

ABOUT DASQUA®

Same as some old customers know, since the very first day of its establishment many years ago, Dasqua® has been only making and supplying reliable industrial measuring tools meeting the engineering and inspection requirements. And it is well recognized that:
Dasqua®, SIMPLY THE QUALITY...

As time goes by, in the new millennium, Dasqua® continued its steady pace of industrial quality products introductions to the market, helping their customers become more productive and successful. And it is still realized as one of the most trustful professional brand in this field. The key point of the reason is:
Dasqua®, MAKES DIFFERENCE...

• MANUFACTURING

The reliable and significant of Dasqua® quality stems from long lasting well experienced workmanship adhering to the precision standard. Dasqua® products are manufactured in accordance with exacting traditional procedures combined with state-of-art machinery. And it is also proud of manufacturing many world-famous brand measuring tools by OEM production and has been highly valued by these customers.

• TRACEABLE QUALITY CONTROL SYSTEM

We are aware, for measuring tools, even small quality issue can cause big problem for our customer. The same as you experienced before, a distinctive calibration certificate is attached to most of Dasqua® measuring tools you received. This unique calibration report indicates the TRUE accuracy of the specified tool you are going to use. The tools you received are calibrated using reliable "Feinmess-Suhl" and "Zeiss" instruments in our workshop as part of standard procedure.

• FAST DELIVERY

We fully agnize how time-sensitive your business is. While we have 80% standard Dasqua® branded products in stock. We also established two order fulfillment centers strategically located in Europe and Asia respectively, providing standard products, spare parts and our technical supports.

• 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 2 years against defective accuracy and workmanship. For details, please refer to our printed warranty statement attached to each product you received.

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

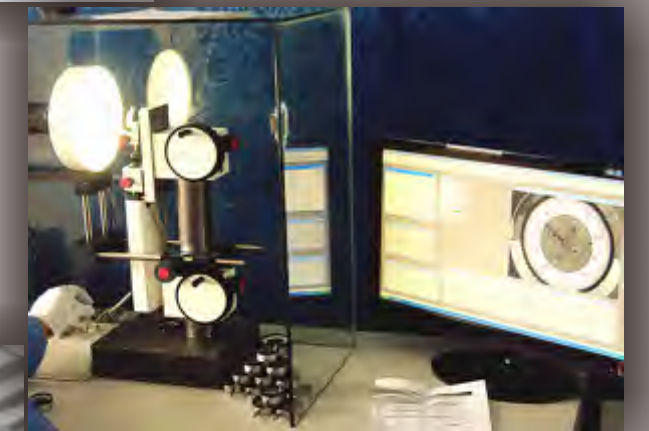
Yours truly,
The Dasqua® Team.



TRACEABLE QUALITY CONTROL



FULL PROCESS INSPECTION



PRECISION MACHINING



FAST DELIVERY



P1-5



P6-11



P12-17



P18-20



P21-24



P24-26



P27-29




P30-32


VERNIER CALIPER

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






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

VERNIER CALIPER

DIN 862

Code	Measuring range	Graduation	Jaw length
1110-3115	0-150mm/0-6"	0.05mm/ 1/128"	40mm
1110-3120	0-200mm/0-8"	0.05mm/ 1/128"	50mm
1110-3130	0-300mm/0-12"	0.05mm/ 1/128"	64mm



MONOBLOCK VERNIER CALIPER

DIN 862

Code	Measuring range	Graduation	Jaw length
1120-3115	0-150mm/0-6"	0.05mm/ 1/128"	40mm
1120-3120	0-200mm/0-8"	0.05mm/ 1/128"	50mm
1120-3130	0-300mm/0-12"	0.05mm/ 1/128"	64mm



VERNIER CALIPER WITH FINE ADJUSTMENT

DIN 862

Code	Measuring range	Graduation	Jaw length
1210-3105	0-150mm/0-6"	0.05mm/ 1/128"	40mm
1210-3110	0-200mm/0-8"	0.05mm/ 1/128"	50mm
1210-3115	0-300mm/0-12"	0.05mm/ 1/128"	64mm



MONOBLOCK VERNIER CALIPER WITH FINE ADJUSTMENT

DIN 862

Code	Measuring range	Graduation	Jaw length
1220-3105	0-150mm/0-6"	0.05mm/ 1/128"	40mm
1220-3110	0-200mm/0-8"	0.05mm/ 1/128"	50mm
1220-3115	0-300mm/0-12"	0.05mm/ 1/128"	64mm



MECHANIST GRADE DIAL CALIPER

DIN 862

SHOCK-PROOF

- Strictly made in accordance with DIN862.
- Knife edge contacts for both inside and outside measurements.
- Four-way measuring for outside, inside, depth and step.
- Hardened,grounded and lapped measuring surfaces.
- Silky smooth movement throughout.
- Solid stainless steel construction.
- Tough shock-proof gearing.



Code	Metric
1331-2110	0-100mm/0.02mm
1331-2115	0-150mm/0.02mm
1331-2120	0-200mm/0.02mm
1331-2130	0-300mm/0.02mm

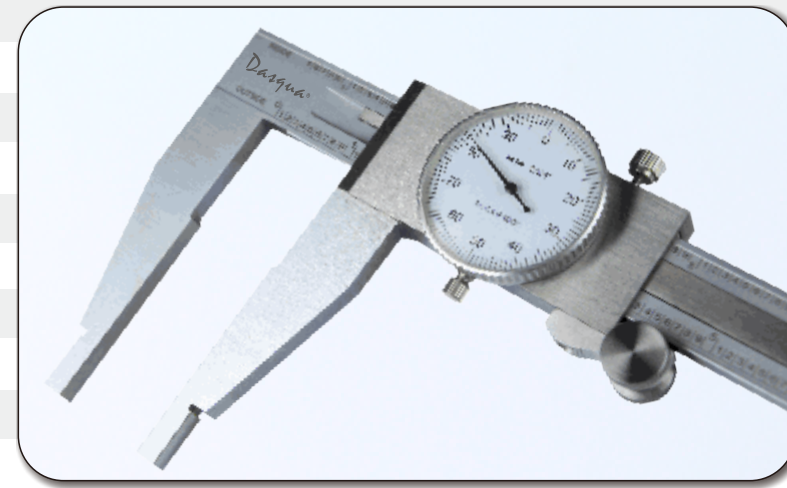
Code	Inch
1332-4105	0-4"/0.001"
1332-4110	0-6"/0.001"
1332-4115	0-8"/0.001"
1332-4120	0-12"/0.001"

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 smooth movement throughout.
- Solid stainless steel construction.
- Satin chrome finish.
- Extra rigid main beam.



Code	Metric
1431-2105	0-450mm/0.02mm
1431-2110	0-500mm/0.02mm
1431-2115	0-600mm/0.02mm
1431-2120	0-1000mm/0.02mm

Code	Inch
1432-4105	0-18"/0.001"
1432-4110	0-20"/0.001"
1432-4115	0-24"/0.001"
1432-4120	0-40"/0.001"

SUPER BIG SCREEN DIGITAL CALIPER

DIN 862 mm/in/F



- Strictly made in accordance with DIN862.
- Super big digital ensure error-free reading.
- Stainless steel frame.
- Silky smooth movement throughout.
- Hardened,grounded and lapped measuring surfaces.
- Four-way measuring for outside, inside, depth and step.

Code	Measuring range	Reading
2111-8105	0-150mm/0-6"	0.01mm/0.0005"
2111-8110	0-200mm/0-8"	0.01mm/0.0005"
2111-8115	0-300mm/0-12"	0.01mm/0.0005"

METAL HOUSING BIG SCREEN DIGITAL CALIPER

DIN 862 mm/in/F

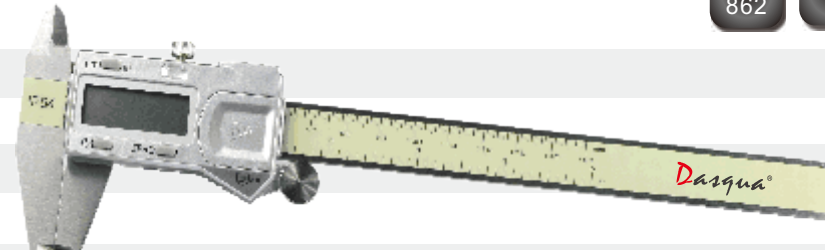


- Strictly made in accordance with DIN862.
- Sturdy metal housing protection.
- Large easy-to-read display.
- Stainless steel frame.
- Silky smooth movement throughout.
- Hardened, grounded and lapped measuring surfaces.
- Built tough for real shop conditions.

Code	Measuring range	Reading
2112-8105	0-150mm/0-6"	0.01mm/0.0005"
2112-8110	0-200mm/0-8"	0.01mm/0.0005"
2112-8115	0-300mm/0-12"	0.01mm/0.0005"

IP54 WATER PROOF DIGITAL CALIPER

DIN 862 mm/in/F



IP54
COOLANT & FLUID
RESISTANT

- Strictly made in accordance with DIN862.
- IP54 protection against water,oil,dust or any other liquid.
- Large easy-to-read display.
- Silky smooth movement throughout.
- Hardened, ground and lapped measuring surfaces.
- Four-way measuring for outside, inside, depth and step.

Code	Measuring range	Reading
2110-8105	0-150mm/0-6"	0.01mm/0.0005"
2110-8110	0-200mm/0-8"	0.01mm/0.0005"
2110-8115	0-300mm/0-12"	0.01mm/0.0005"

SNAP ACTION CALIPER

mm/in/F



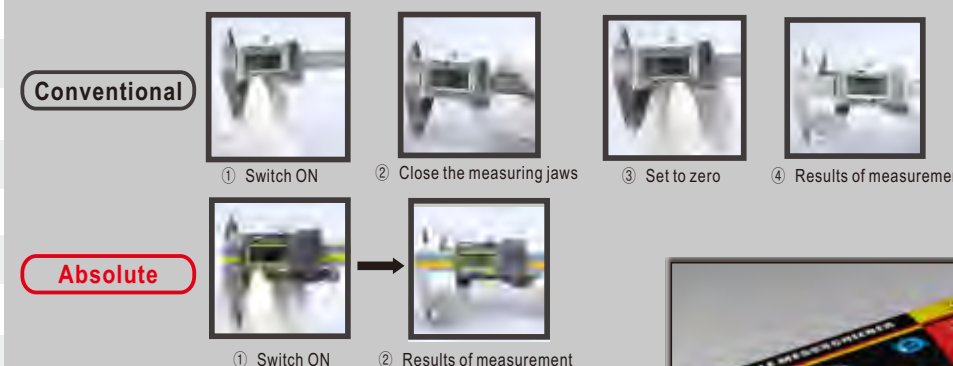
- Wide jaw for easy position.
- Large digital display.
- Spring-loaded travel.
- Hardened stainless steel construction.
- Direct Inch/metric/fraction conversion.
- Hanging loop included for attachment to belt or chain.
- Idea for measuring a wide range of material from metal, plastic, and glass to small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

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

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.

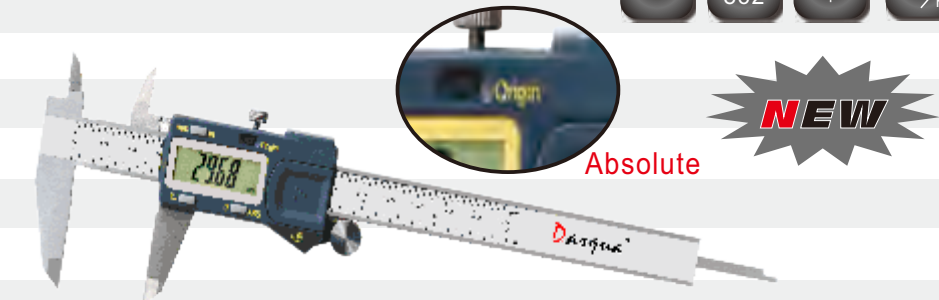


- Strictly made in accordance with DIN862.
- **Absolute function.**
- IP54 protection against water,oil,dust or any other liquid.
- Hardened stainless steel body for long life.
- Silky smooth movement throughout.
- Includes fitted case.

Code	Measuring range	Reading
2210-8105	0-100mm/0-4"	0.01mm/0.0005"
2210-8110	0-150mm/0-6"	0.01mm/0.0005"
2210-8115	0-200mm/0-8"	0.01mm/0.0005"
2210-8120	0-300mm/0-12"	0.01mm/0.0005"

IP67 WATER-PROOF ABSOLUTE DIGITAL CALIPER

Absolute DIN 862 Data output mm/in/F



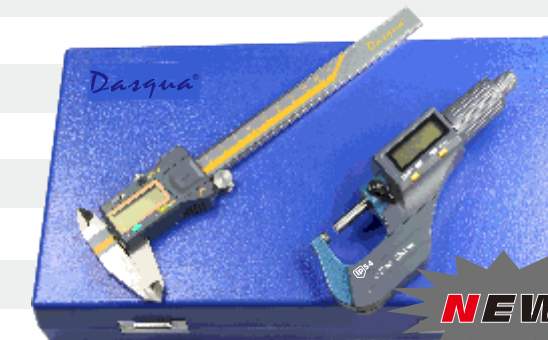
- Strictly made in accordance with DIN862.
- **Absolute function.**
- IP67 protection against water,oil,dust or any other liquid.
- Hardened stainless steel body for long life.
- Silky smooth movement throughout.
- Includes fitted case.

IP67
COOLANT & FLUID
RESISTANT

Code	Measuring range	Reading
2210-8103	0-100mm/0-4"	0.01mm/0.0005"
2210-8106	0-150mm/0-6"	0.01mm/0.0005"
2210-8109	0-200mm/0-8"	0.01mm/0.0005"
2210-8112	0-300mm/0-12"	0.01mm/0.0005"

ABSOLUTE DIGITAL MEASURING SET

Absolute DIN 862 mm/in/F IP54
COOLANT & FLUID
RESISTANT



Code	2210-8201
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- Strictly made in accordance with DIN862/863.
- Caliper and micrometer water resistance reach to IP54 standard.
- 0-6"/150mm X 0.01mm/0.0005" IP54 digital caliper with **Absolute function**.
- 0-1"/25mm X 0.001mm/0.00005" IP54 Digital micrometer.
- Complete with fitted case.

ABSOLUTE DIGITAL DEPTH CALIPER



- Absolute
- Data output
- DIN 862
- mm/in/F
- IP54 COOLANT & FLUID RESISTANT

- 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.

Code	Measuring range	Reading
2230-8105	0-150mm/0-6"	0.01mm/0.0005"
2230-8115	0-200mm/0-8"	0.01mm/0.0005"
2230-8125	0-300mm/0-12"	0.01mm/0.0005"

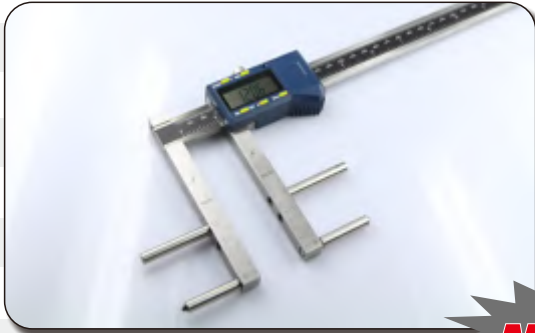
DIGITAL THICKNESS GAUGE

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



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

EASY OUT/IN-SIDE DIGITAL CALIPER



- IP54 COOLANT & FLUID RESISTANT

- DIN 862
- mm/in/F
- Data output



- 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.

Code	Measuring range	Reading
2220-8103	4-20"/100-500mm	0.0005"/0.01mm

INDUSTRY HEAVY DUTY DIGITAL CALIPER



- DIN 862
- mm/inch
- Data output



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

Europe style		American style		Reading
Code	Measuring range	Code	Measuring range	
2220-8105	0-300mm/0-12"	2220-8103	0-300mm/0-12"	0.01mm/0.0005"
2220-8110	0-500mm/0-20"	2220-8116	0-600mm/0-24"	0.01mm/0.0005"
2220-8115	0-1000mm/0-40"	2220-8119	0-1000mm/0-40"	0.01mm/0.0005"

OUTSIDE MICROMETER

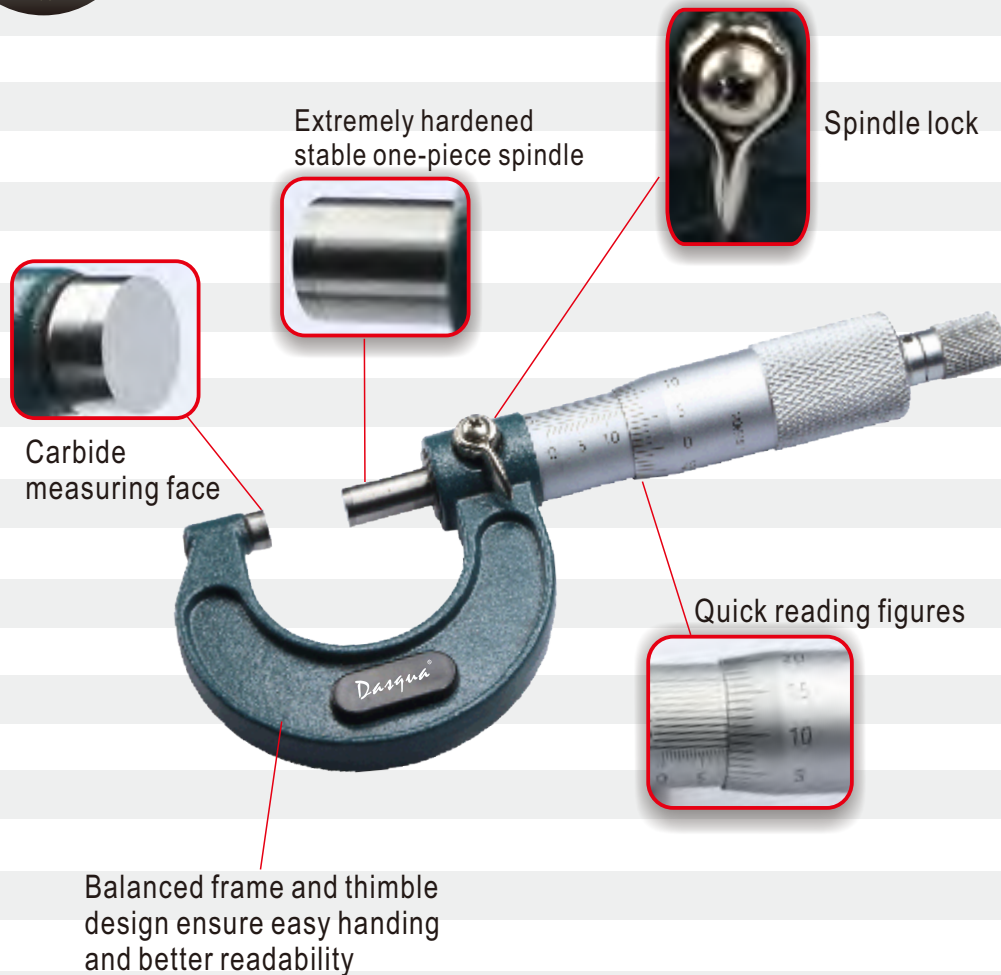
- DIN 863

- 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.
- Tapered frame for hard-to-reach places.
- 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.



Code	Metric
4111-8105	0-25mm/0.01mm
4111-8110	25-50mm/0.01mm
4111-8115	50-75mm/0.01mm
4111-8120	75-100mm/0.01mm
4111-8125	100-125mm/0.01mm
4111-8130	125-150mm/0.01mm
4111-9105	0-25mm/0.001mm
4111-9110	25-50mm/0.001mm
4111-9115	50-75mm/0.001mm
4111-9120	75-100mm/0.001mm
4111-9125	100-125mm/0.001mm
4111-9130	125-150mm/0.001mm

Code	Inch
4112-5105	0-1"/0.001"
4112-5110	1-2"/0.001"
4112-5115	2-3"/0.001"
4112-5120	3-4"/0.001"
4112-5125	4-5"/0.001"
4112-5130	5-6"/0.001"
4112-0105	0-1"/0.0001"
4112-0110	1-2"/0.0001"
4112-0115	2-3"/0.0001"
4112-0120	3-4"/0.0001"
4112-0125	4-5"/0.0001"
4112-0130	5-6"/0.0001"



OUTSIDE MICROMETER

DIN 863

- Strictly made in accordance with DIN863.
- **With black decimal equivalents on the frame.**
- Satin chrome finished forged steel frame.
- Microfine black graduations.
- Anvil and spindle hardened and precision ground, with micro-lapped ends.
- Ratchet style thimble.
- Positive locking clamp to ensure reliable measurement setting at all times.
- Carbide measuring faces.



Code	Metric	Code	Inch
4111-9103	0-25mm/0.001mm	4112-0103	0-1"/0.0001"
4111-9106	25-50mm/0.001mm	4112-0106	1-2"/0.0001"
4111-9109	50-75mm/0.001mm	4112-0109	2-3"/0.0001"

3 PIECES OUTSIDE MICROMETER SET

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.



Code	Metric/Inch
4111-8205	0-75mm/0.01mm
4112-0205	0-3"/0.0001"

DISC MICROMETER

DIN 863

- 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.

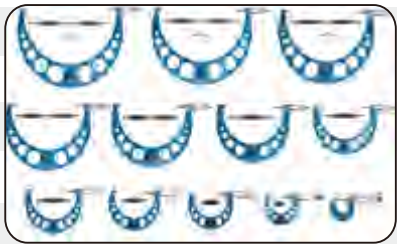


Code	Metric	Code	Inch
4111-8102	0-25mm/0.01mm	4112-5102	0-1"/0.001"
4111-8104	25-50mm/0.01mm	4112-5104	1-2"/0.001"
4111-8106	50-75mm/0.01mm	4112-5106	2-3"/0.001"
4111-8108	75-100mm/0.01mm	4112-5108	3-4"/0.001"

12 PIECES OUTSIDE MICROMETER SET

DIN 863

- 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 wooden case for all 12 micrometers.



Code	Metric/Inch
4111-8203	0-300mm/0.01mm
4112-0203	0-12"/0.0001"

DEPTH MICROMETER

DIN 863

- 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.



Code	Metric
4611-8105	0-25mm/0.01mm
4611-8110	0-50mm/0.01mm
4611-8115	0-75mm/0.01mm
4611-8120	0-100mm/0.01mm

Code	Inch
4612-5105	0-1"/0.001"
4612-5110	0-2"/0.001"
4612-5115	0-3"/0.001"
4612-5120	0-4"/0.001"

MICROMETER HEAD

- 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
4811-8105	0-6.5mm/0.01mm
4811-8110	0-13mm/0.01mm
4811-8115	0-25mm/0.01mm
4811-8120	0-50mm/0.01mm

Code	Inch
4812-5105	0-0.25"/0.001"
4812-5110	0-0.5"/0.001"
4812-5115	0-1"/0.001"
4812-5120	0-2"/0.001"

INSIDE MICROMETER

- 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.



Code	Metric
4311-8105	5-30mm/0.01mm
4311-8110	25-50mm/0.01mm
4311-8115	50-75mm/0.01mm
4311-8120	75-100mm/0.01mm

Code	Inch
4312-5105	0.2-1.2"/0.001"
4312-5110	1-2"/0.001"
4312-5115	2-3"/0.001"
4312-5120	3-4"/0.001"

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.



Code	Metric
4311-8103	50-63mm/0.01mm
4311-8106	50-100mm/0.01mm
4311-8109	50-300mm/0.01mm

Code	Inch
4312-5103	2-2.5"/0.001"
4312-5106	2-4"/0.001"
4312-5109	2-12"/0.001"

THREE POINTS INSIDE MICROMETER SET

DIN 863

- 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.



Metric	Code	Range	Graduation	Ring gage	Extension
	4411-9205	6-12mm (6-8,8-10,10-12mm)	0.001mm	6, 8,10mm	50mm
	4411-3210	12-20mm (12-16,16-20mm)	0.005mm	16mm	150mm
	4411-3215	20-50mm(20-25, 25-30,30-40,40-50mm)	0.005mm	25,40mm	150mm
	4411-3220	50-100mm(50-63, 62-75,75-88,87-100mm)	0.005mm	62,87mm	150mm
Inch	Code	Range	Graduation	Ring gage	Extension
	4412-0205	0.275-0.5"(0.35,0.35-0.425,0.425-0.5")	0.0001"	0.275",0.35",0.5"	4"
	4412-4210	0.5-0.8"(0.5-0.65",0.65-0.8")	0.0002"	0.65"	6"
	4412-4207	0.8-2"(0.8-1",1-1.2",1.2-1.6",1.6-2")	0.0002"	1",1.6"	6"
	4412-4208	2-4"(2-2.5",2.5-3",3-3.5",3.5-4")	0.0002"	2.5",3.5"	6"

DIGITAL OUTSIDE MICROMETER

DIN 863

- 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.



Code	Measuring range	Resolution
4210-2105	0-25mm/0-1"	0.001mm/0.00005"
4210-2110	25-50mm/1-2"	0.001mm/0.00005"
4210-2115	50-75mm/2-3"	0.001mm/0.00005"
4210-2120	75-100mm/3-4"	0.001mm/0.00005"

UNIVERSAL DIGITAL MICROMETERS

mm/inch

- 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.



Code	Measuring range	Resolution
4210-2103	0-25mm/0-1"	0.001mm/0.00005"
4210-2106	25-50mm/1-2"	0.001mm/0.00005"

DIGITAL QUICK-MOVE MICROMETER

Absolute

mm/inch

DIN 863

Data output



- 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.



Code	Measuring range	Graduation
4220-2105	0-25mm/0-1"	0.001mm/0.00005"
4220-2110	25-50mm/1-2"	0.001mm/0.00005"
4220-2115	50-75mm/2-3"	0.001mm/0.00005"
4220-2120	75-100mm/3-4"	0.001mm/0.00005"

DIGITAL QUICK-MOVE BLADE MICROMETER

Absolute

mm/inch

DIN 863

Data output

- 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.



Code	Measuring range	Graduation
4220-2103	0-25mm/0-1"	0.001mm/0.00005"
4220-2106	25-50mm/1-2"	0.001mm/0.00005"
4220-2109	50-75mm/2-3"	0.001mm/0.00005"

DIGITAL QUICK-MOVE DISC MICROMETER

Absolute

mm/inch

DIN 863

Data output

- 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.

IP65
COOLANT & FLUID
RESISTANT

Code	Measuring range	Graduation
4220-2104	0-25mm/0-1"	0.001mm/0.00005"
4220-2108	25-50mm/1-2"	0.001mm/0.00005"
4220-2112	50-75mm/2-3"	0.001mm/0.00005"

DIGITAL MICROMETER HEAD

mm/inch

Data output

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

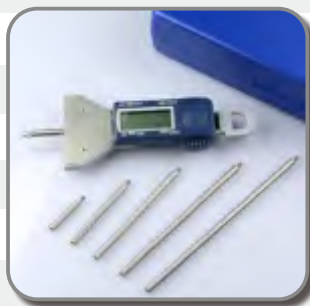


Code	Measuring range	Graduation
4910-2110	0-13mm/0-0.5"	0.0001mm/0.00005"
4910-2115	0-25mm/0-1"	0.0001mm/0.00005"

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	Graduation	Range
4710-1205	0-1"/25mm	0.0005"/0.01mm	0-22"/550mm

DIGITAL DEPTH MICROMETER



- 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	Graduation
4710-2205	0-150mm/0-6"	0.001mm/0.00005"

DIGITAL THREE POINTS INSIDE MICROMETER SET



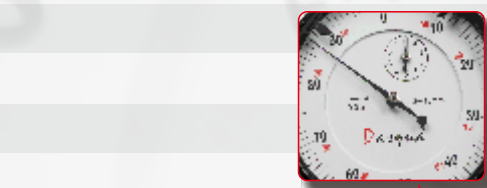
- Strictly made in accordance with DIN863.
- Direct reading from clear large easy-to-read digital display.
- Hold function.
- Self-centering micrometer hardened head; from 12mm with carbide measuring jaws.
- Extension available for deep measuring.
- Setting rings included in all sets for adjustment.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



Metric	Code	Measuring range	Graduation	Setting ring	Extension
	4511-9205	6-12mm	0.001mm	6/8/10mm	100mm
	4511-9210	12-20mm	0.001mm	16mm	150mm
	4511-9205	20-50mm	0.001mm	25/40mm	150mm
	4511-9210	50-100mm	0.001mm	62/87mm	150mm
Inch	4511-6205	0.275-0.5"	0.00005"	0.275", 0.35", 0.5"	4"
	4511-6210	0.5-0.8"	0.00005"	0.65"	6"
	4511-6215	0.8-2"	0.00005"	1", 1.6"	6"
	4511-6220	2-4"	0.00005"	2.5", 3.5"	6"

DIAL INDICATOR

- Microfine graduations in black for continuous readings.
- With traceable true calibration certificate.
- Bezel knurled; easily adjust thru 360°.
- Movement mounted independently from case on rigid supporting plate, ensuring perfect and permanent alignment.
- Extra springs for uniform pressure through entire travel of spindle.



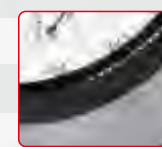
Clear easy to read.



Hard chrome plated stem, precision ground and lapped.



High quality bearings, precision gears and pinions for maximum sensitivity.



Adjustable bezel and dial easily set and reset to zero.



DIAL INDICATOR

- Strictly made in accordance with DIN878.
- Casing diameter: 58mm, shank diameter: 8mm.
- With calibration certificate.

Code	Measuring range	Scale divisions	Style
5111-1105	0-10mm	0.01mm	Flat back
5111-1205	0-10mm	0.01mm	Lug back

SHOCK-RESISTANT DIAL INDICATOR



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

Code	Measuring range	Scale divisions	Style
5121-1105	0-10mm	0.01mm	Flat back
5121-1205	0-10mm	0.01mm	Lug back



MINI DIAL INDICATOR



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

Code	Measuring range	Scale divisions	Style
5121-1101	0-3mm	0.01mm	Flat back
5121-1201	0-3mm	0.01mm	Lug back
5121-1102	0-5mm	0.01mm	Flat back
5121-1202	0-5mm	0.01mm	Lug back



0.001MM PRECISION DIAL INDICATOR



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

Code	Measuring range	Scale divisions	Style
5121-2101	0-1mm	0.001mm	Flat back
5121-2201	0-1mm	0.001mm	Lug back



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.



	Code	Measuring range	Graduation	Style
Metric	5121-1110	0-30mm	0.01mm	Flat back
	5121-1210	0-30mm	0.01mm	Lug back
	5121-1115	0-50mm	0.01mm	Flat back
	5121-1215	0-50mm	0.01mm	Lug back
Inch	5122-4210	0-1"	0.001"	Lug back
	5122-4215	0-2"	0.001"	Lug back

WATER PROOF INDICATOR

DIN 878

SHOCK-PROOF



IP54
COOLANT & FLUID
RESISTANT



- 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.

	Code	Measuring range	Reading	Protection standard
	5121-1106	0-10mm	0.01mm	IP54
	5121-2106	0-10mm	0.001mm	IP54

DIAL TEST INDICATOR

DIN 2270

SHOCK-PROOF



- Shock-resistant.
- Jeweled bearing.
- Clamping shank diameter: 8mm.
- Probe length 13.5mm/0.53".
- With two clamping spigot: Φ 4mm and Φ 8mm.
- 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	Casing diameter	Graduation
Metric	5221-1129	0.4mm	29mm	0.01mm
	5221-1140	0.4mm	40mm	0.01mm
	5221-3105	0.2mm	34.5mm	0.002mm
Inch	5222-6105	0.02"	1-1/2"	0.0005"
	5222-7105	0.008"	1-1/2"	0.0001"

BI-DIRECTIONAL TEST INDICATOR



- 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	Reading
	5222-6103	0-0.03"	0.0005"
	5222-6106	0-0.02"	0.0005"
	5222-7103	0-0.008"	0.0001"
	5221-1106	0-0.5mm	0.01mm

TEST INDICATOR WITH TWICE RANGE



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.



	Code	Measuring range	Reading	Dial	Dial reading
Inch	5222-6110	0.06"	0.0005"	1-1/2"	0-15-0
Metric	5221-1115	1.6mm	0.01mm	25mm	0-40-0

DIGITAL TEST INDICATOR

mm/inch



- 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	Graduation
	5410-8105	0-0.5mm/0.02"	0.01mm/0.0005"
	5410-8110	0-0.8mm/0.03"	0.01mm/0.0005"
	5410-9105	0-0.5mm/0.02"	0.001mm/0.0005"
	5410-9110	0-0.8mm/0.03"	0.001mm/0.0005"

DIGITAL DIAL INDICATOR

mm/inch

Data output

BEST SELLER!

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

	Code	Measuring range	Graduation
	5330-8105	0-12.7mm/0-1/2"	0.01mm/0.0005"

ABSOLUTE DIGITAL INDICATOR

Absolute

mm/inch

Data output

NEW



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

	Code	Measuring range	Graduation
	5340-8105	0-12.7mm/0-0.5"	0.01mm/0.0005"
	5340-8110	0-25.4mm/0-1.0"	0.01mm/0.0005"
	5340-8115	0-50.8mm/0-2.0"	0.01mm/0.0005"
	Code	Measuring range	Graduation
	5340-9105	0-12.7mm/0-0.5"	0.001mm/0.00005"
	5340-9110	0-25.4mm/0-1.0"	0.001mm/0.00005"
	5340-9115	0-50.8mm/0-2.0"	0.001mm/0.00005"

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	Reading
Inch	5222-6000	0-0.03"	0.0005"
Metric	5221-1000	0-0.8mm	0.01mm



TEST INDICATOR KIT WITH UNIVERSAL HOLDER



Test Indicator:

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

Set Also Includes:

- 0.080" & 0.040" contact points.
- Universal clamp.
- Height gage attachment.
- 3/8" & 1/4" dovetail clamps.
- All in a fitted molded case.

FREE Universal Holder!

	Code	Measuring range	Reading	Dial reading
Inch	5222-6001	0-0.03"	0.0005"	0-15-0
Metric	5221-1001	0-0.8mm	0.01mm	0-40-0

CENTERING INDICATOR GAUGE

- 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.
- Operators 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	Reading
Inch	5711-6100	0-0.25"	0.0005"
Metric	5712-1100	0-6mm	0.01mm

PRECISION DIAL BORE GAUGE

- 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.



Standard reading			High precision reading		
Code		Range/Reading/Depth	Code		Range/Reading/Depth
5511-1100	Metric	4-6mm X 0.01mm / 40mm	5511-2100	Metric	4-6mm X 0.001mm / 40mm
5511-1105		6-10mm X 0.01mm / 40mm	5511-2105		6-10mm X 0.001mm / 40mm
5511-1110		10-18mm X 0.01mm / 100mm	5511-2110		10-18mm X 0.001mm / 100mm
5511-1115		18-35mm X 0.01mm / 150mm	5511-2115		18-35mm X 0.001mm / 150mm
5511-1120		35-50mm X 0.01mm / 150mm	5511-2120		35-50mm X 0.001mm / 150mm
5511-1125		50-100mm X 0.01mm / 150mm	5511-2125		50-100mm X 0.001mm / 150mm
5511-1130		50-160mm X 0.01mm / 150mm	5511-2130		50-160mm X 0.001mm / 150mm
5511-1135		160-250mm X 0.01mm / 400mm	5511-2135		160-250mm X 0.001mm / 250mm
5511-1140		250-450mm X 0.01mm / 400mm	5511-2140		250-450mm X 0.001mm / 250mm
Code		Range/Reading/Depth	Code		Range/Reading/Depth
5512-6105	Inch	0.24-0.4" X 0.0005" / 1.57"	5512-7105	Inch	0.24-0.4" X 0.0001" / 1.57"
5512-6110		0.4-0.7" X 0.0005" / 4"	5512-7110		0.4-0.7" X 0.0001" / 4"
5512-6115		0.7-1.5" X 0.0005" / 6"	5512-7115		0.7-1.5" X 0.0001" / 6"
5512-6120		1.4-2.4" X 0.0005" / 6"	5512-7120		1.4-2.4" X 0.0001" / 6"
5512-6125		2-4" X 0.0005" / 6"	5512-7125		2-4" X 0.0001" / 6"
5512-6130		2-6" X 0.0005" / 6"	5512-7130		2-6" X 0.0001" / 6"
5512-6135		6-10" X 0.0005" / 16"	5512-7135		6-10" X 0.0001" / 16"
5512-6140		10-16" X 0.0005" / 16"	5512-7140		10-16" X 0.0001" / 16"

TWICE RANGE DIAL TEST INDICATOR KIT

Twice the range of most test indicators!

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	Reading	Dial reading
Inch	5222-6002	0.06"	0.0005"	0-15-0
Metric	5221-1002	1.6mm	0.01mm	0-40-0

DIAL DEPTH GAUGE

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



	Code	Measuring range	Graduation	Depth
Inch	5822-4100	0-1"	0.001"	up to 6"
Metric	5821-1100	0-10mm	0.01mm	up to 100mm

NEW

The smallest measuring range bore gauge in industry!

— 4-6mm X 0.01/0.001mm



COMBINED RANGE DIAL BORE GAUGE SET

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.



Code	Measuring range	Graduation
5510-0000	35-160mm/1.4-6"	0.01mm/0.0005"

DIGITAL DIAL BORE GAG

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



Code	Measuring range	Graduation	Depth
5610-8105	6-10mm/0.24-0.4"	0.01mm/0.0005"	40mm/1.57"
5610-8110	10-18mm /0.4-0.7"	0.01mm/0.0005"	100mm/4"
5610-8115	18-35mm0.7-1.5"	0.01mm/0.0005"	125mm/5"
5610-8120	35-50mm/1.4-2.4"	0.01mm/0.0005"	150mm/6"

TELESCOPING GAUGE SET

- Great tool for easy and accurate measures 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.

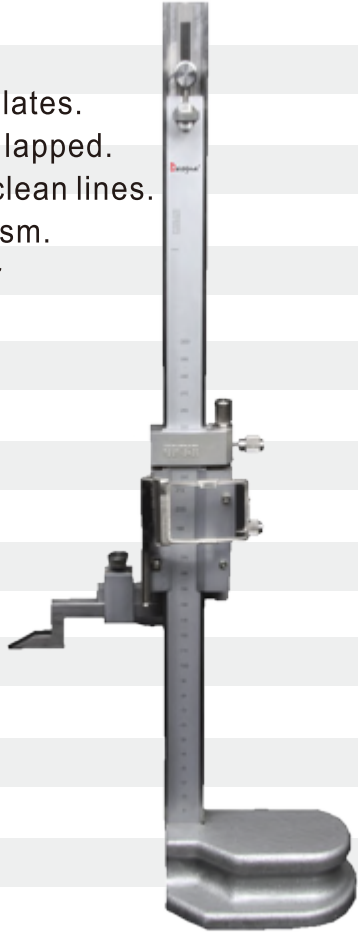


Long reach up to 150mm/12"

	Code	Measuring range	Depth
Metric	5912-0001	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"	up to 12"
	5912-0002	5/16-1/2", 1/2-3/4", 3/4-1-1/4", 1 1/4-2 1/8", 2 1/8-3 1/2", 3 1/2-6"	up to 6"
Inch	5911-0001	8-12.7mm, 12.7-19mm, 19-32mm, 32-54mm, 54-90mm, 90-150mm	up to 300mm
	5911-0002	8-12.7mm, 12.7-19mm, 19-32mm, 32-54mm, 54-90mm, 90-150mm	up to 150mm

HEIGHT GAUGE WITH MAGNIFYING GLASS

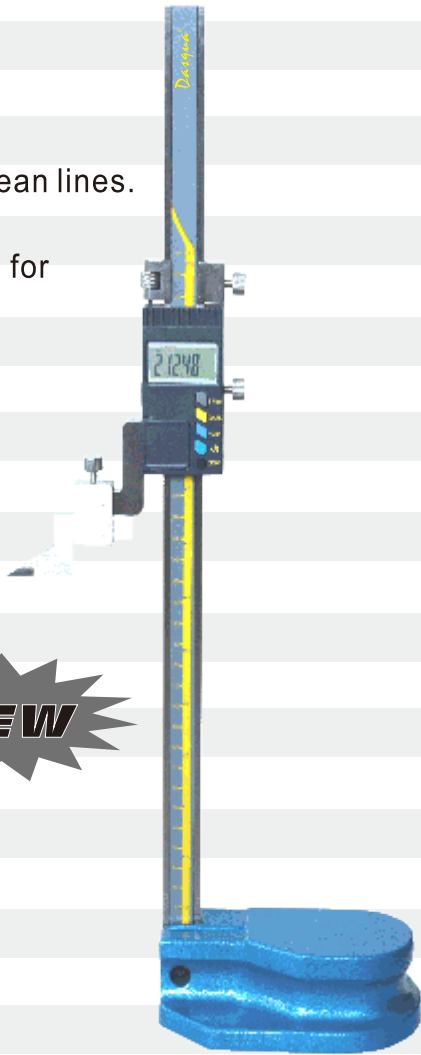
- Magnifying glass enlarge the reading.
- Adjustable scale.
- Satin-chrome finish on all scales and plates.
- Beam and slide hardened, ground and lapped.
- Carbide tipped scriber making sharp, clean lines.
- Ultra-smooth fine adjustment mechanism.
- Base hardened, ground and lapped for maximum flatness.



Code	Measuring range	Reading
3110-6105	300mm	0.02mm
3110-6110	450mm	0.02mm
3110-6115	500mm	0.02mm
3110-6120	600mm	0.02mm
3110-6125	1000mm	0.02mm
3110-6130	1500mm	0.02mm

ABSOLUTE DIGITAL HEIGHT GAUGE

- **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.
- Zeros-setting at any position.



Code	Measuring range	Reading
3130-8105	0-6"/0-150mm	0.0005"/0.01mm
3130-8110	0-8"/0-200mm	0.0005"/0.01mm
3130-8115	0-12"/0-300mm	0.0005"/0.01mm



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.



Code	Measuring range	Reading
3130-8103	0-12"/0-300mm	0.0005"/0.01mm
3130-8116	0-24"/0-600mm	0.0005"/0.01mm

DOUBLE-BEAM DIAL HEIGHT GAUGE

- 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 scriber making sharp, clean lines.
- Base hardened, ground and lapped for maximum flatness.



Code	Measuring range	Dial graduation	Counter graduation
3221-1105	0-300mm	0.01mm	1mm
3221-1110	0-500mm	0.01mm	1mm
3221-1115	0-600mm	0.01mm	1mm

DOUBLE-BEAM DIGITAL HEIGHT GAUGE



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



Code	Measuring range	Reading
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"

NEW DUAL READING DIGITAL AND DIAL HEIGHT GAUGE

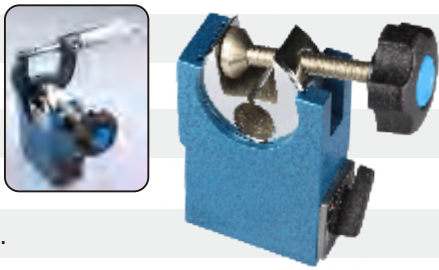
- Large dial indicator and the large easy-to-read digital display.
- Carbide tipped scriber making sharp, clean lines.
- Shock and dust proof.
- Base hardened, ground and lapped for maximum flatness.
- Double stainless beams assure high accuracy.
- Silky smooth movement throughout.



Code	Measuring range	Dial graduation	Counter graduation
3222-4105	0-12"	0.001"	0.1"

MAG BASE MICROMETER STAND

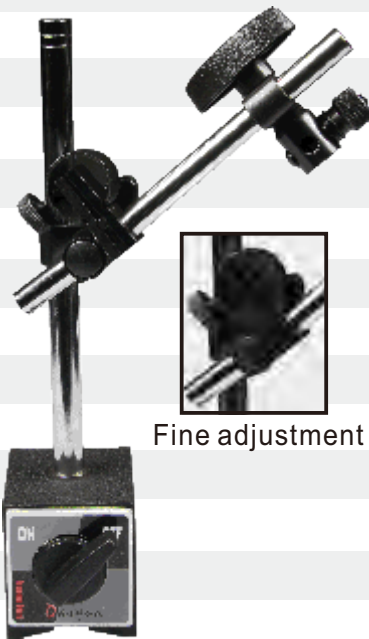
- Holds standard micrometers up to 300mm/12" firmly to metal surfaces.
- Use at machine centers, work, assembly and inspection stations, steel shelves and tables.
- Magnetic base with on/off switch.
- Clamp can be vertically rotated and locked.
- V-bottom for mounting on cylindrical surfaces.
- Blue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



Code	Holding range
7111-1000	up to 300mm/12"

MAGNETIC BASE WITH FINE ADJUSTMENT

- 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.



Fine adjustment

Code	Holding power
7122-0005	60KG
7122-0010	80KG
7122-0015	100KG

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
7122-0020	80KG

HYDRAULIC MAGNETIC BASE

Code	Holding Power
7412-0005	80KG

- 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.



MAGNETIC BASE WITH MECHANICAL 3-D JOINTED ARMS

- Ball joints enable quick and easy positioning.
- Countinuously adjustable claming force with high stability.
- All pivots are controlled by one tightening knob.
- Mechanincal 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
7312-0005	30KG
7312-0010	80KG
7312-0015	100KG
7312-0020	130KG

MINI MAGNETIC HOLDER

- 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.



7521-0005

7521-0010 V-groove

Code	Holding Power	Base Dimension
7511-0005	10KG	Φ30×25mm
7521-0005	20KG	73*37*12
7521-0010	20KG	73*37*26

7511-0005

MAGNETIC BASE



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

Code	Holding Power	Base Dimension	Tapped Hole
7000-0005	80KG	60*50*55mm	M8×1.25
7000-0010	100KG	73*50*55mm	M8×1.25
7000-0015	130KG	117*50*55mm	M8×1.25
7000-0020	30KG	36*30*35mm	M5×0.8

SURFACE GAUGE WITH SWITCHABLE MAGNETIC BASE



- 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.

Code	Holding Power
7123-0005	80KG



7120-0010

FLEX CHROME MAG BASE WITH DIAL INDICATOR SET

NEW

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	Measuring range	Graduation
Inch	7611-2005	0-1"	0.001"
Metric	7611-1005	0-10mm	0.01mm



MINI LED LIGHT WITH MAGNETIC BASE

Great for auto-preparing work.

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

Code	7611-0020
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NEW



UNIVERSAL PRECISION MEASURING TABLE WITH GRANITE BASE

DIN 876

- 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 setting are individually made without disturbing others.
- There 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
7812-0005	150*100mm
7812-0010	260*140mm



PROTRACTOR

- 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
1011-1005	85X150
1012-1005	80X120
1012-1010	120X150
1012-1020	150X200
1012-1030	200X300

NEW INDUSTRIAL DIGITAL PROTRACTOR

- 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).

BEST SELLER!

NEW



Code	Measuring range	Graduation	Diameter of protractor	Length of blade
1022-1005	120X150mm	0.05°	132mm	161.5mm
1022-1010	150x200mm	0.05°	158mm	211.5mm
1022-1015	200x300mm	0.05°	221mm	311.5mm

FLEX CHROME MAG BASE WITH DIGITAL INDICATOR SET

Absolute

NEW

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.

Code	Measuring range	Graduation
7611-0010	0-1"/0-25mm	0.0005"/0.01mm



DISC AND ROTOR FLEX CHROME KITS SET

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.

Code	7611-0025
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NEW

PRECISION MEASURING TABLE WITH CAST IRON BASE

DIN 876

- 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.



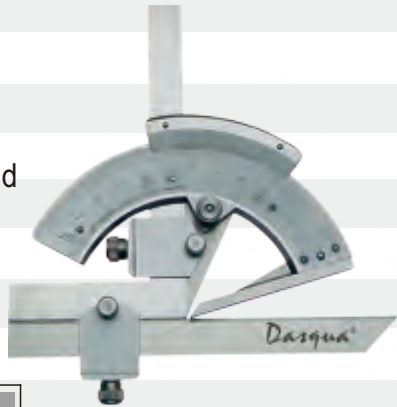
7712-0005

7712-0010/0015

Code	Base
7712-0005	Φ 50 mm
7712-0010	80mm*80mm
7712-0015	115*97mm

UNIVERSAL PROTRACTOR

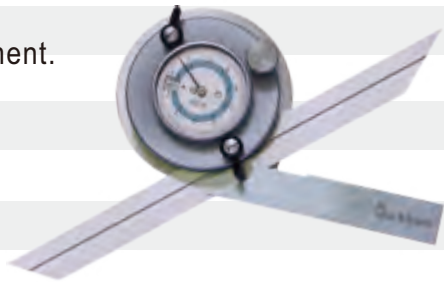
- Solid stainless steel.
- With fine adjustment.
- All measuring faces are hardened, ground and lapped.
- Satin chrome plated scale.



Code	Measuring range	Reading
1012-2005	0-320°	2'

UNIVERSAL DIAL PROTRACTOR

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



Code	Measuring range	Reading
1031-2010	0-360°	5'

UNIVERSAL BEVEL PROTRACTOR WITH FINE ADJUSTMENT



- 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	1031-2005
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UNIVERSAL 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.



Code	Measuring range	Reading	Accuracy
1021-2005	0-360°	1"	5"
1021-2010	0-360°	1"	0.25"

MASTER 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

SQUARE PRECISION LEVEL

DIN 877

- Strictly made inaccordance 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	150x150mm	0.05mm
8301-0006	200x200mm	0.05mm
8301-0009	250x200mm	0.05mm
8301-0013	300x200mm	0.05mm

DIGITAL ANGLE GAUGE WITH FLIP-OUT DISPLAY

- With flip-out tilting display.
- Ultra-precise magnetic gauge sets the angle of saw blades, jointer fences, bandsaw tables and drill press tables.
- Measures both absolute level and relative bevel with reading that are always visible.
- V-groove in base for round objects like pipe and drill bits.
- Specifications:
Range: +/- 180 degrees
Reading: 0.1 degrees
Accuracy: +/- 0.1 degrees
Repeatability : +/- 0.1 degrees
Size: 2.2" x 2.3" x 1.3"

Code	8400-0000
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90° BEVELED EDGE SQUAREDIN
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.

Code	Size	Standard
9111-1102	25X20	DIN875/ 0
9111-1104	40x28	DIN875/ 0
9111-1105	50X40	DIN875/ 0
9111-1110	75X50	DIN875/ 0
9111-1115	100X70	DIN875/ 0
9111-1120	150X100	DIN875/ 0
9111-1125	200X130	DIN875/ 0

90° FLAT EDGE SQUARE WITH HEAVY BASEDIN
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.



Code	Size	Standard
9212-1104	50X40	DIN875/ 0
9212-1108	75X50	DIN875/ 0
9212-1112	100X70	DIN875/ 0
9212-1116	150X100	DIN875/ 0
9212-1118	200X130	DIN875/ 0

90° FLAT EDGE SQUARE WITH WIDE BASEDIN
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.
- Satin chrome finished.
- Grade " 00 & 1 "optional.

Code	Size	Standard
9212-1105	50X40	DIN875/ 0
9212-1110	75X50	DIN875/ 0
9212-1115	100X70	DIN875/ 0
9212-1120	150X100	DIN875/ 0
9212-1125	200X130	DIN875/ 0

**45° SQUARE WITH WIDE BASE**DIN
875

- 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.

Code	Size	Standard
9222-3105	120X80	DIN875/ 1
9222-3110	150x100	DIN875/ 1
9222-3115	200x130	DIN875/ 1

**135° SQUARE WITH WIDE BASE**DIN
875

- 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	Size	Standard
9222-3102	120X80	DIN875/ 1
9222-3104	150x100	DIN875/ 1
9222-3106	200x130	DIN875/ 1

**5PCS MACHANIST SQUARE SET**DIN
875

- Inspection test faces ground.
- Satin chrome finished.
- Die maker's squares, stainless 25×20 mm and 40×28 mm.
- Gauge block marking scribe 60×8×8 mm.
- Straight edge 100 mm (DIN 874).
- Stainless steel stock square 75×50 mm (DIN 875).

Code	9383-2205
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**STRAIGHT EDGE**DIN
874

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

Code	Size	Standard	Material
9131-2105	75	DIN874/ 00	Stainless Steel
9131-2110	100	DIN874/ 00	Stainless Steel
9131-2115	125	DIN874/ 00	Stainless Steel
9131-2120	150	DIN874/ 00	Stainless Steel
9131-2125	200	DIN874/ 00	Stainless Steel

**ADJUTABLE BEVEL SQUARE**DIN
875

- 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 lapped.
- The straight edge can be moved and locked by the clamping screw.
- Hardened stainless steel.

Code	Size	Standard
9161-1105	40X22X10	DIN875/ 0

**MEASURING BEVEL**DIN
875

- 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.

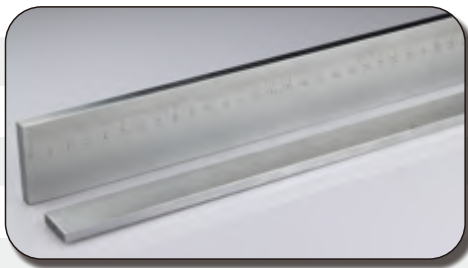
Code	Size	Standard
9251-1105	200mm	DIN875/ 0
9251-1110	250mm	DIN875/ 0
9251-1115	300mm	DIN875/ 0
9251-1120	400mm	DIN875/ 0
9251-1125	500mm	DIN875/ 0



FLAT STRAIGHT EDGES

DIN 874

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



Code	Description	Grade
9333-3105	500mm	1
9333-3110	1000mm	1
9333-3115	1500mm	1
9333-3120	2000mm	1
9333-3125	3000mm	1

V-BLOCK & CLAMP SET

- 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	Capacity * Heigh * Width * Length	Grade
Metric	8101-0005	38x44x63x70mm	0.01mm
	8101-0010	54x70x89x124mm	0.01mm
Inch	8102-0005	1-1/2x1-3/4x2-1/2x2-3/4"	0.0005"
	8102-0010	2-1/5x2-3/4x3-1/2x4-7/8"	0.0005"

MARKING GAUGE

DIN 875

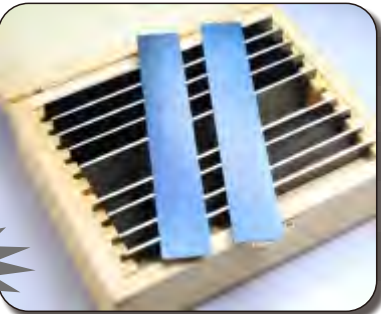
- Cleanly engraved scale.
- Hardend stainless steel.
- Satin chrome finish.
- Packed in fitted case.



Code	Size	Graduation
9241-3105	200X0.1mm	0.1mm
9241-3110	250X0.1mm	0.1mm
9241-3115	300X0.1mm	0.1mm

EXTRA THIN PREMIUM PARALLEL SET

- 10 pairs,150mm/6" length, 0.8mm/ 1/32" width.
- Made from high-grade alloy steel,hardened and ground.
- Height specifications relate to consistency within each pair.
- Parallelism:±0.01mm/0.0005".
- Hardness:50 HRC.



	Code	Description	Including
Inch	8202-0005	10 pairs 1/32 X 6"	1/2",5/8",3/4",7/8",1",1-1/8",1-1/4",1-3/8",1-1/2",1-5/8"
Metric	8201-0005	10 pairs 0.8 X 150mm	12,14,16,18,20,22,24,26,28,30mm

PREMIUM PARALLEL SET

- Made from high-grade alloy steel, hardened and ground.
- Height specifications relate to consistency within each pair.
- Parallelism:±0.01mm/0.0005".
- Hardness:50 HRC.



	Code	Length*Thickness	Metric/Inch
Metric	8201-0010	14 pairs 150 X 10 mm	14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40, 45, 50 mm
Inch	8202-0010	9 pairs 6" X 1/4"	3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-5/8", 1-3/4"



Traditional high-grade steelcarefully hardened and stress-relieved

Well lapped measuring faces for high accuracy

Edges slightly bevelled for protection

CALIBRATION GAUGE BLOCK SET

DIN 861

- Strictly made in accordance with DIN861.
- 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.

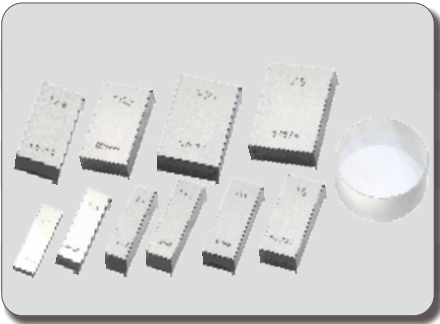


	Code	Setquantity	Contents	
			Pcs	Class
Metric	6111-1232	32	1 piece of 1.00mm 1 piece of 1.005mm 10 pieces of 1.01-1.10mm /0.01mm 9 pieces of 1.20-2.0mm /0.10mm 8 pieces of 3.0-1.0mm /1.0mm 2 pieces of 30-30mm /10.mm 1 pices of 50mm	1
	6111-1247	47	1 piece of 1.005mm 21 pieces of 1.00-1.20mm /0.01mm 8 pieces of 1.3-2.0mm /0.10mm 8 pieces of 3.0-10.mm /1.00mm 9 pieces of 20-100mm /10.00mm	1
	6111-1287	87	1 piece of 0.5mm 1 piece of 1.0mm 9 pieces of 1.001-1.009mm /0.001mm 50 pieces of 1.01-1.5mm /0.010mm 17 pieces of 2-10mm /0.500mm 9 pieces of 20-100mm /10.000mm	1
	6111-1201	103	1 piece of 0.5mm 1 piece of 1.0mm 1 piece of 1.005mm 50 pieces of 1.01-1.5mm /0.01mm 47 pieces of 2.0-25mm /0.5mm 1 piece of 50mm 1 piece of 75mm 1 piece of 100mm	1
Inch	6111-3236	36	1 piece of 0.10005" 9 pieces of 0.1001"-0.1009" /0.0001" 9 pieces of 0.101"-0.109" /0.001" 9 pieces of 0.11"-0.19" /0.01" 5 pieces of 0.1"-0.5" /0.1" 1 piece of 1" 1 piece of 2" 1 piece of 4"	1
	6111-3281	81	1 piece of 0.05" 10 pieces of 0.1000"-0.1009" /0.0001" 49 pieces of 0.101"-0.149" /0.001" 17 pieces of 0.150"-0.950" /0.050" 4 pieces of 1.000"-4.000" /1.000"	1

MICROMETER 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 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 Ø30mm.
- Grade "0 & 00" optional.
- Supplied in fitted case.

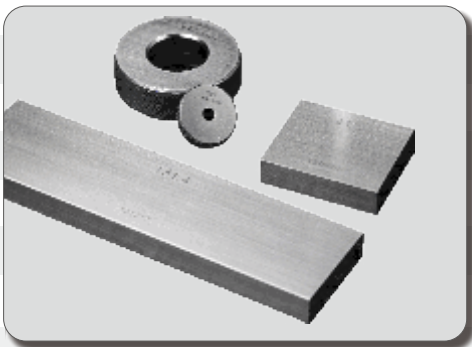


Code	Grade
6111-1211	1

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 .
- 1 each gauge block: 41.3/131.4/243.5/281.2mm
- Setting ring dimension: 20/4mm.
- Grade "0 & 00" optional.



Code	Grade
6111-1204	1

THREAD GAUGE SET

DIN 13

- 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	Measuring range	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
6311-3202	M3,M4,M5.M6,M8,M10,M12	GO & NO-GO plug gauge

PIN GAUGE SET

DIN 2269

- 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	Measuring range	Reading
Metric	6211-4205	91 pcs	1-10mm with 0.1mm step
	6211-4210	273 pcs	1-10mm with 0.1mm step
Inch	6212-4205	190 pcs	0.061"-0.250" / 0.0002"
	6212-4210	250 pcs	0.251"-0.5000" / 0.0002"

UNIVERSAL CUTTER ANGLE GAUGE

- Easily verifies the angles of the top point of all kinds 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: 80X80 mm.
- Packed in pouch.



Code	8511-0005
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WELD SEAM GAUGE

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



Code	Grade
8531-0005	20 x 0.1mm

TAPER GAGES

- 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 convenient sizes.
- Thin, tapered leaves graduated to measure inside diameters or widths from metric size 1mm-60mm by 0.1mm and inch size 1/16"-2 3/8" in 1/64"another side.

Code	Min.	Max.
8522-0005	1/16"	5/8"
8522-0010	5/8"	1-3/16"
8522-0015	1-3/16"	1-3/4"
8522-0020	1-3/4"	2 3/8"

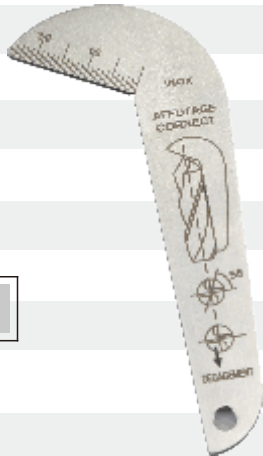
Code	Min.	Max.
8521-0005	1mm	15mm
8521-0010	15mm	30mm
8521-0015	30mm	45mm
8521-0020	45mm	60mm



DRILL POINT GAUGE

- Made of stainless steel, polished.
- Used for drills with tip angle 118°, up to Ø50mm.
- Hardened, ground and lapped.
- Long working life-time.

Code	8511-0010
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REMARK



REMARK

