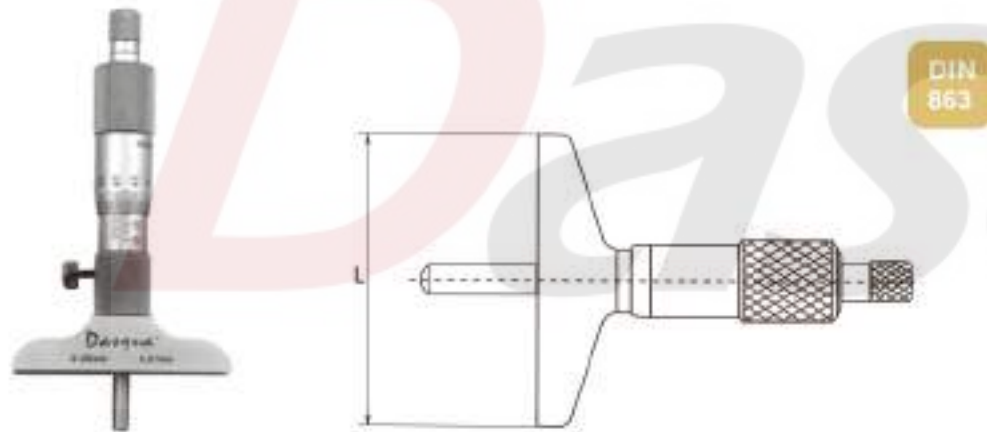
DIN 863

- Strictly made in accordance with DIN863.
- Ratchet stop.
- Spindle lock.
- Carbide measuring faces.
- Satin chrome finish with heat shield.
- Covering most used measuring range.
- Complete in a fitted case.

Unit:mm

Code	Measuring range	Resolution	L	H	Lo/L1	Accuracy
4800-0005	300-400mm	0.01mm	410	215	325/375	0.011mm
4800-0010	400-500mm	0.01mm	510	265	425/475	0.013mm
4800-0015	500-600mm	0.01mm	610	315	525/575	0.015mm
4800-0020	600-700mm	0.01mm	710	365	625/675	0.016mm
4800-0025	700-800mm	0.01mm	810	415	725/775	0.018mm
4800-0030	800-900mm	0.01mm	910	465	825/875	0.02mm
4800-0035	900-1000mm	0.01mm	1010	515	925/975	0.022mm
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"

DEPTH MICROMETER



MICROMETER HEAD



- Dasqua depth micrometer measures depth of holes or parts with grooved or elevated surfaces.
- Satin chrome finish.
- Ratchet thimble, threads are hardened ground and lapped for consistent repeatability and accuracy.
- Positive locking clamp.
- Base surface hardened, ground and lapped.
- Measuring surface of rods are hardened, ground and lapped.
- With fitted case.
- Clear graduations easy-to-read.

- Use for improving accuracy in machines, gauging, test equipment, electronics, optical instruments and machine instrument.
- Satin chrome finished- no glare and resists rust.
- Quick reading figures on thimble.
- Flat face spindle with high precision.
- Ratchet thimble, threads are hardened ground and lapped for consistent repeatability and accuracy.
- Quick and easy adjustment.

Code	Metric	Accuracy	L(mm)
4611-8105	0-25mm/0.01mm	±0.004mm	63
4611-8110	0-50mm/0.01mm	±0.004mm	102
4611-8115	0-75mm/0.01mm	±0.006mm	102
4611-8120	0-100mm/0.01mm	±0.006mm	102

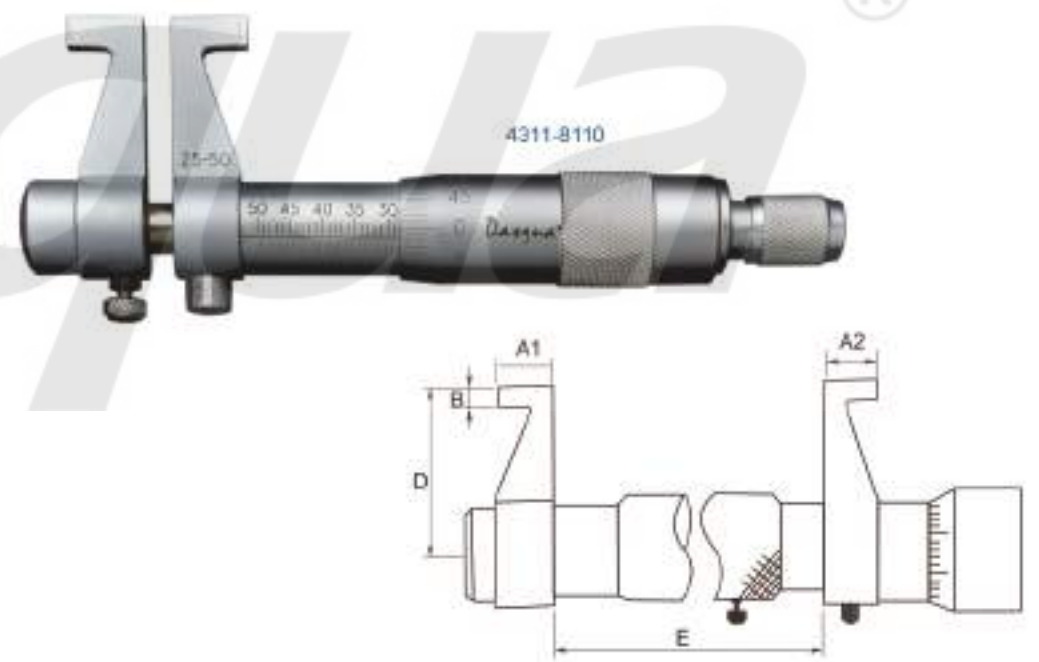
Code	Metric	Accuracy	Code	Inch	Accuracy
4811-8105	0-6.5mm*0.01mm	0.04mm	4811-8105	0-0.25*0.001"	0.0015"
4811-8110	0-13mm*0.01mm	0.04mm	4811-8110	0-0.5**0.001"	0.0015"
4811-8115	0-25mm*0.01mm	0.04mm	4811-8115	0-1**0.001"	0.0015"
4811-8120	0-50mm*0.01mm	0.04mm	4811-8120	0-2**0.001"	0.0015"

Unit:mm

Code	Inch	Accuracy	L(mm)
4612-5105	0-1**0.001"	±0.00016"	63
4612-5110	0-2**0.001"	±0.00016"	102
4612-5115	0-3**0.001"	±0.00025"	102
4612-5120	0-4**0.001"	±0.00025"	102



INSIDE MICROMETER



SET 4311-8125

Unit:mm

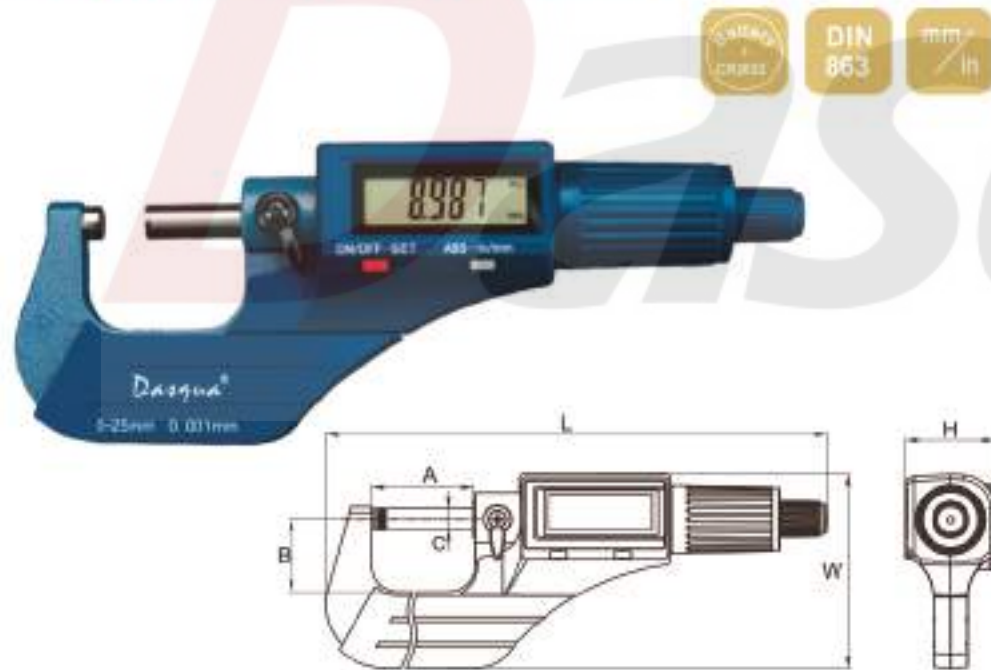
Code	Measuring range	Resolution	A	A1	B	C	D	E	Accuracy
4311-8105	5-30mm	0.01mm	4.5	/	3	5.5	27.3	/	0.007mm
4311-8110	25-50mm	0.01mm	24	/	4.5	/	33	/	0.008mm
4311-8115	50-75mm	0.01mm	/	12	4.5	/	33	50	0.009mm
4311-8120	75-100mm	0.01mm	/	12	4.5	/	33	75	0.010mm
4311-8125	5-100mm	0.01mm	/	/	/	/	/	/	/

- Ideal for measuring various inside dimensions.
- Locking clamp for positive locking of spindle.
- Hard chrome plated.
- Threaded parts hardened.
- Clear graduations on satin chrome finish.
- High precision ground measuring jaws.
- Durable smooth finish.
- Ratchet thimble for constant force.

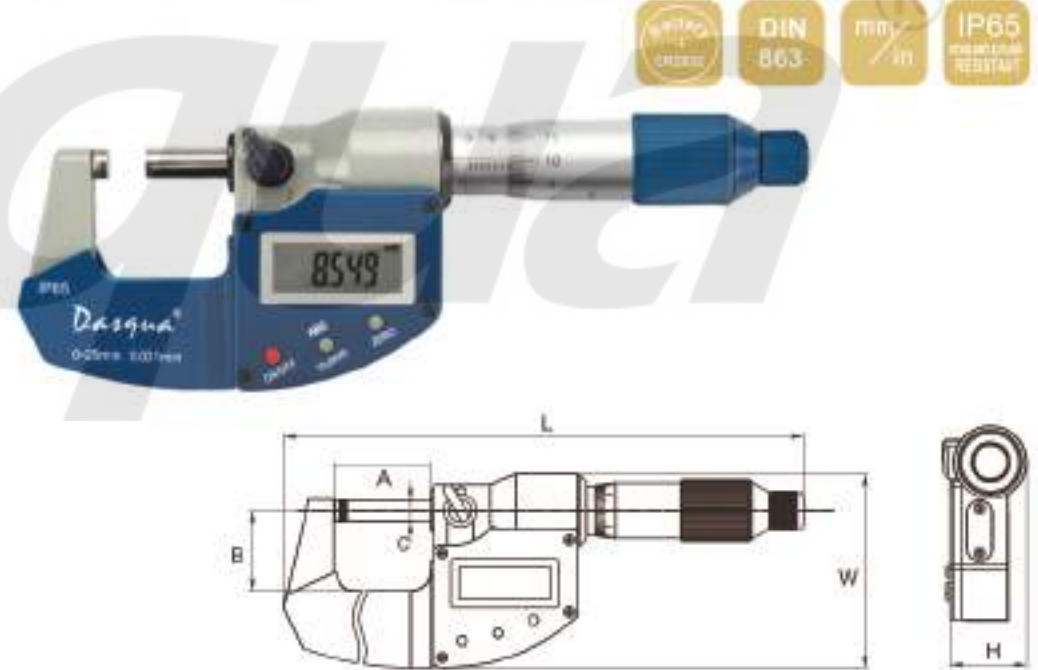
Unit:mm

Code	Measuring range	Resolution	A	A1	B	C	D	E	Accuracy
4312-5105	0.2-1.2"	0.001"	4.5	/	3	5.5	27.3	/	0.00035"
4312-5110	1-2"	0.001"	24	/	4.5	/	33	/	0.0004"
4312-5115	2-3"	0.001"	/	12	4.5	/	33	50	0.00045"
4312-5120	3-4"	0.001"	/	12	4.5	/	33	75	0.0005"

DIGITAL OUTSIDE MICROMETER



IP65 DIGITAL OUTSIDE MICROMETER



- Large, easy-to-read Digital display.
- Class A in electrostatic discharge.
- Carbide-tipped anvils.
- Measuring spindle hardened and ground.
- Extremely hardened stable one-piece spindle.
- Ratchet stop.
- Metric and inch conversion.

Unit:mm

Code	Measuring range	Resolution	A	B	C	L	W	H	Accuracy
4210-2105	0-25mm/0-1"	0.001mm/0.00005"	31.5	22.5	φ6.5	155	60.2	27.3	0.003mm/0.00015"
4210-2110	25-50mm/1-2"	0.001mm/0.00005"	56.5	31	φ6.5	185.4	77.9	27.3	0.003mm/0.00015"
4210-2115	50-75mm/2-3"	0.001mm/0.00005"	81.5	44	φ6.5	211.9	93.4	27.3	0.004mm/0.00015"
4210-2120	75-100mm/3-4"	0.001mm/0.00005"	107.1	58	φ6.5	239.9	111.4	27.3	0.004mm/0.00015"
4210-2125	100-125mm/4-5"	0.001mm/0.00005"	132	66	φ6.5	269.7	127.8	27.3	0.005mm/0.0002"
4210-2130	125-150mm/5-6"	0.001mm/0.00005"	156.5	80	φ6.5	296	145	27.3	0.005mm/0.0002"

- Large, easy-to-read Digital display.
- Class A in electrostatic discharge.
- Carbide-tipped anvils.
- Measuring spindle hardened and ground.
- IP65 protection.

Unit:mm

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

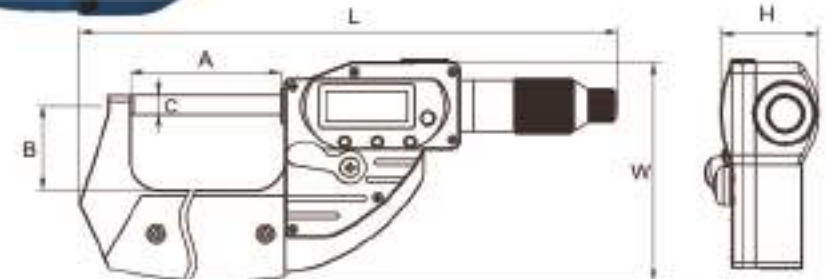


MICROMETER

UNIVERSAL DIGITAL MICROMETERS



DIGITAL QUICK-MOVE MICROMETER



- 7 pairs of interchangeable anvils.
- Direct inch and metric conversion.
- ABS/INC measuring mode.
- Tolerance and preset function.
- Spindle thread hardened, ground and lapped for ultimate accuracy.
- Include fitted case.

Unit:mm

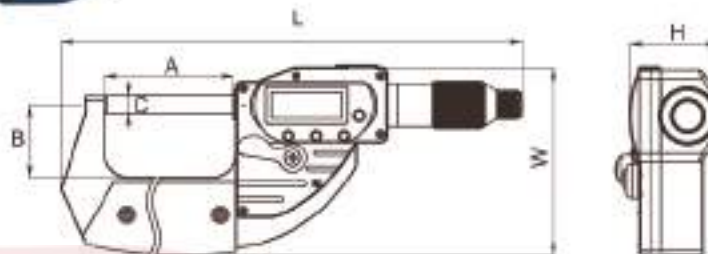
Code	Measuring range	Resolution
4210-2103	0-25mm/0-1"	0.001mm/0.00005"
4210-2108	25-50mm/1-2"	0.001mm/0.00005"

- Absolute function.
- Quick measuring function.
- Large, easy-to-read Digital display.
- Class A in electrostatic discharge.
- Carbide-tipped anvils.
- Measuring spindle hardened and ground.
- IP65 protection.

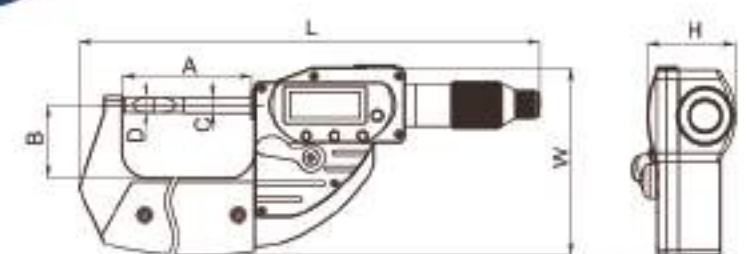
Unit:mm

Code	Measuring range	Resolution	A	B	C	D	L	W	H	Accuracy
4220-2105	0-25mm/0-1"	0.001mm/0.00005"	55.3	31	φ6.5	φ20	197	80.5	30.8	0.003mm/0.00015"
4220-2110	25-50mm/1-2"	0.001mm/0.00005"	80.3	44	φ6.5	φ20	228	96	30.8	0.003mm/0.00015"
4220-2115	50-75mm/2-3"	0.001mm/0.00005"	105	56	φ6.5	φ20	258	113	30.8	0.004mm/0.00015"

IP65 BUILT-IN BLUETOOTH QUICK-MOVE MICROMETER



DIGITAL QUICK-MOVE BLADE MICROMETER



- The new generation measuring series with Built-in Bluetooth transmission.
- Absolute function.
- Quick measuring function.
- Large, easy-to-read Digital display.
- Class A in electrostatic discharge.
- Carbide-tipped anvils.
- Measuring spindle hardened and ground.
- IP65 protection.

Unit:mm

Code	Measuring range	Resolution	A	B	C	L	W	H	Accuracy
4610-3105	0-25mm/0-1"	0.001mm/0.00005"	55.3	31	φ6.5	197	80.5	30.8	0.003mm/0.00015"
4610-3110	25-50mm/1-2"	0.001mm/0.00005"	80.3	44	φ6.5	228	96	30.8	0.003mm/0.00015"
4610-3115	50-75mm/2-3"	0.001mm/0.00005"	105	56	φ6.5	258	113	30.8	0.004mm/0.00015"

- Absolute function.
- Measure narrow grooves and hard-to-reach areas.
- Quick measuring function.
- Large, easy-to-read Digital display.
- Class A in electrostatic discharge.
- Carbide-tipped anvils.
- Measuring spindle hardened and ground.
- IP65 protection.

Unit:mm

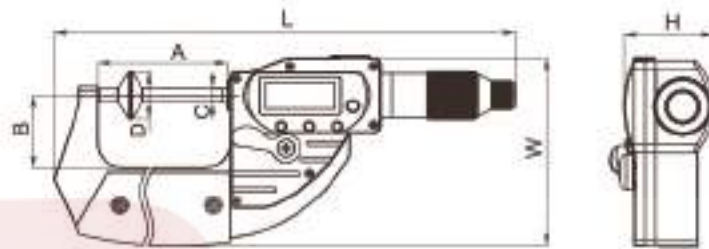
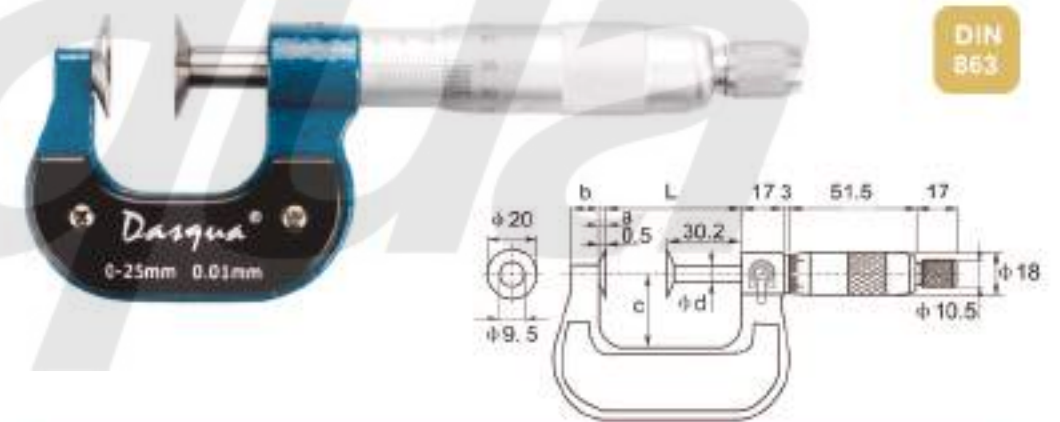
Code	Measuring range	Resolution	A	B	C	D	L	W	H	Accuracy
4220-2103	0-25mm/0-1"	0.001mm/0.00005"	55.3	31	φ6.5	φ6	197.2	80.5	30.8	0.003mm/0.00015"
4220-2106	25-50mm/1-2"	0.001mm/0.00005"	80.3	44	φ6.5	φ6	227.5	96	30.8	0.003mm/0.00015"
4220-2109	50-75mm/2-3"	0.001mm/0.00005"	105.3	56	φ6.5	φ6	257.6	112.5	30.8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



MICROMETER

IP65 DIGITAL QUICK-MOVE DISC MICROMETER

DISC MICROMETER



- Absolute function.
- Features extra large diameter discs which easily enter hard-to-reach narrow grooves, slots & recesses, thread pitch measurement.
- Quick measuring function.
- Large easy-to-read Digital display.
- Class A in electrostatic discharge.
- Carbide-tipped anvils.
- Measuring spindle hardened and ground.
- IP65 protection.

Unit:mm

Code	Measuring range	Resolution	A	B	C	D	L	W	H	Accuracy
4220-2104	0-25mm/0-1"	0.001mm/0.00005"	55.3	31	φ6.5	φ20	197.2	89.5	30.8	0.003mm/0.00015"
4220-2108	25-50mm/1-2"	0.001mm/0.00005"	80.3	44	φ6.5	φ20	227.5	96	30.8	0.003mm/0.00015"
4220-2112	50-75mm/2-3"	0.001mm/0.00005"	105.3	56	φ6.5	φ20	257.8	112.5	30.8	0.004mm/0.00015"

- Strictly made in accordance with DIN863.
- Features extra large diameter discs which easily enter hard-to-reach narrow grooves, slots & recesses, and thread pitch measurement.
- Spindle thread hardened, ground and lapped for ultimate accuracy.
- Baked enamel finish frame.
- Barrel and thimble satin chrome finish.
- Carbide measuring face.
- Clear graduations on satin chrome finish for easy reading.
- Quick and easy zero adjustment on sleeve.
- Positive lever locking clamp and ratchet stop.
- Fitted case.

Unit:mm

Code	Measuring range*Resolution	L	a	b	c	d	Accuracy
4111-8102	0-25mm*0.01mm	33	2.8	7	24	6.5	0.004mm
4111-8104	25-50mm*0.01mm	56	2.8	11	30	6.5	0.004mm
4111-8106	50-75mm*0.01mm	83	2.8	11	42.5	6.5	0.005mm
4111-8108	75-100mm*0.01mm	108	2.8	11	55	6.5	0.005mm
4112-5102	0-1"*0.001"	33	2.8	7	24	6.5	0.0002"
4112-5104	1-2"*0.001"	56	2.8	11	30	6.5	0.0002"
4112-5106	2-3"*0.001"	83	2.8	11	42.5	6.5	0.00025"
4112-5108	3-4"*0.001"	108	2.8	11	55	6.5	0.00025"

SPLINE MICROMETER



DIGITAL SPLINE MICROMETER



- For measuring spline shafts, slots and keyways
- Strictly made in accordance with DIN863.
- Spindle thread hardened, ground and lapped for ultimate accuracy.
- Barrel and thimble satin chrome finish.
- Carbide measuring face.
- Clear graduations on satin chrome finish for easy reading.
- Quick and easy zero adjustment on sleeve.
- Positive lever locking clamp and ratchet stop.

Unit:mm

- For measuring spline shafts, slots and keyways
- Strictly made in accordance with DIN863.
- Spindle thread hardened, ground and lapped for ultimate accuracy.
- Barrel and thimble satin chrome finish.
- Carbide measuring face.
- Clear graduations on satin chrome finish for easy reading.
- Quick and easy zero adjustment on sleeve.
- Positive lever locking clamp and ratchet stop.

Unit:mm

Code	Measuring range	Resolution	A	B	C	D	L	W	H	Accuracy
4710-1005	0-25mm	0.01mm	56	38	φ6.5	φ3.0	137.2	76	18	0.004mm/0.00015"
4710-1010	25-50mm	0.01mm	55.3	31	φ6.5	φ3.0	162.7	91	18	0.004mm/0.00015"
4710-1015	50-75mm	0.01mm	80.8	44	φ6.5	φ3.0	187.7	105	18	0.005mm/0.0002"
4710-1020	75-100mm	0.01mm	131	76	φ6.5	φ3.0	214.5	125	18	0.005mm/0.0002"
4710-2005	0-1"	0.001"	56	38	φ6.5	φ3.0	137.2	76	18	0.004mm/0.00015"
4710-2010	1-2"	0.001"	55.3	31	φ6.5	φ3.0	162.7	91	18	0.004mm/0.00015"
4710-2015	2-3"	0.001"	80.8	44	φ6.5	φ3.0	187.7	105	18	0.005mm/0.0002"
4710-2020	3-4"	0.001"	131	76	φ6.5	φ3.0	214.5	125	18	0.005mm/0.0002"

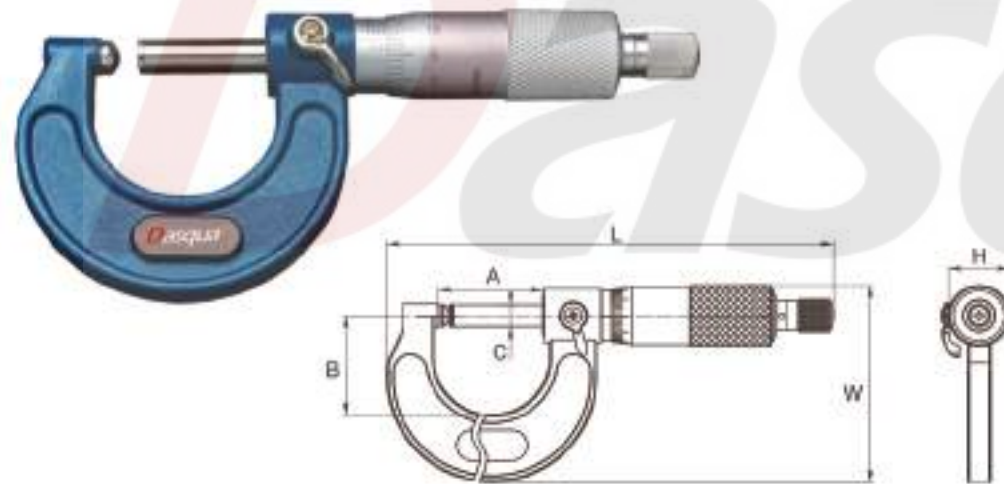
Code	Measuring range	Resolution	A	B	C	D	L	W	H	Accuracy
4720-2005	0-25mm/0-1"	0.001mm/0.00005"	56.5	31	φ6.5	φ3.0	185.4	77.9	27.3	0.003mm/0.00015"
4720-2010	25-50mm/1-2"	0.001mm/0.00005"	81.5	44	φ6.5	φ3.0	211.9	93.4	27.3	0.003mm/0.00015"
4720-2015	50-75mm/2-3"	0.001mm/0.00005"	107.1	56	φ6.5	φ3.0	239.9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



MICROMETER

SPHERICAL ANVIL TUBE MICROMETERS

DIN 863



DIGITAL SPHERICAL ANVIL TUBE MICROMETERS



DIN 863



- For measuring wall thickness of tubes
- Strictly made in accordance with DIN863.
- Spindle thread hardened, ground and lapped for ultimate accuracy.
- Barrel and thimble satin chrome finish.
- Carbide measuring face.
- Clear graduations on satin chrome finish for easy reading
- Quick and easy zero adjustment on sleeve.
- Positive lever locking clamp and ratchet stop.

Unit:mm

Code	Measuring range	Resolution	A	B	C	L	W	H	Accuracy
4510-1005	0-25mm	0.01mm	31	29.5	φ6.5	133	58.5	18	0.004mm/0.00015"
4510-1010	25-50mm	0.01mm	56	38	φ6.5	137.2	76	18	0.004mm/0.00015"
4510-1015	50-75mm	0.01mm	81	51	φ6.5	162.7	91	18	0.005mm/0.0002"
4510-1020	75-100mm	0.01mm	106	63.5	φ6.5	187.7	105	18	0.005mm/0.0002"
4510-2005	0-1"	0.001"	31	29.5	φ6.5	133	58.5	18	0.004mm/0.00015"
4510-2010	1-2"	0.001"	56	38	φ6.5	137.2	76	18	0.004mm/0.00015"
4510-2015	2-3"	0.001"	81	51	φ6.5	162.7	91	18	0.005mm/0.0002"
4510-2020	3-4"	0.001"	106	63.5	φ6.5	187.7	105	18	0.005mm/0.0002"

- For measuring wall thickness of tubes
- Strictly made in accordance with DIN863.
- Spindle thread hardened, ground and lapped for ultimate accuracy.
- Barrel and thimble satin chrome finish.
- Carbide measuring face.
- Clear graduations on satin chrome finish for easy reading
- Quick and easy zero adjustment on sleeve.
- Positive lever locking clamp and ratchet stop.

Unit:mm

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

POINT MICROMETER

DIN 863



DIGITAL POINT MICROMETER

DIN 863



- For measuring the web thickness of drills, small grooves, and other hard to reach dimensions
- Strictly made in accordance with DIN863.
- Spindle thread hardened, ground and lapped for ultimate accuracy.
- Barrel and thimble satin chrome finish.
- Carbide measuring face.
- Clear graduations on satin chrome finish for easy reading.
- Quick and easy zero adjustment on sleeve
- Positive lever locking clamp and ratchet stop.

Unit:mm

- For measuring For measuring the web thickness of drills, small grooves, and other hard to reach dimensions
- Strictly made in accordance with DIN863.
- Spindle thread hardened, ground and lapped for ultimate accuracy.
- Barrel and thimble satin chrome finish.
- Carbide measuring face.
- Clear graduations on satin chrome finish for easy reading.
- Quick and easy zero adjustment on sleeve.
- Positive lever locking clamp and ratchet stop.

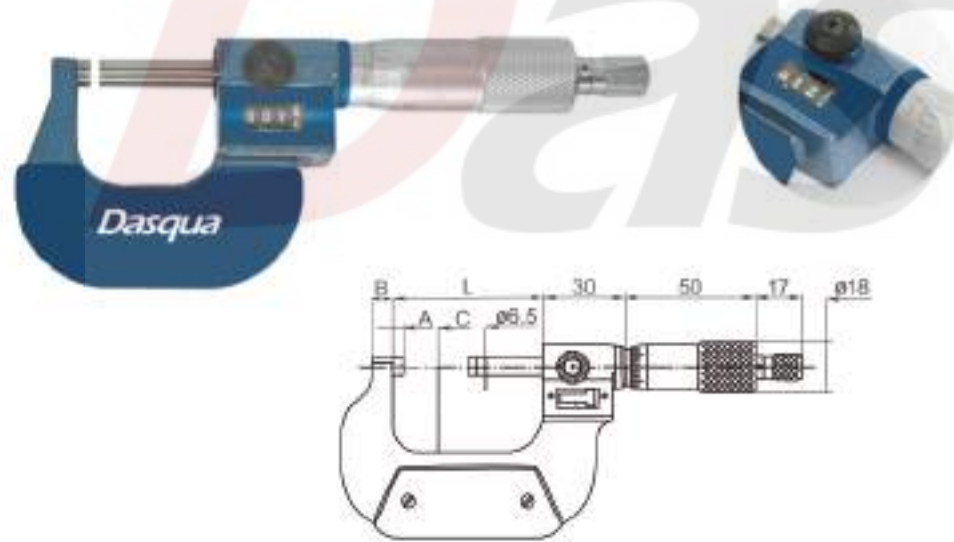
Unit:mm

Code	Measuring range	Resolution	A	B	C	L	W	H	Accuracy
4610-1005	0-25mm	0.01mm	56	38	φ6.5	137.2	76	18	0.004mm/0.00015"
4610-1010	25-50mm	0.01mm	81	51	φ6.5	162.7	91	18	0.004mm/0.00015"
4610-1015	50-75mm	0.01mm	106	63.5	φ6.5	187.7	105	18	0.005mm/0.0002"
4610-1020	75-100mm	0.01mm	131	76	φ6.5	214.5	125	18	0.005mm/0.0002"
4610-2005	0-1"	0.001"	56	38	φ6.5	137.2	76	18	0.004mm/0.00015"
4610-2010	1-2"	0.001"	81	51	φ6.5	162.7	91	18	0.004mm/0.00015"
4610-2015	2-3"	0.001"	106	63.5	φ6.5	187.7	105	18	0.005mm/0.0002"
4610-2020	3-4"	0.001"	131	76	φ6.5	214.5	125	18	0.005mm/0.0002"

Code	Measuring range	Resolution	A	B	C	L	W	H	Accuracy
4620-2005	0-25mm/0-1"	0.001mm/0.00005"	56.5	31	φ6.5	185.4	77.9	27.3	0.003mm/0.00015"
4620-2010	25-50mm/1-2"	0.001mm/0.00005"	81.5	44	φ6.5	211.9	93.4	27.3	0.003mm/0.00015"
4620-2015	50-75mm/2-3"	0.001mm/0.00005"	107.1	56	φ6.5	239.9	111.4	27.3	0.004mm/0.00015"
4620-2020	75-100mm/3-4"	0.001mm/0.00005"	132	66	φ6.5	269.7	127.8	27.3	0.004mm/0.00015"



OUTSIDE MICROMETER WITH COUNTER



- Quick reading with digit counter
- Hardened and ground spindle with carbide anvil ensure durability and accuracy
- Ratchet stop
- Counter resolution: 0.01mm
- Clear graduation on stain chrome finish for easy reading
- Quick and easy zero adjustment on sleeve

Unit:mm

Code	Measuring range	Resolution	A	B	C	L	Accuracy
4150-1005	0-25mm	0.01mm	3	6	26	32	0.004mm/0.00015"
4150-1010	25-50mm	0.01mm	3	8	32	57	0.004mm/0.00015"
4150-1015	50-75mm	0.01mm	3	8	44.5	82	0.005mm/0.0002"
4150-1020	75-100mm	0.01mm	3	8	57	107	0.005mm/0.0002"
4150-1025	100-125mm	0.01mm	3	17	71.8	132.4	0.006mm/0.00025"
4150-1030	125-150mm	0.01mm	3	17	84	157.8	0.006mm/0.00025"

INDICATOR SNAP MICROMETER



- Retractable anvil with an indicator for precise measurement of mass produced parts
- Adjustable depth stop
- Hardened and ground spindle with carbide anvil ensure durability and accuracy
- Ratchet stop
- Clear graduation on stain chrome finish for easy reading
- Quick and easy zero adjustment on sleeve
- Silky smooth movement throughout

Code	Measuring range	Resolution of micrometer head	Resolution of Indicator	A	D	L
4146-1005	0-25mm	0.002mm	0.001mm	19	6.5	28.5
4146-1010	25-50mm	0.002mm	0.001mm	30	6.5	53.5
4146-1015	50-75mm	0.002mm	0.001mm	45	6.5	78.5
4146-1020	75-100mm	0.002mm	0.001mm	57	6.5	103.5

DIGITAL MICROMETER HEAD

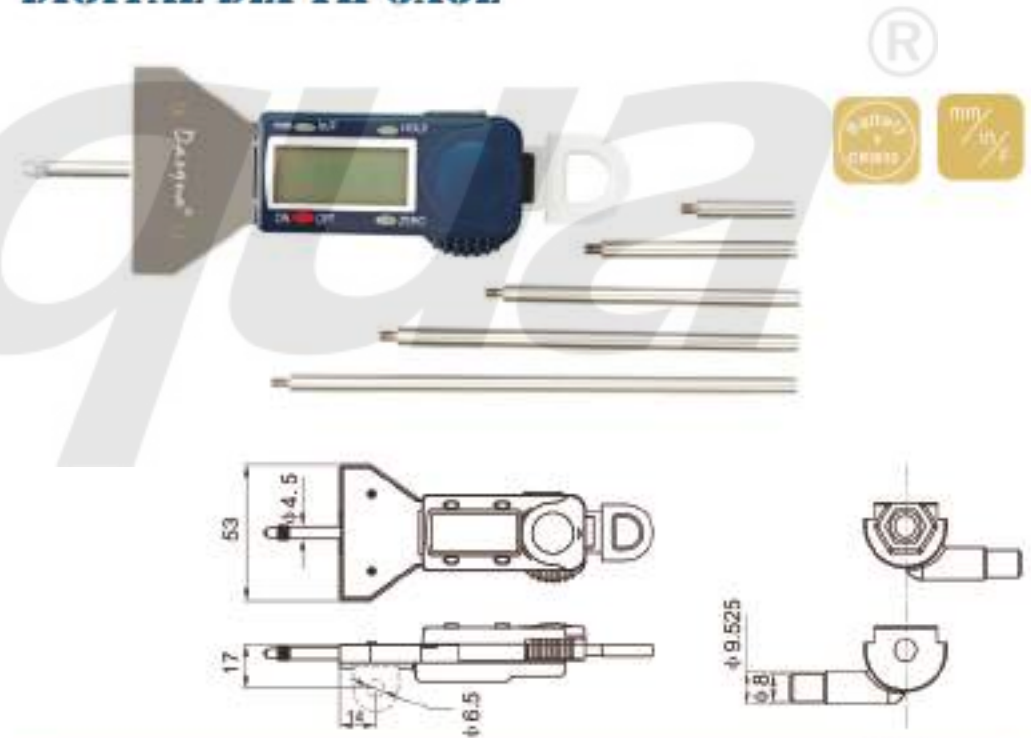


- Ratchet stop.
- Large easy-to-read display.
- Attractive painted frame.
- Ball measuring face.
- True metric/inch conversion.
- Extremely hardened stable one-piece spindle.

Code	Measuring range	Resolution	Accuracy
4910-2110	0-15mm/0-0.5"	0.001mm/0.00005"	0.003mm/0.00015"
4910-2115	0-25mm/0-1"	0.001mm/0.00005"	0.003mm/0.00015"

Unit:mm

DIGITAL DEPTH GAGE



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

Code	Travel	Resolution	Range	Accuracy
4710-1205	0-25mm/0-1"	0.001mm/0.00005"	0-22"1550mm	0.003mm/0.00015"

Unit:mm



DIGITAL DEPTH MICROMETER

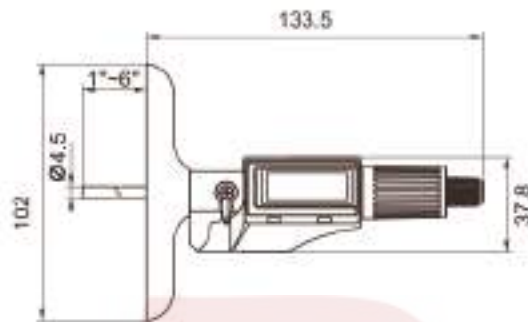


DIN 863

mm / inch

Data output

50-300



Unit:mm

- Strictly made in accordance with DIN863.
- Large easy-to-read display.
- Base surface hardened, ground and lapped.
- Interchangeable rods provide a wide measuring range.
- Ratchet stop with locking clamp.
- Satin chrome finished.

Code	Measuring range	Resolution	Accuracy
4710-2205	0-150mm/0-6"	0.001mm/0.00005"	±0.005mm/0.0002"

TUBULAR INSIDE MICROMETER



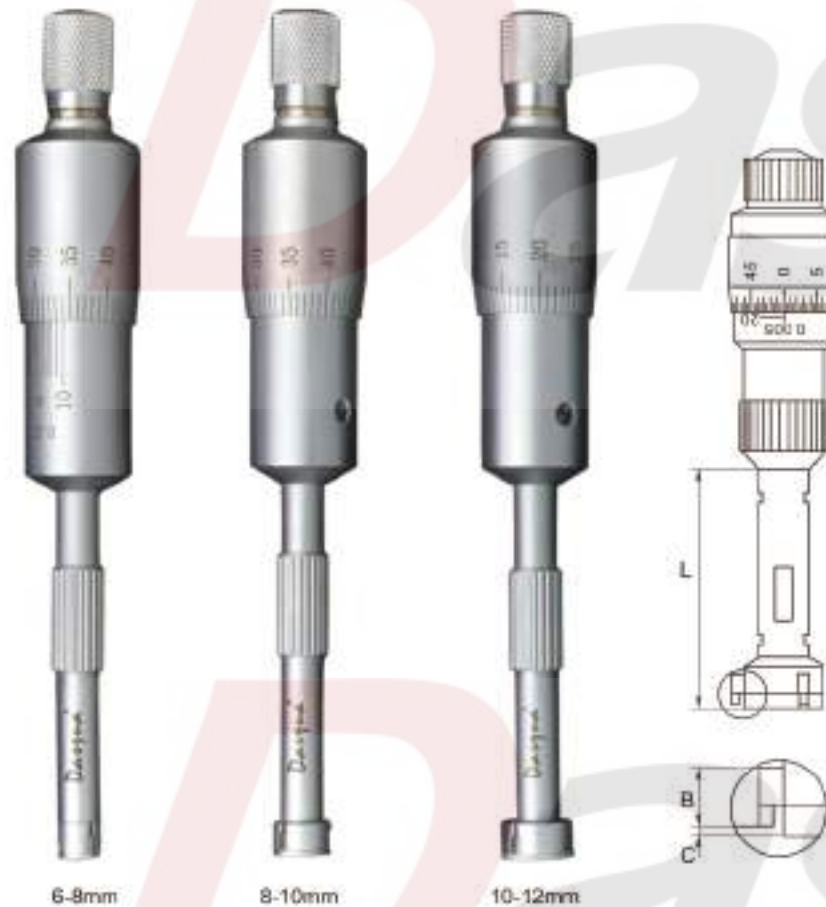
DIN 863

- Strictly made in accordance with DIN863.
- Hard chrome plated.
- No-glare satin finish.
- The combining of extension rods provides a wide measuring range.
- Supplied with a standard gauge for zero setting.
- One standard micrometer head 50-63mm and various extensions, one or more extensions are screwed into the standard micrometer head depending on the desired measuring range.
- Measuring rods hardened, ground and lapped.

Unit:mm

Code	Measuring range	Resolution	Extension Rod	Accuracy
4311-8103	50-63mm	0.01mm	Micrometer head	0.005mm
4311-8106	50-100mm	0.01mm	13mm,25mm	0.007mm
4311-8107	50-150mm	0.01mm	13mm,25mm,50mm	0.009mm
4311-8109	50-300mm	0.01mm	13mm,25mm,50mm(2pcs),100mm	0.014mm
4311-8111	50-500mm	0.01mm	13mm,25mm,50mm(2pcs),100mm,200mm	0.019mm
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"

THREE POINTS INSIDE MICROMETER



®

DIN
863



Unit:mm

Code	Measuring range	Resolution	Setting ring	Extension	L	b	c	Accuracy
4411-5101	6-8mm	0.001mm	6mm	50mm	30	2.5	1	0.004mm
4411-5102	8-10mm	0.001mm	8mm	50mm	30	2.5	1	0.004mm
4411-5103	10-12mm	0.001mm	10mm	50mm	30	2.5	1	0.004mm
4411-5104	12-16mm	0.005mm	16mm	100mm	48	6.3	0.4	0.004mm
4411-5105	16-20mm	0.005mm	16mm	100mm	48	6.3	0.4	0.004mm
4411-5106	20-25mm	0.005mm	25mm	150mm	50	9.2	0.4	0.004mm
4411-5107	25-30mm	0.005mm	25mm	150mm	50	9.2	0.4	0.004mm
4411-5108	30-40mm	0.005mm	30mm	150mm	50	9.2	0.4	0.004mm
4411-5109	40-50mm	0.005mm	40mm	150mm	55	16.5	0.5	0.005mm
4411-5110	50-63mm	0.005mm	50mm	150mm	55	16.5	0.5	0.005mm
4411-5111	62-75mm	0.005mm	62mm	150mm	55	16.5	0.5	0.005mm
4411-5112	75-86mm	0.005mm	87mm	150mm	55	16.5	0.5	0.005mm
4411-5113	87-100mm	0.005mm	87mm	150mm	55	16.5	0.5	0.005mm



• Strictly made in accordance with DIN863



• Hard chrome plated.



• No-glare satin finish.



• The combining of extension rods provides a wide measuring range.

• Supplied with a standard gauge for zero setting.

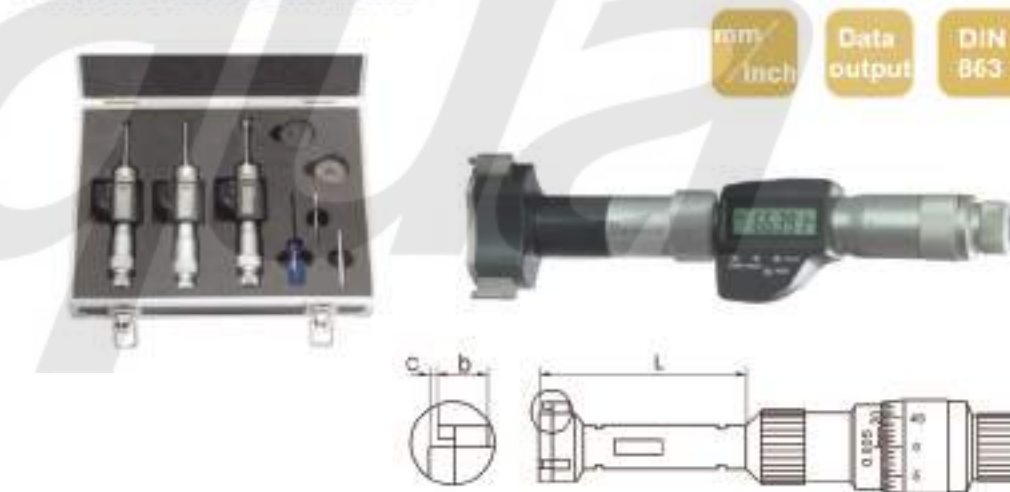
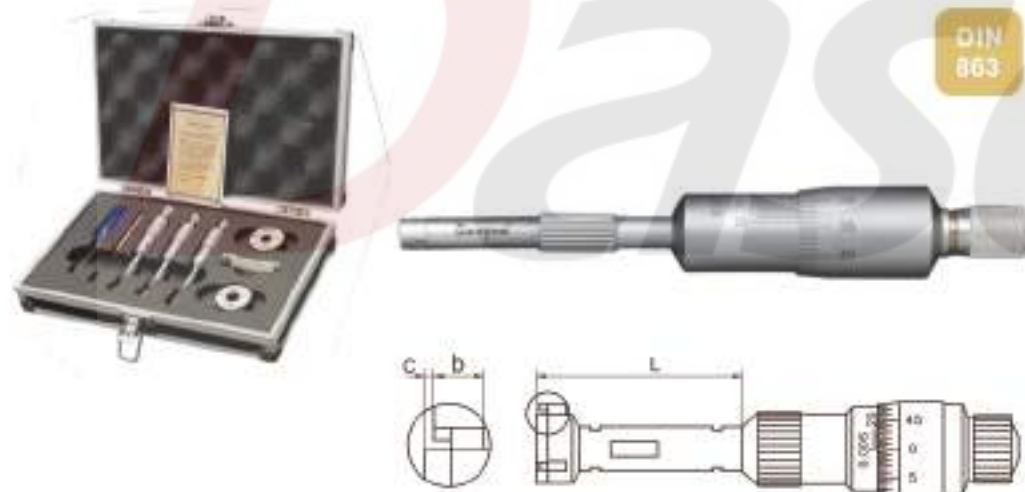
• One standard micrometer head 50-63mm and various extensions, one or more extensions are screwed into the standard micrometer head depending on the desired measuring range.

• Measuring rods hardened, ground and lapped.



THREE POINTS INSIDE MICROMETER SET

DIGITAL THREE POINTS INSIDE MICROMETER SET



- Strictly made in accordance with DIN863.
- Carbide measuring faces.
- Satin chrome-plated scales and operating parts.
- Self-aligning and self-centering.
- Ratchet stop provides uniform measuring pressure and assures highest reading accuracy.
- No-removable anvils.
- Supplied with extension.
- With setting ring gauge.

- Strictly made in accordance with DIN863.
- Direct reading from clear large easy-to-read Digital display.
- Hold function.
- Self-centering micrometer hardened head; from 12mm with carbide measuring jaws.
- Extension available for deep measuring.
- Setting rings included in all sets for adjustment.
- Ratchet stops providing correct contact pressure for accurate reading.

Code	Measuring range	Resolution	Setting ring	Extension	L	b	c	Accuracy
4411-9205	6-12mm	0.001mm	8/10mm	50mm	30	2.5	1	0.004mm
4411-3210	12-20mm	0.005mm	16mm	100mm	48	6.3	0.4	0.004mm
4411-3215	20-50mm	0.005mm	25/40mm	150mm	50	9.2	0.4	0.004mm
4411-3220	50-100mm	0.005mm	62/87mm	150mm	55	16.5	0.5	0.005mm
4412-0205	0.275-0.5"	0.0001"	0.275"/0.35"/0.5"	4"	30	2.5	1	0.00016"
4412-4210	0.5-0.8"	0.0002"	0.65"	6"	48	6.3	0.4	0.00016"
4412-4207	0.8-2"	0.0002"	1"/1.6"	6"	50	9.2	0.4	0.00016"
4412-4208	2-4"	0.0002"	2.5"/3.5"	6"	55	16.5	0.5	0.0002"

Code	Measuring range	Resolution	Setting ring	Extension	L	b	c	Accuracy
4511-9205	6-12mm/0.275-0.5"	0.001mm/0.00005"	8/10mm	100mm	30	2.5	1	0.004mm
4511-3210	12-20mm/0.5-0.8"	0.001mm/0.00005"	16mm	150mm	48	6.3	0.4	0.004mm
4511-3215	20-50mm/0.8-2"	0.001mm/0.00005"	25/40mm	150mm	55	16.5	0.5	0.004mm
4511-3220	50-100mm/2-4"	0.001mm/0.00005"	62/87mm	150mm	50	16.5	0.5	0.005mm

Unit:mm

INDICATOR[®]



- DIAL INDICATORS
- DIAL TEST INDICATORS
- DIGITAL INDICATORS
- DIAL BORE GAUGE
- TELESCOPING GAUGE

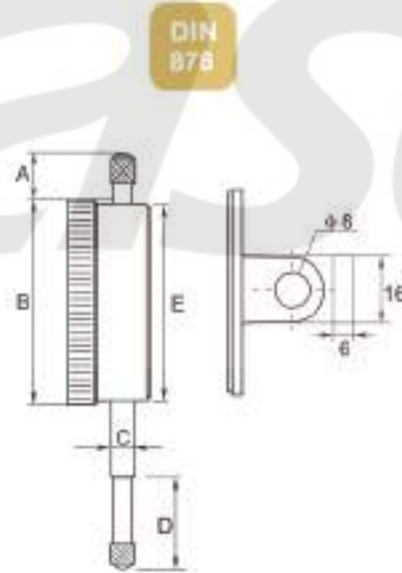




DIAL INDICATOR BASIC MODEL



5111-1000

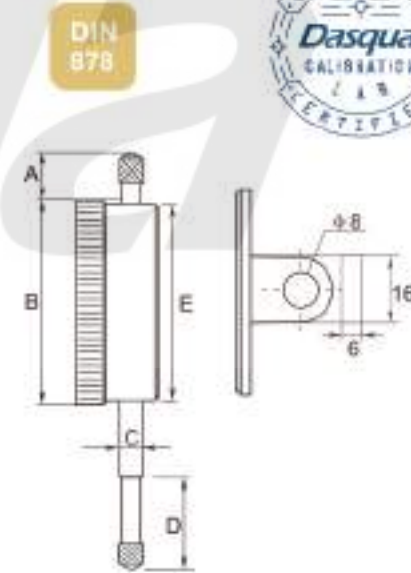


DIN 878

DIAL INDICATOR



5111-1105



DIN 878



- Strictly made in accordance with DIN878
- Casing diameter: 58mm, Shank diameter: 8mm.



- Strictly made in accordance with DIN878
- Casing diameter: 58mm, Shank diameter: 8mm.
- **With Calibration certificate.**

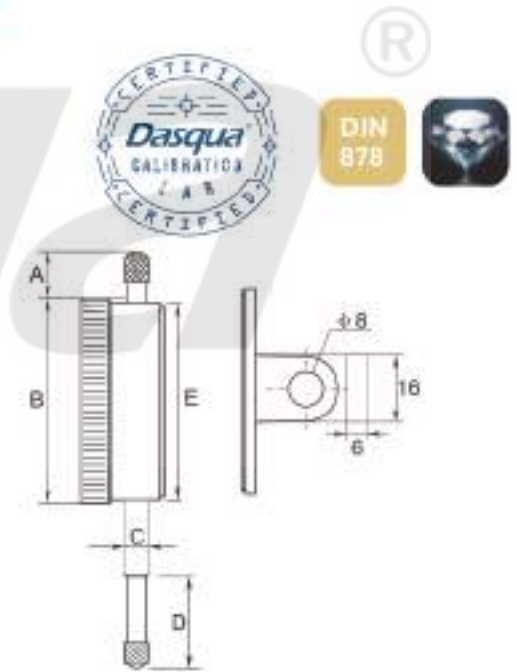
Unit:mm										
Code	Measuring range	Scale divisions	Style	A	B	C	D	E	Accuracy	Hysteresis
5111-1000	0-10mm	0.01mm	flat back	6	57	8	20	55	0.02mm	0.003mm
5111-1005	0-10mm	0.01mm	lug back	6	57	8	20	55	0.02mm	0.003mm

Unit:mm										
Code	Measuring range	Scale divisions	Style	A	B	C	D	E	Accuracy	Hysteresis
5111-1105	0-10mm	0.01mm	flat back	6	57	8	20	55	0.017mm	0.003mm
5111-1205	0-10mm	0.01mm	lug back	6	57	8	20	55	0.017mm	0.003mm

SHOCK RESISTANT DIAL INDICATOR



MINI DIAL INDICATOR



- Strictly made in accordance with DIN878
- Shock-proof
- Jeweled bearing
- Casing diameter: 58mm, Shank diameter: 8mm.
- With Calibration certificate.

Unit:mm

Code	Measuring range	Scale divisions	Style	A	B	C	D	E	Accuracy	Hysteresis
5121-1105	0-10mm	0.01mm	flat back	6	58	8	18	55	0.017mm	0.003mm
5121-1205	0-10mm	0.01mm	lug back	6	58	8	18	55	0.017mm	0.003mm



- Strictly made in accordance with DIN878
- Jeweled bearing
- Casing diameter: 40mm, Shank diameter: 8mm.
- With Calibration certificate.

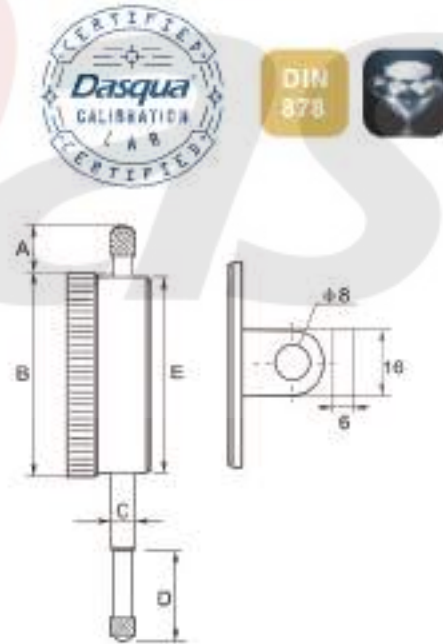
Unit:mm

Code	Measuring range	Scale divisions	Style	A	B	C	D	E	Accuracy	Hysteresis
5121-1101	0-3mm	0.01mm	flat back	6	40	8	12	36	0.012mm	0.003mm
5121-1201	0-3mm	0.01mm	lug back	6	40	8	12	36	0.012mm	0.003mm
5121-1102	0-5mm	0.01mm	flat back	8	40	8	12	36	0.014mm	0.003mm
5121-1202	0-5mm	0.01mm	lug back	8	40	8	12	36	0.014mm	0.003mm

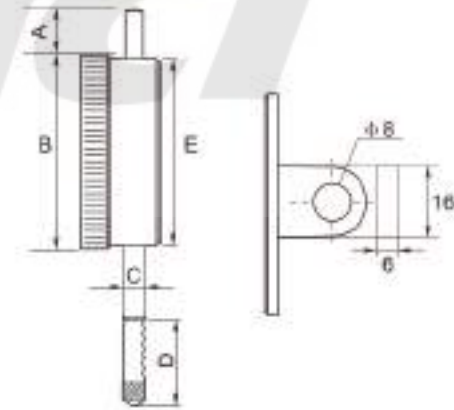


0.001MM PRECISION DIAL INDICATOR

WATER PROOF INDICATOR



DIN 878



DIN 878

SHOCK PROOF

Water proof



- Strictly made in accordance with DIN878
- Jeweled bearing
- Casing diameter: 58mm, Shank diameter: 8mm.
- Satin Chrome plated steel case.
- With Calibration certificate.

Unit:mm

Code	Measuring range	Scale divisions	Style	A	B	C	D	E	Accuracy	Hysteresis
5121-2101	0-1mm	0.001mm	flat back	13	58	8	12	55	0.005mm	0.002mm
5121-2201	0-1mm	0.001mm	lug back	13	58	8	12	55	0.005mm	0.002mm

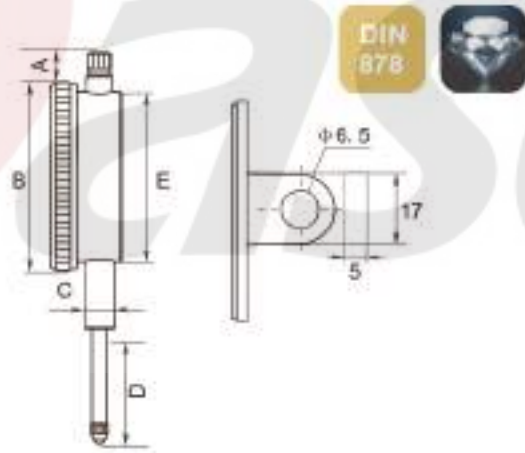


- Strictly made in accordance with DIN878.
- Rubber bellows on stem.
- Hardened gears-lasting protection against indicator failure due to shock or wear.
- O-ring seal on safety cap.
- O-ring protection for bezel and rotating dial.
- Sealed back plate.
- Jeweled bearings provide the lowest possible bearing friction.

Unit:mm

Code	Measuring range	Scale divisions	Style	A	B	C	D	E	Accuracy	Hysteresis	Protection standard
5121-1106	0-10mm	0.01mm	flat back	17	58	8	25	55	0.017mm	0.003mm	IP54
5121-2108	0-1mm	0.001mm	flat back	17	58	8	25	55	0.005mm	0.002mm	IP67 Jeweled
5121-1107	0-10mm	0.01mm	lug back	17	58	8	25	55	0.017mm	0.003mm	IP54
5121-2107	0-1mm	0.001mm	lug back	17	58	8	25	55	0.005mm	0.002mm	IP67 Jeweled

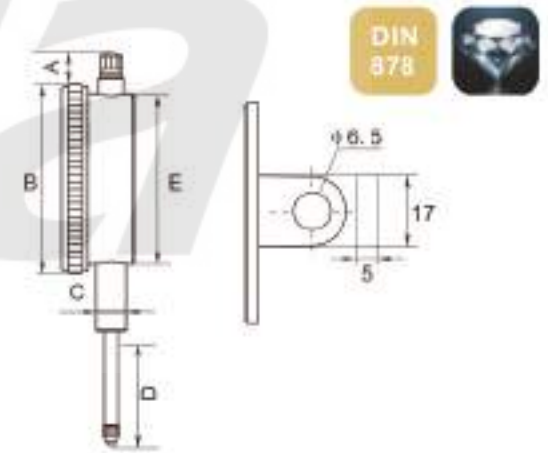
INCH DIAL INDICATOR



DIN 878



LARGE MEASURING RANGE DIAL INDICATOR



DIN 878



- Strictly made in accordance with DIN878.
- Jeweled bearing.
- Casing diameter: 58mm, shank diameter: 8mm.
- Satin chrome-plated steel case.

Unit:mm

Code	Measuring range	Scale divisions	Style	A	B	C	D	E	Accuracy	Hysteresis	Protection standard
5122-4210	0-1"	0.001"	lug back	8.5	58	8	40.9	53.5	0.002"	0.00033"	
5122-4220	0-1"	0.001"	lug back	8.5	58	8	40.9	53.5	0.002"	0.00033"	Jeweled Bearing
5122-4215	0-2"	0.001"	lug back	79.3	58	8	57.7	53.5	0.004"	0.00033"	Jeweled Bearing



- Strictly made in accordance with DIN878.
- Jeweled bearing.
- Casing diameter: 58mm, shank diameter: 8mm.
- Satin chrome-plated steel case.

Unit:mm

Code	Measuring range	Scale divisions	Style	A	B	C	D	E	Accuracy	Hysteresis	Protection standard
5141-1105	0-30mm	0.01mm	flat back	8.5	58	8	40.9	53.5	0.035mm	0.007mm	
5141-2105	0-30mm	0.01mm	lug back	8.5	58	8	40.9	53.5	0.035mm	0.007mm	
5121-1110	0-30mm	0.01mm	flat back	8.5	58	8	40.9	53.5	0.035mm	0.007mm	Jeweled Bearing
5121-1210	0-30mm	0.01mm	lug back	8.5	58	8	40.9	53.5	0.035mm	0.007mm	Jeweled Bearing
5121-1115	0-50mm	0.01mm	flat back	79.3	58	8	57.7	53.5	0.04mm	0.008mm	Jeweled Bearing
5121-1215	0-50mm	0.01mm	lug back	79.3	58	8	57.7	53.5	0.04mm	0.008mm	Jeweled Bearing



DIAL TEST INDICATOR BASIC MODEL



DIN 2270

SHOCK-PROOF

DIAL TEST INDICATOR



DIN 2270

SHOCK-PROOF



- Shock-resistant.
- Clamping shank diameter: 8mm.
- Probe length 13.5mm/0.53".
- With two clamping spigot: $\Phi 4$ mm and $\Phi 6$ mm.
- Clear easy to read.
- Precision gear-driven design with smooth movement.
- Hardened and ground contact point.
- Satin chrome-finish case for durability.



- Shock-resistant.
- Jeweled bearing.
- Clamping shank diameter: 8mm.
- Probe length 13.5mm/0.53".
- With two clamping spigot: $\Phi 4$ mm and $\Phi 6$ mm.
- Clear easy to read.
- Precision gear-driven design with smooth movement.
- Hardened and ground contact point.
- Satin chrome-finish case for durability.



Code	Measuring range	Scale divisions	Casing Diameter	Length of Stylus
5221-0000	0.8mm	0.01mm	37.5mm	16mm
5221-0005	0.8mm	0.01mm	30mm	16mm

Code	Measuring range	Scale divisions	Casing Diameter	Length of Stylus
5221-1129	0.8mm	0.01mm	29	16mm
5221-1140	0.8mm	0.01mm	40	16mm
5221-3105	0.2mm	0.002mm	29	16mm
5222-6105	0.02"	0.0005"	1-1/2"	0.5"

LONG STYLUS DIAL TEST INDICATOR



- Shock-resistant.
- Jeweled bearing.
- Clamping shank diameter: 8mm.
- Probe length 13.5mm±0.53°.
- With two clamping spigot: Ø4mm and Ø8mm.
- Clear easy to read.
- **With Calibration certificate.**
- Precision gear-driven design with smooth movement.
- Hardened and ground contact point.
- Satin chrome-finish case for durability.

Code	Measuring range	Scale divisions	Casing Diameter	Length of Stylus
5221-1205	0.8mm	0.01mm	30mm	42mm
5221-1210	0.8mm	0.01mm	37.5mm	42mm
5221-1215	0.8mm	0.01mm	30mm	32.5mm
5221-1220	0.8mm	0.01mm	37.5mm	32.5mm

BI-DIRECTIONAL TEST INDICATOR



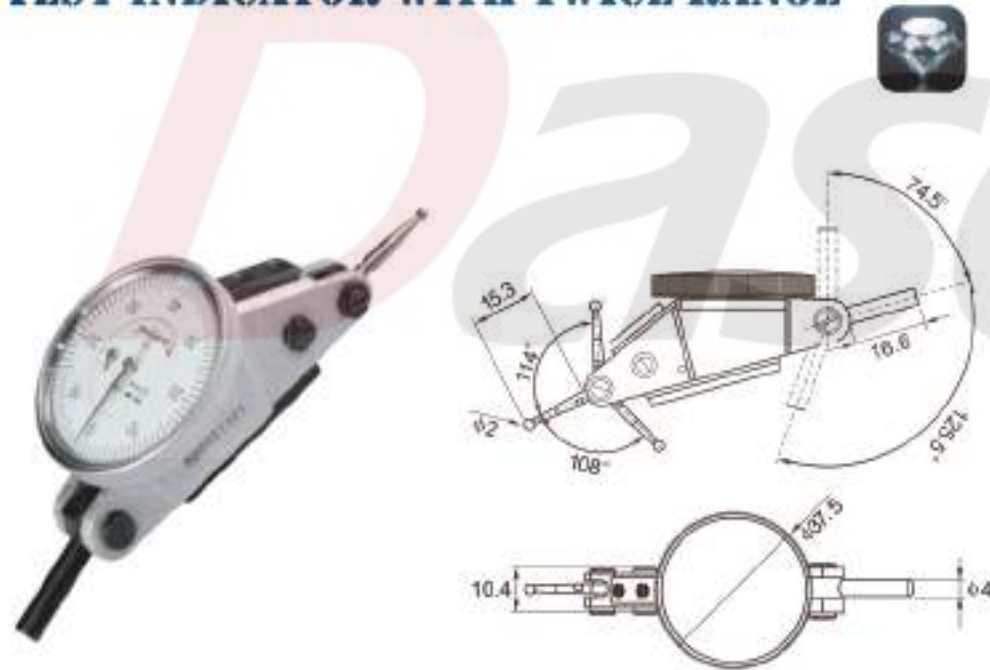
Unit:mm

- High precision contact point.
- Jeweled bearing.
- Auto-reverse.
- Two dovetail clamps.
- Bi-directional constant clockwise rotation.
- With extra contact point 0.04°&0.12°.
- Fitted case.

Code	Measuring range	Resolution	D	L
5222-6103	0-0.03"	0.0005"	φ40	11.96
5222-6106	0-0.02"	0.005"	φ40	33.95
5222-7103	0-0.008"	0.0001"	φ32	11.83
5222-1106	0-5mm	0.01mm	φ32	33.95



TEST INDICATOR WITH TWICE RANGE



DIGITAL TEST INDICATOR



- The only one with twice range in industry!
- Easy-to-read tilted dial.
- With extra contact point 0.04" & 0.12".
- High precision contact point.
- 210° swivel arc.
- Jeweled bearing.
- Automatic reversal.

- Large easy-to-read Digital display.
- True metric/Inch conversion.
- Carbide measuring face.
- Zero setting at any position.
- Packed in fitted case.

Code	Measuring range	Reading	Dial	Dial Reading
5222-8110	0.06"	0.0005"	1-1/2"	0-15-0
5221-1115	1.6mm	0.01mm	25mm	0-40-0

Code	Measuring range	Graduation	A	B	C	D	E	φ	Accuracy
5410-8105	0-0.5mm/0.02"	0.01mm/0.0005"	47.6	40	44.6	13.27	20	2	0.010mm
5410-8110	0-0.8mm/0.03"	0.01mm/0.0005"	47.6	40	44.6	13.27	20	2	0.012mm
5410-9105	0-0.5mm/0.02"	0.001mm/0.0005"	47.6	40	44.6	13.27	20	2	0.008mm

DIGITAL INDICATOR

DIGITAL INDICATOR



- With high-contrast Digital display.
- Class A for electrostatic discharge.
- Direct metric and inch conversion.
- Data output.
- High precision contact point.

- With high-contrast Digital display.
- Class A for electrostatic discharge.
- Direct metric and inch conversion.
- Data output.
- "+" or "-" direction set.
- High precision contact point.

Unit:mm

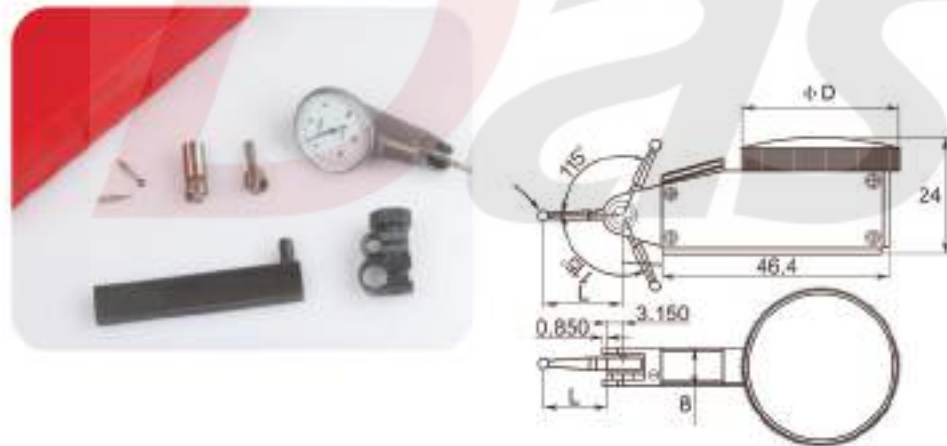
Code	Measuring range	Resolution	L	Accuracy
5130-1105	0-12.7mm/0-1/2"	0.01mm/0.0005"/1/128"	13.8	0.02mm/0.001"
5130-1110	0-25.4mm/0-1"	0.01mm/0.0005"/1/128"	26	0.03mm/0.0015"

Unit:mm

Code	Measuring range	Resolution	L	Accuracy
5330-8105	0-12.7mm/0-1/2"	0.01mm/0.0005"	13.8	0.02mm/0.001"



TEST INDICATOR KIT WITH UNIVERSAL HOLDER



Free Universal Holder!

Unit:mm

Test Indicator:

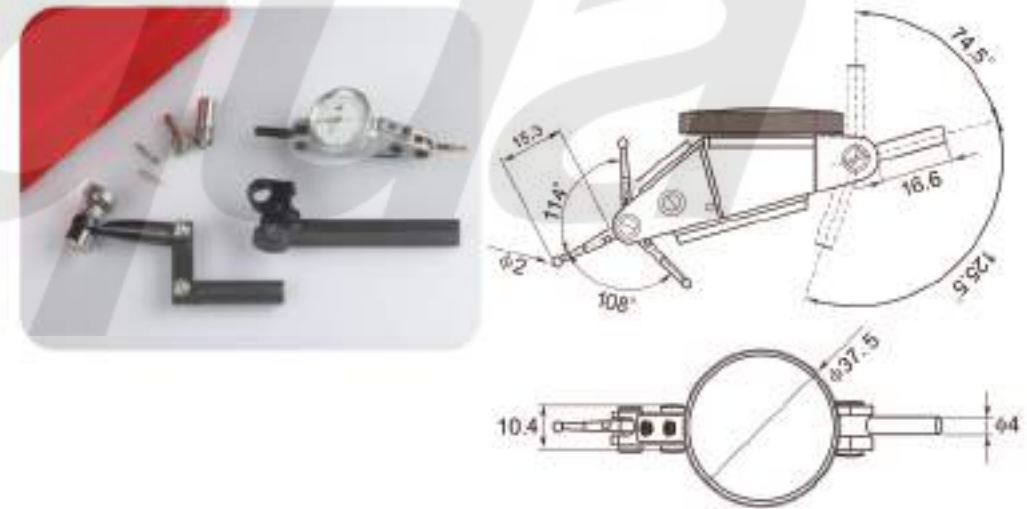
- Auto-reverse.
- Jeweled bearing.
- High precision contact point.

Set Also Includes:

- .080" & .040" contact points.
- Universal clamp.
- Height gage attachment.
- 3/8" & 1/4" dovetail clamps.
- All in a fitted molded case.

Code	Measuring range	Resolution	D	L
5222-6001	0-0.03"	0.0005"	φ32	11.98
5221-1001	0-0.8mm	0.01mm	φ32	12.76

TWICE RANGE DIAL TEST INDICATOR KIT



Twice the range of most test indicators!

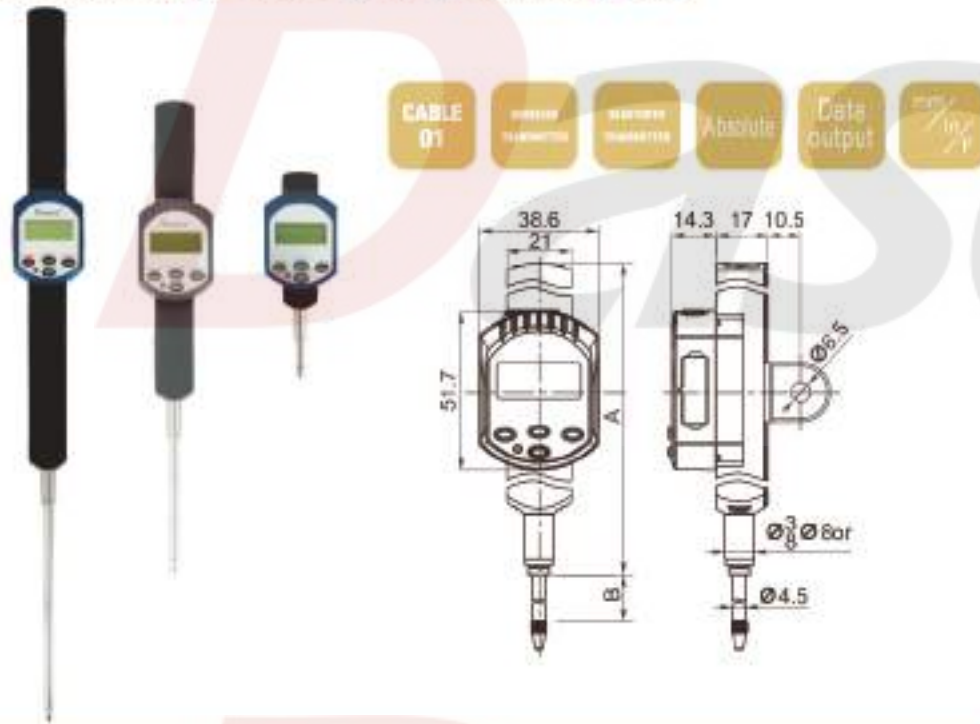
Unit:mm

Each set includes:

- Dial Test Indicator of easy-to-read tilted dial
- Twice range.
- Height gage bar with clamp.
- Adaptor sleeve: 5/32" to 3/8"
- Axial support
- Complete in fitted case.
- With extra contact point 0.04" & 0.12"

Code	Measuring range	Resolution
5222-6002	0-0.06"	0.0005"
5221-1002	0-1.6mm	0.01mm

ABSOLUTE DIGITAL INDICATOR

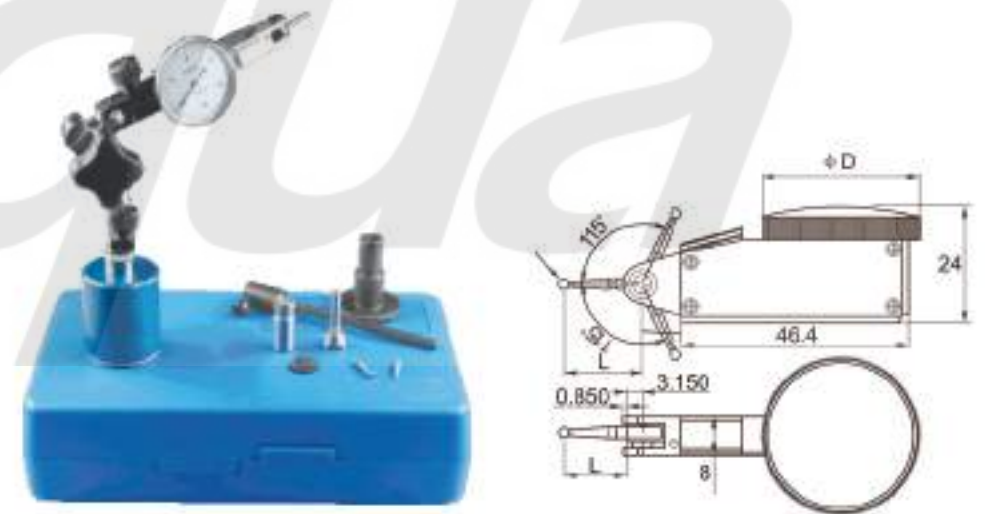


- CABLE 01
- UNIVERSAL TRANSMITTER
- NUMERICAL TRANSMITTER
- Absolute
- Data output
- mm / in / °

- Absolute function.
- Large easy-to-read Digital display.
- Positive, tactile-feel button activation.
- Data out.
- High precision contact point.

Code	Measuring range	Resolution	A	B
5140-1105	0-12.7mm/0-1/2"	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

BI-DIRECTIONAL TEST INDICATOR AND MAG BASE SET

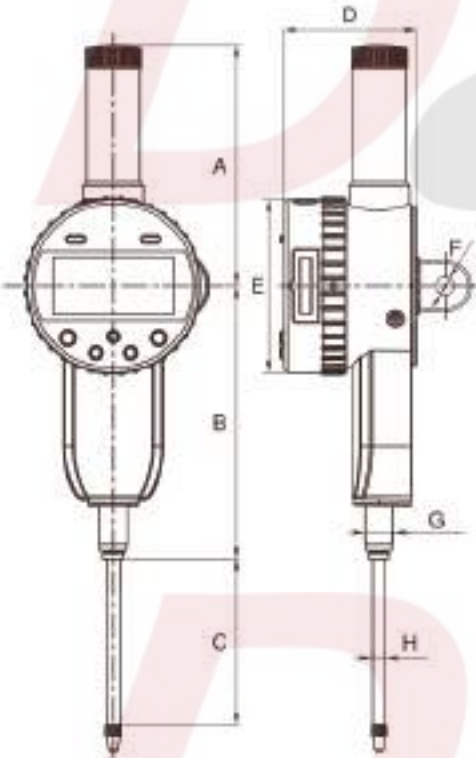


- Virtually unlimited positioning as a Universal base!
- **Test Indicator:**
 - High precision contact point.
 - Jeweled bearing.
 - Auto-reversing.
 - Bi-directional constant clockwise rotation.
 - With extra contact point 0.04" & 0.12".
- **Mag Base:**
 - 3-9/16" extension arm.
 - 2 universal ball sockets.
 - Dovetail mounting.

Code	Measuring range	Resolution	D	L
5222-6000	0-0.03"	0.0005"	32	11.96
5221-1000	0-0.8mm	0.01mm	32	12.76



ABSOLUTE DIGITAL INDICATOR



- CABLE
01
- range
measura
- range
subsets
- Absolute
- Data
output
- mm
in
%

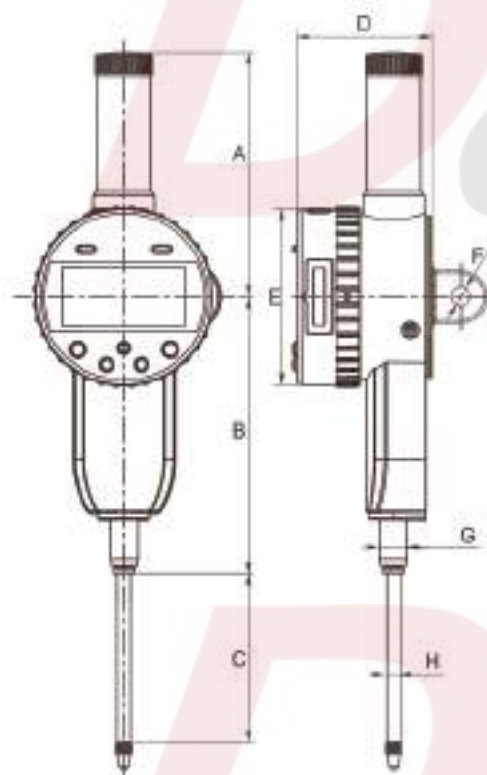


- Absolute function.
- Large easy-to-read Digital display.
- Positive, tactile-feel button activation.
- Data out.
- "+"/"-" direction set.
- High precision contact point.

Unit:mm

Code	Measuring range	Resolution	A	B	C	D	E	F	G	H	Accuracy
5340-8106	0-12.7mm/0-1/2"	0.01mm/0.0005"	60.2	53.8	14.2	40.2	φ60.1	φ6.5	φ8 or φ1/8"	φ4.5	0.01mm/0.0005"
5340-8110	0-25.4mm/0-1"	0.01mm/0.0005"	55.7	68.8	32.7	46.2	φ61.1	φ6.5	φ8 or φ1/8"	φ4.5	0.01mm/0.0005"
5340-8115	0-50.8mm/0-2"	0.01mm/0.0005"	83.7	94.8	57.7	46.1	φ61.1	φ6.5	φ8 or φ1/8"	φ4.5	0.015mm/0.001"
5340-9106	0-12.7mm/0-1/2"	0.001mm/0.00005"	60.2	53.8	14.2	40.2	φ60.1	φ6.5	φ8 or φ1/8"	φ4.5	0.004mm/0.00016"
5340-9110	0-25.4mm/0-1"	0.001mm/0.00005"	55.7	68.8	32.7	46.2	φ61.1	φ6.5	φ8 or φ1/8"	φ4.5	0.004mm/0.00016"
5340-9115	0-50.8mm/0-2"	0.001mm/0.00005"	83.7	94.8	57.7	46.1	φ61.1	φ6.5	φ8 or φ1/8"	φ4.5	0.005mm/0.0002"

BUILT-IN BLUETOOTH ABSOLUTE DIGITEL INDICATOR



- The new generation measuring series with Built-in Bluetooth transmission.
- Absolute function.
- Large easy-to-read Digital display.
- Positive tactile-feel button activation.
- Data output.
- "+" or "-" direction set.
- High precision contact point.

Unit:mm

Code	Measuring range	Resolution	A	B	C	D	E	F	G	H	Accuracy
5610-1106	0-12.7mm/0-1/2"	0.01mm/0.0005"	60.2	53.8	14.2	40.2	φ60.1	φ6.5	φ8 or φ1/8"	φ4.5	0.01mm/0.0005"
5610-1110	0-25.4mm/0-1"	0.01mm/0.0005"	55.7	68.8	32.7	46.2	φ61.1	φ6.5	φ8 or φ1/8"	φ4.5	0.01mm/0.0005"
5610-1115	0-50.8mm/0-2"	0.01mm/0.0005"	83.7	94.8	57.7	48.1	φ61.1	φ6.5	φ8 or φ1/8"	φ4.5	0.015mm/0.001"
5610-4106	0-12.7mm/0-1/2"	0.001mm/0.00005"	60.2	53.8	14.2	40.2	φ60.1	φ6.5	φ8 or φ1/8"	φ4.5	0.004mm/0.00016"
5610-4110	0-25.4mm/0-1"	0.001mm/0.00005"	55.7	68.8	32.7	46.2	φ61.1	φ6.5	φ8 or φ1/8"	φ4.5	0.004mm/0.00016"
5610-4115	0-50.8mm/0-2"	0.001mm/0.00005"	83.7	94.8	57.7	48.1	φ61.1	φ6.5	φ8 or φ1/8"	φ4.5	0.005mm/0.0002"



CENTERING INDICATOR GAUGE

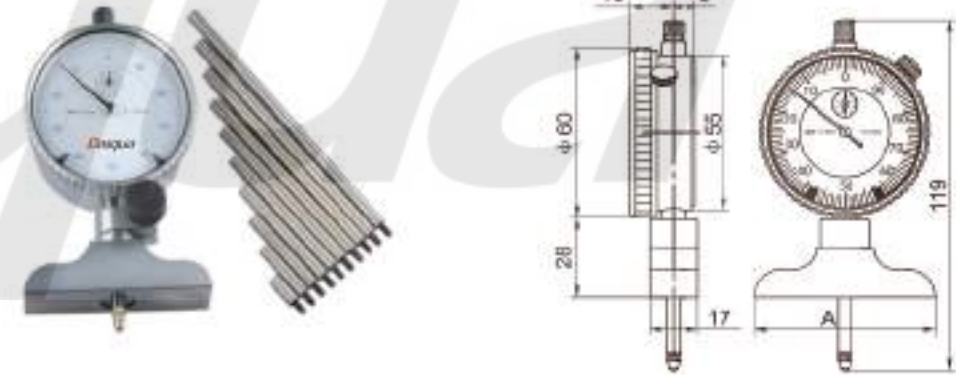


Unit:mm

- Use this indicator to quickly center work pieces or fixtures on your bore and milling set-ups.
- Determining the centres of bores and shafts.
- Sturdy metal housing suitable for workshop.
- Internal or external centering
- Operates at any angle from vertical to horizontal without a change
- 3 internal and 3 external feelers restraining arm.
- Center point feeler.
- The shank is 10mm diameter and 20 mm long.
- The indicator is 180mm long with 45 mm straight feeler.
- Internal diameter is from 4mm to 300 mm.
- External diameter is from 0mm to 300 mm.
- Straight feeler length:45 mm /100mm/154 mm.
- Curved feeler length:46 mm /100 mm /154 mm.
- Center point feeler length:52.5 mm.

Code	Measuring range	Resolution	Accuracy
5711-6100	0-0.15"	0.0005"	0.0008"
5711-1100	0-3mm	0.01mm	0.02mm

DIAL DEPTH GAUGE



Unit:mm

- Hardened base with fine lapped contact surface.
- Great depths can be measured using extension rods of different lengths.
- Dial indicator securely clamped by collet.
- Measuring depth can be read directly.

Code	Measuring range	Scale Division	Base Length	Depth
5822-4100	0-1"	0.001"	2.5"	6"
5821-1100	0-10mm	0.01mm	63.5mm	100mm

PRECISION DIAL BORE GAUGE



4-6mm available.
The smallest measuring range bore gauge in industry!!!



- For close tolerance measurement of holes, taper and roundness
- Carbide anvils; supply with fixed or inserting anvils.
- Extensions and washers for fine adjustment in sizes to select a specific range
- Ergonomic design
- 0,01mm and 0,001mm graduation optional
- New mini size bore gauge is available >4-6mm

Metric				Inch			
Code	Range	Reading	Depth	Code	Range	Reading	Depth
5511-1100	4-6mm	0.01mm	40mm				
5511-1105	6-10mm	0.01mm	40mm	5512-6105	0.24-0.4"	0.0005"	1.57"
5511-1110	10-18mm	0.01mm	100mm	5512-6110	0.4-0.7"	0.0005"	4"
5511-1115	18-35mm	0.01mm	150mm	5512-6115	0.7-1.5"	0.0005"	6"
5511-1120	35-50mm	0.01mm	150mm	5512-6120	1.4-2.4"	0.0005"	6"
5511-1125	50-100mm	0.01mm	150mm	5512-6125	2-4"	0.0005"	6"
5511-1130	50-160mm	0.01mm	150mm	5512-6130	2-6"	0.0005"	6"
5511-1135	160-250mm	0.01mm	400mm	5512-6135	6-10"	0.0005"	16"
5511-1140	250-450mm	0.01mm	400mm	5512-6140	10-16"	0.0005"	16"
5511-2105	6-10mm	0.001mm	40mm	5512-7105	0.24-0.4"	0.0001"	1.57"
5511-2110	10-18mm	0.001mm	100mm	5512-7110	0.4-0.7"	0.0001"	4"
5511-2115	18-35mm	0.001mm	150mm	5512-7115	0.7-1.5"	0.0001"	6"
5511-2120	35-50mm	0.001mm	150mm	5512-7120	1.4-2.4"	0.0001"	6"
5511-2125	50-100mm	0.001mm	150mm	5512-7125	2-4"	0.0001"	6"
5511-2130	50-160mm	0.001mm	150mm	5512-7130	2-6"	0.0001"	6"
5511-2135	160-250mm	0.001mm	250mm	5512-7135	6-10"	0.0001"	16"
5511-2140	250-450mm	0.001mm	250mm	5512-7140	10-16"	0.0001"	16"



DIGITAL DIAL BORE GAUGE



mm
/inch

ABSOLUTE DIGITAL DIAL BORE GAUGE



®

CABLE
01

ABSOLUTE
TRANSMITTER

RELATIVE
TRANSMITTER

Absolute

mm
/inch



- Absolute function.
- Two most popular bore gauge ranges combined in one easy-to-use Digital set in industry and auto-repairing!
- Robust, easy-to-use and suitable for most environments and applications.
- Hardened and ground contact points.
- Lightweight housing for extra length and protection.
- Fast, simple checking of bores for size, taper.
- Metric and inch conversion.
- Thermally insulated for extra stability.

Code	Measuring Range	Resolution	Depth
5610-8105	6-10mm/0.24-0.4"	0.002mm/0.0005"	40mm/1.57"
5610-8110	10-18mm/0.4-0.7"	0.002mm/0.0005"	100mm/4"
5610-8115	18-35mm/0.7-1.5"	0.002mm/0.0005"	125mm/5"
5610-8120	30-58mm/1.4-2.4"	0.002mm/0.0005"	150mm/6"



- Two most popular bore gauge ranges combined in one easy-to-use Digital set in industry and auto-repairing!
- Robust, easy-to-use and suitable for most environments and applications.
- Hardened and ground contact points.
- Lightweight housing for extra length and protection.
- Fast, simple checking of bores for size, taper.
- Metric and inch conversion.
- Thermally insulated for extra stability.

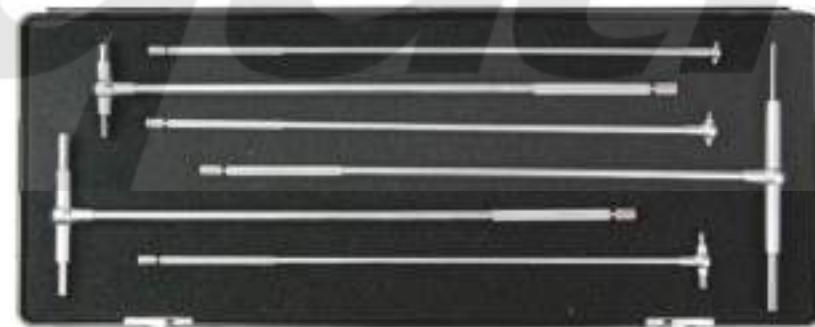
Code	Measuring Range	Resolution	Depth
5210-1105	6-10mm/0.24-0.4"	0.001mm/0.0005"	40mm/1.57"
5210-1110	10-18mm/0.4-0.7"	0.001mm/0.0005"	100mm/4"
5210-1115	18-35mm/0.7-1.5"	0.001mm/0.0005"	125mm/5"
5210-1120	30-58mm/1.4-2.4"	0.001mm/0.0005"	150mm/6"

COMBINED RANGE DIAL BORE GAUGE SET



TELESCOPING GAUGE SET

Long reach up to 300mm/12"



- The biggest measuring range set in industry!
- Two industry popular bore gauge ranges combined in one set.
- Carbide anvils.
- Easy-to-read
- Insulated cover.
- Chrome plated handle.
- Includes extension holder and fitted case.

- Great tool for easy and accurate measurements the true sizes of holes, slots.
- Satin chrome finished.
- Rigid handle with self-centering feature.
- Constant spring tension for uniform feel.
- Contact plunger automatically self-center at all times and in all positions.
- Contact points are hardened and ground providing clearance for insertion into the smallest hole the gage will enter.

Code	Measuring Range	Resolution
5510-0000	1.4-8"	0.0005"
6510-0005	35-160mm	0.01mm

Code	Measuring Range	Depth
5911-0001	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"; 8-12.7mm, 12.7-19mm, 19-32mm, 32-54mm, 54-90mm, 90-152.4mm;	Up to 12"/300mm
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"; 8-12.7mm, 12.7-19mm, 19-32mm, 32-54mm, 54-90mm, 90-152.4mm;	Up to 4"/100mm

HEIGHT GAUGE

MAGNETIC BASE

- HEIGHT GAUGE
- MAGNETIC BASE

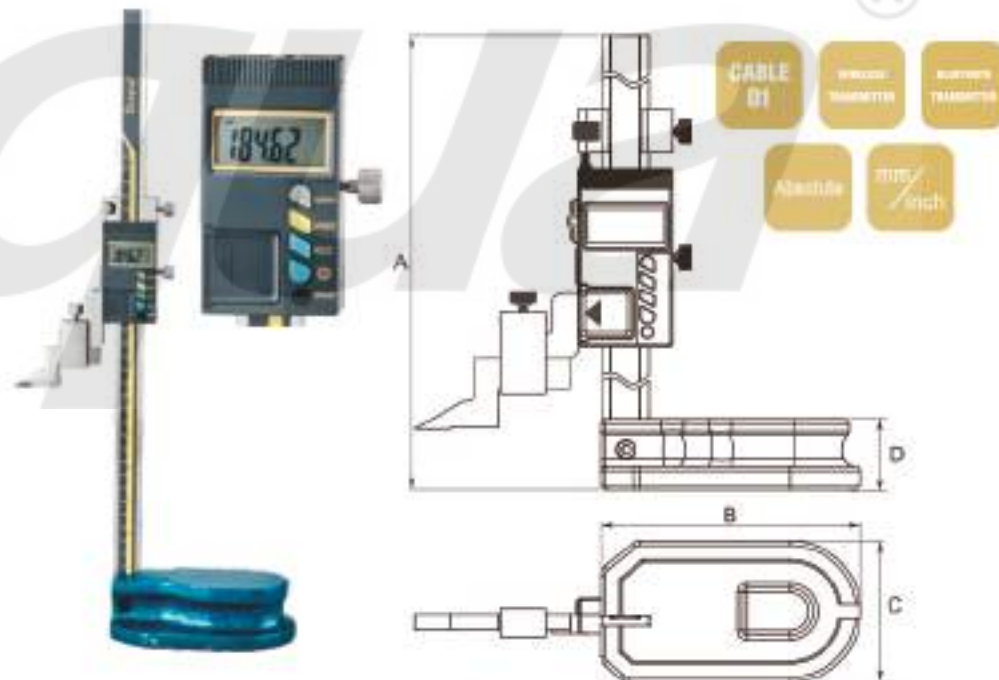




HEIGHT GAUGE WITH MAGNIFYING GLASS



ABSOLUTE DIGITAL HEIGHT GAUGE



- Magnifying glass enlarge the reading.
- Adjustable scale.
- Satin-chrome finish on all scales and plates.
- Beam and slide hardened, ground and lapped.
- Carbide tipped scriber making sharp, clean lines.
- Ultra-smooth fine adjustment mechanisms.
- Base hardened, ground and lapped for maximum flatness.

- Absolute function.
- Direct inch/metric Conversion.
- Large, easy-to-read Digital display.
- Carbide tipped scriber for sharp, clean lines.
- Class A for electrostatic discharge.
- Base hardened, ground and lapped for maximum flatness.
- Zero-setting at any position.

Code	Measuring Range	Graduation
3110-6105	0-300mm/12"	0.02mm/0.001"
3110-6110	0-450mm/18"	0.02mm/0.001"
3110-6115	0-500mm/20"	0.02mm/0.001"
3110-6120	0-600mm/24"	0.02mm/0.001"
3110-6125	0-1000mm/40"	0.02mm/0.001"

Code	Measuring range	Resolution	A	B	C	D	Accuracy	Unit:mm
3130-6105	0-150mm/0-6"	0.01mm/0.0005"	297	110	60	30	0.02mm/0.001"	
3130-6110	0-200mm/0-8"	0.01mm/0.0005"	347	110	60	30	0.03mm/0.0015"	
3130-6115	0-300mm/0-12"	0.01mm/0.0005"	465	137.5	90	45	0.04mm/0.002"	



ABSOLUTE HEAVY DUTY DIGITAL HEIGHT GAUGE



BUILT-IN BLUETOOTH ABSOLUTE HEAVY DUTY DIGITAL HEIGHT GAUGE



- Absolute function.
- Heavy duty main beam and base.
- Direct inch/metric Conversion
- Large, easy-to-read Digital display
- Carbide tipped scriber for sharp, clean lines.
- Class A for electrostatic discharge
- Zero-setting at any position.

- The new generation measuring series with Built-in Bluetooth transmission.
- Absolute function.
- Heavy duty main beam and base.
- Direct inch/metric Conversion
- Large, easy-to-read Digital display
- Carbide tipped scriber for sharp, clean lines.
- Class A for electrostatic discharge
- Zero-setting at any position.

Code	Measuring range	Resolution	Accuracy
3130-8103	0-300mm/0-12"	0.01mm/0.0005"	0.03mm/0.001"
3130-8116	0-600mm/0-24"	0.01mm/0.0005"	0.05mm/0.002"

Code	Measuring range	Resolution	Accuracy
3230-1105	0-300mm/0-12"	0.01mm/0.0005"	0.03mm/0.001"
3230-1110	0-600mm/0-24"	0.01mm/0.0005"	0.05mm/0.002"

DOUBLE BEAM DIGITAL HEIGHT GAUGE WITH ABSOLUTE & BLUETOOTH



DOUBLE-BEAM DIAL HEIGHT GAUGE



- Absolute function.
- Bluetooth function.
- High & Stable accuracy up to 0.025mm.
- Heavy duty for industry use.
- Large easy-to-read Digital display
- Micro-adjustable wheel
- Zero-setting at any position.
- Double stainless beams assure high accuracy.
- Base is hardened, ground and lapped for maximum flatness.
- Carbide tipped scribe for sharp, clean lines.

Code	Measuring range	Resolution
3230-8120	0-300mm/0-12"	0.01mm/0.0005"
3230-8125	0-500mm/0-20"	0.01mm/0.0005"
3230-8130	0-600mm/0-24"	0.01mm/0.0005"

- Large easy-to-read Digital display.
- Double stainless beams assure high accuracy.
- Zero-setting can be obtained throughout the gauge's range.
- Separate counters register both upward & downward travel.
- Hardened, stainless steel bar for long life.
- Carbide tipped scribe for sharp, clean lines.
- Base is hardened, ground and lapped for maximum flatness.

Code	Measuring range	Resolution	Counter Graduation
3221-1105	0-300mm	0.01mm	1mm
3221-1110	0-500mm	0.01mm	1mm
3221-1115	0-600mm	0.01mm	1mm
3222-4205	0-12"	0.001"	0.1"
3222-4210	0-20"	0.001"	0.1"
3222-4215	0-24"	0.001"	0.1"



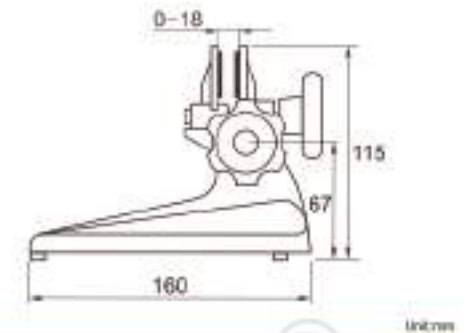
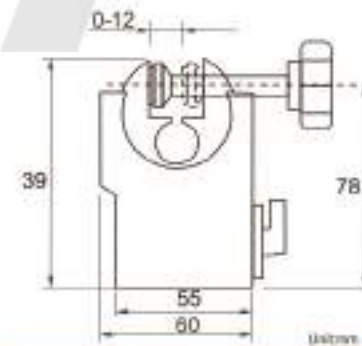
DOUBLE BEAM DIGITAL HEIGHT GAUGE



- Heavy duty for industry use.
- Large easy-to-read Digital display
- Micro-adjustable wheel
- Zero-setting at any position.
- Double stainless beams assure high accuracy
- Base is hardened, ground and lapped for maximum flatness.
- Carbide tipped scriber for sharp, clean lines.

Code	Measuring range	Resolution
3230-8105	0-300mm/0-12"	0.01mm/0.0005"
3230-8110	0-500mm/0-20"	0.01mm/0.0005"
3230-8115	0-600mm/0-24"	0.01mm/0.0005"

MIRCOMETER STAND



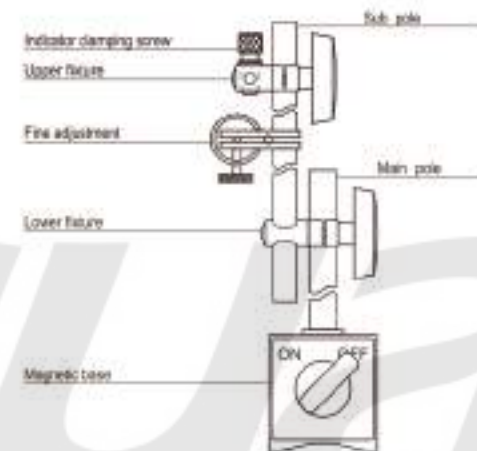
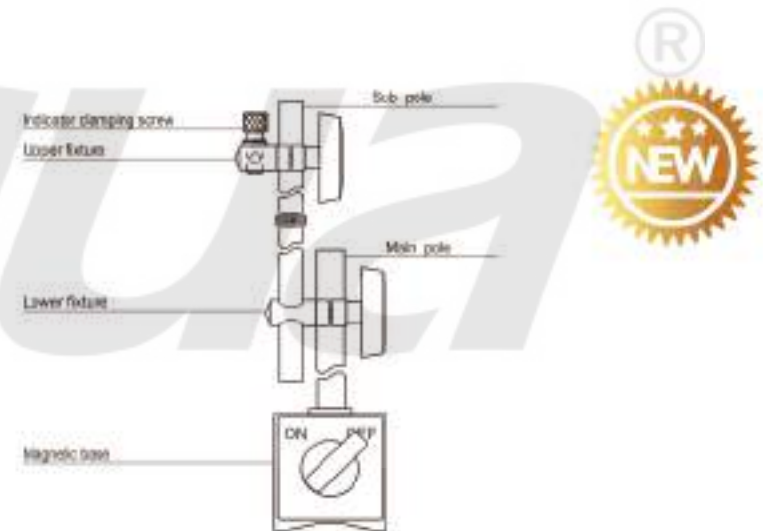
- Holds standard micrometers up to 300mm/12" firmly to metal surfaces.
- Use at machine centers, work, assembly and inspection stations, steel shelves and tables.
- Magnetic base with on/off switch.
- Clamp can be vertically rotated and locked.
- V-bottom for mounting on cylindrical surfaces.
- Blue enamel finish.

Code	Holding Power	Base	Main stem	Branch stem	Dia. of Clam Hole	Weight
7122-0020	80kg	60x50x55mm	φ12x220mm	φ10x165mm	3/8" & 5/32" 8mm	1.6kg

MAGNETIC BASE



-  High reliable quality.
-  V-grooved base for ease of mount on cylindrical parts also.
-  Chrome plate rods.
-  Horizontal or vertical positioning capability.
-  Black wrinker finish on non-working surfaces.
-  Fine quality permanent magnet.
-  Horizontal or vertical positioning capability.
-  Smooth and easy on/off switch.



Code	Holding Power	Base	Main Pole	Sub Pole	Dia. of Clam Hole	Weight	Fine Adjustment Optional
7700-0005	80kg	58x50x55mm	φ12x177mm	φ10x165mm	6.0/8.0mm	1.6kg	Without Fine Adjustment
7122-0004	60kg	60x50x55mm	φ12x176mm	φ10x150mm	6.0/8.0mm	1.5kg	With Fine Adjustment
7122-0005	80kg	60x50x55mm	φ12x176mm	φ10x150mm	6.0/8.0mm	1.5kg	With Fine Adjustment
7122-0010	100kg	73x50x55mm	φ16x255mm	φ14x185mm	6.0/8.0mm	2.3kg	With Fine Adjustment
7122-0015	130kg	117x50x55mm	φ20x355mm	φ14x210mm	6.0/8.0mm	3.7kg	With Fine Adjustment

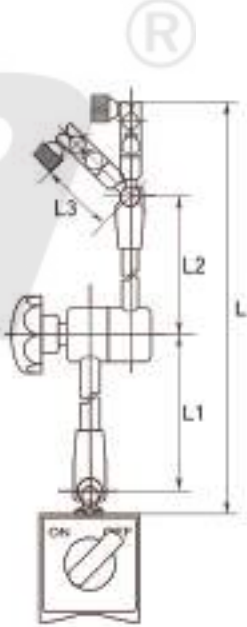
UNIVERSAL MAGNETIC BASE



- Can be set up in almost unlimited ways.
- Fine adjustment.
- V-grooved base for ease of mount on cylindrical parts also.
- Chrome plate rods.
- Horizontal or vertical positioning capability.
- Black wrinker finish on non-working surfaces.
- High quality permanent magnet.
- Smooth and easy on/off switch.

Code	Holding Power
7122-0320	60KG

HYDRAULIC MAGNETIC BASE



- Mechanical central locking of all joints.
- Special structure ensures high pressure.
- Oil hydraulics protected against oil leakage by double seals.
- 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.

Code	Holding Power	Base	Arm L1	Arm L2	Arm L3	Arm L	Dia. of Clam Hole	Weight
7412-0005	80kg	60x50x55mm	120mm	116mm	70mm	337mm	6.0/8.0/Develtail	1.7kg

UNIVERSAL MAGNETIC BASE WITH NEW DESIGN FINE ADJUSTMENT



7122-0025

7122-0030

7122-0035

MAGNETIC BASE WITH MECHANICAL 3-D JOINTED ARMS



- Mechanical central locking of all joints.
- Special structure ensures high pressure.
- Oil hydraulics protected against oil leakage by double seals.
- 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.

- Ball joints enable quick and easy positioning.
- Continuously adjustable clamping force with high stability.
- All pivots are controlled by one tightening knob.
- Mechanical 3-D jointed arms with central locking.
- All the three joints are clamped in a single action.
- V-grooved base for ease of mount on cylindrical parts also.
- Smooth and easy on/off switch.

Code	Holding Power	Base	Tapped Hole	L1	L2	L3	Weight
7712-0025	30KG	36x30x35mm	M5x0.8	73	56	37	0.5kg
7712-0030	80KG	60x50x55mm	M8x1.25	128	106	37	1.4kg
7710-0038	100KG	74x50x55	M8x1.25	174	136	37	1.8kg

Code	Holding Power	Base	Arm Length	L1	L2	L3	Dia. of Clam Hole	Weight
7312-0005	30kg	35x30x35kg	158mm	56mm	51mm	17mm	6.0/8.0/Devotail	0.4kg
7312-0010	80kg	60x50x55mm	310mm	110mm	101mm	73mm	6.0/8.0/Devotail	1.4kg
7312-0015	100kg	73x50x55mm	385mm	147mm	130mm	76mm	6.0/8.0/Devotail	1.8kg
7312-0020	130kg	117x50x55mm	635mm	285mm	225mm	76mm	6.0/8.0/Devotail	5.0kg

MINI MAGNETIC HOLDER

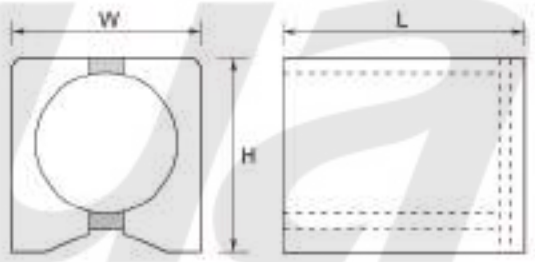
MAGNETIC BASE



7521-0005

7521-0010 V-groove

7511-0005



-  Smaller shape ensure easy and fast fixing to the machine and vices.
-  Light metal with laminated permanent magnets.
-  Low height enables fast, safe and easy mount on machines and jigs.
-  Black enamel finish.

- Smaller shape ensure easy and fast fixing to the machine and vices.
- Light metal with laminated permanent magnets.
- Low height enables fast, safe and easy mount on machines and jigs.
- Black enamel finish.

-  Smooth switch on/off.
-  V-base for placing on round surfaces also.
-  Black wrinkle finish on non-working surfaces.
-  High quality permanent magnet.

- Smooth switch on/off.
- V-base for placing on round surfaces also.
- Black wrinkle finish on non-working surfaces.
- High quality permanent magnet.

Code	Holding Power	Base	Stem	Dia. of Clam Hole	Weight
7511-0005	15kg	φ30x25mm	65mm	8.0/8.0/Devotail	200g
7521-0005	20kg	73x37x12mm	/	8.0	160g
7521-0010	20kg	73x37x26mm	/	8.0	300g

Code	Holding Power	Size(LxWxH)	Thread	Magnet Type	Weight
7000-0005	80kg	60x50x55mm	M8x1.25	Ferrite	1.0kg
7000-0010	100kg	73x50x55mm	M8x1.25	Ferrite	1.3kg
7000-0015	130kg	117x50x55mm	M8x1.25	Ferrite	2.0kg
7000-0020	30kg	35x30x35mm	M5x0.8	NdFeB	0.2kg

SURFACE GAUGE WITH SWITCHABLE MAGNETIC BASE



FLEX CHROME MAGNETIC BASE WITH DIAL INDICATOR SET



- Combine the surface gage and magnetic base.
- Set includes permanent magnetic base with on/off switch, fine adjustment on base and a 5/16"x9" rod.
- Two dovetail stems: 5/32" & 3/8".
- Swivel clamp to mount indicator.
- Hardened scriber.
- Fine adjustment on base.



Flex Arm Mag Base features:

- Corrosion resistant chrome plated flexible arm.
- 60KG power.
- Holds rigidly in universal.
- V-base for mounting on rounded surfaces also.
- Protective coating base.



Indicator Features:

- Satin chrome-finish housing for durability.
- High precision contact point.



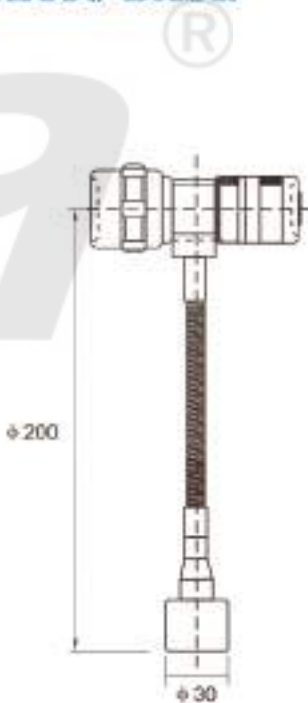
Code	Holding Power
7123-0005	90KG

Code	Holding Power	Range	Graduation
7611-2005	60KG	0-1"	0.001"
7611-1005	60KG	0-10mm	0.01mm

FLEX CHROME MAGNETIC BASE WITH DIGITAL INDICATOR SET



MINI LED LIGHT WITH MAGNETIC BASE



Flex Arm Mag Base Features:

- Corrosion resistant chrome plated flexible arm.
- 60KG power.
- Holds rigidly in universal.
- V-base for mounting on rounded surfaces also.
- Protective coating base.
- Indicator Features:
- Absolute function.
- High precision contact point.
- Metric and inch conversion.

- Great for auto-preparing work.
- Powerful, low-profile magnetic base.
- Slim, articulating flex bar allows easy and accurate positioning.
- Lens "Zoom" for concentrated lighting.
- Quick release mounting bracket clamp.
- 3 light settings, low, bright and strobe.

Code	Holding Power	Range	Graduation
7611-0010	60KG	0-1 1/25mm	0.0005"/0.01mm

Code
7611-0020

MAGNETIC BASE WITH IP54 DIAL INDICATOR SET



DISC AND ROTOR FLEX CHROME KITS SET



- Strictly made in accordance with DIN863.
- Table hardened, ground and lapped.
- Sturdy dial indicator holder.
- Precise ground steel measuring table.
- Strong cast iron base.
- Quick positioning and adjustment.

- Great for auto-preparing work.
- Checks bell joint wear and disc rotor runout.
- Checks tire and wheel runout, gear backlash, valve guide wear, etc.
- Corrosion resistant.
- Chrome plated flex arm.
- Indicator features 0-1" travel and 0.001" graduation.

Code	Contents
7611-1010	Magnetic base 80KG + IP54 Water Proof Indicator 0-10mm*0.01mm/Flat back

Code	Measuring Range	Scale Divisions
7611-0025	0-1"	0.001"
7611-0030	0-10mm	0.01mm

PRECISION MEASURING TABLE WITH CAST IRON BASE

UNIVERSAL PRECISION MEASURING TABLE WITH GRANITE BASE



7712-0005



7712-0010/0015

DIN 876



7812-0005



7912-0005/0010



7912-0015/0020

DIN 876

-  Great for auto-preparing work.
-  Checks ball joint wear and disc rotor runout.
-  Checks tire and wheel runout, gear backlash, valve guide wear, etc.
-  Corrosion resistant.
-  Chrome plated flex arm.
-  Indicator features 0-1" travel and 0.001" graduation.

- Great for auto-preparing work.
- Checks ball joint wear and disc rotor runout.
- Checks tire and wheel runout, gear backlash, valve guide wear, etc.
- Corrosion resistant.
- Chrome plated flex arm.
- Indicator features 0-1" travel and 0.001" graduation.

-  Precise ground granite base.
-  Extremely rugged and universally adjustable to any position, these gauges are well suited for inspection, layout.
-  Checking and lineup operations anywhere in the shop.
-  All settings are individually made without disturbing others.
-  These versatile stands allow the indicator to be positioned at any height within the capacity of the upright base post.
-  360° both horizontally and vertically.

- Precise ground granite base.
- Extremely rugged and universally adjustable to any position, these gauges are well suited for inspection, layout.
- Checking and lineup operations anywhere in the shop.
- All settings are individually made without disturbing others.
- These versatile stands allow the indicator to be positioned at any height within the capacity of the upright base post.
- 360° both horizontally and vertically.

Code	Base	Pole
7712-0005	φ50mm	φ20x170mm
7712-0010	80x80mm	φ25x180mm
7712-0015	115x97mm	main pole φ27.5x260mm sub pole φ20x150mm

Code	Base Dimension	Code	Base Dimension	for Stem of Indicator
7812-0005	150*100mm	7912-0005	260*140mm	Dia. 8mm and 3/8"
7812-0010	260*140mm	7912-0010	300*200mm	Dia. 8mm and 3/8"
		7912-0015	260*140mm	Dia. 8mm
		7912-0020	300*200mm	Dia. 8mm

PROTRACTOR[®] SQUARE

- PROTRACTOR
- DIGITAL PROTRACTOR
- SQUARE
- PARALLEL SET
- LEVEL





NEW INDUSTRIAL DIGITAL PROTRACTOR

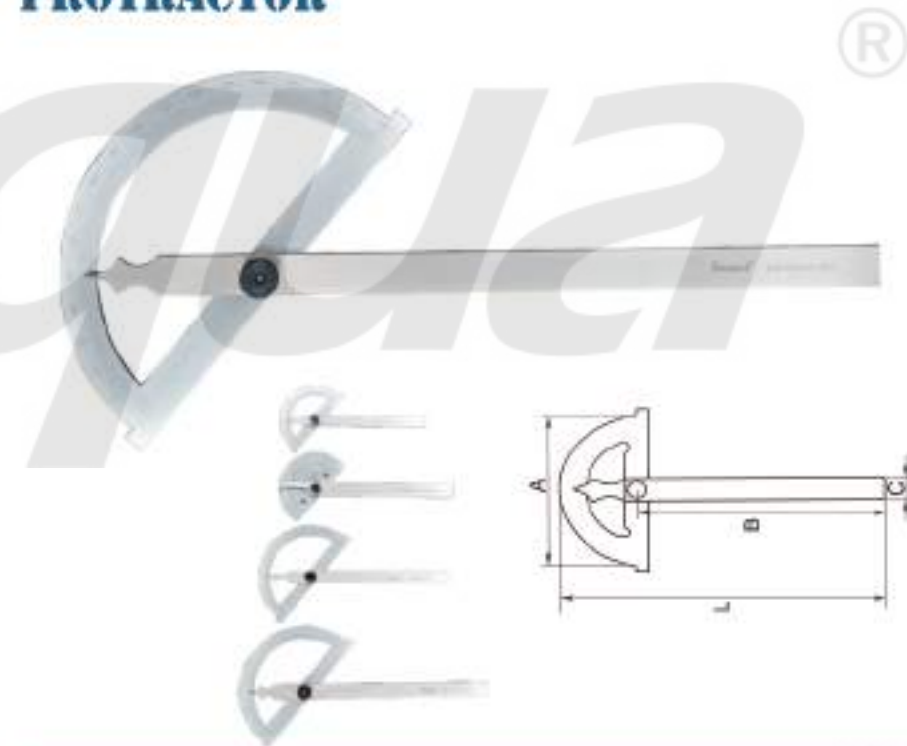


Unit:mm

- This is the first one in industry of Digital protractor.
- Graduated arc and measuring arm are made of stainless steel. All measuring edges are lapped.
- The movable measuring arm can be clamped with a knurled screw.
- Measuring range: 180°.
- Accuracy: 0,3°.
- Retaining function: measurement value can be fixed in any position by pressing the HOLD/Rev.-key (1x quickly press).

Code	Measuring range	Graduation	Diameter of Protractor	Length of Blade	L	L1	R	R1	Accuracy
1022-1005	120x150mm	0.05°	132mm	181.5mm	132	181.5	8	/	±15'
1022-1010	150x200mm	0.05°	156mm	211.5mm	158	211.5	75	60	±15'
1022-1015	200x300mm	0.05°	221mm	311.5mm	221	311.5	98	78	±15'

PROTRACTOR



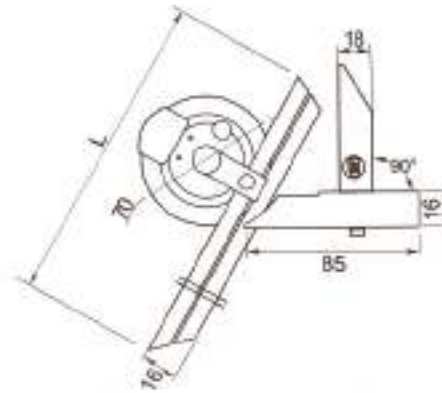
Unit:mm

- Useful and accurate tool for setting bevels, transferring angles, small squaring tasks.
- Blade secured firmly at any angle by a lock joint and knurled out.
- Satin chrome finish for easy reading and resistance to rust.
- Hardened stainless steel.

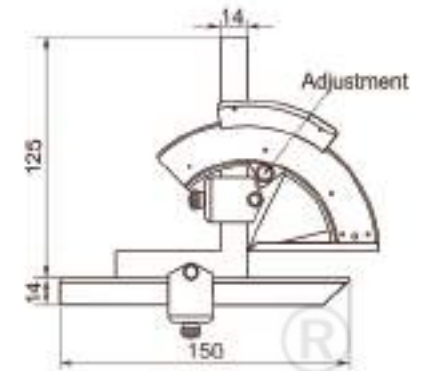
Code	Size(AxB)	L	C
1011-1005	85x150mm	199	15
1012-1005	80x120mm	188	11
1012-1010	120x150mm	220	14
1012-1020	150x200mm	285	18
1012-1030	200x300mm	413	20

UNIVERSAL BEVEL PROTRACTOR WITH FINE ADJUSTMENT

UNIVERSAL PROTRACTOR



Unit:mm



Unit:mm



- Solid stainless steel.
- With fine adjustment.
- All measuring faces are hardened, ground and lapped.
- Satin chrome plated scale.



- Clear graduations and numbering of the scale disc 4x90°.
- Vernier and scale disc are on a common plane thus guaranteeing error-free parallax-free reading.
- With magnifying glass for easier and faster reading.
- Measuring disc anti-glare chrome-plated.
- With additional angle plate.
- The adjustment of the base plate is 4x90°.
- Hardened measuring edge.
- With fine setting by knurled screw.



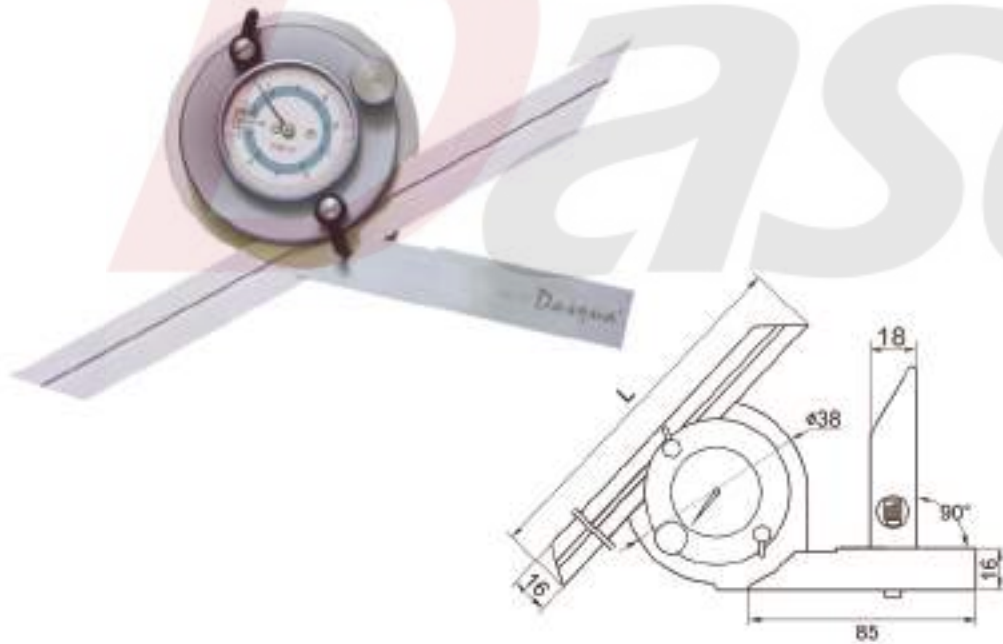
Code	Measuring range	Resolution	L	Accuracy
1031-2005	0-360°	5'	150/200/300mm	±5'

Code	Measuring range	Reading	Accuracy
1012-1005	0-320°	2'	±2'

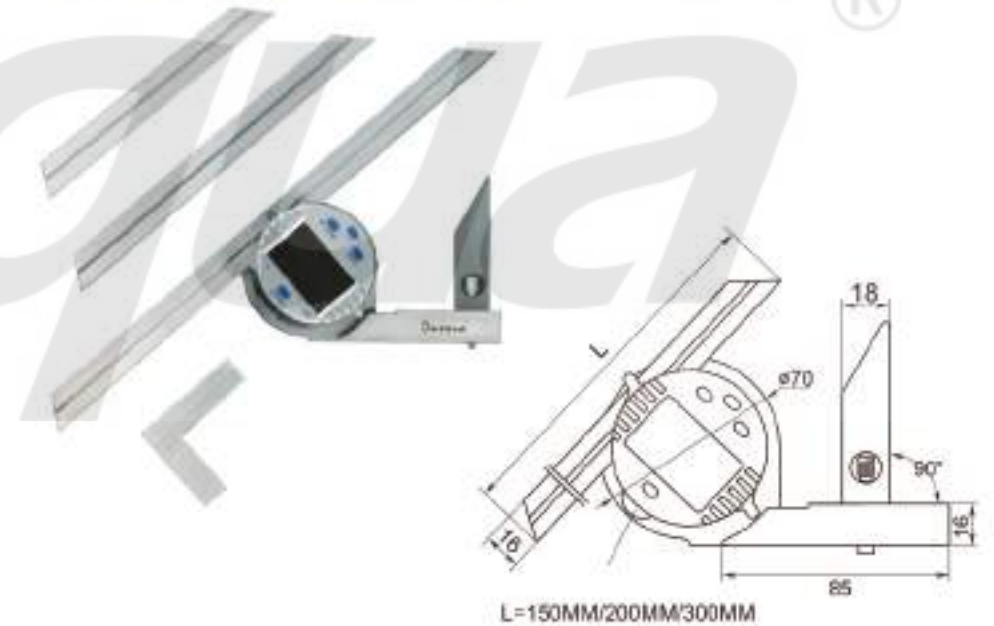


UNIVERSAL DIAL PROTRACTOR

UNIVERSAL DIGITAL PROTRACTOR



Unit:mm



L=150MM/200MM/300MM

Unit:mm



- Clean graduation.
- Made of stainless steel, with fine adjustment.
- Indicator pointer shows each degree.
- Satin chrome finished.
- Packed in fitted box.



- High contrast display.
- All measuring face are hardened, ground and lapped.
- Hardened stainless steel.
- With fine adjustment.
- Dual reading Digital display arc minutes/decimal degrees.

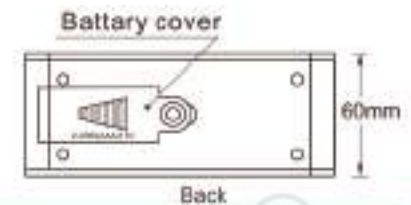
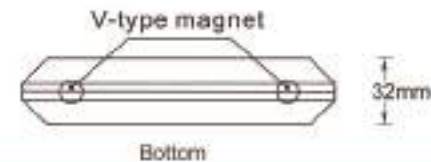
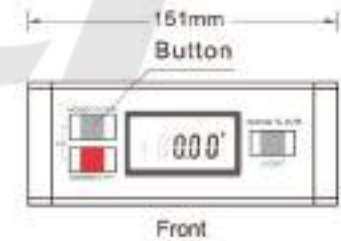
Code	Measuring range	Reading	L	Accuracy
1031-2010	0-360°	5'	150/200/300mm	±5'

Code	Measuring range	Reading	L	Accuracy
1021-2005	0-360°	1'	150/200/300mm	±5'

DIGITAL SLIDING T-BEVEL GAUGE & DIGITAL PROTRACTOR IN ONE



DIGITAL PROTRACTOR



- High contrast display.
- All measuring face are hardened, ground and lapped.
- Hardened stainless steel.
- With fine adjustment.
- Dual reading Digital display arc minutes/decimal degrees.



- This newest digital gadget features with protractor, angle, finder and level in one measuring tool.
- Great tool for automotive, wood & mechanical industries, machinery, medical fields and etc.
- The V groove base with strong magnets enables strong attachment over a curve or cylindrical magnetic surfaces such as metal pipeline or shafts.

Code	Measuring range	Resolution	Blade	Accuracy
1801-2005	0-360°	0.05°	200mm	±0.3°

Code	Range	Resolution	Accuracy
8400-0005	4X90°	0.1°	0°-90°: ±0.05° Rest of angle: ±0.15°



MASTER PRECISION LEVEL

DIN
877

SQUARE PRECISION LEVEL

DIN
877

- Strictly made in accordance with DIN877.
- Stabilized cast iron base.
- Maximum clarity of the bubbles.
- Flat plus vee bearing surfaces.
- Heat insulating top plate with glass.
- Exceptional resistance to shock.
- With insulated handles on the housing and protective glass over the vials.
- Graduation 0.02 optional.

Code	Measuring Range	Graduation
8301-0005	150mm	0.05mm
8301-0010	200mm	0.05mm
8301-0015	250mm	0.05mm
8301-0020	300mm	0.05mm
8302-0005	6"	0.005"
8302-0010	8"	0.005"
8302-0015	10"	0.005"
8302-0020	12"	0.005"

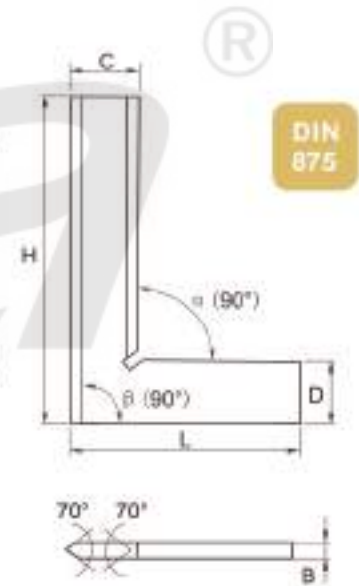
- Strictly made in accordance with DIN877.
- Stabilized cast iron base.
- Maximum clarity of the bubbles.
- Flat plus vee bearing surfaces.
- Heat insulating top plate with glass.
- Exceptional resistance to shock.
- With insulated handles on the housing and protective glass over the vials.
- Graduation 0.02 optional.

Code	Measuring Range	Graduation
8301-0003	150*150mm	0.05mm
8301-0006	200*200mm	0.05mm
8301-0009	250*250mm	0.05mm
8301-0013	300*300mm	0.05mm
8302-0003	6*6"	0.005"
8302-0006	8*8"	0.005"
8302-0009	10*10"	0.005"
8302-0013	12*12"	0.005"

DIGITAL ANGLE GAUGE WITH FLIP-OUT DISPLAY



90° BEVELED EDGE SQUARE



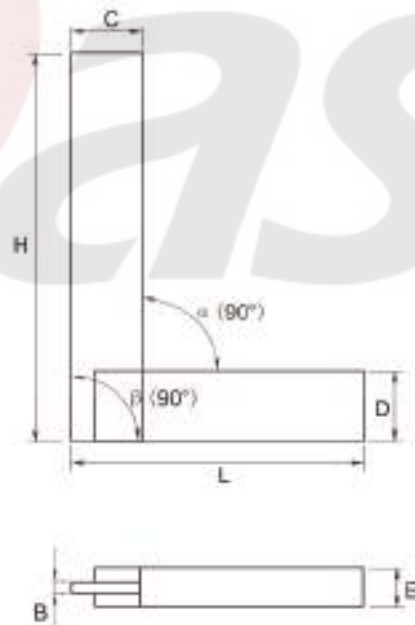
- With flip-out tilting display.
- Ultra-precise magnetic gauge sets the angle of saw blades, jointer fences, bandsaw tables and drill press tables.
- Measures both Absolute level and relative bevel with reading that are always visible.
- V-groove in base for round objects like pipe and drill bits
- 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"

- Strictly made in accordance with DIN875.
- Made of hardened stainless steel.
- Have true right angles both inside and outside.
- Satin chrome finished.
- Beams and blades ground and lapped for straightness and parallelism.
- Grade "008 & 1" optional.
- Beam grooved at inner corner for clearance of burrs and dirt.

Code	Standard	Size(HxL)	Angle Tolerance	C	D	B
9111-1102	DIN875/0	25x20mm	0.006mm	4.5	6.25	3.5
9111-1104	DIN875/0	40x26mm	0.006mm	4.5	6.25	3.5
9111-1105	DIN875/0	50x40mm	0.006mm	13	13	4
9111-1110	DIN875/0	75x50mm	0.007mm	15	15	4
9111-1115	DIN875/0	100x70mm	0.007mm	20	20	5
9111-1120	DIN875/0	150x100mm	0.008mm	30	30	6
9111-1125	DIN875/0	200x130mm	0.009mm	33	33	7

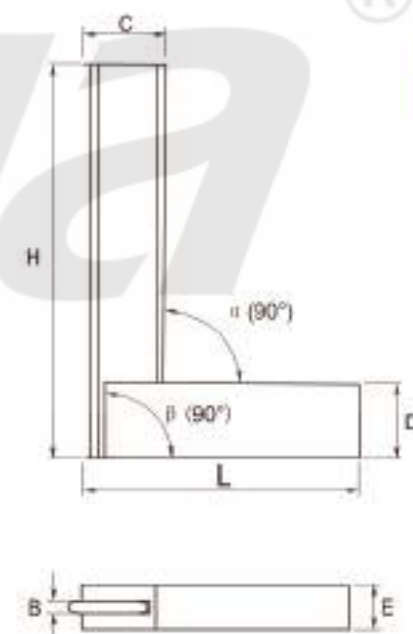
Code	Measuring Range	Reading	Accuracy	Repeatability	Size
8400-0000	+/- 180 degrees	0.1 degrees	+/- 0.1 degrees	+/- 0.1 degrees	2.2" x 2.3" x 1.3"

90° FLAT EDGE SQUARE



DIN 875

90° FLAT EDGE SQUARE WITH HEAVY BASE



DIN 875

- Strictly made in accordance with DIN875.
- Made of hardened stainless steel.
- Have true right angles both inside and outside.
- Satin chrome finished.
- Beams and blades ground and lapped for straightness and parallelism.
- Grade "00&1" optional.
- Beam grooved at inner corner for clearance of burrs and dirt.

Unit:mm

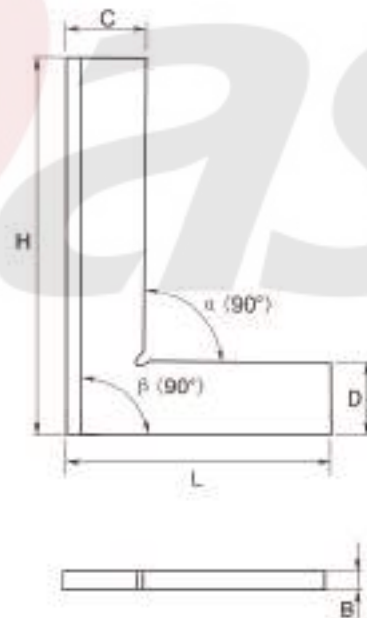
Code	Standard	Size(HxL)	Angle Tolerance	C	D	B
9315-1105	DIN875/0	50x40mm	0.003mm	13	13	4
9315-1110	DIN875/0	75x50mm	0.003mm	15	15	4
9315-1115	DIN875/0	100x70mm	0.003mm	20	20	5
9315-1120	DIN875/0	150x100mm	0.004mm	30	30	6
9315-1125	DIN875/0	200x130mm	0.004mm	33	33	7

- Strictly made in accordance with DIN875.
- Made of hardened stainless steel.
- Have true right angles both inside and outside.
- Satin chrome finished.
- Beams and blades ground and lapped for straightness and parallelism.
- Grade "00&1" optional.

Unit:mm

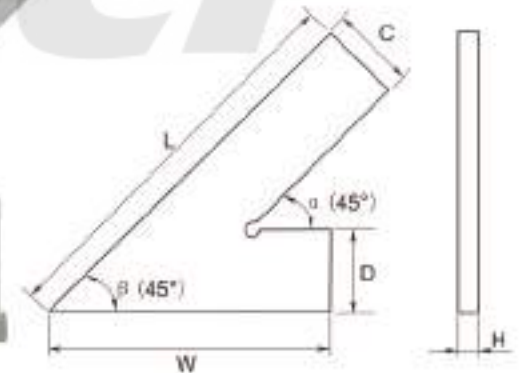
Code	Standard	Size(HxL)	Angle Tolerance	C	D	B	E
9212-1104	DIN875/0	50x40mm	0.006mm	12	12	3	10
9212-1108	DIN875/0	75x50mm	0.007mm	18	18	3	12
9212-1112	DIN875/0	100x70mm	0.007mm	20	18	3.5	12
9212-1116	DIN875/0	150x100mm	0.008mm	22	22	4	12
9212-1118	DIN875/0	200x130mm	0.009mm	26	26	5	14

90° FLAT EDGE SQUARE WITH WIDE BASE



DIN
875

45° SQUARE WITH WIDE BASE



DIN
875



- Strictly made in accordance with DIN875.
- Made of hardened stainless steel.
- Have true right angles both inside and outside.
- Satin chrome finished.
- Beams and blades ground and lapped for straightness and parallelism.
- Grade "00&1" optional.



Unit:mm

Code	Standard	Size(HxL)	Angle Tolerance	C	D	B	E
9212-1105	DIN875/0	50x40mm	0.006mm	13	13	4	13
9212-1110	DIN875/0	75x50mm	0.007mm	15	15	4	15
9212-1115	DIN875/0	100x70mm	0.007mm	20	20	5	20
9212-1120	DIN875/0	150x100mm	0.008mm	30	30	6	30
9212-1125	DIN875/0	200x130mm	0.009mm	30	30	7	30



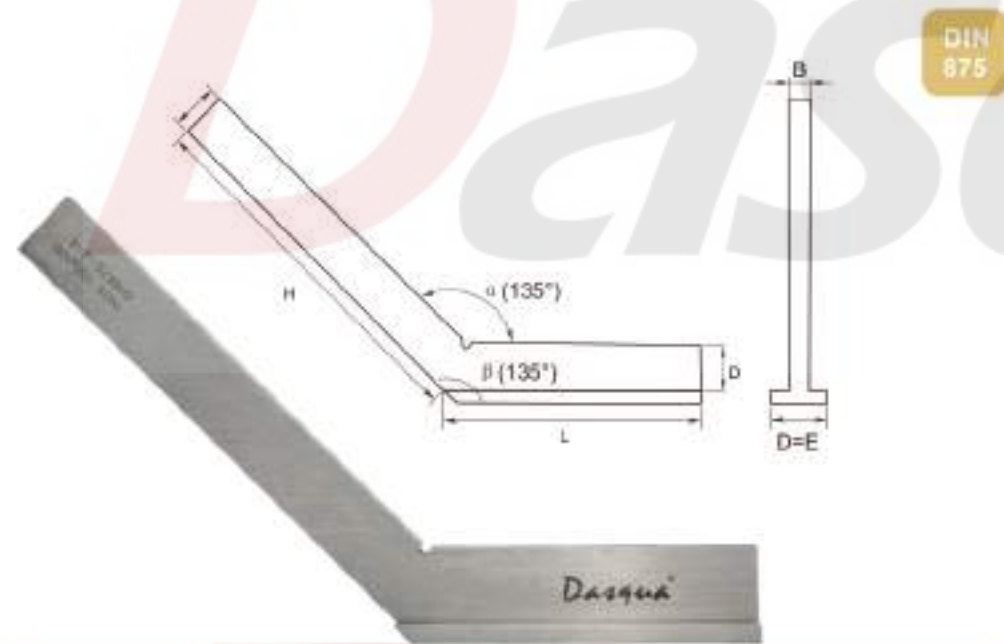
- Strictly made in accordance with DIN875.
- With precision ground reference edges.
- For accurate marking and checking of 45°.
- Flat edge.
- Made of hardened stainless steel.



Unit:mm

Code	Standard	Size(HxL)	Angle Tolerance	C	D	B
9222-3105	DIN875/2	120x80mm	0.030mm	20	20	5
9222-3110	DIN875/2	150x100mm	0.035mm	20	20	5
9222-3115	DIN875/2	200x130mm	0.040mm	25	25	5

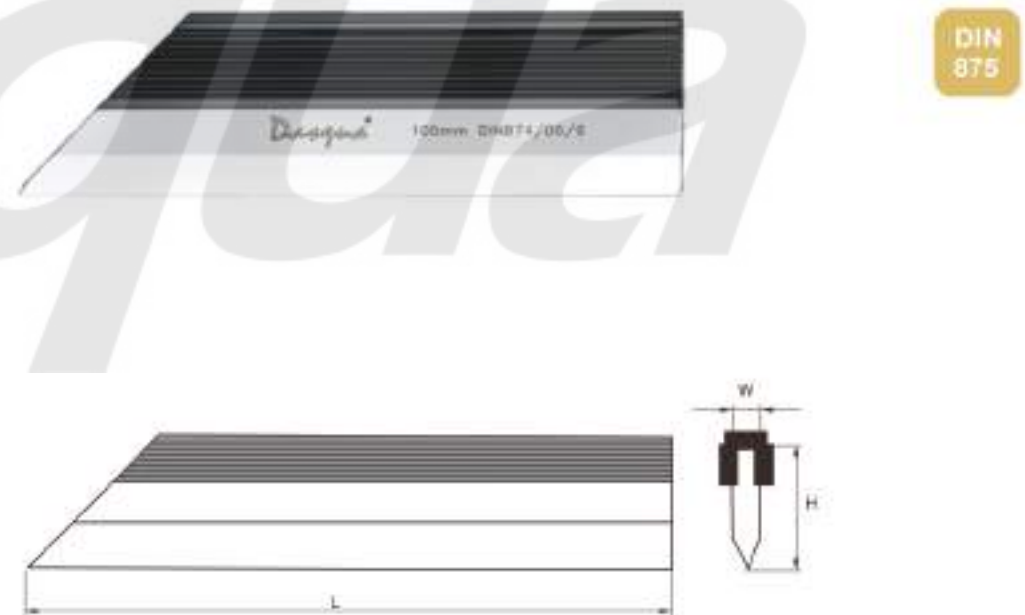
135° SQUARE WITH WIDE BASE



- Strictly made in accordance with DIN875.
- With precision ground reference edges.
- For accurate marking and checking of 135°.
- Flat edge
- Made of hardened stainless steel.

Code	Standard	Size(HxL)	Angle Tolerance	C	D	B
9222-3102	DIN875/2	120x80mm	0.030mm	20	20	5
9222-3104	DIN875/2	150x100mm	0.035mm	20	20	5
9222-3106	DIN875/2	200x130mm	0.040mm	30	30	7

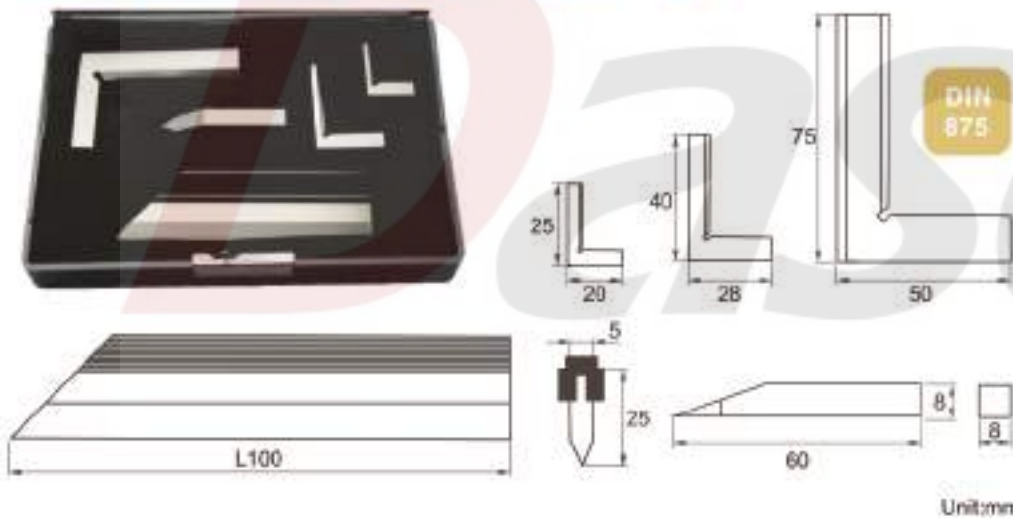
STAINLESS STEEL STRAIGHT EDGE



- Strictly made in accordance with DIN874.
- Satin chrome finished.
- Beveled edges.
- Made of hardened stainless steel.
- Up to 500mm.

Code	Standard	Size(L)	Angle Tolerance	C	D	B
9131-2105	DIN874/00	75mm	0.002mm	20	20	5
9131-2110	DIN874/00	100mm	0.002mm	20	20	5
9131-2115	DIN874/00	125mm	0.003mm	30	30	7
9131-2120	DIN874/00	150mm	0.003mm	20	20	5
9131-2125	DIN874/00	200mm	0.003mm	30	30	7

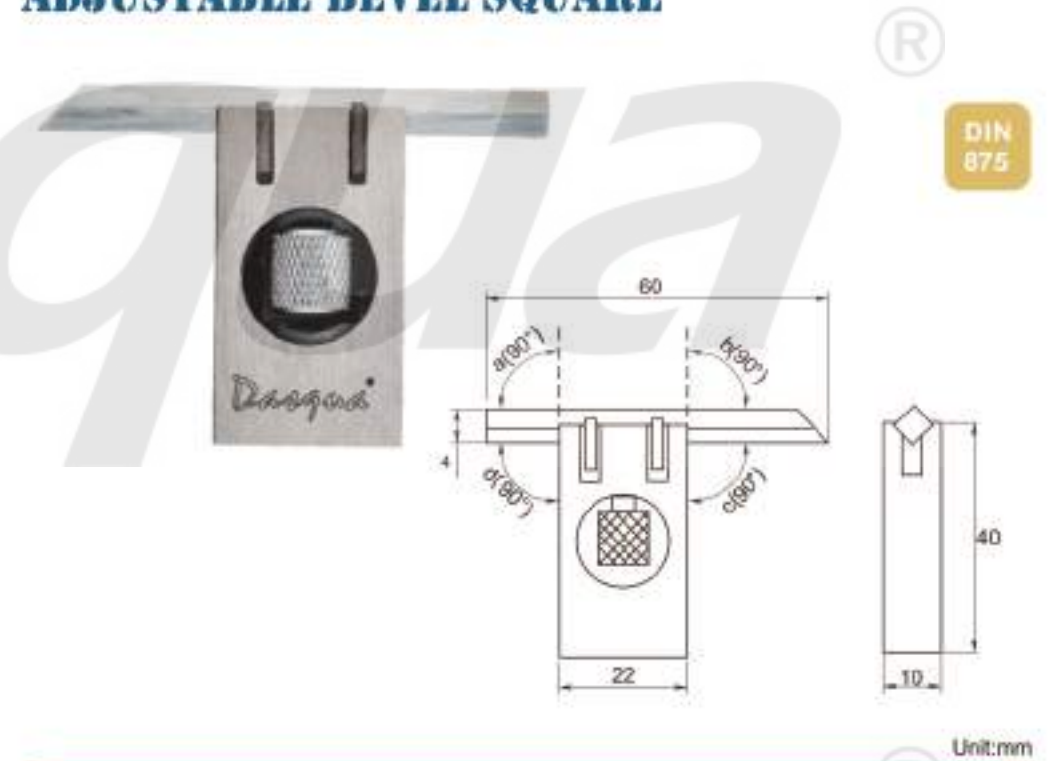
5 PCS MACHANIST SQUARE SET



- Inspection test faces ground.
- Satin chrome finished.
- Die maker's squares, stainless 25x20 mm and 40x28 mm.
- Gauge block marking scribe 60x8x8 mm.
- Straight edge 100 mm (DIN 874).
- Stainless steel stock squares 75x50 mm (DIN 875).

Code
9383-2205

ADJUSTABLE BEVEL SQUARE



- Strictly made in accordance with DIN875.
- For inspection work using the light gap principle.
- The sliding straight edge allows inspection work to be carried out on short, chamfered offsets.
- All measuring faces are ground and lepped.
- The straight edge can be moved and locked by the clamping screw.
- Hardened stainless steel.

Code	Standard	Foot Size	Ruler Length	Ruler Cross Section	D	B
9161-1105	DIN875/0	40x22x10mm	60mm	4x4mm	20	5

MARKING GAUGE



- Hardened steel, stress-relieved and precision ground in pairs.
- Different depths of vee-section, 2 support faces, sturdy bench clamp with handle for clamping the components.
- Flatness and parallelism tolerance 0.01mm.

Code	Range of Measurement(L)	Graduation	L	C
9241-3105	200mm	0.1mm	250mm	40mm
9241-3110	250mm	0.1mm	300mm	40mm
9241-3115	300mm	0.1mm	350mm	40mm



MEASURING BEVEL



DIN 875

4 PCS COMBINATION SQUARE SET



- Strictly made in accordance with DIN875.
- Made of hardened steel and lapped.
- This tool can be set to duplicate an angle from a master, or it may be easily converted into a bevel protractor.
- Test faces and other faces precision ground.
- With screw clamp joint.
- Two movable blades can be set to any angle and locked with wing nut.



Code	Size	Standard
9251-1105	200mm	DIN875/0
9251-1110	250mm	DIN875/0
9251-1115	300mm	DIN875/0
9251-1120	400mm	DIN875/0
9251-1125	500mm	DIN875/0



- A must for metal & wood working.
- Stainless steel.
- Double side scaled, 1.0mm (1/64"), 0.5mm (1/32").
- Hardened, ground and lapped measuring surfaces.
- Distinct lines and figures against the satin chrome finish make reading easily.



Code	Ruler	Graduation
1012-2010	300mm/12"	1.0mm (1/64") and 0.5mm/1/32"

PREMIUM PARALLEL SET



EXTRA THIN PREMIUM PARALLEL SET



- Made from high-grade alloy steel, hardened and ground.
- Height specification relate to consistency within each pair.
- Parallelism: $\pm 0.01\text{mm}/0.0005^\circ$.
- Hardness: 58 HRC.



Code	Quantity	Length* Thickness	Height
8201-0010	14 pairs	10 *150mm	14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40, 45, 50mm
8201-0025	14 pairs	4 *150mm	14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40, 45, 50mm
8201-0030	9 pairs	8.5 *150mm	14, 16, 20, 24, 30, 32, 36, 40, 44mm
8202-0010	9 pairs	1/4*6"	3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-5/8", 1-3/4"
8202-0015	10 pairs	1/8*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"
8202-0020	10 pairs	1/8*3"	1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-5/8"
8202-0025	4 pairs	3/16*6"	1", 1-1/4", 1-1/2", 1-3/4"



- Made from high-grade alloy steel, hardened and ground.
- Height specification relate to consistency within each pair.
- Parallelism: $\pm 0.01\text{mm}/0.0005^\circ$.
- Hardness: 50 HRC.



Code	Quantity	Length* Thickness	Height
8201-0005	10 pairs	0.8*150mm	12, 14, 16, 18, 20, 22, 24, 26, 28, 30mm
8202-0005	10 pairs	1/32*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"

GAUGES

- CALIBRATION GAUGE
- THREAD GAUGE
- PIN GAUGE
- ANGLE GAUGE
- OTHER GAUGES



CALIBRATION GAUGE BLOCK SET

DIN 861

- Traditional high-grade steel carefully hardened and stress-relieved.
- Well lapped measuring faces for high accuracy.
- Edges slightly bevelled for protection.
- Strictly made in accordance with DIN 861.
- Certificate of calibration accompanied.
- Made of high-grade steel.
- All measuring faces lapped.
- Hardened with slightly bevelled edges.
- Mirror-polished.
- Provide Maximum durability under the most demanding conditions.
- Steel blocks hardened to 65HRC.
- Grade "0" & "00" optional.



Code	Class	pcs/set	Nominal size(mm)	Steps(mm)	Pieca
6111-1232	1	32	1.00	/	1
			5.00	/	1
6110-1232	0	32	1.01-1.10	0.01	10
			1.20-2.00	0.1	9
			3.00-10.00	1	8
			30.00-40.00	10	2
			50.00	/	1
6111-1247	1	47	1.005	/	1
			1.00-1.20	0.01	21
			1.30-2.00	0.10	8
6110-1247	0	47	3.00-10.00	1.00	8
			20.00-100.00	10.00	9
			0.50	/	1
6111-1287	1	87	1.00	/	1
			1.001-1.009	0.001	9
6110-1287	0	87	1.01-1.50	0.010	50
			2.00-10.00	0.500	17
			20.00-100.00	10.00	9
6111-1201	1	103	0.50	/	1
			1.00	/	1
			1.01-1.50	0.01	50
6110-1201	0	103	2.00-25.00	0.50	47
			50.00	/	1
6111-1112	1	112	75.00	/	1
			100.00	/	1
			1.0005	/	1
6110-1112	0	112	1.001-1.009	0.001	9
			1.01-1.49	0.01	49
6110-1112	0	112	0.5-24.5	0.5	49
			25-100	25	4
Code	Class	pcs/set	Nominal size(inch)	Steps(mm)	Pieca
6111-3236	1	36	1.0005"	/	1
			0.1001-0.1009"	0.0001"	9
			0.101-0.109"	0.001"	9
			0.11-0.19"	0.01"	9
			0.1-0.5"	0.1"	5
6110-3236	0	36	1.00"	/	1
			2.00"	/	1
			4.00"	/	1
			0.05"	/	1
6111-3281	1	81	0.1000-0.1009"	0.0001"	10
			0.101-0.149"	0.001"	49
			0.150-0.950"	0.05"	17
6110-3281	0	81	1.000-4.000"	1.000"	4

MICROMETER CALIBRATION GAUGE BLOCK SET

DIN
861

CALIPER CALIBRATION GAUGE BLOCK SET

DIN
861

- Strictly made in accordance with DIN861.
- Made of high-grade steel,lapped measuring faces.
- Hardened with slightly bevelled edges.
- Mirror-polished .
- For checking external micrometers.
- 1 each gauga block:2.5/5, 1/7, 7/10, 3/12, 9/15, 0/17, 6/20, 2/22, 8/25, 0mm.
- 1 Optical flat $\Phi 30$ mm.
- Grade "0 & 00" optional.
- Supplied in fitted case.

- Strictly made in accordance with DIN861.
- Made of high-grade steel,lapped measuring faces.
- Hardened with slightly bevelled edges.
- Mirror-polished .
- 1 each gauge block:
- 41,3/131,4 mm
- Setting ring dimension: 20/4mm.
- Grade "0 & 00" optional.

Code	Grade	Contents
6111-1211	1	1 each of gauge block 2.5/5, 1/7, 7/10, 3/12, 9/15, 0/17, 6/20, 2/22, 8/25, 0mm 1 optical flat glass $\phi 30$ mm

Code	Grade	Contents
6111-1204	1	1 each of gauge block 41,3mm,131,4mm; Setting ring Dia 20,0mm,4,0mm

METRIC THREAD PLUG GAUGES GO&NO-GO

- Strictly made in accordance with DIN13
- Grade 6H

Code	Size(mm)
6310-0001	M3*0.5
6310-0002	M4*0.7
6310-0003	M5*0.8
6310-0004	M6*1
6310-0005	M8*1.25
6310-0006	M10*1.5
6310-0007	M12*1.75
6310-0008	M14*2
6310-0009	M16*2
6310-0010	M18*2.5



ISO
1502

METRIC THREAD RING GAUGES GO&NO-GO

- Strictly made in accordance with DIN13
- Grade 6g

Code	Size(mm)
6510-0001	M3*0.5
6510-0002	M4*0.7
6510-0003	M5*0.8
6510-0004	M6*1
6510-0005	M8*1.25
6510-0006	M10*1.5
6510-0007	M12*1.75
6510-0008	M14*2
6510-0009	M16*2
6510-0010	M18*2.5



ISO
1502

INCH THREAD PLUG GAUGES GO&NO-GO

- Strictly made in accordance with ANSI B1.2
- Grade 2B

Code	Size
6311-0001	6-32UNC
6311-0002	8-32UNC
6311-0003	10-24UNC
6311-0004	12-24UNC
6311-0005	1/4"-20UNC
6311-0006	1/4"-28UNF
6311-0007	5/16"-18UNC
6311-0008	5/16"-24UNF
6311-0009	3/8"-16UNC
6311-0010	3/8"-24UNF
6311-0011	7/16"-14UNC
6311-0012	7/16"-20UNF
6311-0013	1/2"-13UNC
6311-0014	1/2"-20UNF



INCH THREAD RING GAUGES GO&NO-GO

- Strictly made in accordance with ANSI B1.2
- Grade 2A

Code	Size
6511-0001	6-32UNC
6511-0002	8-32UNC
6511-0003	10-24UNC
6511-0004	12-24UNC
6511-0005	1/4"-20UNC
6511-0006	1/4"-28UNF
6511-0007	5/16"-18UNC
6511-0008	5/16"-24UNF
6511-0009	3/8"-16UNC
6511-0010	3/8"-24UNF
6511-0011	7/16"-14UNC
6511-0012	7/16"-20UNF
6511-0013	1/2"-13UNC
6511-0014	1/2"-20UNF





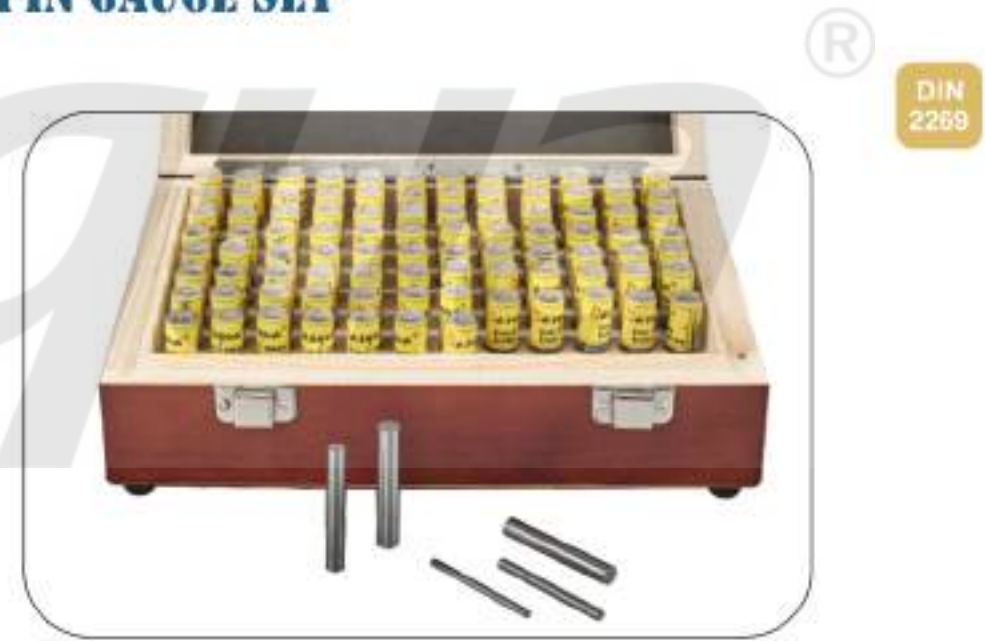
THREAD GAUGE SET



- Strictly made in accordance with DIN13.
- The ground first thread pitch removes coarse swarf in the component and prevents premature fracture of the first thread pitch.
- Made of first class gauge steel.
- Measuring face hardened, ground and lapped.
- 7 pieces in fitted case.
- Go or No Go.

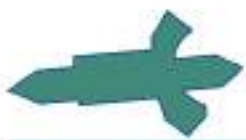
Code	Size	Reading
6311-3205	M3,M4,M5,M6,M8,M10,M12;	Go Ring Gauge
6311-3203	M3,M4,M5,M6,M8,M10,M12;	No-Go Ring Gauge
6311-3105	UNC Thread (6-32,8-32,10-24,12-24,1/4"-20,3/8"-16,1/2"-13)	Go Ring Gauge
6311-3106	UNC Thread (6-32,8-32,10-24,12-24,1/4"-20,3/8"-16,1/2"-13)	No-Go Ring Gauge
6311-3202	M3,M4,M5,M6,M8,M10,M12;	Go & No-Go Plug Gauge
6311-3110	UNC Thread (6-32,8-32,10-24,12-24,1/4"-20,3/8"-16,1/2"-13)	Go & No-Go Plug Gauge

PIN GAUGE SET



- Idea for checking hole size, location, gage slots, distance between holes, go & no-go gaging, setting other gages and micrometers.
- Strictly made in accordance with DIN2269.
- High quality steel, hardened and tempered.
- Each gauge has been inspected.
- Packed in fitted case.

Code	Quantity	Size	Accuracy
6211-4205	81Pcs	1-10mm with 0.1mm step	+/-0.001mm
6211-4210	273Pcs	1-10mm with 0.1mm step	+/-0.001mm
6212-4205	190Pcs	0.061"-0.250" with 0.001" step	- 0.0002"
6212-4210	250Pcs	0.251"-0.5000" with 0.001" step	- 0.0002"



UNIVERSAL CUTTER POINT ANGLE GAUGE



- Easily verifies the angles of the top point of all kind of drills and countersinks.
- The angles include : 60°, 82°, 90°, 118°, 120°, 135°, 150°, 160°.
- Accuracy: ±0.5°.
- Made of Stainless steel, polished.
- Thickness: 1.0 mm.
- Size: 80*80 mm.
- Packed in pouch.

Code	Angles	Accuracy	Thickness
8511-0005	60°, 82°, 90°, 118°, 120°, 135°, 150°, 160°	±0.5°	1.0mm

WELD SEAM GAUGE



- For measuring flat and fillet welding seams.
- Made of Stainless steel, polished.
- Measuring range 20mm/reading 0.1mm.
- Slide with clamping screw.
- With four angles: 60°, 70°, 80° & 90°.
- Packed in pouch.

Code	Angles	Size
8531-0005	60°, 70°, 80° & 90°	20mm*0.1mm

DRILL POINT GAUGE



- Made of stainless steel, polished.
- Used for drills with tip angle 116°, up to Φ50mm.
- Hardened, ground and lapped.
- Long working life-time.

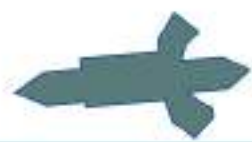
Code	Measuring range
8511-0010	tip angle 116°, up to Φ50mm

29° ACME SCREW THREAD GAUGE.



- For grinding & setting tools when cutting Acme threads whose sides have an inclination of 14-1/2°.
- Angle & 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 & 10

Code	Contents
1041-0005	1, 1-1/3, 1-1/2, 1-3/4, 2, 2-1/2, 3, 4, 5, 6, 7, 8, 9 & 10



TAPER GAUGE



- Made of Stainless steel, polished.
- Measure inside diameter of tubing, hole sizes, slot widths and flange face to face dimensions.
- Quick to use, very accurate and a convenient sizes.
- Thin, tapered leaves graduated to measure inside diameters or widths from metric size 1mm-80mm by 0.1mm and inch size 1/16"-2-3/8" in 1/64" another side.

Code	Measuring Range	Graduation
8522-0005	1/16-5/8"	1/64"
8521-0005	1-15mm; 1/16-5/8"	0.1mm and 1/64"
8522-0010	5/8 - 1-3/16"	1/64"
8521-0010	15-30mm; 5/8-1-3/16"	0.1mm and 1/64"
8522-0015	1-3/16-1-3/4"	1/64"
8521-0015	30-45mm; 1-3/16-1-3/4"	0.1mm and 1/64"
8522-0020	1-3/4-2-3/8"	1/64"
8521-0020	45-60mm; 1-3/4-2-3/8"	0.1mm and 1/64"

V-BLOCK & CLAMP SET



- Strictly made in accordance with DIN874.
- Grade "0" and "2" optional.
- Made of high tensile alloy steel.
- Precision ground.

Code	Capacity*Height*Width*Length	Accuracy
8101-0005	30*38*40*45mm	0.01mm
8101-0010	32*40*45*70mm	0.01mm

AMERICAN STANDARD WIRE GAGE



- Gage numbers are in American standard numbers 0-36 (0.3125"-0.007").
- Heavy gage, hardened stainless steel.
- Satin finish for easy reading.
- Decimal equivalents on the reverse side.
- Diameter-3-1/4"(83mm).
- Useful for gaging uncoated sheet, plate iron and steel, based on weights in ounces per square foot.

Code	Graduation	Diameter
1041-0025	0-36(0.325"-0.005")	3-1/4"(83mm)

AMERICAN STANDARD SHEET METAL GAGE



- Gage numbers are in American standard numbers 0-36 (0.325"-0.005").
- Heavy gage, hardened stainless steel.
- Satin finish for easy reading.
- Decimal equivalents on the reverse side.
- Diameter-3-1/4"(83mm).
- Useful for Electricians to gage wire, sheet, plate and non-ferrous metals such as copper, aluminum and brass.

Code	Graduation	Diameter
1041-0020	0-36(0.3125"-0.007")	3-1/4"(83mm)

ZERO SETTING DEVICE



DIGITAL ZERO SETTING DEVICE



1801-0605



1801-1005



- Special hardened steel; No damage to cutting edge of tool during setting; No feeler gauge or edge finder necessary

Technical Data:



- Height of body-reference face: 49mm;



- Indicator display: 0.01mm;



- spring-mounted contact face: 52.5mm;

- Height of the spring-loaded probe face when the Digital indicator reads 50mm

Code	Height
1122-9001	150mm/6"



- Special hardened steel; No damage to cutting edge of tool during setting; No feeler gauge or edge finder necessary

Technical Data:



- Height of body-reference face: 49mm;



- Indicator display: 0.01mm;



- spring-mounted contact face: 52.5mm;

- Height of the spring-loaded probe face when the Digital indicator reads 50mm

Code	Height	Graduation	Protection Stand
1801-0605	50mm	0.01mm/0.0005"	
1801-1005	50mm	0.001mm/0.0005"	IP65

INFRARED THERMOMETER



PREMIUM MAGNETIC PARALLEL SET



- Premium Magnetic Parallel Set
- Accuracy: Height tolerance ± 0.005 mm; width tolerance ± 0.01 mm.
- Hardness: 55-60 HRC.
- Reduces the clamping time by up to 10 %.
- Precision ground as pairs.
- Application:
- In high precision work for parallel mounting of components in machine vices or jigs.

Code	Measuring Range	Optical ratio(D:S)	Response wavelength
1030-2001	-20°C-320°C(-4°F-608°F)	8:1	5-14 μ m

- Premium Magnetic Parallel Set
- Accuracy: Height tolerance ± 0.005 mm; width tolerance ± 0.01 mm.
- Hardness: 55-60 HRC.
- Reduces the clamping time by up to 10 %.
- Precision ground as pairs.
- Application:
- In high precision work for parallel mounting of components in machine vices or jigs.

Code	Length	Width	Height
1801-0105	90mm	2.5mm	15,22,25,30,32mm
1801-0110	125mm	2.5mm	15,30,35,37,39mm
1801-0115	150mm	2.5mm	25,35,40,45,47mm

REMARKS

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