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werka

CATALOGUE - 241

Werka Co., Ltd

WELCOME TO WERKA!

WERKA AG

Founded in 1950, Werka AG is located in Zurich, Swiss, known for its innovative idea and cutting-edge technology.





WERKA Deutschland GmbH

Founded in 2012, Werka Deutschland GmbH is located in Frankfurt, focusing on the design and manufacturing of measuring and inspection equipment made in Germany.

WERKA Co.,Ltd

Headquartered in Shanghai, Werka Co,. Ltd owns Wuxi branch, Wuxi factory, Suzhou factory and Chongqing office, focusing on the R&D, manufacturing of 2D, 3D measuring and inspection equipment, non-standard gauges and online automatic measuring and inspection system as well as the calibration service with German quality. It is capable of developing the intelligent measuring software platform so as to cater for customers with standard, modular and digital solutions on a defined platform.

WERKA, online intelligent measuring provider, is ready to make your dream of intelligent manufacturing come true.



WERKA Co.,Ltd has passed
the ISO9001:2015 quality system certification.





Werka,an intelligent on-line measuring professional, enables you to realize the smart manufacturing, focusing on offering 3D measuring equipment, 2D visual and special gauges, semi-automatic and fully automatic measuring equipment as well as solutions of standardized, modularized and digitalized general measuring tools on a defined platform.

COMPANY PROFILE

VALUE

Kindness: care about others
Integrity: walk the talk
Respect: mutual respect
Initiative: resolute and responsible

MISSION

In pursuit of excellence

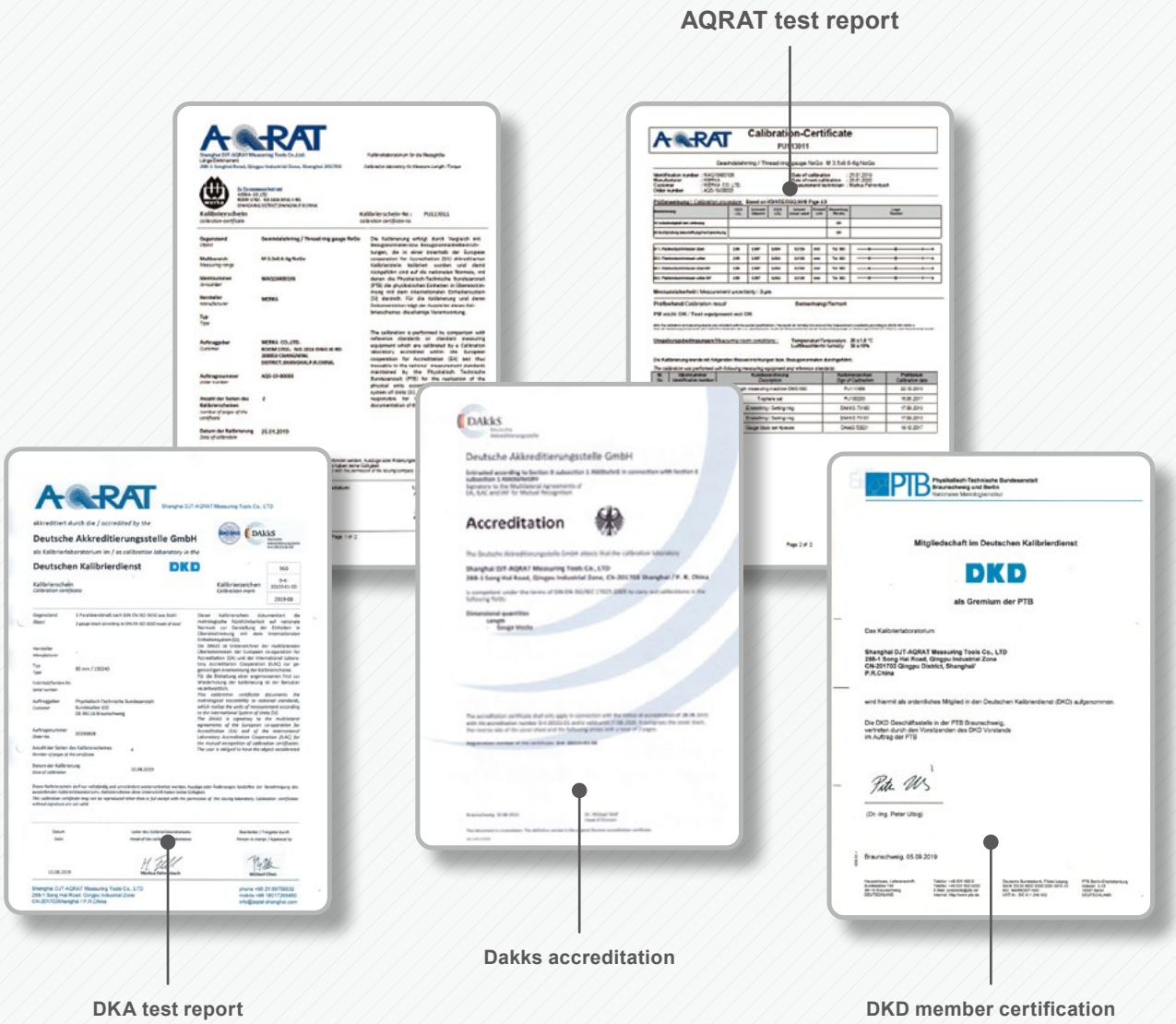
VISION

A global intelligent measuring leade

Shanghai DJT-AQRAT Measuring Tools Co.,Ltd.

AQRAT Lab ensures products made by and/or delivered by WERKA are in compliance with DIN standard. It is the exclusive Dakks certified length measurement lab in China, which is highly relevant to PTB the top quality inspection and supervising organization.

In general, PTB designates experts along with equipment to AQRAT to examine and verify its authority of length measurement each year. In addition, AQRAT is the first option for German companies in China to test, calibrate, re-inspect and repair measuring equipment and gauges.



Werka Co.,Ltd









Our AQRAT Lab is highly relevant to PTB Germany.





Werka Co.,Ltd

Werka intelligent manufacturing base



· +Gf+ Agiecharmilles Slow-Feeding Wire-Cut Machine



· Jig Grinding Machine Workshop



· Test Lab

Werka intelligent manufacturing base



· Makino High Speed Cnc



· Amada Surface Grinder

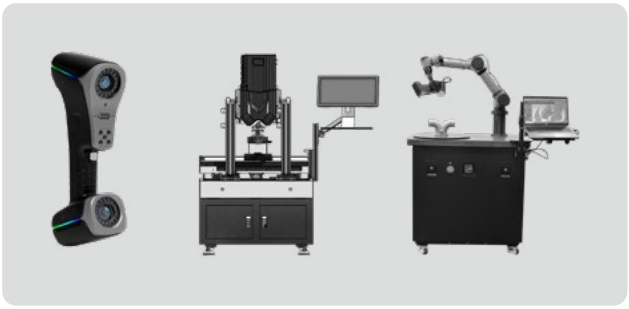


· Electro-Machining Workshop

Excellent quality

Swiss technology gauges the future intelligently

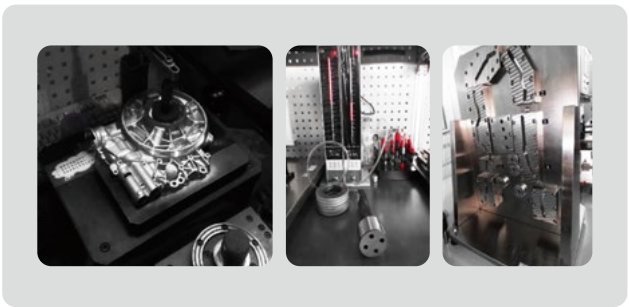
01 3D measurement



02 Semi-automatic And fullly automatic measuring equipment



03 Special gauges



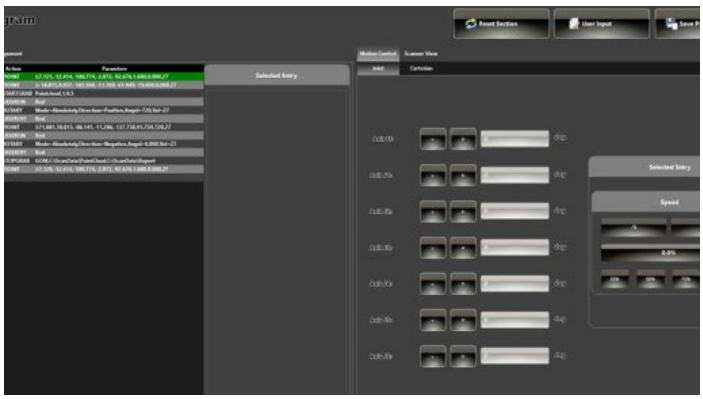
04 General measuring tools

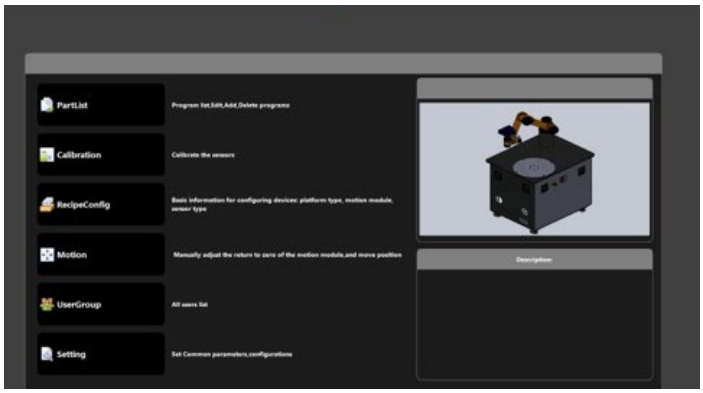


Werka, an intelligent on-line measuring professional, enables you to realize the smart manufacturing.

Werka Co.,Ltd

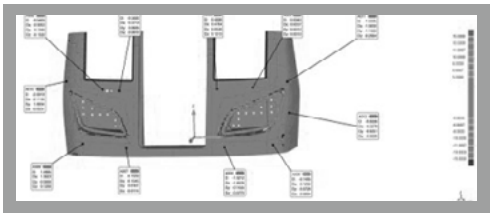
Swiss technology gauges the future intelligently





WERKA takes root in China and is committed to offering on-line measuring solutions for China's intelligent manufacturing in a way to facilitate Industry 4.0.

We're ready to make special gauges for customers, offer semi-automatic and fully automatic equipment, 3D optical and visual measurements, measuring sulutions as well as data integration for business partners.



Werka, an intelligent on-line measuring professional.



Werka Co.,Ltd



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EXPLANATION

In our catalogue you will find several pictograms beside the description

- **WERKA Premium**
- **Patented Item**
- **With Tol-Alarm Function**
- **Data Output**
- **WERKA Inspection Certificate**
- **LAB Inspection Certificate**
- **Wireless Transmission**
- **New Produts**

Bluetooth®

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EXCELLENT · QUALITY

A GLOBAL INTELLIGENT MEASURING LEADE

Werka Co.,Ltd



3D MEASUREMENT

3D INTELLIGENT MEASURING WORK STATION

•

3D SCANNER

•

3D TRACKING SCANNER

•

3D DEFECT DETECTION

•

•

•

3D Intelligent Measuring Work Station



Description

- Velocity-5-10 times faster than CMM, robot arm and scanner
- User friendly - No professional robot programmers are required, the Smart 3D software with universal interface is available
- Shock absorption design: fast and movable deployment in workshops
- High precision- up to 0.03mm
- Value- highest productivity and lowest cost achieved against other automated measuring systems
- Standardization - easy to use and replaceable module
- Security - Co-bots to avoid accidents
- Mixed measurement-Smart3D supports the combination of 2D visual, 3D scan and measuring devices
- Bilateral control - logical Input and output in compliance with industry standard, applicable for PLC,SCADA,HMI, Interlock and other systems

3D Intelligent Measuring Work Station	
Art. No.	*110-0001*
Model	*Smart3D Measurement Station*
3D Scanner functionality	*3D line laser/ 3D structured light/ hand-held scanner*
Robot	*T*
Robot working radius	*0.88m(customizable)*
Robot workload	*5Kg(customizable)*
additional shaft support (e.g. rotator, guide)	*Yes*
Cooperative option	*Yes*
Typical component dimension	*Medium*

3D Scanner

NEW



Description

Art.No.	*112-TE5002*	*112-TE5004*	*112-TE5006*	*112-TE5008*	*112-TE50-DZ*
Scan speed	*265,000 times/second*	*350,000 times/second*	*480,000 times/second*	*1,360,000 times/second*	*350,000 times/second ~ 1,360,000 times/second*
Scanning area	*320x250 mm*	*320x250 mm*	*320x250 mm*	*320x250 mm*	*600x550 mm*
Light source	*Red/blue (6 beam crossed laser lines + 1 laser line beam)*	*Red/blue (10 beam crossed laser lines + 1 laser line beam)*	*Red/blue (14 beam crossed laser lines + 1 laser line beam)*	*Red/blue (22 beam crossed laser lines + 1 laser line beam)*	*Red/blue (Multiple crossed laser lines can be customized)*
Laser class	*Class II*				
Resolution	*0.1 mm*	*0.05mm*	*0.05mm*	*0.05mm*	*0.05mm*
Wireless computing unit	*Support*				
Photogrammetry	*Built-in*				
Circular hole quick measurement	*Support*				
Accuracy	*Max 0.02 mm*				
Volumertric accuracy	*0.02 mm+0.05mm/m*	*0.02 mm+0.05mm/m*	*0.02 mm+0.03mm/m*	*0.02 mm+0.025mm/m*	*0.02 mm+0.03mm/m*
Coordmeasis	*0.02 mm+0.025mm/m*	*0.02 mm+0.025mm/m*	*0.02 mm+0.015mm/m*	*0.02 mm+0.015mm/m*	*0.02 mm+0.02mm/m*
Stand off	*350 mm*				*550 mm*
Depth of field	*250 mm*				*350 mm*
Compatible software	*Geomagic solutions, Polyworks, CATIA V5, Solidworks, PRO/E, Inventor, Alias, 3ds Max, Maya, NX, Solid Edge*				
Connection standard	*USB3.0/ Wifi*				
Operation temperature	*-20 ~ 40℃*				
Operation humidity	*10% ~ 90%RH*				

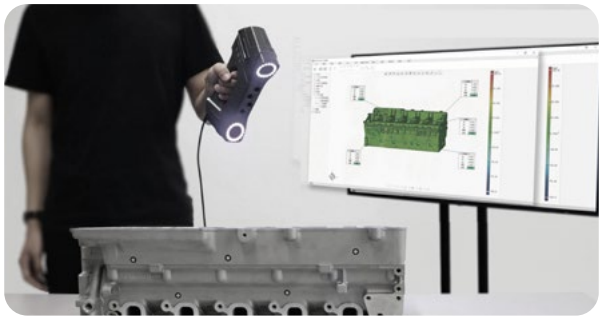
3D Scanner

Description

- Multi mode composite 3D scanner
- Large format scanning mode, improving scanning efficiency, suitable for mold scanning work with ultra large format
- Multi mode switching,measurement rate up to 2.1 million times/second, single frame efficiency increased by 300%
- Metrology-grade precision and low cumulative error.
- High speed and silk-smooth scanning experience
- Stable repeatability
- Built for all scenarios, the more complex workpieces, the better performance of scanning







Art.No.	112-CS10010	112-CS10030	112-CS10050	112-CS10070	112-CS10090
Scan speed	1,650,000 times/second	1,650,000 times/second	2,100,000 times/second	2,020,000 times/second	2,020,000 times/second
Scan mode	High-speed scanning, large-area scanning, deep-hole scanning, fine scanning(optional)				
Light source	30 beam crossed laser lines + 1 laser line beam	14 beam crossed laser lines + 1 laser line beam	30 beam crossed laser lines + 1 laser line beam	22 beam crossed laser lines + 1 laser line beam	22 beam crossed laser lines + 1 laser line beam
Laser class	Class 2M				
Resolution	0.01 mm Up to 0.01mm				
Accuracy	0.03 mm	0.02 mm	0.01mm+-0.02mm	0.015 mm	0.012 mm
Depth of field	620 mm				
Scanning range	100mm ~ 5000mm				
Volumertric accuracy	0.03+0.06mm/m	0.010mm+0.05mm/m 0.01mm+-0.15mm/m(with photogrammetry)		0.020mm+0.040mm/m	0.012mm+0.020mm/m
Compatible software	Geomagic solutions, Polyworks, CATIA V5, Solidworks, PRO/E, Inventor, Alias, 3ds Max, Maya, NX, Solid Edge				
Output formats	.ply, .obj, .vtk, .stl, .off, .ma, .txt, .asc, .neu, .xyz, .scv, .pn, .pv, .pov, ...(customizable)				
Connection standard	USB3.2				
Operation temperature	-20 ~ 40℃				
Operation humidity	10% ~ 90%RH				



3D Tracking Scanner

Description

- 3D optical dynamic tracking system
- No need stickers for regular use, instant scanning, intelligent tracking, and improved work efficiency
- Super adaptability, environmental perception, and easy access to three-dimensional data of bright and black objects
- Metrology-grade precision and low cumulative error
- Single station measurement: No need to sticker, scan directly
- Multi station measurement: measurement of oversized workpieces with min sticker positioning
- The scanner and tracker can be connected by cable or wireless
- Support multi tracker and multi site linkage



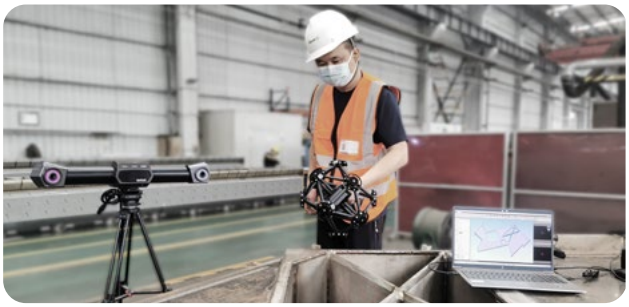
TrackScan



Probe



SeeTrack



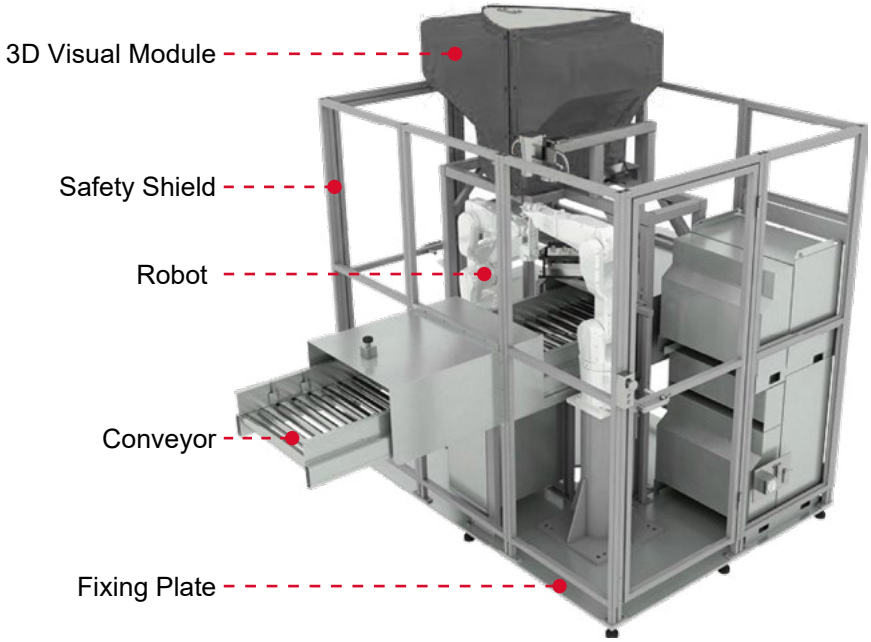
Description

Art.No.	*113-ST20*	*113-PR60*
Scan speed	*1,300,000 times/second*	*2,100,000 times/second*
Tracking light sources	*Infrared light source*	
Light source	*3-in-1 Laser, 22 blue cross laser lines+1 blue laser line (customizable)*	*5-in-1 Laser, 41 blue crossed laser lines (standard 26 crossed laser lines+fine 14 crossed laser lines+1 blue laser line)*
Laser class	*Class II*	
Resolution	*0.02 mm Up to 0.02mm*	
Accuracy	*0.025 mm*	
Deep hole scanning	*Support*	
Depth of field	*250 mm*	
Max scanning frame	*Max 600x550 mm*	
Volumertric accuracy	*0.064 mm(9.1m³) 0.078 mm(16.6m³)*	*0.060 mm(9.1m³) 0.075 mm(16.6m³)*
CoordMeasis	*0.044mm + 0.015mm/m*	
Optical stylus single point repeatability	*0.030 mm*	
Output formats	*.STL, .OBJ, .PLY, .ASC, .TXT, .RSC, ...(customizable)*	
Connection standard	*USB3.0/Wifi*	
Operation temperature	*-20 ~ 40℃*	
Operation humidity	*10% ~ 90%RH*	

3D Defect Detection

- To decrease the error of 2D visual measurement and accurately identify various defects of highly bright and transparent components
- Art. No. : 111-0002





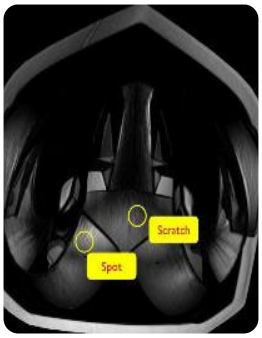


Scratch Spot Imperfect Coating Pinhole Mark



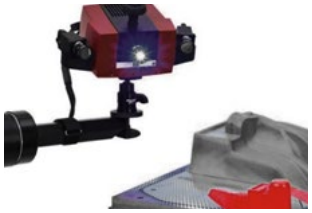
Pit Fine Pore Bump Burning Bubble





Open Service Platform

- 3D Dimensional measurement, flaw detection, reverse modeling available
- 3D structured light measuring system
- 3D Line laser Measuring system
- Defect detection system
- Optical measuring system
- 3D point-cloud process and dimensional measurement



3D structured light measuring system



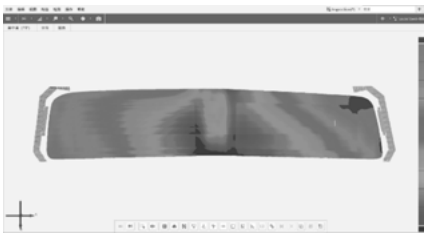
3D Line laser Measuring system

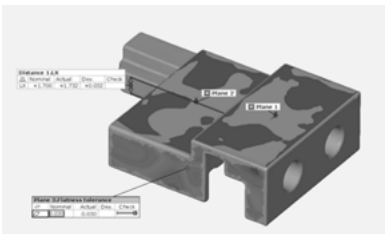


Defect detection system



Optical measuring system



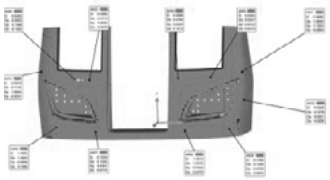


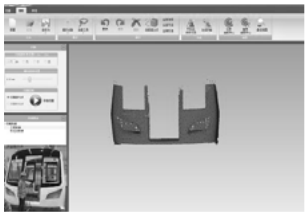
3D point-cloud process and dimensional measurement

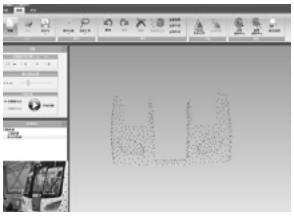
Application

- Locomotive Inspectionva





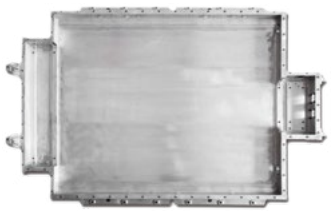




Application

- NEV Battery Tray Inspection





- Car Frtont Inspection



Step1: 10mins for marking
Step 2: 12mins for scanning
Step3: 12mins for data processing



Data of the triangle grid



Scan the point cloud data

SPECIAL GAUGES-CUSTOMIZED

AUTOMATED DETECTOR

•

RUN-OUT GAUGE FOR WHEEL HUB

•

GENERAL SEAT GAUGE

•

GENERAL GAUGE FOR HIGH PRESSURE FUEL RAIL

•

STRACKSCAN-P42
3D TRACKING SCANNER

•

SXTOM 3D SCANNER

•

GENERAL GAUGE FOR LOW PRESSURE FUEL RAIL

•

•

•

Automated Detector (Customized)

Description

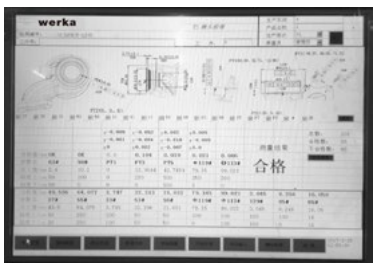
Application:

- Highly customized measuring equipment based upon inspection requirement, applicable for geometrical tolerance measurement of various processed components
- Fast measurement on site to select qualified parts
- Semi-auto/auto measurement with data save/output

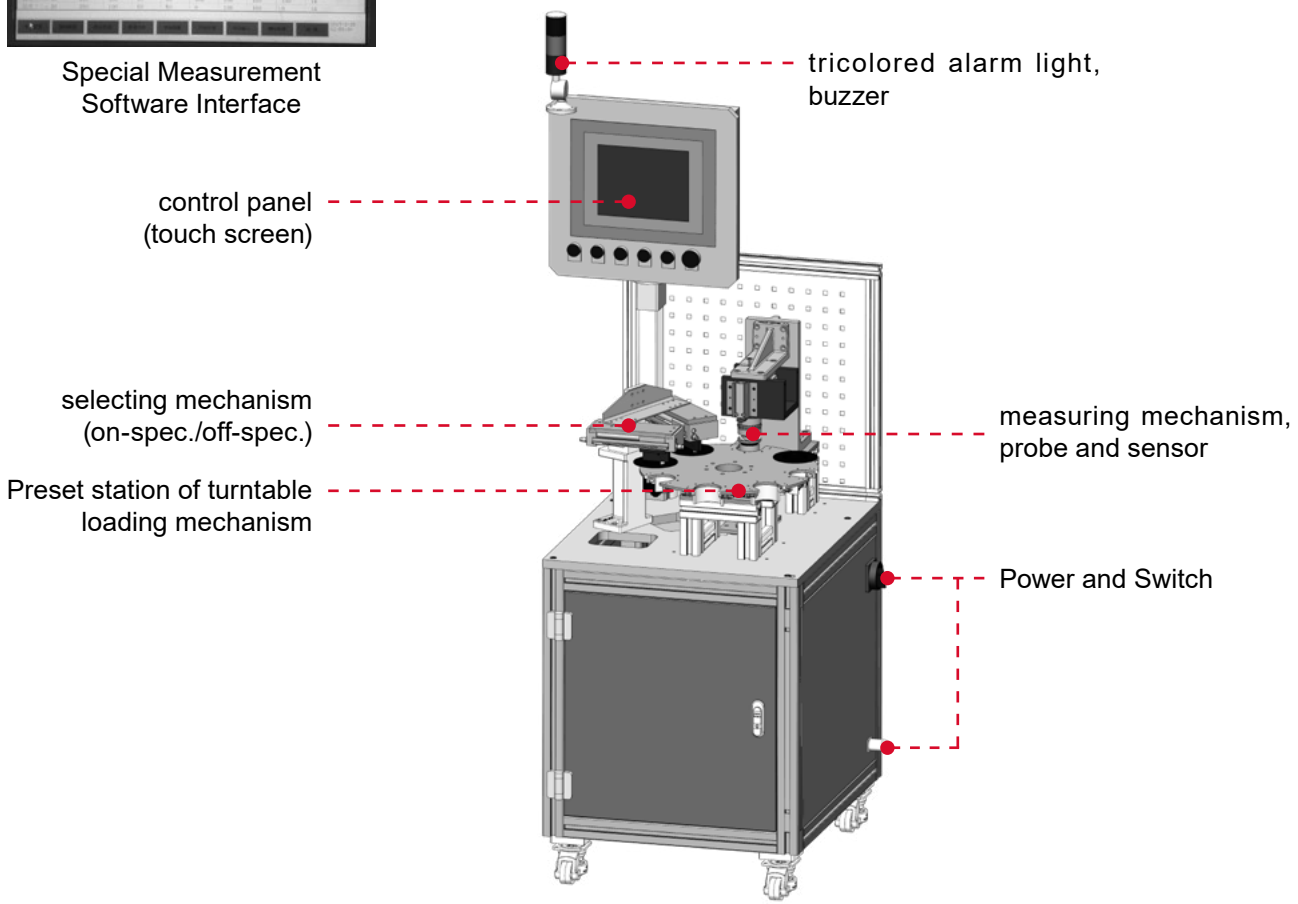
The detector can locate and clamp the object to be inspected automatically with reading gauges and functional gauges respectively driven by electric or pneumatic powered unit to carry out the detection.

Feature:

- Measurement with form tolerance up to 0.02mm(Diameter/distance etc.)
- Measurement with positional tolerance up to 0.1mm
- To work with auto production line upon requirement on site or run independently
- Power supply 380V/220V
- Industrial gas supply available
- Manual/auto loading or unloading upon your request



Special Measurement Software Interface



Run-Out Gauge For Wheel Hub (Customized)

Description

Application:

- Run-out measurement of automobile wheel hub

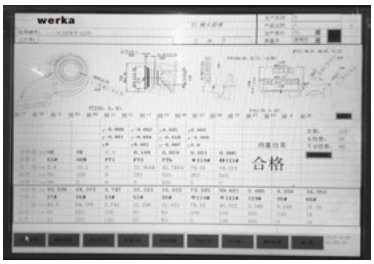
Gauges can achieve a V-shaped positioning via the trolleys and then the probes go further to contact the part to be measured through the guide in a way the run-out values can be seen on 4 dials at the same time(or sensors can be used to save data upon request).

Customized gauges are available to meet higher requirements with top precision 0.005mm with dials replaced by sensors plus digital display and bespoken measurement software to save data and output, SPC analysis etc.

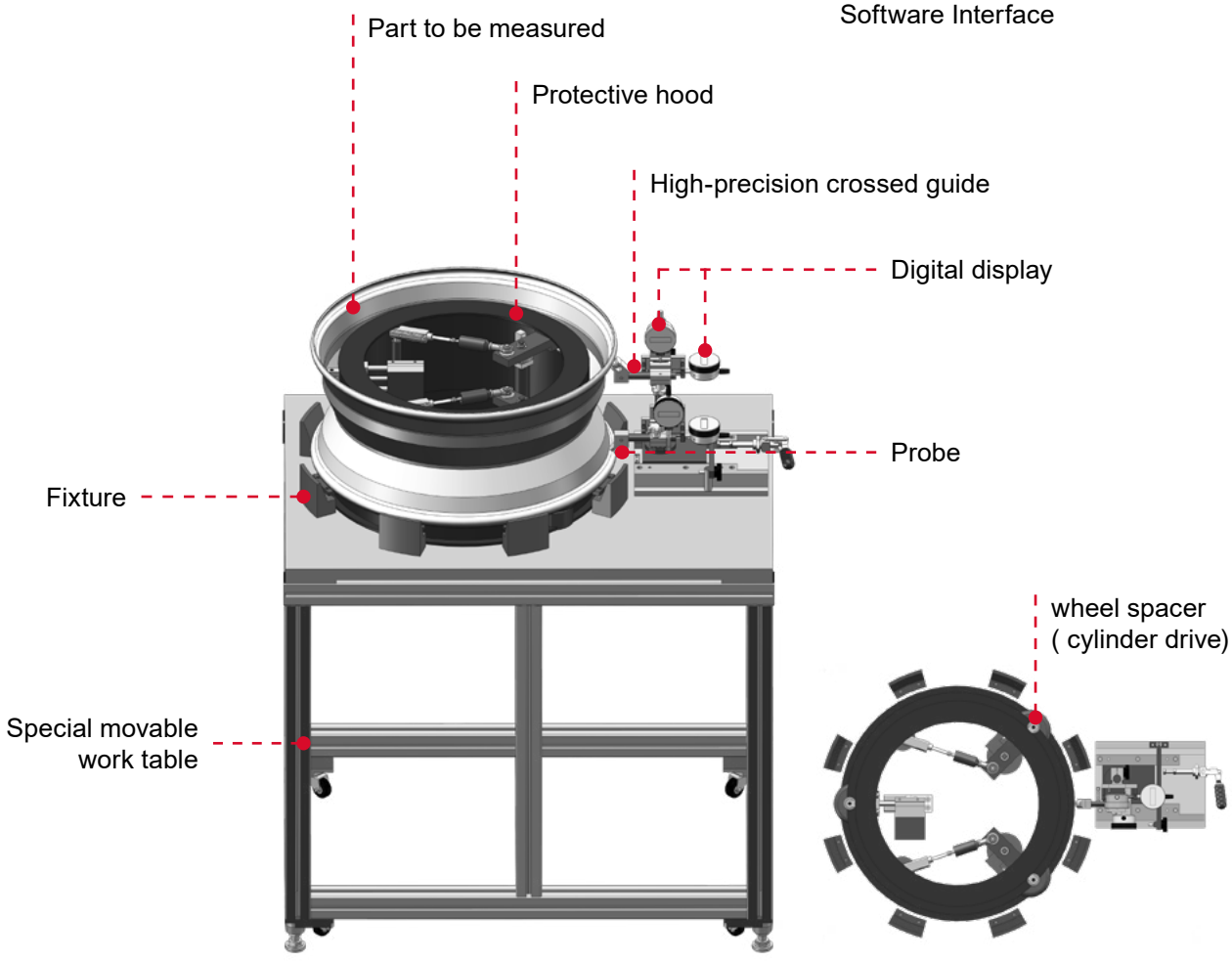
In addition, a pneumatic cylinder can be used for a quicker and easier operation.

Feature:

- Easy to operate with highly-efficient measurement
- 4 measured points of a workpiece displayed
- High-precision rotary positioning mechanism
- Trolleys for positioning and measuring devices
- Contact measurement
- Standard industrial gas supply on site



Special Measurement Software Interface



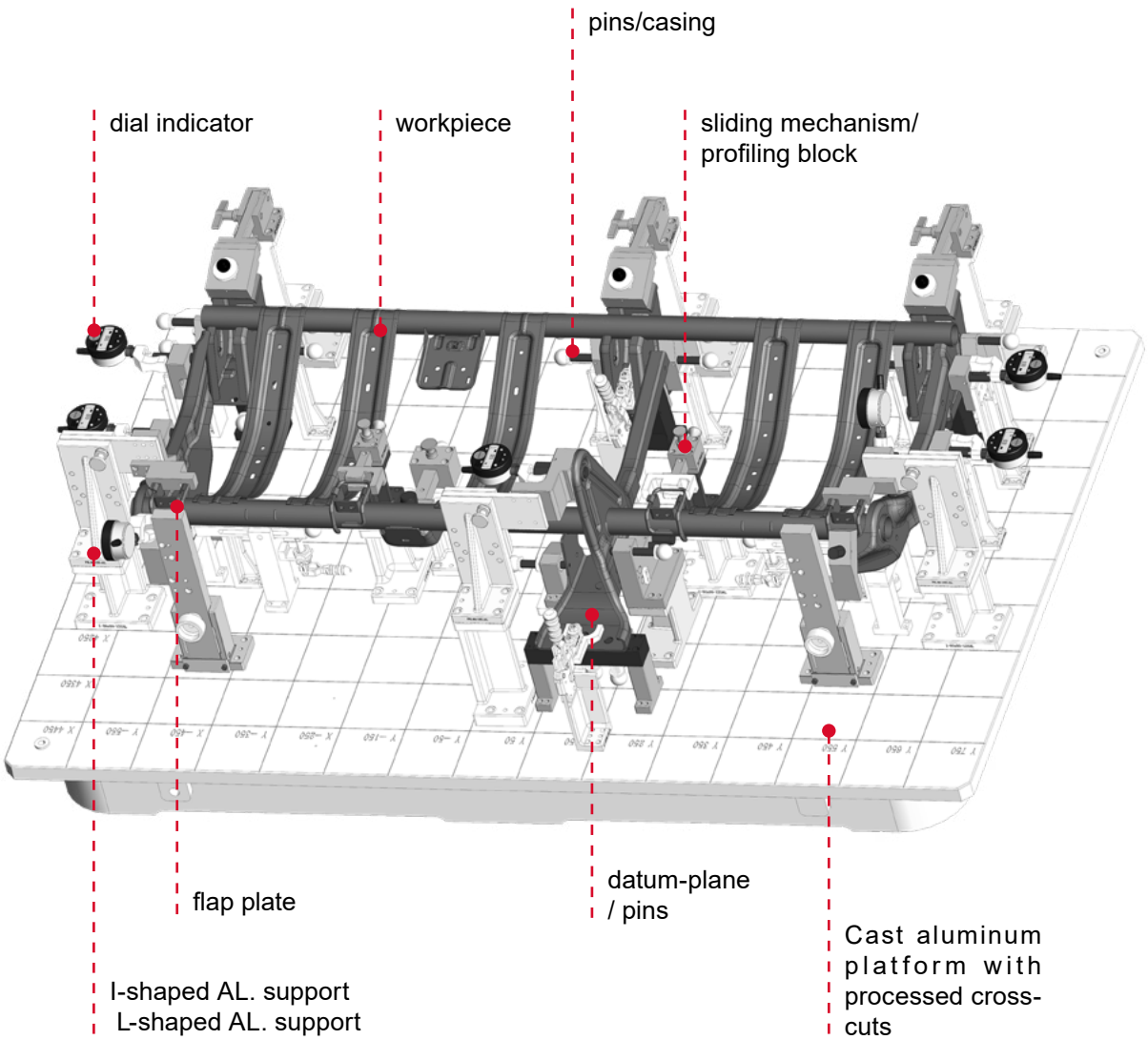
General Seat Gauge (Customized)

Description

Application:

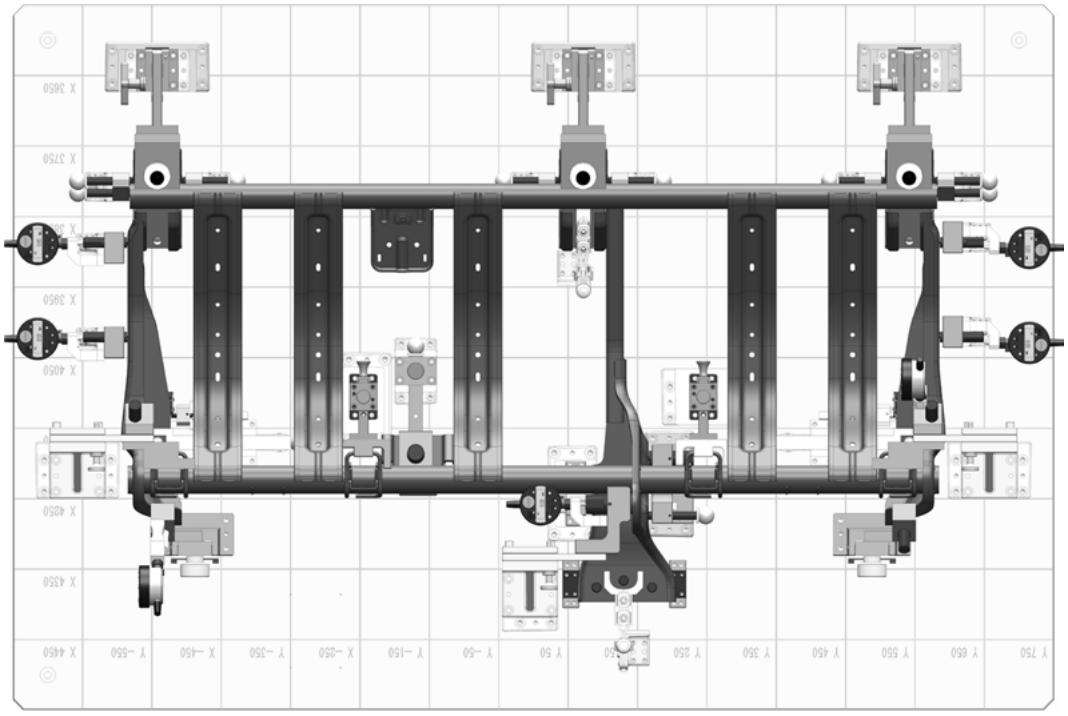
- Geometrical tolerance measurement of automobile metal parts
- Quick measurement on site to select on-spec. parts

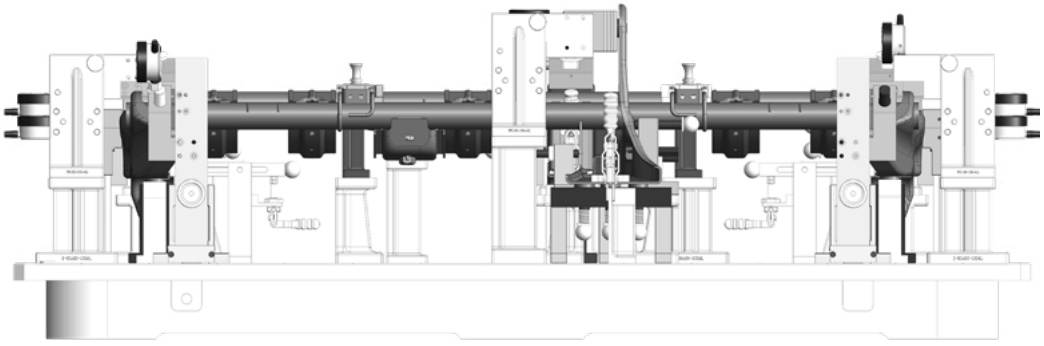
Gauge to measure the position accuracy through pin mechanism, especially for mechanically processed holes, to measure the profile of end face through scribing bar/ touch gauge, and to measure distance between end faces/parallelism/ perpendicularity through gauge with dials.



Feature:

- Customized gauges for various parts regardless of size
- Test the gauge according to the coordinate system of automobile body to have a easy examination for size
- A movable worktable available for convenient transportation (Option)
- Position accuracy measurement up to 0.5mm
- Profile accuracy measurement up to 0.5mm
- Gauge reference surface/ pins hardness > HRC 58, high durability.
- Fit clearance of pins with accuracy < 0.005mm
- One gauge covering all measuring data, more efficient
- Gauge plan and solutions according to your drawings





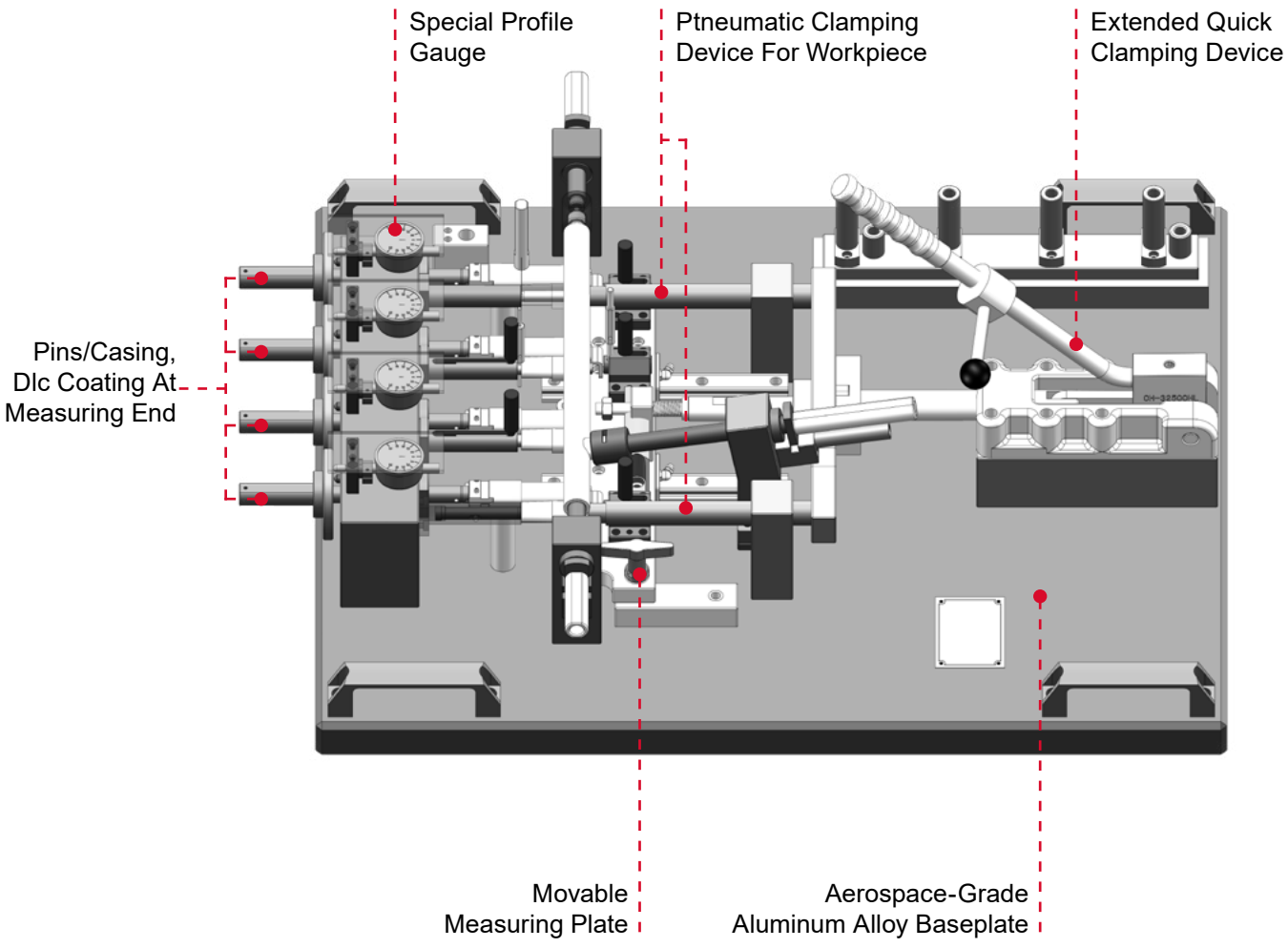
General Gauge For High Pressure Fuel Rail (Customized)

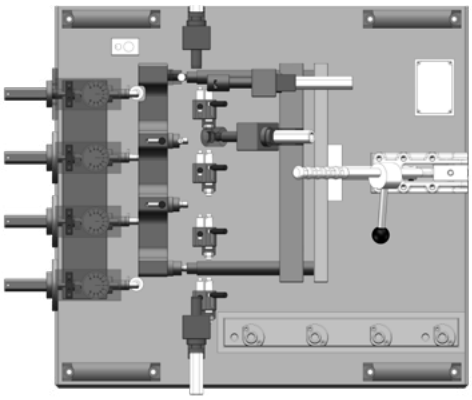
Description

Application:

- Geometrical tolerance measurement of automobile fuel rail
- Quick measurement on site to select on-spec. parts

Gauge to measure the position accuracy through pin mechanism, especially for mechanically processed holes, to measure the profile of end face through scribing bar/ touch gauge, and to measure distance between end faces/ parallelism/perpendicularity through gauge with dials



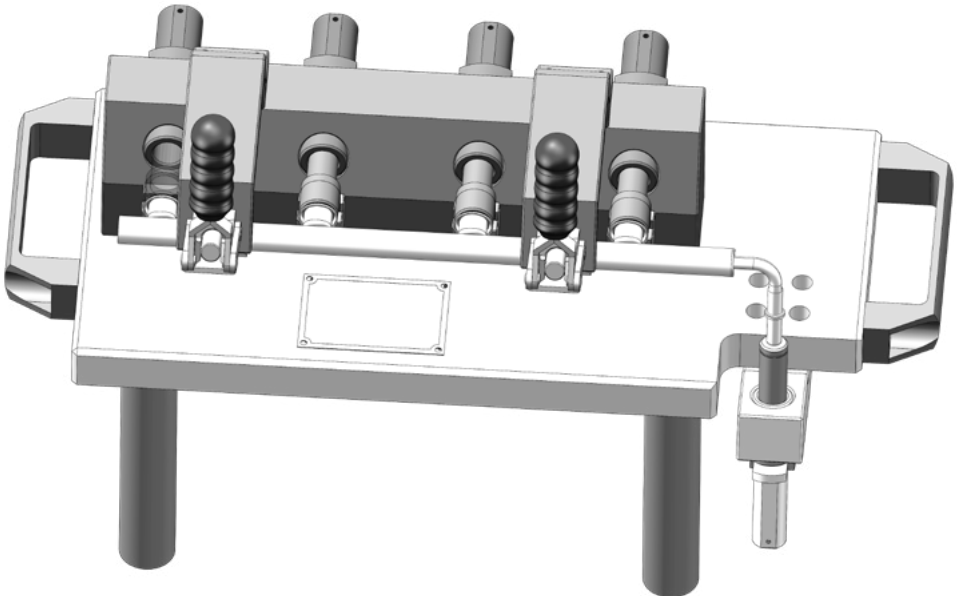


An Overall Bird's Eye View Of The Gauge

Feature:

- Position accuracy measurement up to 0.2mm
- Profile accuracy measurement up to 0.1mm
- Gauge reference surface/ pins hardness > HRC 58, high durability
- Fit clearance of pins with accuracy < 0.005mm
- Profile gauge with dial, high precision and easy to read
- One gauge covering all measuring data, more efficient
- Gauge plan and solutions according to your drawings

General Gauge For Low Pressure Fuel Rail (Customized)



Geometrical Functional Gauge (Customized)

Description

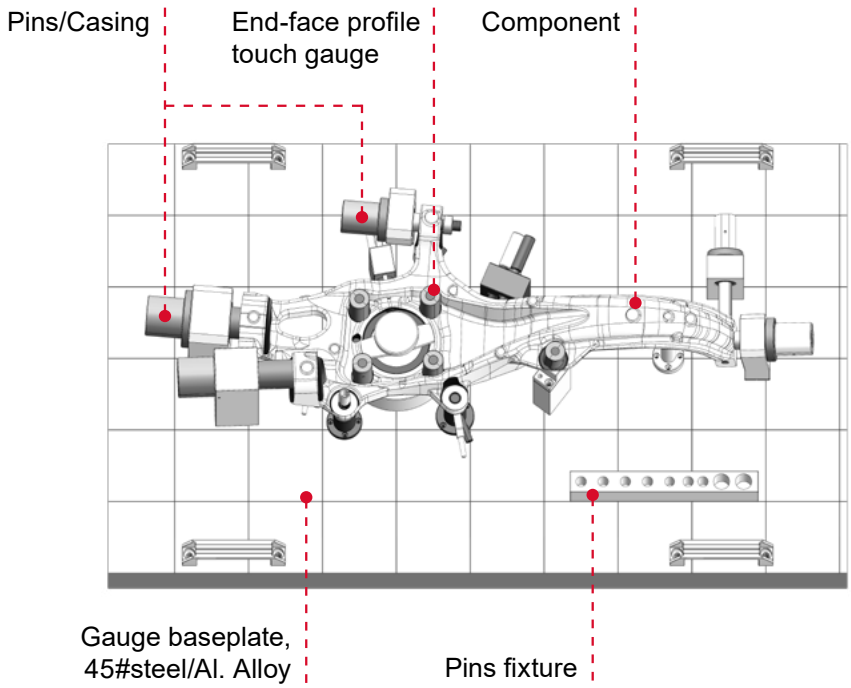
Application:

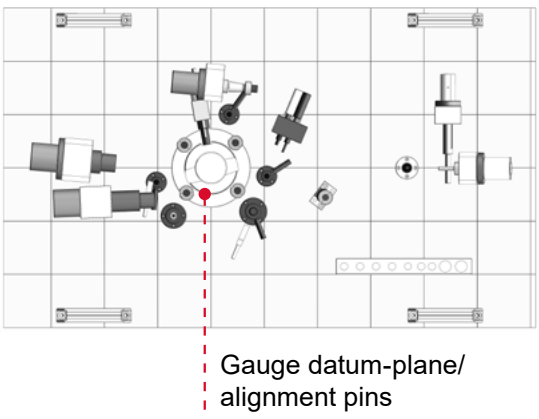
- Geometrical tolerance measurement of machining components
- Quick measurement on site to select on-spec. components

Geometrical functional Gauge to measure the position accuracy through pin mechanism, especially for mechanically processed holes, to measure the profile of end face through scribing bar/ touch gauge, and to measure distance between end faces/ parallelism/perpendicularity through gauge with dials.

Feature:

- Position accuracy measurement up to 0.2mm
- Profile accuracy measurement up to 0.2mm
- Gauge reference surface/ pins hardness > HRC 58, high durability.
- Fit clearance of pins with accuracy < 0.005mm
- One gauge covering all measuring data, more efficient
- Gauge plan and solutions according to your drawings





General Gauge For Damper(Customized)

Description

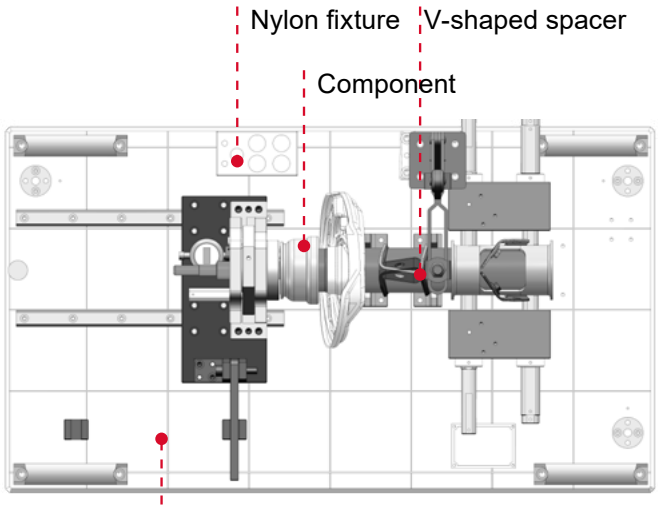
Application:

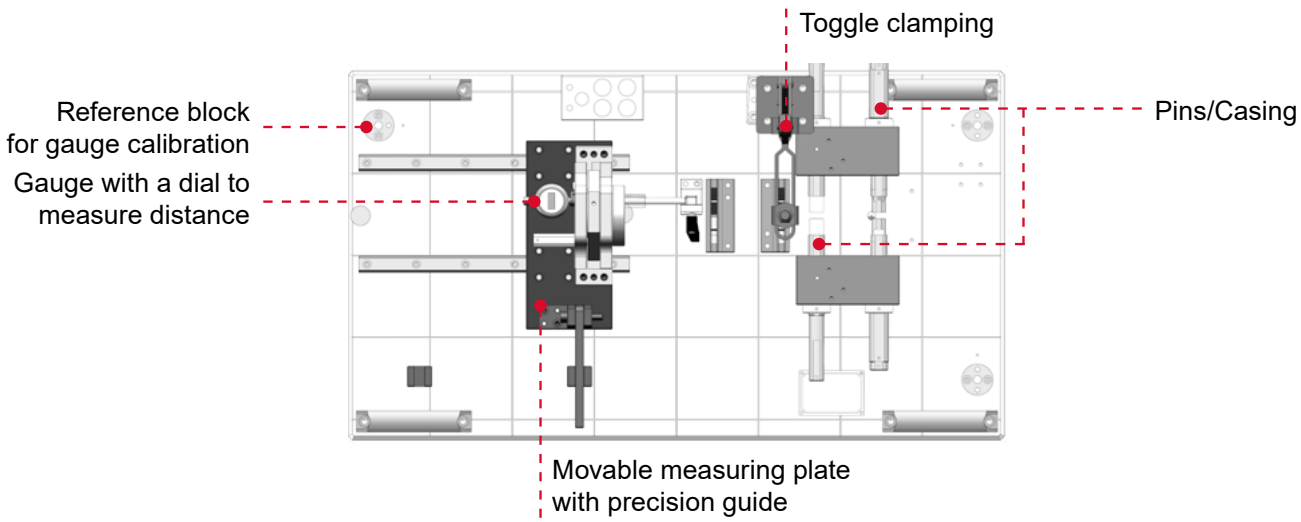
- Geometrical tolerance measurement of metal components/welding parts
- Quick measurement on site to select on-spec. components

Geometrical functional Gauge to measure the position accuracy through pin mechanism, especially for mechanically processed holes, to measure the profile of end face through scribing bar/ touch gauge, and to measure distance between end faces/parallelism/perpendicularity through gauge with dials.

Feature:

- Position accuracy measurement up to 0.5mm
- Profile accuracy measurement up to 0.5mm
- Gauge datum-plane / pins hardness > HRC 58, high durability.
- Fit clearance of pins with accuracy < 0.005mm
- One gauge covering all measuring data, more efficient
- Gauge plan and solutions according to your drawings





WIRELESS TRANSMISSION

built-in bluetooth module to allow wireless data tranmission.



Bluetooth®

IP67 Digital Caliper 0.001mm

Description

- Display up to 0.001mm, high accuate indication
- Made of stainless steel, Protection IP67
- 14mm Large display, clearer digit and its height up to 14mm
- Built-in bluetooth module to allow wireless data tranmission
- Auto power off, 3V battery (CR2032), With stop crew
- Back with conversion table
- ON/OFF, Reset at any position, mm/inch, Data transmission
- Delivered with an inspection report, Fancy plastic box



Art.No.	Range	Scale	Indication Error	Standard	Barcode
2230-150W	0-150 mm	0.001mm	0.01 mm	DIN 862	6972727952471
2230-200W	0-200 mm	0.001mm	0.02 mm	DIN 862	6972727952488
2230-300W	0-300 mm	0.001mm	0.02 mm	DIN 862	6972727952495

Bluetooth Digital Caliper (Large Display)

Description

- Made of stainless steel
- Large display, clearer digit and its height up to 14mm
- Built-in bluetooth module to allow wireless data tranmission
- Auto power off, With stop crew, 3V battery (CR2032)
- Back with conversion table
- ON/OFF, Reset at any position, mm/inch, Data transmission
- Delivered with an inspection report, Fancy plastic box



Art.No.	Range	Scale	Indication Error	Standard	Barcode
2229-150W	0-150 mm	0.01mm	0.02 mm	DIN 862	6974804579199
2229-200W	0-200 mm	0.01mm	0.03 mm	DIN 862	6974804579205
2229-300W	0-300 mm	0.01mm	0.03 mm	DIN 862	6974804579212

Digital Test Indicator

Description

- Protectioni IP65, Analog indication
- Built-in bluetooth module to allow wireless data tranmission
- Auto power off, 3V battery (CR2032)
- Reset, Mode, Data transmission
- Delivered with an inspection report, Fancy plastic box



Art.No.	Range	Scale	Indication Error	Repeatability	Barcode
4211-008W	0-0.8 mm	0.001mm	0.013 mm	0.003 mm	6974804579281

Digital Indicator 0.01mm

Description

- Protection IP54
- 0-330°display rotation allowed
- Large display, clearer digit
- Built-in bluetooth module to allow wireless data tranmission
- Auto power off,3V battery (CR2032)
- 8h6 Stem 8h6
- ON/OFF, Reset at any position
- mm/inch, Absolute/relative mode,Preset, Data transmission
- Delivered with an inspection report, Fancy plastic box



Art.No.	Range	Scale	Indication Error	Repeatability	Barcode
4209-012W	0-12.7 mm	0.01mm	0.01 mm	0.01 mm	6974804579250
4209-025W	0-25.4 mm	0.01mm	0.01 mm	0.01 mm	6974804579267
4209-050W	0-50.8 mm	0.01mm	0.015 mm	0.01 mm	6974804579274

Digital Indicator 0.001mm



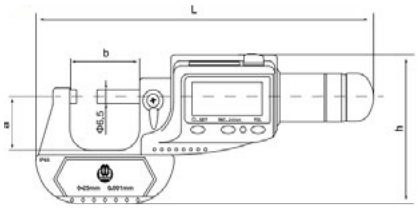
Description

- Display up to 0.001mm, high accuate indication
- Protection IP54,8h6 Stem 8h6
- 0-330°display rotation allowed,Large display, clearer digit
- Built-in bluetooth module to allow wireless data tranmission
- Auto power off, 3V battery (CR2032)
- ON/OFF, Reset at any position,mm/inch
- Absolute/relative mode, Preset, Data transmission
- Delivered with an inspection report,Fancy plastic box

Art.No.	Range	Scale	Indication Error	Repeatability	Barcode
4210-012W	0-12.7 mm	0.001mm	0.003 mm	0.001 mm	6974804579229
4210-025W	0-25.4 mm	0.001mm	0.003 mm	0.001 mm	6974804579236
4210-050W	0-50.8 mm	0.001mm	0.004 mm	0.001 mm	6974804579243

Digital Micrometer





Description

- Standard digital module
- Built-in bluetooth module to allow wireless data tranmission
- Carbide measuring face
- Painted frame, With insulation plate
- Locking mechanism, Auto power off, 3V battery (CR2032)
- ON/FF,Reset,mm/inchAbsolute/relative mode, Data transmission
- Delivered with a manual, Delivered with an inspection report
- Fancy plastic box

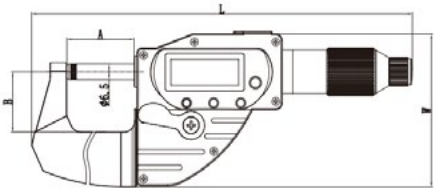
Overall Dimension(mm)

Range	L	a	b	h
0-25	156	25	32	63
25-50	185	31	57	80
50-75	212	44	82	95
75-100	240	56	107	113
100-125	269	68	132	128
125-150	296	81	157	146

Art.No.	Range	Scale	Indication Error	Barcode
3202-25W	0-25 mm	0.001mm	0.003 mm	6974804579373
3202-50W	25-50 mm	0.001mm	0.003 mm	6974804579380
3202-75W	50-75 mm	0.001mm	0.004 mm	6974804579397
3202-100W	75-100 mm	0.001mm	0.004 mm	6974804579403
3202-125W	100-125 mm	0.001mm	0.005 mm	6974804579410
3202-150W	125-150 mm	0.001mm	0.005 mm	6974804579427

Digital Lever Micrometer





Description

- Digital lever micrometer for quick measurement of parts
- Protection IP65
- Built-in bluetooth module to allow wireless data tranmission
- Auto power off
- 3V battery (CR2032), Carbide measuring face
- Lever handle for quick measurement
- ON/FF,Reset,mm/inch,Absolute/relative mode, Data transmission
- Delivered with an inspection report,Fancy plastic box

Overall Dimension(mm)

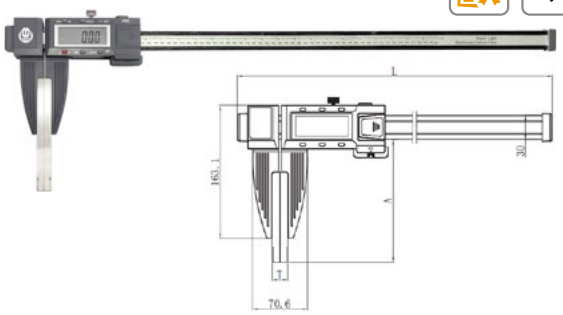
Range	L	A	B	W
0-25	168.5	29.8	25.4	64.5
25-50	197	55.3	31	80.5
50-75	227.5	80.3	44	96
75-100	257.5	105.3	56	112.5

Art.No.	Range	Scale	Indication Error	Barcode
3217-25W	0-25 mm	0.001mm	0.003 mm	6974804579335
3217-50W	25-50 mm	0.001mm	0.003 mm	6974804579342
3217-75W	50-75 mm	0.001mm	0.004 mm	6974804579359
3217-100W	75-100 mm	0.001mm	0.004 mm	6974804579366

Digital Carbon Fibre Caliper

Description

- Main body made of carbon fiber
- Protection IP65
- Built-in bluetooth module to allow wireless data tranmission
- Auto power off, 3V battery (CR2032)
- Arc inside measuring faces (20mm closed)
- With stop screw
- Delivered with an inspection report
- Fancy plastic box
- ON/FF, Reset, mm/inch, Absolute/relative mode
- Preset, Data locking, Data transmission



Art.No.	Range	Scale	Indication Error	Jaw Length	Barcode
2241-600W	0-600 mm	0.01mm	0.05 mm	130 mm	6974804579311
2241-1000W	0-1000 mm	0.01mm	0.06 mm	130 mm	6974804579328

Digital Height Gauge

Description

- Protection IP65
- Built-in bluetooth module to allow wireless data tranmission
- Auto power off, 3V battery (CR2450)
- Grey base and ground beneath surface
- Handwheel adjustment, Carbide-tpped scribert
- With power port, Delivered with an inspection report
- Fancy plastic box
- ON/FF, Reset, mm/inch
- Absolute/relative mode, Data locking
- Data transmission



Art.No.	Range	Scale	Indication Error	Barcode
2227-3000W	0-300 mm	0.001mm	0.02 mm	6974804579298
2227-6000W	0-600 mm	0.001mm	0.04 mm	6974804579304

2.4g Wireless Transmitter And Receiver

Description

- Good reliability to transmit and receive data
- Compact body easy to carry and use
- Max range 15m
- Direct data collecting, no software needed
- 8 devices at most allowed to use at the same time
- Transmitter DC3V, CR2032 battery
- Receiver DC5V, USB port at PC side to supply power
- Delivered with a manual,Fancy plastic box



Art.No.	Descrption	Barcode
WP-24GS1	2.4G wireless transmitter	6974804572206
WP-24GR1	2.4G wirelss receiver	6974804574866
WP-24G	2.4G set(transmitter+ receiver)	6974804572190

VERNIER CALIPER

VERNIER CALIPER

•

DIAL CALIPER

•

DIGITAL CALIPER

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WORKASHOP VERNIER CALIPER

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WORKSHOP DIGITAL CALIPER

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DISC BRAKE CALIPER

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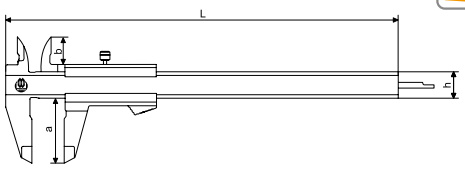
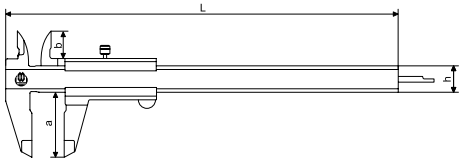
Precision Vernier Caliper









Description

- Made of stainless ,hardened,Satin chrome finished
- With upper set screw,Metal thumb
- Deliver with inspection report
- In plastic box

Overall Dimension(mm)

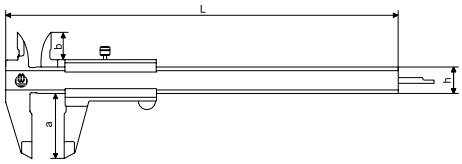
Range	L	a	b	h
0-150mm	236	40	16.5	16
0-200mm	286	50	19.5	16
0-300mm	400	60	21.5	16

Art No.	Range	Reading	Accuracy Error	Barcode	
210-0016	0-150mm/0-6"	0.05mm/1/128"	0.05mm	6971570710016	
210-0023	0-200mm/0-8"	0.05mm/1/128"	0.05mm	6971570710023	
210-0030	0-300mm/0-12"	0.05mm/1/128"	0.05mm	6971570710030	
210-0047	0-150mm/0-6"	0.02mm/0.001"	0.03mm	6971570710047	
210-0054	0-200mm/0-8"	0.02mm/0.001"	0.03mm	6971570710054	
210-0061	0-300mm/0-12"	0.02mm/0.001"	0.03mm	6971570710061	
210-0078	0-150mm	0.02mm	0.03mm	6971570710078	
210-0085	0-150mm/0-6"	0.05mm/1/128"	0.05mm	6971570710085	Round depth rod

* Please suffix "T" at end of the Art No., if you like the metal thumb lock type.(such as 210-0016T)

Precision Vernier Caliper





Description

- Made of stainless ,hardened,Satin chrome finished
- With upper set screw
- Ergonomically desingned mono block vernier
- Deliver with inspection report
- In plastic box

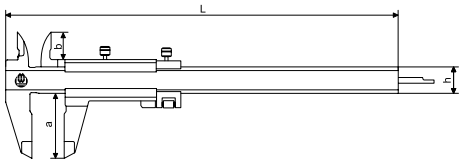
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	236	40	16.5	16
0-200mm	286	50	19.5	17
0-300mm	402	60	21.5	20

Art No.	Range	Reading	Accuracy Error	Barcode
2110-2150	0-150mm	0.02mm	0.03mm	6972727957841
2110-2200	0-200mm	0.02mm	0.03mm	6972727957858
2110-2300	0-300mm	0.02mm	0.03mm	6972727957865
2110-5150	0-150mm	0.05mm	0.05mm	6972727953560
2110-5200	0-200 mm	0.05mm	0.05mm	6972727953577
2110-5300	0-300 mm	0.05mm	0.05mm	6972727953584

Precision Vernier Caliper





Description

- Accuracy according to DIN862.Stainless steel
- Satin chrome finished, hardened
- With upper set screw,Flat depth rod
- With fine adjustment,Four way measurement
- Backside with thread table,In plastic box
- Deliver with inspection report

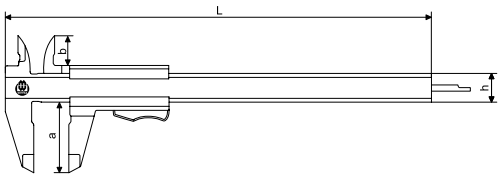
Overall Dimension(mm)

Range	L	a	b	h
0-130mm	236	40	16.5	16
0-180mm	286	50	19.5	16
0-280mm	400	60	21.5	16

Art.No.	Range	Reading	Accuracy Error	Barcode
210-0092	0-130mm/0-5"	0.02mm/0.001"	0.03mm	6971570710092
210-0108	0-180mm/0-7"	0.02mm/0.001"	0.03mm	6971570710108
210-0115	0-280mm/0-11"	0.02mm/0.001"	0.03mm	6971570710115

Precision Vernier Caliper





Description

- Accuracy according to DIN862.Stainless steel
- Satin chrome finished, hardened
- With thumb lock,Flat depth rod
- Four way measurement
- Backside with thread table, In plastic box
- Deliver with inspection report

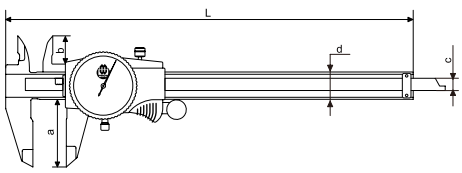
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	236	40	16.5	16
0-150mm	236	40	19.5	16
0-200mm	286	50	21.5	16

Art.No.	Range	Reading	Accuracy Error	Barcode
210-0122	0-150mm/0-6"	0.05mm/1/128"	0.03mm	6971570710122
210-0139	0-150mm/0-6"	0.02mm/0.001"	0.03mm	6971570710139
210-9309	0-200mm/0-8"	0.05mm/1/128"	0.03mm	6971570719309

Dial Caliper





Description

- Accuracy according to DIN862.
- Made of stainless, hardened
- High quality movement of dial, shockproof
- With thumb roller, Flat depth rod
- Deliver with inspection report
- In plastic box

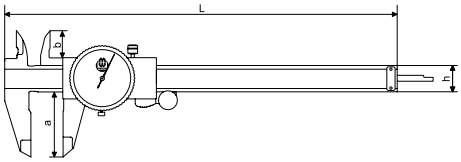
Overall Dimension(mm)

Range	L	a	b	c	d
0-150mm	236	40	15.5	6.5	16
0-200mm	286	50	19.5	6.5	16
0-300mm	410	64	22	7.45	20

Art.No.	Range	Reading	Accuracy Error	Barcode
2304-150	0-150mm	0.02mm	0.02mm	6972727954079
2304-200	0-200mm	0.02mm	0.03mm	6972727954086
2304-300	0-300mm	0.02mm	0.03mm	6972727954093

Dial Caliper





Description

- Accuracy according to DIN862
- Made of stainless steel, hardened
- Shockproof design
- With upper set screw
- Flat depth rod, Four way measurement
- Backside with thread table
- In plastic box
- Deliver with inspection report

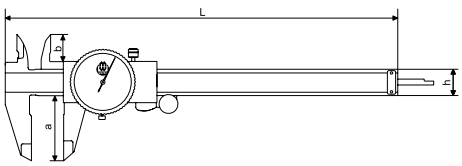
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	236	40	16.5	16
0-200mm	286	50	19.5	16
0-300mm	400	60	18.5	17
0-6"	236	40	16.5	16
0-8"	286	50	19.5	16
0-12"	400	60	18.5	17

Art.No.	Range	Reading	Accuracy Error	Barcode
210-8371	0-150 mm	0.01 mm	0.03mm	6971570718371
210-8869	0-200 mm	0.01 mm	0.03mm	6971570718869
210-8876	0-300 mm	0.01 mm	0.03mm	6971570718876
210-8364	0-150 mm	0.02 mm	0.03mm	6971570718364
210-8845	0-200 mm	0.02 mm	0.03mm	6971570718845
210-8852	0-300 mm	0.02 mm	0.03mm	6971570718852
210-8388	0-6"	0.001"	0.03mm	6971570718388
210-8883	0-8"	0.001"	0.03mm	6971570718883
210-8890	0-12"	0.001"	0.03mm	6971570718890

Dial Caliper





Description

- Made of stainless steel, with fine adjustment wheel
- With shock-proof function
- Flat depth rod
- With locking screw
- Deliver with inspection report
- Packed in plastic box

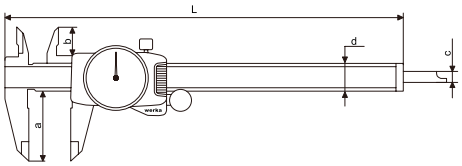
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	236	40	16.5	16
0-200mm	286	50	19.5	16
0-300mm	400	60	18.5	17

Art.No.	Range	Reading	Accuracy Error	Barcode
2300-150T	0-150 mm	0.01mm	±0.03mm	6976367670177
2300-200T	0-200 mm	0.01mm	±0.04mm	6976367670214
2300-300T	0-300 mm	0.01mm	±0.04mm	6976367670221
2301-150T	0-150 mm	0.02mm	±0.03mm	6976367670184
2301-200T	0-200 mm	0.02mm	±0.04mm	6976367670191
2301-300T	0-300 mm	0.02mm	±0.04mm	6976367670207

Dial Caliper





Description

- Made of stainless, hardened
- Metal housing
- High quality movement of dial
- With shock-proof function
- With fine adjustment wheel
- Flat depth rod, With locking screw
- Deliver with inspection report, Packed in plastic box

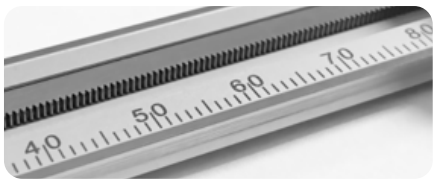
Overall Dimension(mm)

Range	L	a	b	c	d
0-150mm	235	40	15.5	6.5	16
0-200mm	286	50	19.5	6.5	16
0-300mm	410	64	22	7.45	20

Art.No.	Range	Reading	Range Per Revolution	Accuracy Error	Standard	Barcode	Remark
2305-150	0-150 mm	0.02 mm	2 mm	0.02 mm	DIN 862	6974804572947	
2305-200	0-200 mm	0.02 mm	2 mm	0.03 mm	DIN 862	6974804572954	
2305-300	0-300 mm	0.02 mm	2 mm	0.03 mm	DIN 862	6974804572961	
2305-1501	0-150 mm	0.01 mm	100 mm	0.06 mm	DIN 862	6976367674182	New
2305-2001	0-200 mm	0.01 mm	100 mm	0.06 mm	DIN 862	6976367674199	New
2305-3001	0-300 mm	0.01 mm	150 mm	0.06 mm	DIN 862	6976367674205	New



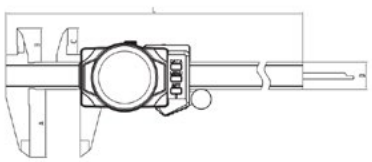
Brand new metal housing. Built-in double shock-proof mechanism.Ergonomically optimized fine-tuning thumbwheel set.



more endurable high-precision gear rack. chromed surface with clearer, more legible laser printing.

Ip67 Water-Proof Digital Caliper With Color Screen





Description

- Full color LCD, New design
- Analog electronic pointer and analog digital display simultaneously
- Built-in rechargeable lithium battery, magnetic suction charging port
- With six kinds of resolution
- Backlight display with three kinds of brightness
- Metal housing, with thumbroll
- Made of stainless steel
- IP67 Protection, water and dust resistant
- Accuracy according to DIN862
- Measuring faces hardened
- DATA, MENU, STE/0
- Delivered with an inspection report
- Prime plastic box
- Built-in bluetooth type is optional

Overall dimension(mm)

Range	A	B	C	L
0-100 mm	40	20	15.5	185
0-150 mm	40	20	15.5	235
0-200 mm	50	24	19.5	287
0-300 mm	60	26	21.5	390

Analog electronic pointer display:



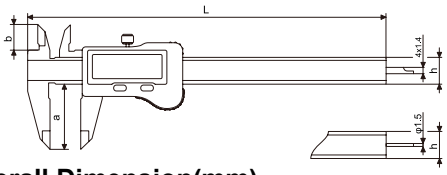
Analog digital display:



Art.No.	Range	Reading	Indication Error	Standard	Barcode	
2262-150	0-150 mm	0.01mm	0.02mm	DIN 862	6976367672577	
2262-200	0-200 mm	0.01mm	0.03mm	DIN 862	6976367672584	
2262-300	0-300 mm	0.01mm	0.03mm	DIN 862	6976367672591	
2262-150W	0-150 mm	0.01mm	0.02mm	DIN 862	6976367672904	Build-in bluetooth
2262-200W	0-200 mm	0.01mm	0.03mm	DIN 862	6976367672911	Build-in bluetooth
2262-300W	0-300 mm	0.01mm	0.03mm	DIN 862	6976367672928	Build-in bluetooth

IP67 Water-Proof Digital Caliper





Description

- Ergonomical design, Large display
- Digit height up to 11.5mm
- ABS Absolute system
- Max.displacement speed 2.5m/s
- Protection IP67, Without data output
- Auto power off when it is left alone more than 10mins
- move the vernier to energize it
- With a conversion table, a 3V battery
- Made of stainless steel, hardened
- Flat depth rod, Stop screw for the vernier

Overall Dimension(mm)

Range	L	a	b	h
0-150mm	234.5	40	16	16
0-200mm	290.5	50	19	16
0-300mm	388	64	19	16

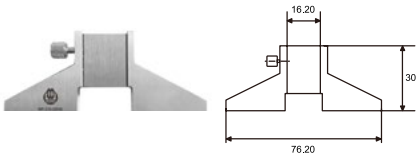
- Delivered with an inspection report, Prime plastic box
- ON/OFF, Reset at any position, mm/inch, Preset

Art.No.	Range	Reading	Indication Error	Standard	Barcode
2240-150	0-150 mm	0.01mm	0.02 mm	DIN 862	6974804572978
2240-200	0-200 mm	0.01mm	0.02 mm	DIN 862	6974804572985
2240-300	0-300 mm	0.01mm	0.02 mm	DIN 862	6974804572992

The Optional

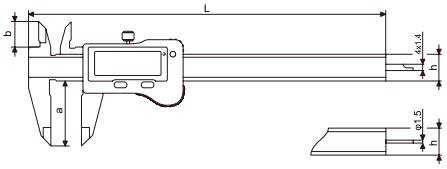
- Suitable for calipers to increase the stability of depth measurement
- Easy to fit with calipers

	Art.No.
Depth base	WP-210-DB10



IP67 Water-Proof Digital Caliper With Data Output





Description

- Ergonomical design, Large display
- Digit height up to 11.5mm, ABS Absolute system
- Max.displacement speed 2.5m/s, Protection IP67
- With data output(cable)
- Auto power off when it is left alone more than 10mins
- move the vernier to energize it
- With a conversion table,a 3V battery
- Made of stainless steel, hardened
- Flat depth rod,Stop screw for the vernier

Overall Dimension(mm)

Range	L	a	b	h
0-150mm	234.5	40	16	16
0-200mm	290.5	50	19	16
0-300mm	388	64	19	16

- Delivered with an inspection report
- Prime plastic box
- ON/OFF, Reset at any position
- mm/inch, Preset, Data transmission

Art.No.	Range	Reading	Indication Error	Standard	Barcode
2240-150D	0-150 mm	0.01mm	0.02 mm	DIN 862	6974804573005
2240-200D	0-200 mm	0.01mm	0.02 mm	DIN 862	6974804573012
2240-300D	0-300 mm	0.01mm	0.02 mm	DIN 862	6974804573029

Cable

- The cable used for digital calipers 2240-150D/2240-200D/ 2240-300D only
- To Connect PC via a USB port; to transmit data through a special software; multichannel display and management available.



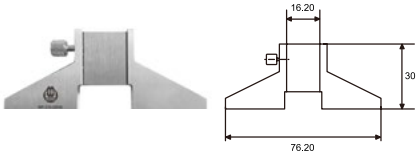


Software interface at PC

	Art.No.
Cable	WP-2240-150D-01

The Optional

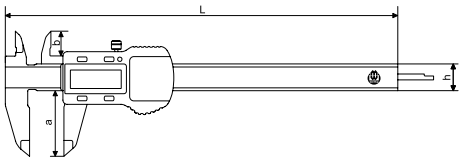
- Suitable for calipers to increase the stability of depth measurement
- Easy to fit with calipers



	Art.No.
Depth base	WP-210-DB10

IP67 Water-Proof Digital Caliper





Description

- TOP quality.Accuracy according to DIN862
- IP67 protection, water and dust resistant
- Stainless steel, hardened,Four way measurement
- New designed precision and high quality construction
- With INC, MODE,HOLD and POWER/0 four buttons
- In plastic box, with 3V CR2032 battery
- Deliver with inspection report

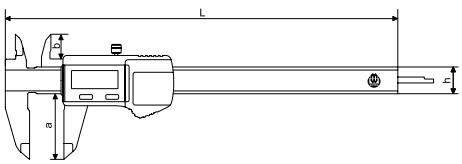
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	236	40	16.5	16

Art.No.	Range	Reading	Accuracy Error	Barcode
210-7756	150mm/6"	0.01mm/0.0005"	0.02mm	6971570717756

IP67 Water-Proof Digital Caliper





Description

- Accuracy according to DIN862.
- IP67 protection, water and dust resistant.
- Made of stainless steel, hardened
- New designed precision and high quality construction
- Four way measurement, With MODE and SET button
- In plastic box, with 3V CR2032 battery
- Deliver with inspection report

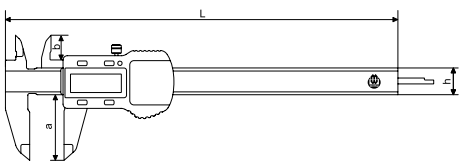
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	236	40	16.5	16
0-200mm	286	50	19.5	16
0-300mm	400	60	21.5	16

Art.No.	Range	Reading	Accuracy Error	Barcode
210-8333	150mm/6"	0.01mm/0.0005"	0.03mm	6971570718333
210-8340	200mm/8"	0.01mm/0.0005"	0.03mm	6971570718340
210-8357	300mm/12"	0.01mm/0.0005"	0.03mm	6971570718357

IP67 Water-Proof Digital Caliper





Description

- Top quality,Accuracy according to DIN862
- A green LED light turn on when the reading is with in preset tolerance limits
- IP67 protection, water and dust resistant
- Stainless steel, hardened,Four way measurement
- New designed precision and high quality construction
- With INC, MODE,TOL and POWER/0 four buttons
- In plastic box,with 3V CR2032 battery
- Deliver with inspection report

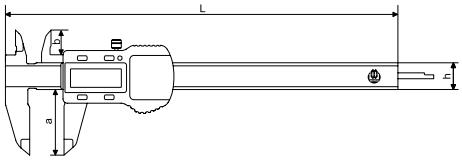
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	236	40	16.5	16
0-200mm	286	50	19.5	16
0-300mm	390	60	21.5	16

Art.No.	Range	Reading	Accuracy Error	Barcode
210-7787	0-150mm	0.01mm	0.02mm	6971570717787
210-7794	0-200mm	0.01mm	0.03mm	6971570717794
210-7800	0-300mm	0.01mm	0.03mm	6971570717800

IP67 Water-Proof Digital Caliper





Description

- Top quality,Accuracy according to DIN862
- A green LED light turn on when the reading is within preset tolerance limits
- IP67 protection, water and dust resistant
- Stainless steel, hardened,Four way measurement
- New designed precision and high quality construction
- With INC, MODE,TOL and POWER/0 four buttons
- In plastic box, with 3V CR2032 battery
- Deliver with inspection report

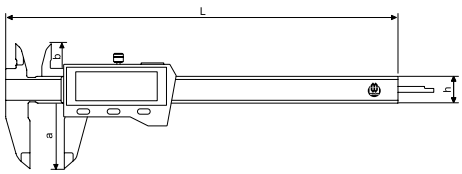
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	236	40	16.5	16
0-200mm	286	50	19.5	16
0-300mm	390	60	21.5	16

Art.No.	Range	Reading	Accuracy Error	Barcode	Remark
210-7787B	0-150mm	0.01mm	0.02mm	6972727959012	
210-7794B	0-200mm	0.01mm	0.03mm	6972727959029	
210-7800B	0-300mm	0.01mm	0.03mm	6972727959036	
210-7787BR	0-150mm	0.01mm	0.02mm	6972727959043	Round depth rod

IP67 Water-Proof Digital Caliper 0.001mm





Description

- Top quality. Accuracy according to DIN862
- Large LCD display.
- IP67 protection, water and dust resistant
- Inductive measurement system
- Made of stainless steel, hardened
- Buttons:INC,mm/inch,0/ON/OFF
- CR2032 Battery
- Deliver with inspection report

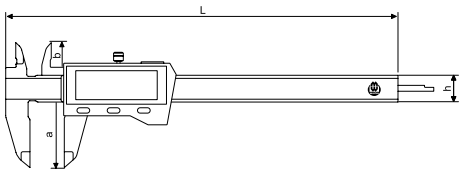
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	235	40	15.5	16
0-200mm	287	50	19.5	16
0-300mm	390	60	21.5	16

Art.No.	Range	Reading	Accuracy Error	Barcode
2230-150	0-150mm/0-6"	0.001mm/0.00005"	0.01mm	6972727952440
2230-200	0-200mm/0-8"	0.001mm/0.00005"	0.02mm	6972727952457
2230-300	0-300mm/0-12"	0.001mm/0.00005"	0.02mm	6972727952464

Digital Caliper





Description

- Accuracy according to DIN862,Large LCD display
- Inductive measurement system
- Made of stainless steel, hardened
- Buttons: ON/OFF, mm/inch, ZERO
- CR2032 Battery
- Deliver with inspection report

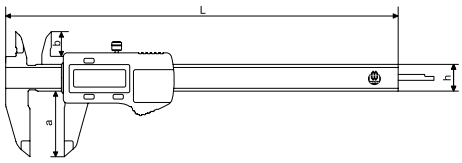
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	235	40	15.5	16
0-200mm	287	50	19.5	16
0-300mm	390	60	21.5	16

Art.No.	Range	Reading	Accuracy error	Barcode
2229-150	0-150mm/0-6"	0.01mm/0.00005"	0.02mm	6972727952501
2229-200	0-200mm/0-8"	0.01mm/0.00005"	0.03mm	6972727952518
2229-300	0-300mm/0-12"	0.01mm/0.00005"	0.03mm	6972727952525

Digital Caliper





Description

- Top quality.
- Accuracy according to DIN862
- Stainless steel, hardened,Four way measurement
- With mm/inch, ON/OFF and ZERO 3 buttons
- Deliver in plastic box with 3V CR2032 battery and inspection report

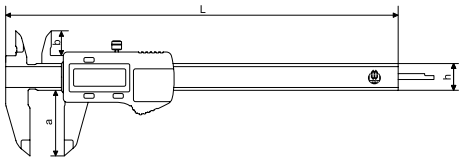
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	236	40	16.5	16
0-200mm	286	50	19.5	16
0-300mm	400	60	21.5	16

Art.No.	Range	Reading	Accuracy error	Barcode	
210-8814	150mm/6"	0.01mm/0.0005"	0.03mm	6971570718814	
210-8821	200mm/8"	0.01mm/0.0005"	0.03mm	6971570718821	
210-8838	300mm/12"	0.01mm/0.0005"	0.03mm	6971570718838	
210-9064	150mm/6"	0.01mm/0.0005"	0.03mm	6971570719064	with removeable thumbroll
210-9071	200mm/8"	0.01mm/0.0005"	0.03mm	6971570719071	with removeable thumbroll
210-9088	300mm/12"	0.01mm/0.0005"	0.03mm	6971570719088	with removeable thumbroll

Digital Caliper With Carbide Measuring Face





Description

- Accuracy according to DIN862
- Carbide measuring face,Made of stainless steel
- With mm/inch, ON/OFF, ZERO buttons
- Deliver in plastic box with 3V CR2032 battery and inspection report

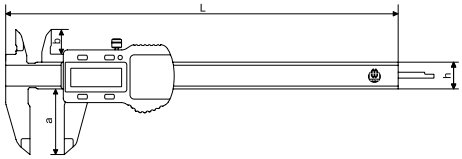
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	236	40	16.5	16
0-200mm	286	50	19.5	16
0-300mm	400	60	21.5	16

Art.No.	Range	Reading	Accuracy Error	Barcode
2232-150	150mm/6"	0.01mm/0.0005"	0.03mm	6972727952778
2232-200	200mm/8"	0.01mm/0.0005"	0.03mm	6972727952785
2232-300	300mm/12"	0.01mm/0.0005"	0.03mm	6972727952792

ABS Digital Caliper





Description

- Top quality.Accuracy according to DIN862
- A green LED light turn on when the reading is within preset tolerance limits
- Absolute system with 3V,No moving speed limit
- IP54 protection, water and dust resistant
- Scale with glass rail for precision sampling
- Stainless steel, hardened Four way measurement
- With ORIGIN, MODE, TOL and INC/POWER four buttons
- Deliver in plastic box with inspection report
- Data output with mini USB interface

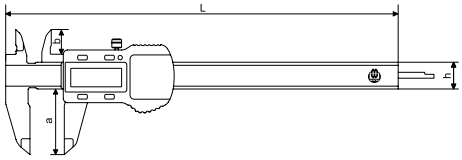
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	236	40	16.5	16
0-200mm	286	50	19.5	16
0-300mm	390	60	21.5	16

Art.No.	Range	Reading	Accuracy Error	Barcode
2203-150	150mm/6"	0.01mm/0.0005"	0.02mm	6971570717848
2203-200	200mm/8"	0.01mm/0.0005"	0.03mm	6971570717855
2203-300	300mm/12"	0.01mm/0.0005"	0.03mm	6971570717862

ABS Digital Caliper





Description

- Top quality.Accuracy according to DIN862
- Absolute system with 3V,No moving speed limit
- IP54 protection, water and dust resistant
- Scale with glass rail for precision sampling
- Stainless steel, hardened,Four way measurement
- With ORIGIN, MODE, INC and POWER four buttons
- Deliver in plastic box with inspection report
- Data output with mini USB interface

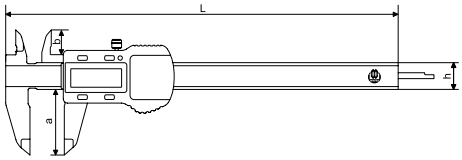
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	236	40	16.5	16

Art.No.	Range	Reading	Accuracy error	Barcode
2204-150	150mm/6"	0.01mm/0.0005"	0.02mm	6971570717817

Digital Caliper





Description

- Top quality.Accuracy according to DIN862
- A green LED light turn on when the reading is within preset tolerance limits
- IP54 protection, water and dust resistant
- Scale with glass rail for precision sampling
- Stainless steel, hardenedFour way measurement
- With INC,MODE,TOL and POWER/0 four buttons
- Deliver in plastic box with 3V CR2032 battery and inspection report

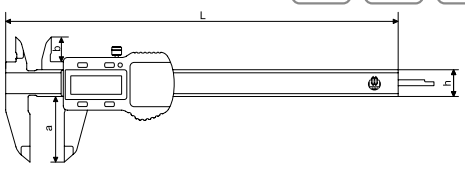
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	236	40	16.5	16
0-200mm	286	50	19.5	16
0-300mm	390	60	21.5	16

Art.No.	Range	Reading	Accuracy Error	Barcode
2205-150	150mm/6"	0.01mm/0.0005"	0.02mm	6971570717909
2205-200	200mm/8"	0.01mm/0.0005"	0.03mm	6971570717916
2205-300	300mm/12"	0.01mm/0.0005"	0.03mm	6971570717923

Digital Caliper





Description

- Made of stainless,hardened
- New designed precision ang high quality construction
- Four way measurement
- With mm/inch,ABS,OFF/ON,ZERO four buttons
- Deliver with inspection report
- In plastic box, with 3V CR2032 battery

Overall Dimension(mm)

Range	L	a	b	h
0-150mm	236	40	16.5	16
0-200mm	286	50	19.5	16
0-300mm	400	60	21.5	16

Art.No.	Range	Reading	Accuracy Error	Barcode
2236-150	0-150mm	0.01mm	0.02mm	6972727958299
2236-200	0-200mm	0.01mm	0.03mm	6972727958305
2236-300	0-300mm	0.01mm	0.03mm	6972727958312

Digital Caliper With Ceramic Measuring Face

Description

- Accuracy according to DIN862
- Made of stainless steel, with fine adjustment roller
- Ceramic measuring surface, more wear-resistant
- Three Buttons,ON/OFF,mm/inch,ZERO
- Deliver with inspection report
- CR2032,Packed in plastic box



Art.No.	Range	Reading	Indication Error	Standard	Barcode
2246-150	0-150 mm	0.01mm	0.02mm	DIN 862	6976367672850
2246-200	0-200 mm	0.01mm	0.03mm	DIN 862	6976367672867
2246-300	0-300 mm	0.01mm	0.03mm	DIN 862	6976367672874

Digital Caliper

Description

- Accuracy according to DIN862
- Made of stainless steel, with fine adjustment roller
- Measuring face hardened
- Three buttons, ON/OFF, mm/inch, ZERO
- Deliver with inspection report
- CR2032, Packed in plastic box



Art.No.	Range	Reading	Indication Error	Standard	Barcode
210-8895	0-150 mm	0.01mm	0.02mm	DIN 862	6974804578895
210-8901	0-200 mm	0.01mm	0.03mm	DIN 862	6974804578901
210-8918	0-300 mm	0.01mm	0.03mm	DIN 862	6974804578918

Mini Digital Caliper

Description

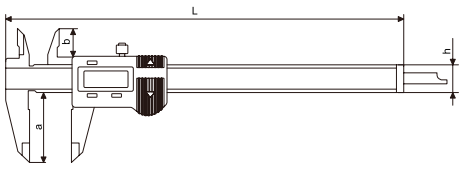
- Accuracy according to DIN862
- Made of stainless steel
- Measuring faces hardened
- ON/OFF, mm/inch, ZERO
- Delivered with an inspection report
- 1.5V Battery LR44
- Prime plastic box



Art.No.	Range	Reading	Indication Error	Standard	Barcode
2239-075A	0-75 mm	0.01mm	0.02mm	DIN 862	6976367672881
2239-100A	0-100 mm	0.01mm	0.02mm	DIN 862	6976367672898

MINI Digital Caliper





Description

- Universal housing
- Made of stainless steel, hardened
- Stop screw for the vernier
- Flat depth rod, 1.5V button cell
- ON/OFF,Reset at any position, mm/inch

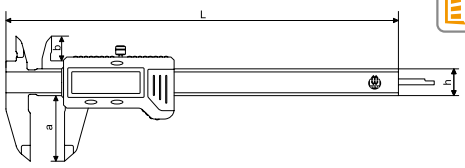
Overall Dimension(mm)

Range	L	a	b	h
0-100mm	170	30.5	12.5	13

Art.No.	Range	Reading	Indication Error	Standard	Barcode
2239-100	0-100 mm	0.01mm	0.02 mm	DIN 862	6974804571537

Digital Caliper





Description

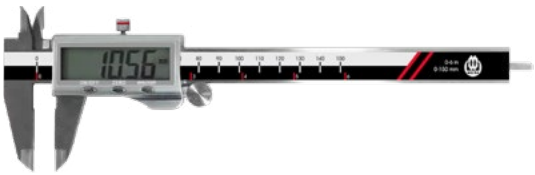
- Stainless steel, hardened, Four way measurement
- Big LCD display
- With mm/inch, ON/OFF and ZERO 3 buttons
- Deliver in plastic box with 1.5V LR44 battery and inspection report

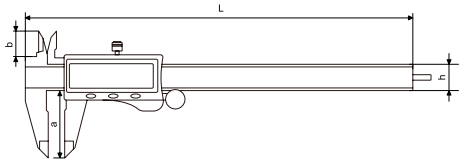
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	236	40	16.5	16
0-200mm	286	50	19.5	16
0-300mm	400	60	21.5	16

Art.No.	Range	Reading	Accuracy Error	Barcode	
210-8906	150mm/6"	0.01mm/0.0005"	0.03mm	6971570718906	
210-8913	200mm/8"	0.01mm/0.0005"	0.03mm	6971570718913	
210-8920	300mm/12"	0.01mm/0.0005"	0.03mm	6971570718920	
210-9033	150mm/6"	0.01mm/0.0005"	0.03mm	6971570719033	with removable thumbroll
210-9040	200mm/8"	0.01mm/0.0005"	0.03mm	6971570719040	with removable thumbroll
210-9057	300mm/12"	0.01mm/0.0005"	0.03mm	6971570719057	with removable thumbroll

Digital Caliper With Metal Housing





Description

- Metal housing,Large display
- Made of stainless steel,hardened
- Stop screw for the vernier,Flatdepth rod
- Auto power off when it is left alone more than 10mins
- move the vernier to energize it
- With a conversion table,A 3V battery
- Delivered with an inspection report, Prime plastic box
- ON/OFF,Reset at any position,mm/inch

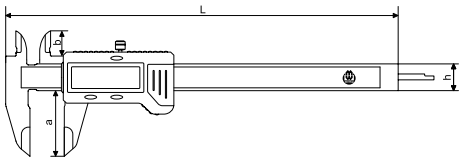
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	235	40	15	16
0-200mm	287	50	19	16
0-300mm	389	60	22	16

Art.No.	Range	Reading	Indication Error	Standard	Barcode
2242-150	0-150 mm	0.01mm	0.02 mm	DIN 862	6974804573395
2242-200	0-200 mm	0.01mm	0.02 mm	DIN 862	6974804573401
2242-300	0-300 mm	0.01mm	0.03 mm	DIN 862	6974804573418

Digital Caliper





Description

- Made of high strength and wear-resistant engineering plastic
- Large LCD display with clear reading
- With mm/inch, OFF/ON and ZERO three buttons
- Packed in plastic box with 1.5V battery

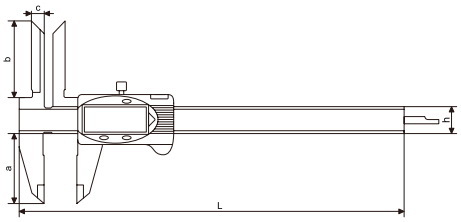
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	236	40	16.5	16

Art.No.	Range	Reading	Barcode
210-9019	0-150 mm	0.1 mm	6971570719019

Digital Inside Groove Caliper With Double Jaws





Description

- Standard module
- Made of stainless steel, hardened
- Extended upper jaws,Standard lower jaws
- Stop screw for the vernier,A 3V battery
- Delivered with an inspection report and a manual, Plastic box
- ON/FF, Reset at any position,mm/inch

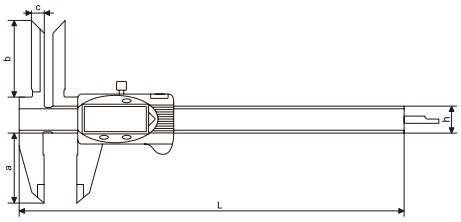
Overall Dimension(mm)

Range	L	a	b	c	h
0-150mm	236	40	45	7.5	16
0-200mm	286	50	50	7.5	16

Art.No.	Range	Reading	Indication Error	Standard	Barcode
2237-150	0-150 mm	0.01mm	0.04 mm	Enterprise	6974804574200
2237-200	0-200 mm	0.01mm	0.04 mm	Enterprise	6974804571506

Digital Inside Groove Caliper With Double Jaws





Description

- IP67 water-proof module
- Made of stainless steel, hardened
- Extended upper jaws, Standard lower jaws
- Stop screw for the vernier, A 3V battery
- Delivered with an inspection report and a manual, Plastic box
- ON/FF, Reset at any position, mm/inch

Overall Dimension(mm)

Range	L	a	b	c	h
0-150mm	236	40	45	7.5	16
0-200mm	286	50	50	7.5	16

Art.No.	Range	Reading	Indication Error	Standard	Barcode
2237-150P	0-150 mm	0.01mm	0.04 mm	Enterprise	6974804574217
2237-200P	0-200 mm	0.01mm	0.04 mm	Enterprise	6974804573333

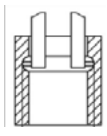
Digital Inside Knife-Edge Caliper

NEW

Description

- Suitable for measuring special inner diameters
- Made of stainless steel, with fine adjustment roller
- Four buttons: SET, mm/inch, PRE+, PRE-
- Preset values can be set through PRE+,PRE-
- CR2032
- Packed in plastic box

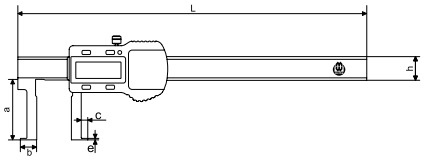




Art.No.	Range	Reading	Indication Error	Length Of Jaw	Barcode
2251-150-60D	15-150 mm	0.01mm	±0.04mm	60 mm	6976367674571
2251-200-75D	17-200 mm	0.01mm	±0.05mm	75 mm	6976367674588
2251-300-90D	20-300 mm	0.01mm	±0.06mm	90 mm	6976367674595

Digital Caliper For Inside Grooves





Description

- For inside groove measuring,Absolute system with 3V
- A green LED light turn on when the reading is within preset tolerance limits
- IP54 protection, water and dust resistant
- Scale with glass rail for precision sampling
- No moving speed limit,Stainless steel, hardened
- With ORIGIN, MODE, TOL and INC/POWER four buttons,Four way measurement
- Deliver in plastic box with inspection report
- Data output with mini USB interface

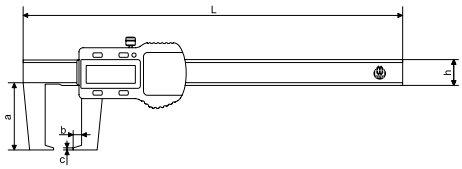
Overall Dimension(mm)

Range	L	a	b	c	e	h
20-150mm	235	36	10	4	1	16
25-200mm	287	46	12.5	5	1	16
30-300mm	390	56	15	5	1.5	16

Art No.	Range	Reading	Length Of Jaw	Accuracy Error	Barcode
2214-150	20-150mm	0.01mm/0.0005"	36mm	0.03mm	6971570718050
2214-200	25-200mm	0.01mm/0.0005"	46mm	0.03mm	6972727952969
2214-300	30-300mm	0.01mm/0.0005"	56mm	0.04mm	6972727952976

Digital Caliper For Outside Grooves





Description

- For outside groove measuring,Absolute system with 3V
- A green LED light turn on when the reading is within preset tolerance limits
- IP54 protection, water and dust resistant
- Scale with glass rail for precision sampling
- No moving speed limit,Stainless steel, hardened
- Four way measurement
- With ORIGIN,MODE,TOL and INC/POWERfour buttons
- Deliver in plastic box with inspection report
- Data output with mini USB interface

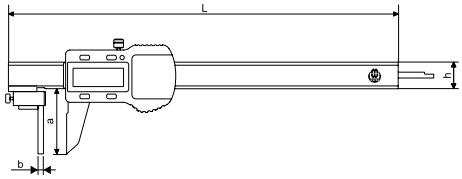
Overall Dimension(mm)

Range	L	a	b	c	h
0-150mm	250	40	5	1	16
0-200mm	300	50	7	1	16
0-300mm	405	60	8	1.5	16

Art No.	Range	Reading	Length Of Jaw	Accuracy Error	Barcode
2215-150	150mm/6"	0.01mm/0.0005"	40mm	0.03mm	6971570718029

Digital Tube Thickness Caliper





Description

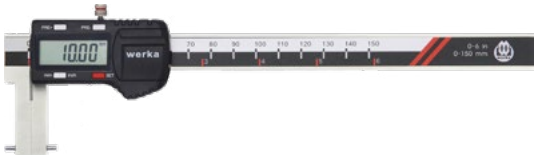
- A green LED light turn on when the reading is within preset tolerance limits,Absolute system with 3V
- IP54 protection, water and dust resistant
- Scale with glass rail for precision sampling
- No moving speed limit,Stainless steel, hardened
- Designed for measuring the wall thickness of tube
- With ORIGIN,MODE,TOL and INC/POWER four buttons
- Deliver in plastic box with inspection report
- Big LCD display, Data output with mini USB interface

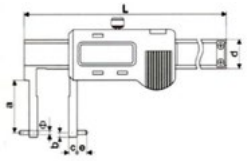
Overall Dimension(mm)

Range	L	a	b	h
0-150mm	250	46	4	16
0-200mm	300	50	4	16
0-300mm	400	66	4	16

Art.No.	Range	Reading	Barcode
2216-150	0-150mm/0-6"	0.01mm/0.0005"	6971570718081

Digital Caliper For Inside Grooves





Description

- Suitable for measuring special inner diameters and special inner groove sizes
- Made of stainless steel, with fine adjustment roller
- Four buttons: SET, mm/inch, PRE+, PRE-
- Preset values can be set through PRE+,PRE-
- CR2032,Packed in plastic box

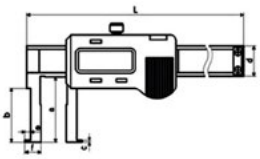
Overall dimension(mm)

Range	L	a	b	c	d	e	Φ
20-150 mm	250	30	3	7	16	5	2
25-150 mm	250	30	3	7	16	5	2
20-200 mm	310	40	3	7.5	16	5	2
25-200 mm	310	40	3	7.5	16	5	2
30-300 mm	410	50	3	10	16	5	2

Art.No.	Range	Reading	Indication Error	Length Of Jaw	Barcode
2251-150-34C	20-150 mm	0.01mm	±0.04mm	34 mm	6976367674519
2251-150-44C	25-150 mm	0.01mm	±0.04mm	44 mm	6976367674526
2251-200-35C	20-200 mm	0.01mm	±0.04mm	35.5 mm	6976367674533
2251-200-45C	25-200 mm	0.01mm	±0.04mm	45.5 mm	6976367674540
2251-300-43C	30-300 mm	0.01mm	±0.05mm	43.5 mm	6976367674557
2251-300-53C	30-300 mm	0.01mm	±0.05mm	53.5 mm	6976367674564

Digital Caliper For Inside Grooves





Description

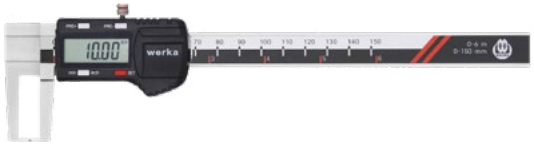
- Suitable for measuring special inner diameters and special inner groove sizes
- Made of stainless steel, with fine adjustment roller
- Four buttons: SET, mm/inch, PRE+, PRE-
- Preset values can be set through PRE+,PRE-
- CR2032
- Packed in plastic box

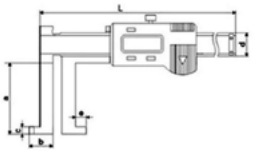
Overall dimension(mm)

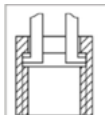
Range	L	a	b	c	d	e	f
20-150 mm	250	36	30	1	16	5	11
35-150 mm	250	66	60	1.5	16	6	17.5
20-200 mm	310	46	40	1	16	5	12.5
40-200 mm	310	76	70	1.5	16	7	20
30-300 mm	410	56	50	1.5	17	5	15
50-300 mm	410	68	80	1.5	17	8	25

Art.No.	Range	Reading	Indication Error	Length Of Jaw	Barcode
2251-150-40A	20-150 mm	0.01mm	±0.04mm	40 mm	6976367674397
2251-150-60A	35-150 mm	0.01mm	±0.05mm	60 mm	6976367674403
2251-200-40A	20-200 mm	0.01mm	±0.04mm	40 mm	6976367674410
2251-200-70A	40-200 mm	0.01mm	±0.05mm	70 mm	6976367674427
2251-300-60A	30-300 mm	0.01mm	±0.05mm	60 mm	6976367674434
2251-300-80A	50-300 mm	0.01mm	±0.06mm	80 mm	6976367674441

Digital Caliper For Inside Grooves







Description

- Suitable for measuring special inner diameters and special inner groove sizes
- Made of stainless steel, with fine adjustment roller
- Four buttons: SET, mm/inch, PRE+, PRE-
- Preset values can be set through PRE+,PRE-
- CR2032
- Packed in plastic box

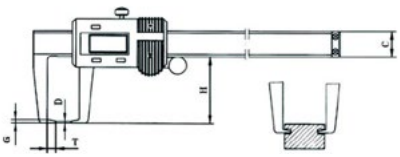
Overall dimension(mm)

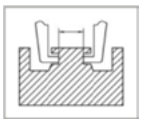
Range	L	a	b	c	d	e
8-150 mm	236	30	12	1	16	5
10-150 mm	236	60	12	1	16	5
10-200 mm	290	40	13	1	16	5
19-200 mm	290	70	20	1.5	16	7
25-300 mm	400	80	24	1.5	17	8
30-300 mm	453	110	31	3.5	20	12

Art.No.	Range	Reading	Indication Error	Length Of Jaw	Barcode
2251-150-40B	8-150 mm	0.01mm	±0.03mm	40 mm	6976367674458
2251-150-60B	10-150 mm	0.01mm	±0.03mm	60 mm	6976367674465
2251-200-40B	10-200 mm	0.01mm	±0.04mm	40 mm	6976367674472
2251-200-70B	19-200 mm	0.01mm	±0.05mm	70 mm	6976367674489
2251-300-50B	25-300 mm	0.01mm	±0.06mm	50 mm	6976367674496
2251-300-100B	30-300 mm	0.01mm	±0.06mm	100 mm	6976367674502

Digital Caliper For Outside Grooves







Description

- Suitable for measuring special inner diameters and special inner groove sizes
- Made of stainless steel, with fine adjustment roller
- Four buttons: SET, mm/inch, PRE+, PRE-
- Preset values can be set through PRE+,PRE-
- CR2032,Packed in plastic box

Overall dimension(mm)

Range	H	D	G	C	T
0-150 mm	40	1	2	16	5
0-200 mm	50	1.5	2.5	16	8
0-300 mm	60	1.5	3	17	10

Art.No.	Range	Reading	Indication Error	Length Of Jaw	Barcode
2261-150-40A	0-150 mm	0.01mm	±0.04mm	40 mm	6976367674625
2261-200-40A	0-200 mm	0.01mm	±0.05mm	40 mm	6976367674632
2261-300-60A	0-300 mm	0.01mm	±0.06mm	60 mm	6976367674649

Digital Caliper For Inside Grooves

Description

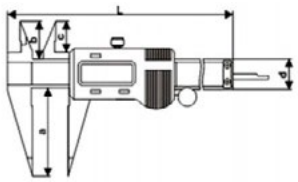
- Suitable for measuring special inner diameters and special inner groove sizes
- Made of stainless steel, with fine adjustment roller
- Four buttons: SET, mm/inch, PRE+, PRE-
- Preset values can be set through PRE+,PRE-
- CR2032
- Packed in plastic box

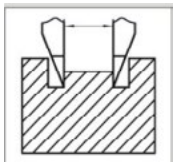


Art.No.	Range	Reading	Indication Error	Length Of Jaw	Barcode
2251-150-25E	0-150 mm	0.01mm	±0.04mm	25 mm	6976367674601
2251-200-30E	0-200 mm	0.01mm	±0.05mm	30 mm	6976367674618

Digital Point Caliper







Description

- Suitable for measuring special external dimensions and outer diameters
- Made of stainless steel, with fine adjustment roller
- Three buttons: OFF/ON, ZERO, mm/inch
- CR2032
- Packed in plastic box

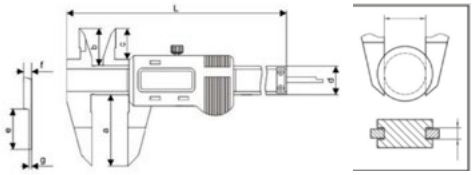
Overall dimension(mm)

Range	L	a	b	c	d
0-150 mm	236	40	21	16	16
0-200 mm	286	50	24	19	16
0-300 mm	400	60	25	20	17

Art.No.	Range	Reading	Indication Error	Barcode
2252-150	0-150 mm	0.01mm	±0.03mm	6976367674656
2252-200	0-200 mm	0.01mm	±0.03mm	6976367674663
2252-300	0-300 mm	0.01mm	±0.04mm	6976367674670

Digital Blade Caliper





Description

- Suitable for measuring the outer dimensions and outer diameters of special grooves
- Made of stainless steel, with fine adjustment roller
- Three buttons: OFF/ON, ZERO, mm/inch
- CR2032,Packed in plastic box

Overall dimension(mm)

Range	L	a	b	c	d	e	f	g
0-150 mm	236	40	21	16	16	20	3.2	0.7
0-200 mm	286	50	24	19	16	20	3.6	0.7
0-300 mm	400	60	25	20	17	20	3.8	1

Art.No.	Range	Reading	Indication Error	Barcode
2253-150	0-150 mm	0.01mm	±0.02mm	6976367674687
2253-200	0-200 mm	0.01mm	±0.03mm	6976367674694
2253-300	0-300 mm	0.01mm	±0.04mm	6976367674700

Digital Caliper With Large Measuring Face

Description

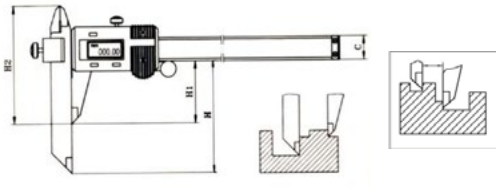
- Suitable for measuring the external dimensions of special contact surfaces
- Made of stainless steel, with fine adjustment roller
- Three buttons: OFF/ON, ZERO, mm/inch,CR2032
- Packed in plastic box



Art.No.	Range	Reading	Indication Error	Measuring Face	Barcode
2255-150	0-150 mm	t0.01mm	±0.03mm	20x30 mm	6976367674748
2255-200	0-200 mm	0.01mm	±0.04mm	20x30 mm	6976367674755
2255-300	0-300 mm	0.01mm	±0.05mm	20x30 mm	6976367674762

Digital Offset Caliper





Description

- Suitable for measuring the external dimensions of special high and low surface grooves
- Made of stainless steel, with fine adjustment roller
- Three buttons: OFF/ON, ZERO, mm/inch,CR2032
- Packed in plastic box

Overall dimension(mm)

Range	H1	H2	H
0-150 mm	40	77	73
0-200 mm	50	90.5	79.5
0-300 mm	60	102	88

Art.No.	Range	Reading	Indication Error	Barcode
2254-150	0-150 mm	0.01mm	±0.04mm	6976367674717
2254-200	0-200 mm	0.01mm	±0.05mm	6976367674724
2254-300	0-300 mm	0.01mm	±0.06mm	6976367674731

Digital Caliper With Disk Face



Description

- Suitable for measuring the external dimensions of special contact surfaces
- Made of stainless steel, with fine adjustment roller
- Three buttons: OFF/ON, ZERO, mm/inch
- CR2032
- Packed in plastic box

Art.No.	Range	Reading	Length Of Jaw	Barcode
2256-150-50	0-150 mm	0.01mm	50 mm	6976367674779
2256-150-100	0-150 mm	0.01mm	100 mm	6976367674786
2256-200-80	0-200 mm	0.01mm	80 mm	6976367674793
2256-300-120	0-300 mm	0.01mm	120 mm	6976367674809

Digital Arc Radius Caliper



Description

- Suitable for measuring the diameter of semi-circular and shaft parts
- Made of stainless steel, with fine adjustment roller
- Four buttons: SET, mm/inch, PRE+, PRE-
- Preset values can be set through PRE+,PRE-
- CR2032,Packed in plastic box

Art.No.	Range	Reading	Length Of Jaw	Barcode
2257-150	3-150 mm	0.01mm	65 mm	6976367674816
2257-200	3-200 mm	0.01mm	85 mm	6976367674823

Digital Disc Brake Caliper

NEW

Description

- Suitable for measuring the thickness of brake pads and checking the degree of wear
- Made of stainless steel, with fine adjustment roller
- Three buttons: OFF/ON, ZERO, mm/inch
- CR2032
- Packed in plastic box





Art.No.	Range	Reading	Length Of Jaw	Barcode
2258-75	0-75 mm	0.01mm	93 mm	6976367674830
2258-100	0-100 mm	0.01mm	93 mm	6976367674847
2258-150	0-150 mm	0.01mm	93 mm	6976367674854

Digital Chamfer Gauge

NEW

Description

- Made of stainless steel, with fine adjustment roller
- Three buttons: OFF/ON, ZERO, mm/inch
- CR2032
- Packed in plastic box



Art.No.	Range	Reading	Chamfer	Barcode
2259-0615	0-6 mm	0.01mm	15°	6976367674861
2259-0620	0-6 mm	0.01mm	20°	6976367674878
2259-0630	0-6 mm	0.01mm	30°	6976367674885
2259-0645	0-6 mm	0.01mm	45°	6976367674892
2259-0660	0-6 mm	0.01mm	60°	6976367674908

Digital Height Gauge-Mini Type

NEW

Description

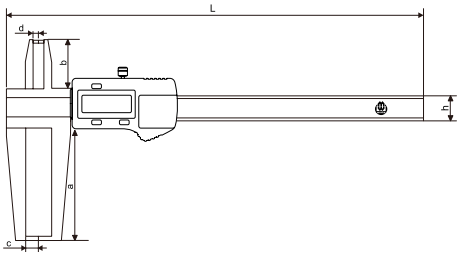
- Suitable for measuring the dimensions of high and low surfaces
- Made of stainless steel
- 3 Buttons: OFF/ON , ZERO, mm/inch
- 3V Battery CR2032
- Packed in plastic box



Art.No.	Range	Reading	Indication Error	Barcode
2260-010	0-10 mm	0.01mm	±0.03mm	6976367674915
2260-020	0-20 mm	0.01mm	±0.03mm	6976367674922

Digital Inside Groove Caliper With Double Jaws





Description

- Universal housing
- Made of stainless steel,hardened
- Upper jaws,Lower jaws
- Stop screw for the vernier
- 1.5V button cell
- Delivered with a manual,Plastic box
- ON/FF,Reset at any position,mm/inch

Overall Dimension(mm)

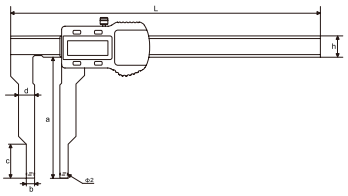
Range	L	a	b	c	d	h
13-150/24-150mm	270	70	30	8.5	3.5	16
13-200/24-200mm	320	70	30	8.5	3.5	16

Art No.	Range	Reading	Indication Error	Standard	Barcode
2238-150	13-150/ 24-150 mm	0.01mm	0.05 mm	Enterprise	6974804571513
2238-200	13-200/ 24-200 mm	0.01mm	0.06 mm	Enterprise	6974804571520



Digital Caliper With Interchangeable Probes





Description

- Various probes for the measurement of different inside and outside grooves
- Made of stainless steel
- Extended jaws,Interchangeable probes
- Delivered with 4 pairs of standard probes
- With data output,Stop screw for the vernier
- A 3V battery
- Delivered with an inspection report and a manual
- Plastic box
- ON/FF,Reset at any position
- mm/inch,(+/-) Preset

Overall Dimension(mm)

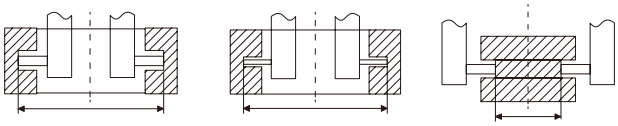
Range	L	a	b	c	d	h
0-300mm	407	90	6	25	12	16

4pair Measuring Tips Set

Art No.	Content
WP-2235-300B-03	Short spherical and falt point x1pair Long spherical and flat points x1pair Short spherical blade points x1pair Long spherical blade points x1pair

Art No.	Range	Reading	Indication Error	Standard	Barcode
2235-300B	0-300 mm	0.01mm	0.04 mm	Enterprise	6972727953836

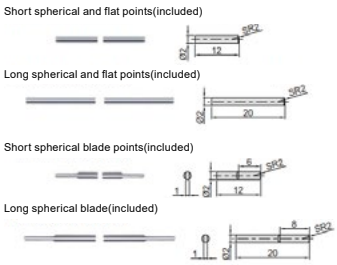
Accessory



Spherical point for groove measurement

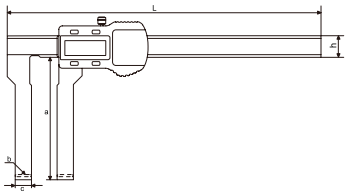
Spherical blade point for narrow groove measurement

Flat point for external groove measurement



Digital Caliper With Interchangeable Probes





Description

- Various probes for the measurement of different inside and outside grooves
- Made of stainless steel
- Extended jaws,Interchangeable probes
- Delivered with 4 pairs of standard probes
- With data output
- Stop screw for the vernier,A 3V battery
- Delivered with an inspection report and a manual
- Plastic box
- ON/FF,Reset at any position
- mm/inch,(+/-) Preset

Overall Dimension(mm)

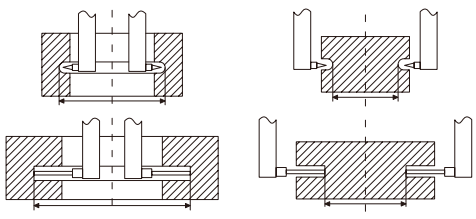
Range	L	a	b	c	h
0-300mm	407	90	M2.5x0.45	12	16

4pair Measuring Tips Set

Art No.	Content
WP-2235-300-03	Long round points x1pair Long Conical points x1pair Short Conical points x1pair Pin points x1pair

Art No.	Range	Reading	Indication Error	Standard	Barcode
2235-300	0-300 mm	0.01mm	0.04 Mm	Enterprise	6974804571490

Internal And External Groove Measurment



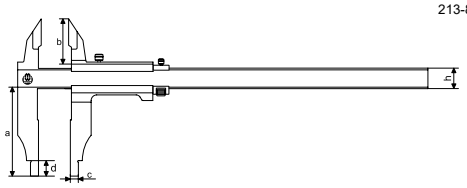
Interchangeable Points(Included)



Workshop Vernier Caliper



213-8425 213-8432 213-8449



Description

- Stainless steel, hardened,Satin chrome finished
- Monoblock,Knife pionts
- For outside and inside measurement
- With fine adjustment
- In plastic box,Deliver with inspection report

Overall Dimension(mm)

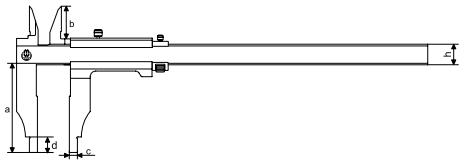
Range	a	b	c	d	h
0-300x0.05mm/90mm	90	40	10	12	20
0-500x0.05mm/150mm	150	56	10	18	24
0-1000x0.05mm/150mm	150	67	10	24	31

Art No.	Range	Reading	Length Of Jaw	Accuracy Error	Inside Measuring	Barcode
213-8425	0-300mm/0-12"	0.05mm/1/128"	100	±0.07mm	20mm	6971570718425
213-8432	0-500mm/0-20"	0.05mm/1/128"	150	±0.09mm	20mm	6971570718432
213-8449	0-1000mm/0-40"	0.05mm/1/128"	150	±0.10mm	20mm	6971570718449

Workshop Vernier Caliper



213-8456 For others



Description

- Stainless steel, hardened,Satin chrome finished
- Monoblock,with cross pionts
- For outside and inside measurement
- With fine adjustment
- In plastic box
- Deliver with inspection report

Art No.	Range	Reading	Length Of Jaw	Accuracy Error	Inside Measuring	Barcode
213-8456	0-300mm/0-12"	0.05mm/1/128"	100mm	±0.07mm	20mm	6971570718456
213-8463	0-500mm/0-20"	0.05mm/1/128"	150mm	±0.09mm	20mm	6971570718463
213-8470	0-1000mm/0-40"	0.05mm/1/128"	150mm	±0.10mm	20mm	6971570718470
2104-501	0-500mm/0-20"	0.05mm/1/128"	100 mm	±0.08 mm	20mm	6972727951160
2104-601	0-600 mm/0-24"	0.05mm/1/128"	100 mm	±0.08 mm	20mm	6972727951177
2104-600	0-600 mm/0-24"	0.05mm/1/128"	150 mm	±0.09 mm	20mm	6972727951184
2104-801	0-800 mm/0-32"	0.05mm/1/128"	100 mm	±0.12mm	20mm	6972727951191
2104-802	0-800 mm/0-32"	0.05mm/1/128"	200 mm	±0.12 mm	20mm	6972727951207
2104-1001	0-1000 mm/0-40"	0.05mm/1/128"	100 mm	±0.09mm	20mm	6972727951214
2104-1002	0-1000 mm/0-40"	0.05mm/1/128"	125 mm	±0.09mm	20mm	6972727951221
2104-2300	0-300 mm/0-12"	0.02mm/0.001"	100 mm	±0.05 mm	20mm	6972727951238
2104-2501	0-500 mm/0-20"	0.02mm/0.001"	100 mm	±0.05 mm	20mm	6972727951245
2104-2500	0-500 mm/0-20"	0.02mm/0.001"	150 mm	±0.06 mm	20mm	6972727951252
2104-2601	0-600 mm/0-24"	0.02mm/0.001"	100 mm	±0.05 mm	20mm	6972727951269
2104-2600	0-600 mm/0-24"	0.02mm/0.001"	150 mm	±0.06 mm	20mm	6972727951276
2104-2801	0-800 mm/0-32"	0.02mm/0.001"	100 mm	±0.07mm	20mm	6972727951283
2104-2802	0-800 mm/0-32"	0.02mm/0.001"	200 mm	±0.08 mm	20mm	6972727951290
2104-2102	0-1000 mm/0-40"	0.02mm/0.001"	125 mm	±0.08 mm	20mm	6972727951306

Overall dimension(mm)

Range	a	b	c	d	h
0-300x0.05mm/90mm	90	30	10	12	20
0-500x0.05mm/150mm	150	39	10	18	24
0-1000x0.05mm/150mm	150	51.5	10	24	31
0-500x0.05mm/100mm	100	39	10	18	24
0-600x0.05mm/100mm	100	39	10	18	24
0-600x0.05mm/150mm	150	39	10	18	24
0-800x0.05mm/100mm	100	51.5	10	24	31
0-800x0.05mm/200mm	200	51.5	10	24	31
0-1000x0.05mm/100mm	100	51.5	10	24	31
0-1000x0.05mm/125mm	125	51.5	10	24	31
0-300x0.02mm/100mm	100	30	10	12	20
0-500x0.02mm/100mm	100	39	10	18	24
0-500x0.02mm/150mm	150	39	10	18	24
0-600x0.02mm/100mm	100	39	10	18	24
0-600x0.02mm/150mm	150	39	10	18	24
0-800x0.02mm/100mm	100	51.5	10	24	31
0-800x0.02mm/200mm	200	51.5	10	24	31
0-1000x0.02mm/125mm	125	51.5	10	24	31

Workshop Vernier Caliper



213-8395 For others



Description

- Stainless steel, hardened,Satin chrome finished
- For outside and inside measurement
- With fine adjustment,In plastic box
- Deliver with inspection report,Monoblock

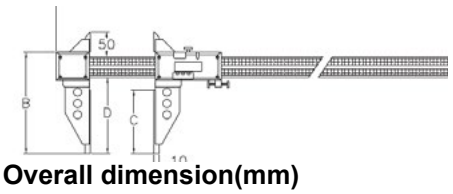
Art No.	Range	Reading	Length of jaw	Accuracy error	Inside Measuring	Barcode
213-8395	0-300mm/0-12"	0.05mm/1/128"	100mm	±0.07 mm	20mm	6971570718395
2105-301	0-300mm/0-12"	0.05mm/1/128"	150 mm	±0.08 mm	20mm	6974804578611
2105-401	0-400mm/0-16"	0.05mm/1/128"	150 mm	±0.08 mm	20mm	6974804578635
2105-402	0-400mm/0-16"	0.05mm/1/128"	200 mm	±0.09mm	20mm	6974804578642
213-8401	0-500mm/0-20"	0.05mm/1/128"	150mm	±0.09mm	20mm	6971570718401
2105-500	0-500mm/0-20"	0.05mm/1/128"	100 mm	±0.08 mm	20mm	6974804578659
2105-502	0-500mm/0-20"	0.05mm/1/128"	200 mm	±0.12 mm	20mm	6974804578666
2105-503	0-500mm/0-20"	0.05mm/1/128"	250 mm	±0.13 mm	20mm	6974804578673
213-9460	0-600mm/0-24"	0.05mm/1/128"	100 mm	±0.08 mm	20mm	6971570719460
213-9477	0-600mm/0-24"	0.05mm/1/128"	150 mm	±0.09 mm	20mm	6971570719477
2105-602	0-600mm/0-24"	0.05mm/1/128"	200 mm	±0.12 mm	20mm	6974804578680
2105-603	0-600mm/0-24"	0.05mm/1/128"	300 mm	±0.14 mm	20mm	6974804578697
2105-801	0-800mm/0-32"	0.05mm/1/128"	100 mm	±0.08 mm	20mm	6972727951313
2105-800	0-800mm/0-32"	0.05mm/1/128"	150 mm	±0.09 mm	20mm	6972727951320
2105-802	0-800mm/0-32"	0.05mm/1/128"	200 mm	±0.12 mm	20mm	6974804578703
2105-803	0-800mm/0-32"	0.05mm/1/128"	300 mm	±0.14 mm	20mm	6972727951337
213-8418	0-1000mm/0-40"	0.05mm/1/128"	150mm	±0.10mm	20mm	6971570718418
2105-1002	0-1000mm/0-40"	0.05mm/1/128"	200 mm	±0.13 mm	20mm	6974804578710
2105-1003	0-1000mm/0-40"	0.05mm/1/128"	300 mm	±0.15 mm	20mm	6974804578727
2105-1004	0-1000mm/0-40"	0.05mm/1/128"	500 mm	±0.42 mm	20mm	6974804578734
2105-1501	0-1500mm/0-60"	0.05mm/1/128"	150 mm	±0.16 mm	20mm	6974804578741
2105-1502	0-1500mm/0-60"	0.05mm/1/128"	200 mm	±0.20 mm	20mm	6974804578758
2105-1503	0-1500mm/0-60"	0.05mm/1/128"	300 mm	±0.30 mm	20mm	6974804578765
2105-2002	0-2000mm/0-80"	0.05mm/1/128"	200 mm	±0.20 mm	20mm	6974804578772
2105-2003	0-2000mm/0-80"	0.05mm/1/128"	300 mm	±0.30 mm	20mm	6974804578789
2105-3003	0-3000mm/0-120"	0.05mm/1/128"	300 mm	±0.37 mm	20mm	6974804578796
2105-2301	0-300mm/0-12"	0.02mm/0.001"	100 mm	±0.05 mm	20mm	6972727952846
2105-2501	0-500mm/0-20"	0.02mm/0.001"	100 mm	±0.05 mm	20mm	6972727952853
2105-2500	0-500mm/0-20"	0.02mm/0.001"	150 mm	±0.06 mm	20mm	6972727952860
2105-2601	0-600mm/0-24"	0.02mm/0.001"	100 mm	±0.05 mm	20mm	6972727952877
2105-2600	0-600mm/0-24"	0.02mm/0.001"	150 mm	±0.06 mm	20mm	6972727952884
2105-2801	0-800mm/0-32"	0.02mm/0.001"	100 mm	±0.05 mm	20mm	6972727951344
2105-2800	0-800mm/0-32"	0.02mm/0.001"	150 mm	±0.06 mm	20mm	6972727951351
2105-2803	0-800mm/0-32"	0.02mm/0.001"	300 mm	±0.10 mm	20mm	6972727951368
2105-2101	0-1000mm/0-40"	0.02mm/0.001"	125 mm	±0.06 mm	20mm	6972727952891
2105-2100	0-1000mm/0-40"	0.02mm/0.001"	150 mm	±0.07 mm	20mm	6972727952907
2105-2150	0-1500mm/0-60"	0.02mm/0.001"	150 mm	±0.11 mm	20mm	6972727952914
2105-2202	0-2000mm/0-80"	0.02mm/0.001"	200 mm	±0.14 mm	20mm	6972727952921
2105-2303	0-3000mm/0-120"	0.02mm/0.001"	300 mm	±0.31 mm	20mm	6972727952938

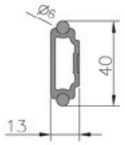
Overall Dimension(mm)

Range	a	c	d	h
0-300x0.05mm/100mm	100	10	12	20
0-500x0.05mm/150mm	150	10	18	24
0-1000x0.05mm/150mm	150	10	24	31
0-600x0.05mm/100mm	100	10	18	24
0-600x0.05mm/150mm	150	10	18	24
0-300x0.05mm/150mm	150	10	12	20
0-400x0.05mm/100mm	100	10	18	24
0-400x0.05mm/150mm	150	10	18	24
0-400x0.05mm//200mm	200	10	18	24
0-500x0.05mm/100mm	100	10	18	24
0-500x0.05mm/200mm	200	10	24	31
0-500x0.05mm/250mm	250	10	24	31
0-600x0.05mm/200mm	200	10	24	31
0-600x0.05mm/300mm	300	10	24	31
0-800x0.05mm/100mm	100	10	24	31
0-800x0.05mm/150mm	150	10	24	31
0-800x0.05mm/200mm	200	10	24	31
0-800x0.05mm/300mm	300	10	24	31
0-1000x0.05mm/200mm	200	10	24	31
0-1000x0.05mm/300mm	300	10	24	31
0-1000x0.05mm/500mm	500	10	24	31
0-1500x0.05mm/150mm	150	10	24	42
0-1500x0.05mm/200mm	200	10	24	42
0-1500x0.05mm/300mm	300	10	24	50
0-2000x0.05mm/200mm	200	10	24	42
0-2000x0.05mm/300mm	300	10	24	50
0-3000x0.05mm/300mm	300	10	24	50
0-300x0.02mm/100mm	100	10	12	20
0-500x0.02mm/100mm	100	10	18	24
0-500x0.02mm/150mm	150	10	18	24
0-600x0.02mm/100mm	100	10	18	24
0-600x0.02mm/150mm	150	10	18	24
0-800x0.02mm/100mm	100	10	24	31
0-800x0.02mm/150mm	150	10	24	31
0-800x0.02mm/300mm	300	10	24	31
0-1000x0.02mm/125mm	125	10	24	31
0-1000x0.02mm/150mm	150	10	24	31
0-1500x0.02mm/150mm	150	10	24	42
0-1500x0.02mm/200mm	200	10	24	42
0-2000x0.02mm/200mm	200	10	24	42
0-3000x0.02mm/300mm	300	10	24	50

Ip67 Carbon Fiber Digital Caliper







Description

- Made of carbon fiber
- IP67 Protect level
- Measuring faces of the jaws tin coated
- Cylindrical upper jaws Ø5mm
- Push/pull presser,With locking screw,CR2032

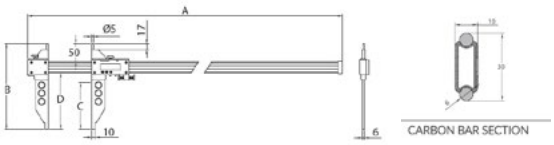
Overall dimension(mm)

Range	A	B	C	D
0-800 mm	1050	200	125	150
0-1000 mm	1250	200	125	150
0-2000 mm	2250	200	125	150

Art.No.	Range	Reading	Indication Error	Net weight	Barcode
2117-800-15	0-800 mm	0.01mm	±0.04 mm	1700 g	6976367672638
2117-1000-15	0-1000 mm	0.01mm	±0.04 mm	1900 g	6976367672645
2117-2000-15	0-2000 mm	0.01mm	±0.06 mm	2650 g	6976367672652

Ip67 Carbon Fiber Digital Caliper





Description

- Made of carbon fiber
- IP67 Protect level
- Double sliding gauge movable
- Measuring faces of the jaws tin coated
- Cylindrical upper jaws Ø5mm
- Push/pull presser,With locking screw,CR2032

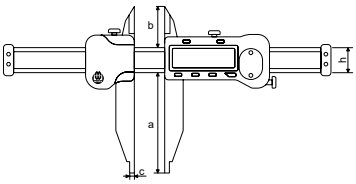
Overall dimension(mm)

Range	A	B	C	D
0-500 mm	710	230	125	150
0-600 mm	810	230	125	150

Art.No.	Range	Reading	Indication Error	Net weight	Barcode
2116-500-15	0-500 mm	0.01mm	±0.03 mm	1120 g	6976367672669
2116-600-15	0-600 mm	0.01mm	±0.03 mm	1180 g	6976367672676

Long-Range Light Digital Caliper





Description

- Made in and originated from Germany
- Super large display, clearer digit,ABS system
- Made of light metal,anodized surface
- Lower jaws with arc internal measuring blades (20mm for each side), and with upper jaws
- With stop screws, 3V battery(CR2032)
- Delivered with an inspection report
- Fancy plastic box, ON/OFF,Reset,mm/inch
- Absolute/relative mode,(+/-)Preset

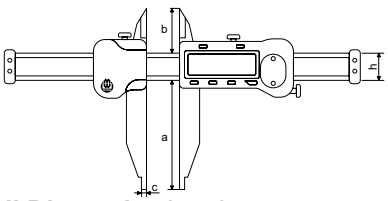
Overall Dimension(mm)

Range	a	b	c	h
0-1500x0.01mm/150mm	150	55	20	18
0-2000x0.01mm/150mm	150	55	20	18
0-2500x0.01mm/150mm	150	55	20	18
0-3000x0.01mm/150mm	150	55	20	18

Art.No.	Range	Scale	Indicatioin Error	Lower Jaw	Barcode
2112-1500G	0-1500 mm	0.01 mm	0.10 mm	150 mm	6974804572725
2112-2000G	0-2000 mm	0.01 mm	0.13 mm	150 mm	6974804572732
2112-2500G	0-2500 mm	0.01 mm	0.20 mm	150 mm	6974804572749
2112-3000G	0-3000 mm	0.01 mm	0.25 mm	150 mm	6974804572756

Light Digital Caliper





Description

- Made in and originated from Germany
- Super large display, clearer digit, ABS system
- Made of light metal,anodized surface
- Lower jaws with arc internal measuring blades (10mm for each side), and with upper jaws.
- With stop screws, 3V battery(CR2032)
- Delivered with an inspection report
- Fancy plastic box, ON/OFF,Reset,mm/inch
- Absolute/relative mode,(+/-)Preset

Overall Dimension(mm)

Range	a	b	c	h
0-300x0.01mm/90mm	90	35	10	18
0-500x0.01mm/90mm	90	35	10	18
0-800x0.01mm/90mm	90	35	10	18
0-1000x0.01mm/90mm	90	35	10	18

Art.No.	Range	Scale	Indication Error	Lower Jaw	Barcode
2111-300G	0-300 mm	0.01 mm	0.04 mm	90 mm	6974804572688
2111-500G	0-500 mm	0.01 mm	0.05 mm	90 mm	6974804572695
2111-800G	0-800 mm	0.01 mm	0.06 mm	90 mm	6974804572701
2111-1000G	0-1000 mm	0.01 mm	0.06 mm	90 mm	6974804572718

Workshop Digital Caliper



213-8609 213-8616 213-8623



Description

- Stainless steel, hardened
- With knife points and fine adjustment
- With preset,mm/inch,ABS,ZERO,OFF/ON six buttons
- Deliver in plastic box with 3V CR2032 battery and inspection report

Overall Dimension(mm)

Range	a	b	c	d	h
0-300x0.01mm/100mm	100	56	10	18	24
0-500x0.01mm/150mm	150	56	10	18	24
0-1000x0.01mm/150mm	150	67	10	24	31

Art No.	Range	Reading	Length Of Jaw	Accuracy Error	Inside Measuring	Barcode
213-8609	300mm/12"	0.01mm/0.0005"	100mm	±0.05mm	20 mm	6971570718609
213-8616	500mm/20"	0.01mm/0.0005"	150mm	±0.06mm	20 mm	6971570718616
213-8623	1000mm/40"	0.01mm/0.0005"	150mm	±0.07mm	20 mm	6971570718623

Workshop Digital Caliper



213-8630 For others



Description

- Stainless steel, hardened
- With cross points and fine adjustment
- With preset,mm/inch,ABS,ZERO,OFF/ON six buttons
- Deliver in plastic box with 3V CR2032 battery and inspection report

Overall Dimension(mm)

Range	a	b	c	d	h
0-300x0.01mm/100mm	100	36.5	10	12	20
0-500x0.01mm/150mm	150	51.5	10	24	31
0-1000x0.01mm/150mm	150	51.5	10	24	31
0-500x0.01mm/100mm	100	38	10	18	24
0-600x0.01mm/100mm	100	38	10	18	24
0-600x0.01mm/150mm	150	51.5	10	24	31

Art No.	Range	Reading	Length Of Jaw	Accuracy Error	Inside Measuring	Barcode
213-8630	300mm/12"	0.01mm/0.0005"	100mm	±0.05mm	20 mm	6971570718630
213-8647	500mm/20"	0.01mm/0.0005"	150mm	±0.06mm	20 mm	6971570718647
2212-501	500mm/20"	0.01mm/0.0005"	100 mm	±0.05 mm	20 mm	6972727951405
2212-601	600mm/24"	0.01mm/0.0005"	100 mm	±0.05 mm	20 mm	6972727951412
2212-600	600mm/24"	0.01mm/0.0005"	150 mm	±0.06 mm	20 mm	6972727951429
213-8654	1000mm/40"	0.01mm/0.0005"	150mm	±0.07mm	20 mm	6971570718654

Workshop Digital Caliper



213-8579 For others



Description

- Stainless steel, hardened,With fine adjustment
- With preset, mm/inch ,ABS, ZERO, OFF/ON six buttons
- Deliver in plastic box with 3V CR2032 battery and inspection report

Overall Dimension(mm)

Range	a	c	d	h
0-300x0.01mm/100mm	100	10	18	24
0-500x0.01mm/150mm	150	10	18	24
0-1000x0.01mm/150mm	150	10	24	31
0-600x0.01mm/100mm	100	10	18	24
0-600x0.01mm/150mm	150	10	18	24
0-600x0.01mm/200mm	200	10	24	31
0-800x0.01mm/100mm	100	10	24	31
0-800x0.01mm/150mm	150	10	24	31
0-1500x0.01mm/200mm	200	10	24	42
0-2000x0.01mm/200mm	200	10	24	42

Art No.	Range	Reading	Length of jaw	Accuracy error	Inside Measuring	Barcode	Remark
213-8579	300mm/12"	0.01mm/0.0005"	100mm	±0.05mm	20 mm	6971570718579	
213-8586	500mm/20"	0.01mm/0.0005"	150mm	±0.06mm	20 mm	6971570718586	
213-9484	600mm/24"	0.01mm/0.0005"	100 mm	±0.05 mm	20 mm	6971570719484	
213-9491	600mm/24"	0.01mm/0.0005"	150 mm	±0.06 m	20 mm	6971570719491	
2213-801	800mm/32"	0.01mm/0.0005"	100 mm	±0.06 mm	20 mm	6974804579571	
2213-800	800mm/32"	0.01mm/0.0005"	150 mm	±0.07 mm	20 mm	6974804579588	
213-8593	1000mm/40"	0.01mm/0.0005"	150mm	±0.07mm	20 mm	6971570718593	
2213-1500	1500mm/60"	0.01mm/0.0005"	200 mm	±0.12 mm	20 mm	6972727958909	
2213-2000	2000mm/80"	0.01mm/0.0005"	200 mm	±0.14 mm	20 mm	6972727958893	
2213-300-15	300mm/12"	0.01mm/0.0005"	150 mm	±0.05mm	20 mm	6976367674212	New
2213-300-20	300mm/12"	0.01mm/0.0005"	200 mm	±0.06mm	20 mm	6976367674229	New
2213-500-20	500mm/20"	0.01mm/0.0005"	200 mm	±0.07mm	20 mm	6976367674236	New
2213-500-25	500mm/20"	0.01mm/0.0005"	250 mm	±0.07mm	20 mm	6976367674243	New
2213-500-30	500mm/20"	0.01mm/0.0005"	300 mm	±0.08mm	20 mm	6976367674250	New
213-8819	600mm/24"	0.01mm/0.0005"	200 mm	±0.07mm	20 mm	6974804578819	New
2213-600-30	600mm/24"	0.01mm/0.0005"	300 mm	±0.08mm	20 mm	6976367674274	New
2213-800-20	800mm/32"	0.01mm/0.0005"	200 mm	±0.08mm	20 mm	6976367674281	New
2213-800-30	800mm/32"	0.01mm/0.0005"	300 mm	±0.10mm	20 mm	6976367674298	New
2213-1000-20	1000mm/40"	0.01mm/0.0005"	200 mm	±0.09mm	20 mm	6976367674304	New
2213-1000-30	1000mm/40"	0.01mm/0.0005"	300 mm	±0.10mm	20 mm	6976367674311	New
2213-1500-30	1500mm/60"	0.01mm/0.0005"	300 mm	±0.16mm	20 mm	6976367674328	New
2213-2000-30	2000mm/80"	0.01mm/0.0005"	300 mm	±0.18mm	20 mm	6976367674335	New

IP66 Water-Proof Workshop Digital Caliper

213-8517 213-8524 213-8531





Description

- Attention: Be sure to keep the caliper away from heavy magnet or magnetic area
- With magnetic measuring system
- IP66 protection, water and dust resistant
- Stainless steel, hardened,Low battery alarm
- With knife points and fine adjustment
- With REL,mm/inch and ABS three buttons
- Zero setting,mm/inch convenient at any position
- Deliver in plastic box with 3V CR2032 battery and inspection report

Overall Dimension(mm)

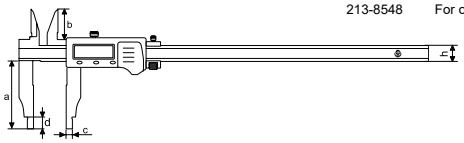
Range	a	b	c	d	h
0-300x0.01mm/100mm	100	56	10	18	24
0-500x0.01mm/150mm	150	56	10	18	24
0-1000x0.01mm/150mm	150	67	10	24	31

Art No.	Range	Reading	Length Of Jaw	Accuracy Error	Inside Measuring	Barcode
213-8517	300mm/12"	0.01mm/0.0005"	100mm	±0.05mm	20 mm	6971570718517
213-8524	500mm/20"	0.01mm/0.0005"	150mm	±0.06mm	20 mm	6971570718524
213-8531	1000mm/40"	0.01mm/0.0005"	150mm	±0.07mm	20 mm	6971570718531

IP66 Water-Proof Workshop Digital Caliper

213-8548 For others





Description

- Attention: Be sure to keep the caliper away from heavy magnet or magnetic area
- With magnetic measuring system
- IP66 protection, water and dust resistant
- Stainless steel, hardened
- With cross points and fine adjustment
- With REL , mm/inch and ABS three buttons
- Zero setting,mm/inch convenient at any position
- Low battery alarm
- Deliver in plastic box with 3V CR2032 battery and inspection report

Overall Dimension(mm)

Range	a	b	c	d	h
0-300x0.01mm/100mm	100	36.5	10	12	20
0-500x0.01mm/150mm	150	51.5	10	24	31
0-1000x0.01mm/150mm	150	51.5	10	24	31
0-500x0.01mm/100mm	100	38	10	18	24
0-600x0.01mm/100mm	100	38	10	18	24
0-600x0.01mm/150mm	150	51.5	10	24	31

Art No.	Range	Reading	Length Of Jaw	Accuracy Error	Inside Measuring	Barcode
213-8548	300mm/12"	0.01mm/0.0005"	100mm	±0.05mm	20 mm	6971570718548
213-8555	500mm/20"	0.01mm/0.0005"	150mm	±0.06mm	20 mm	6971570718555
2209-501	500mm/20"	0.01mm/0.0005"	100 mm	±0.06 mm	20 mm	6972727951375
2209-601	600 mm/24"	0.01mm/0.0005"	100 mm	±0.06 mm	20 mm	6972727951382
2209-600	600 mm/24"	0.01mm/0.0005"	150 mm	±0.06 mm	20 mm	6972727951399
213-8562	1000mm/40"	0.01mm/0.0005"	150mm	±0.07mm	20 mm	6971570718562

IP66 Water-Proof Workshop Digital Caliper

213-8487 For others





Description

- Attention: Be sure to keep the caliper away from heavy magnet or magnetic area
- With magnetic measuring system
- IP66 protection, water and dust resistant
- Stainless steel, hardened,With fine adjustment
- With REL , mm/inch and ABS three buttons
- Zero setting,mm/inch convenient at any position
- Low battery alarm
- Deliver in plastic box with 3V CR2032 battery and inspection report

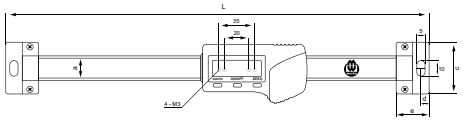
Overall dimension(mm)

Range	a	c	d	h
0-300x0.01mm/100mm	100	10	18	24
0-500x0.01mm/150mm	150	10	18	24
0-1000x0.01mm/150mm	150	10	24	31
0-500x0.01mm/100mm	100	10	18	24
0-600x0.01mm/100mm	100	10	18	24
0-600x0.01mm/150mm	150	10	18	24
0-800x0.01mm/100mm	100	10	24	31
0-800x0.01mm/150mm	150	10	24	31
0-800x0.01mm/200mm	200	10	24	31
0-800x0.01mm/300mm	300	10	24	42

Art No.	Range	Reading	Length Of Jaw	Accuracy Error	Inside Measuring	Barcode
213-8487	300mm/12"	0.01mm/0.0005"	100mm	±0.05mm	20 mm	6971570718487
213-8494	500mm/20"	0.01mm/0.0005"	150mm	±0.06mm	20 mm	6971570718494
2210-501	500mm/20"	0.01mm/0.0005"	100 mm	±0.06 mm	20 mm	6972727951436
2210-601	600 mm/24"	0.01mm/0.0005"	100 mm	±0.06 mm	20 mm	6972727951443
2210-600	600 mm/24"	0.01mm/0.0005"	150 mm	±0.06 mm	20 mm	6972727951450
2210-801	800mm/32"	0.01mm/0.0005"	100 mm	±0.06 mm	20 mm	6972727951467
2210-800	800mm/32"	0.01mm/0.0005"	150 mm	±0.07 mm	20 mm	6972727951474
2210-802	800mm/32"	0.01mm/0.0005"	200 mm	±0.07 mm	20 mm	6972727951481
2210-803	800mm/32"	0.01mm/0.0005"	300 mm	±0.14 mm	20 mm	6972727951498
213-8500	1000mm/40"	0.01mm/0.0005"	150mm	±0.07mm	20 mm	6971570718500

Horizontal Digital Scale





Description

- Displacement measurement, worktable and lathe postioning etc
- Reset at any position,Made of stainless steel
- Both ends with fixed black holder
- LCD display,With Zero memory function
- 1.5V battery
- Delivered with holders installed on the back of the frame
- ON/OFF,Reset,mm/inch

Overall Dimension(mm)

Range	L	a	b	c	d	e
0-100mm	215	16	4	36	6	24
0-150mm	273	16	4	36	6	24
0-200mm	323	16	4	36	6	24
0-300mm	444	16	4	36	6	24
0-500mm	682	24	5.5	45	8	32
0-600mm	782	24	5.5	45	8	32
0-1000mm	1240	31	10.5	60	10	40

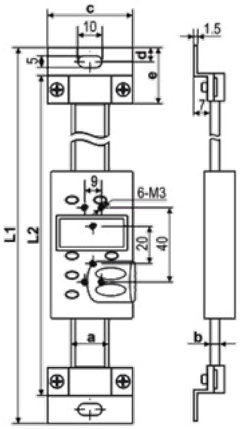
Art No.	Range	Reading	Indication Error	Barcode
4500-100B	100 mm	0.01mm	0.03 mm	6972727959067
4500-150B	150 mm	0.01mm	0.03 mm	6974804579519
4500-200B	200 mm	0.01mm	0.03 mm	6974804579526
4500-300B	300 mm	0.01mm	0.04 mm	6974804579533
4500-500B	500 mm	0.01mm	0.05 mm	6974804579540
4500-600B	600 mm	0.01mm	0.05 mm	6974804579557
4500-1000B	1000 mm	0.01mm	0.07 mm	6974804579564

Vertical Digital Scale

Description

- Used for displacement measurment worktable and lathe postioning etc
- Made of stainless steel
- Both ends with fixed black holder
- Zero setting at any position, ABS/REL convenient
- Data hold, preset and TOL setting
- With TOL setting
- 3V battery CR2032
- Delivery with holder installed on the back of the frame



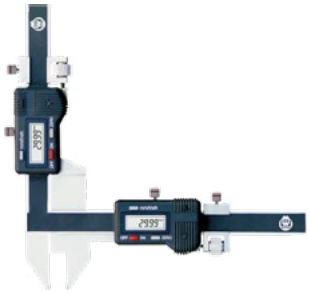


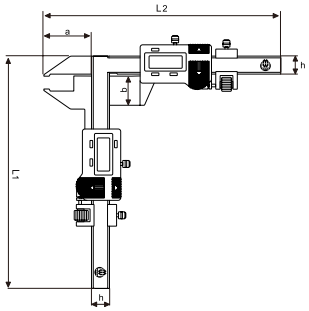
Overall dimension(mm)

Range	L1	L2	a	b	c	d	e
100 mm	244	220	20	4	40	6	24
150 mm	294	270	20	4	40	6	24
200 mm	344	320	20	4	40	6	24
300 mm	444	420	20	4	40	6	24
500 mm	664	640	24	5.5	45	8	32
600 mm	782	750	24	5.5	45	8	32
1000 mm	1240	1200	24	10.5	60	10	40

Art.No.	Range	Reading	Indication Error	Barcode
4500-100E	100 mm	0.01mm	0.03mm	6976367672935
4500-150E	150 mm	0.01mm	0.03mm	6976367672942
4500-200E	200 mm	0.01mm	0.03mm	6976367672959
4500-300E	300 mm	0.01mm	0.04mm	6976367672966
4500-500E	500 mm	0.01mm	0.05mm	6976367672973
4500-600E	600 mm	0.01mm	0.05mm	6976367672980
4500-1000E	1000 mm	0.01mm	0.07mm	6976367672997

Digital Gear Tooth Caliper





Description

- Stainless steel, hardened
- For measuring gear thickness
- With mm/inch, ON/OFF and zero buttons
- Hardened jaw tips
- Deliver in wooden box with 1.5V battery

Overall Dimension(mm)

Range	a	b	h	L1	L2
m1-25	30.5	21	16	170	165
m5-50	55	50.5	16	220	190

Art No.	Range	Reading	Accuracy Error	Barcode
214-8739	m1-25	0.01mm/0.0005"	±0.04mm	6971570718739
214-8746	m5-50	0.01mm/0.0005"	±0.04mm	6971570718746

Digital Disc Brake Caliper

Description

- Stainless steel, hardened,Big LCD display
- Designed for measuring the thickness of disc brake
- With one pointed anvil and one flat anvil
- With mm/inch, ON/OFF and ZERO 3 buttons
- Deliver in cardbox with 1.5V battery and inspection report



Art No.	Range	Reading	Barcode
214-9026	0-100x0.01mm/0-4x0.0005"	0.01mm/0.0005"	6971570719026

Digital Disc Brake Caliper

Description

- Stainless steel, hardened,Big LCD display
- Designed for measuring the thickness of disc brake
- With two pointed anvils
- With mm/inch, ON/OFF and ZERO 3 buttons
- Deliver in plastic box with 1.5V battery



Art No.	Range	Reading	Barcode
214-8722	0-60mm/0-2.4"	0.01mm/0.0005"	6971570718722



Accessory For Catliper



Description

- Accessory set
- Suitable for 3.5mm jaw thickness of calipers
- Plastic box

Art.No.	Barcode
WP-210-00	6974804572923



Descrption

- Accessory set
- Suitable for 4.5mm jaw thickness of 300mm calipers
- Plastic box

Art.No.	Barcode
WP-210-01	6974804572930



Description

- M2.5 probe set
- Suitable for large range calipers

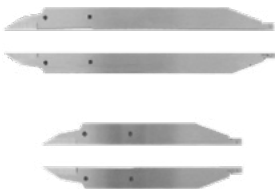
Art.No.	Barcode
WP-210-09998	6974804572909



Description

- Setting gauge
- Suitable for calibration and setting of large range calipers

Art.No.	Barcode
WP-210-09999	6974804572916



Descrption

- Interchangeable meausring jaws with upper blades and arc internal measuring jaws
- Suitable for large range calipers

Art.No.	Size	Barcode
WP-210-80090	90 mm	6974804572855
WP-210-80125	125 mm	6974804572862
WP-210-80150	150 mm	6974804572879



Descrption

- Interchangeable meausring jaws with upper blades
- Suitable for large range calipers

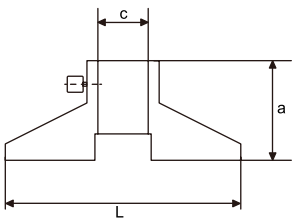
Art.No.	Size	Barcode
WP-210-09996	90 mm	6974804572886
WP-210-09997	150 mm	6974804572893

Depth Base



Description

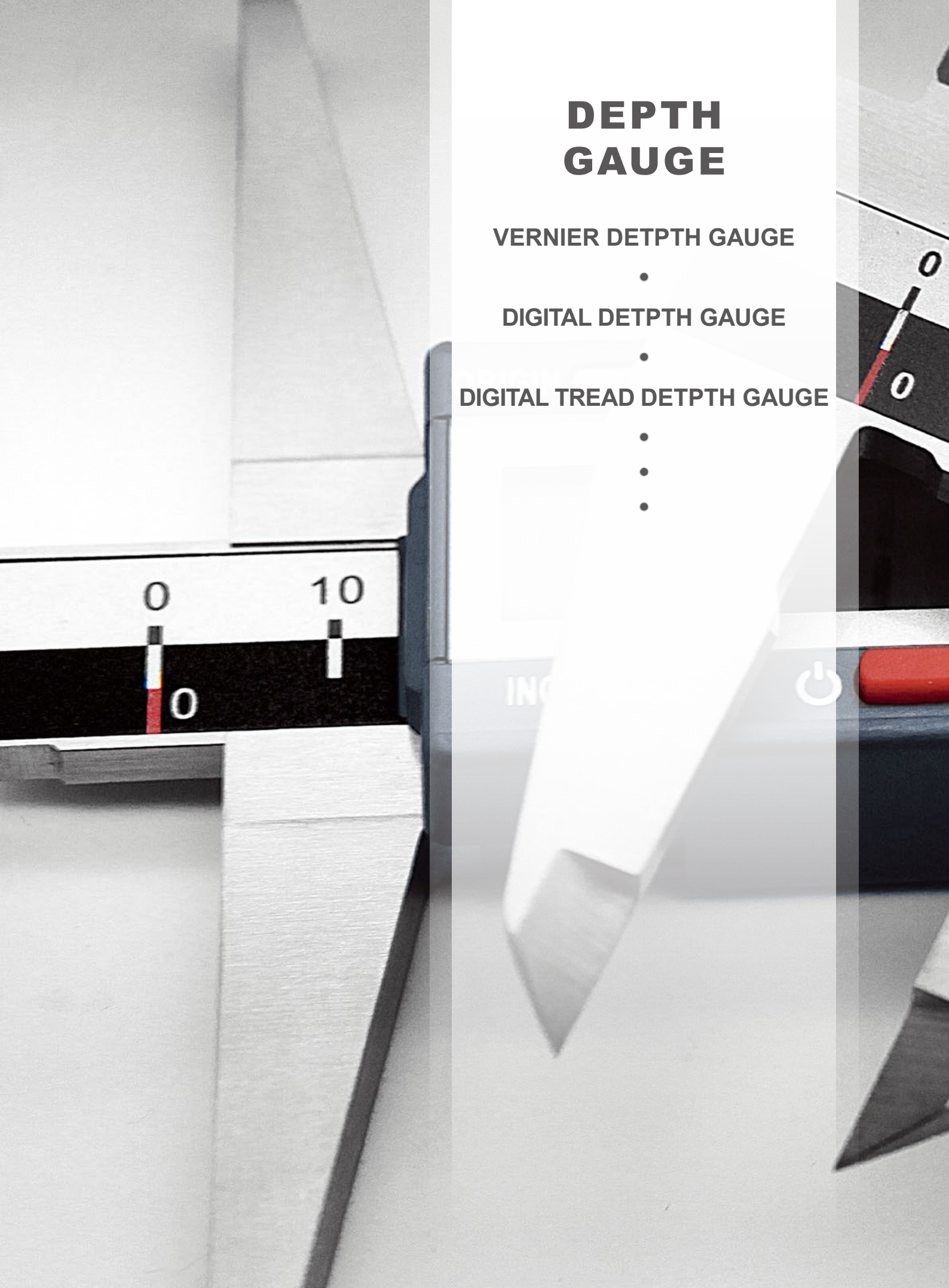
- Made of stainless steel
- With stop screw
- Suitable for calipers to increase the stability of depth measurement



Overall Dimension(mm)

L	a	b
76.2	30	16.2

Art No.	Range	Barcode
WP-210-DB10	76.2x30x16.2 mm	6972727959593



DEPTH GAUGE

VERNIER DETPTH GAUGE

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DIGITAL DETPTH GAUGE

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DIGITAL TREAD DETPTH GAUGE

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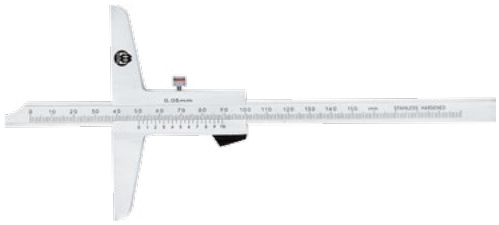
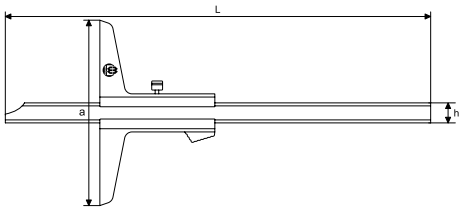
Vernier Depth Gauge





Description

- Accuracy according to DIN862
- Made of stainless steel,hardened
- Scale and nonius satin chrome finished
- Double scales enable to use as normal depth gauge
- Packed in plastic box
- Deliver with inspection report

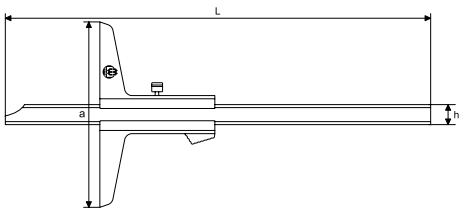
Overall Dimension(mm)

Range	L	a	h
0-150x0.02mm/100	245	100	11.5
0-200x0.02mm/100	282	100	11.5
0-300x0.02mm/100	382	100	11.5

Art No.	Range	Reading	Length Of Base	Accuracy Error	Barcode
2106-151	0-150mm	0.02mm	100mm	0.03mm	6972727950903
2106-201	0-200mm	0.02mm	100mm	0.03mm	6972727950910
2106-301	0-300mm	0.02mm	100mm	0.04mm	6972727950927

Vernier Depth Gauge





Description

- Accuracy according to DIN862.
- Made of stainless steel,hardened
- Scale and nonius satin chrome finished
- Packed in plastic box
- Deliver with inspection report

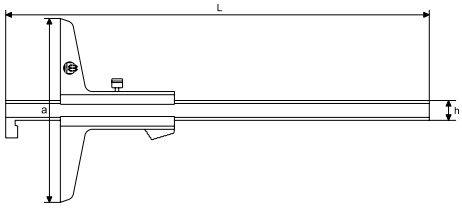
Overall Dimension(mm)

Range	L	a	h
0-150x0.05mm/100mm	245	100	11.5
0-200x0.05mm/150mm	282	100	11.5
0-300x0.05mm/150mm	382	100	11.5
0-500x0.05mm/150mm	585	150	11.5
0-6x0.001"/4"	245	100	11.5
0-12x0.001"/6"	382	100	11.5
0-20x0.001"/6"	585	150	11.5

Art No.	Range	Reading	Length of base	Accuracy error	Barcode	Remark
2106-161	0-160 mm	0.05 mm	150 mm	0.05 mm	6972727953829	New
211-0146	0-150mm	0.05mm	100mm	0.05mm	6971570710146	
211-9507	0-200mm	0.05mm	100mm	0.05mm	6971570719507	
211-0153	0-300mm	0.05mm	100mm	0.05mm	6971570710153	
211-0160	0-500mm	0.05mm	150mm	0.07mm	6971570710160	
211-0177	0-6"	0.001"	4"	0.05mm	6971570710177	
211-0184	0-12"	0.001"	4"	0.05mm	6971570710184	
211-0191	0-20"	0.001"	6"	0.07mm	6971570710191	

Vernier Depth Gauge With Single Hook





Description

- Accuracy according to DIN862
- Made of stainless steel,hardened
- Scale and nonius satin chrome finished
- Double scales enable to use as normal depth gauge
- Packed in plastic box, Deliver with inspection report

Overall Dimension(mm)

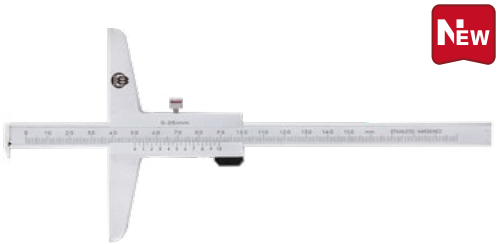
Range	L	a	h
0-150x0.05mm/100mm	245	100	11.5
0-300x0.05mm/150mm	382	100	11.5

Art No.	Range	Reading	Length Of Base	Accuracy Error	Barcode
211-0207	0-150mm	0.05mm	100mm	0.05mm	6971570710207
211-0214	0-300mm	0.05mm	100mm	0.05mm	6971570710214

Vernier Depth Gauge With Hook

Description

- Made of stainless steel, hardened
- Scale and nonius satin chrome finished
- Measuring face with hook, can measure the width of groove and position of groove
- Delivered with inspection report
- Packed in plastic box



Art.No.	Range	Reading	Length Of Base	Indication Error	Barcode
2107-5150C	0-150 mm	0.05mm	100 mm	±0.05mm	6976367673802
2107-5200C	0-200 mm	0.05mm	100 mm	±0.05mm	6976367673819
2107-5300C	0-300 mm	0.05mm	150 mm	±0.06mm	6976367673826
2107-5500C	0-500 mm	0.05mm	150 mm	±0.07mm	6976367673833
2107-51000C	0-1000 mm	0.05mm	150 mm	±0.09mm	6976367673840

Vernier Depth Gauge With Double Hook

Description

- Made of stainless steel, hardened
- Scale and nonius satin chrome finished
- Measuring face with double hook, can measure the width of groove and position of groove
- Delivered with inspection report
- Packed in plastic box



Art.No.	Range	Reading	Length Of Base	Indication Error	Barcode
2107-5150D	0-150 mm	0.05mm	100 mm	±0.05mm	6976367673857
2107-5200D	0-200 mm	0.05mm	100 mm	±0.05mm	6976367673864
2107-5300D	0-300 mm	0.05mm	150 mm	±0.06mm	6976367673871
2107-5500D	0-500 mm	0.05mm	150 mm	±0.07mm	6976367673888
2107-51000D	0-1000 mm	0.05mm	150 mm	±0.09mm	6976367673895

IP67 Digital Depth Gauge

Description

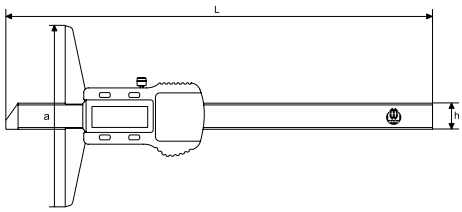
- Ergonomical design
- Large display, Digit height up to 11.5mm
- ABS Absolute system，Max.displacement speed 2.5m/s
- Protection IP67,Without data output
- Auto power off when it is left alone more than 10mins, move the vernier to energize it
- With a conversion table,a 3V battery CR2032
- Made of stainless steel, hardened, Stop screw for the vernier
- Delivered with an inspection report
- ON/OFF,Reset at any position,mm/inch,Preset
- Prime plastic box



Art.No.	Range	Reading	Length Of Base	Indication Error	Barcode
2245-150	0-150 mm	0.01mm	100 mm	0.02mm	6974804579700
2245-200	0-200 mm	0.01mm	100 mm	0.02mm	6976367670467
2245-300	0-300 mm	0.01mm	150 mm	0.02mm	6976367670481
2245-301	0-300 mm	0.01mm	100 mm	0.02mm	6976367670474

IP67 Digital Depth Gauge





Description

- Top quality,Accuracy according to DIN862
- IP67 protection, water and dust resistant
- Stainless steel, hardened
- Finely ground and lapped depth base
- New designed precision and high qualityconstruction
- With INC,MODE,HOLD and POWER/0 fourbuttons
- In plastic box, with 3V CR2032 battery
- Deliver with inspection report

Overall Dimension(mm)

Range	L	a	h
0-150mm/100mm	232.5	100	11
0-200mm/100mm	285	100	11
0-300mm/150mm	390	150	13.5

Art No.	Range	Reading	Length Of Base	Accuracy Error	Barcode
211-7930	150mm/6"	0.01mm/0.0005"	100mm	0.03mm	6971570717930
211-7947	200mm/8"	0.01mm/0.0005"	100mm	0.03mm	6971570717947
211-7954	300mm/12"	0.01mm/0.0005"	150mm	0.04mm	6971570717954

Digital Depth Gauge

Description

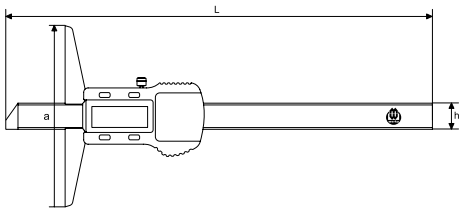
- Made of stainless steel
- Large LCD display, easy reading
- OFF/ON, ZERO, mm/inch
- Stop screw for the vernier
- With a conversion table, a 3V battery CR2032
- Delivered with an inspection report
- Prime plastic box



Art.No.	Range	Reading	Length Of Base	Indication Error	Barcode
2247-150	0-150 mm	0.01mm	100 mm	0.02mm	6976367670429
2247-200	0-200 mm	0.01mm	100 mm	0.02mm	6976367670436
2247-300	0-300 mm	0.01mm	150 mm	0.03mm	6976367670443
2247-500	0-500 mm	0.01mm	150 mm	0.03mm	6976367670450

Absolute Digital Depth Gauge





Description

- Top quality,Accuracy according to DIN862
- Absolute system with 3V
- IP54 protection, water and dust resistant
- Scale with glass rail for precision sampling
- No moving speed limit,Stainless steel, hardened
- Fine ground and lapped depth base
- With ORIGIN,MODE,INC and POWER four buttons
- Deliver in plastic box with inspection report
- Data output with mini USB interface

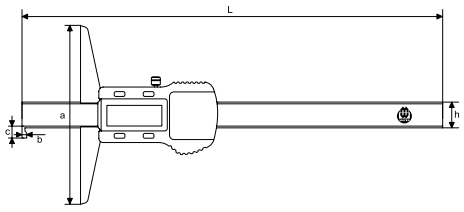
Overall Dimension(mm)

Range	L	a	h
0-150mm/100mm	232.5	100	11
0-200mm/100mm	285	100	11
0-300mm/150mm	390	150	13.5

Art No.	Range	Reading	Length Of Base	Accuracy Error	Barcode
2222-150	150mm/6"	0.01mm/0.0005"	100mm	±0.03mm	6971570717961
2222-200	200mm/8"	0.01mm/0.0005"	100mm	±0.03mm	6971570717978
2222-300	300mm/12"	0.01mm/0.0005"	150mm	±0.03mm	6971570717985

Absolute Digital Depth Gauge With Single Hook





Description

- Top quality,Accuracy according to DIN862
- With hook,Absolute system with 3V
- IP54 protection, water and dust resistant
- Scale with glass rail for precision sampling
- No moving speed limit,Stainless steel,hardened
- Finely ground and lapped depth base
- With ORIGIN,MODE,INC and POWER four buttons
- Deliver in plastic box with inspection report
- Data output with mini USB interface

Overall Dimension(mm)

Range	L	a	b	c	h
0-150mm/100mm	232.5	100	2	5	11
0-200mm/100mm	285	100	2	5	11
0-300mm/150mm	390	150	2	5	13.5

Art No.	Range	Reading	Accuracy error	Length of base	Barcode
2223-150	150mm/6"	0.01mm/0.0005"	0.03mm	100mm	6971570717992
2223-200	200mm/8"	0.01mm/0.0005"	0.03mm	100mm	6971570718005
2223-300	300mm/12"	0.01mm/0.0005"	0.04mm	150mm	6971570718012

Digital Depth Gauge With Hook

Description

- Made of stainless steel
- Measuring face with hook, used for thickness measurement
- Large LCD display, easy reading
- OFF/ON, ZERO, mm/inch
- Stop screw for the vernier
- With a conversion table, a 3V battery CR2032
- Delivered with an inspection report
- Prime plastic box



Art.No.	Range	Reading	Length Of Base	Indication Error	Barcode
2248-150	0-150 mm	0.01mm	100 mm	0.02mm	6976367670528
2248-200	0-200 mm	0.01mm	100 mm	0.02mm	6976367670535
2248-300	0-300 mm	0.01mm	150 mm	0.03mm	6976367670542
2248-500	0-500 mm	0.01mm	150 mm	0.03mm	6976367670559

Digital Depth Gauge With Double Hook

Description

- Made of stainless steel
- Measuring face with double hook, used for thickness measurement
- Large LCD display, easy reading
- OFF/ON, ZERO, mm/inch
- Stop screw for the vernier
- With a conversion table, a 3V battery CR2032
- Delivered with an inspection report
- Prime plastic box



Art.No.	Range	Reading	Length Of Base	Indication Error	Barcode
2248-150A	0-150 mm	0.01mm	100 mm	0.02mm	6976367671877
2248-200A	0-200 mm	0.01mm	100 mm	0.02mm	6976367673901
2248-300A	0-300 mm	0.01mm	150 mm	0.03mm	6976367673918
2248-500A	0-500 mm	0.01mm	150 mm	0.03mm	6976367673925

Digital Depth Gauge With Pin

Description

- Made of stainless steel
- Measuring face with pin, used for small hole depth measurement
- Large LCD display, easy reading
- OFF/ON, ZERO, mm/inch
- Stop screw for the vernier
- With a conversion table, a 3V battery CR2032
- Delivered with an inspection report
- Prime plastic box

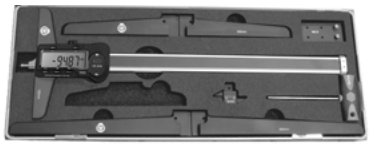


Art.No.	Range	Reading	Length Of Base	Indication Error	Barcode
2248-80C	0-80 mm	0.01mm	100 mm	0.02mm	6976367673932
2248-150C	0-150 mm	0.01mm	100 mm	0.02mm	6976367673949
2248-200C	0-200 mm	0.01mm	100 mm	0.02mm	6976367673956
2248-300C	0-300 mm	0.01mm	150 mm	0.03mm	6976367673963

Light Digital Depth Gauge

Description

- Made in and originated from Germany
- LCD display
- Made of light metal,anodized surface
- With 3 interchangeable bridges
- Ball tip,With stop screws,1.5V battery(LR44)
- Delivered with a manual,Plastic box
- Delivered with an inspection report
- ON/OFF,Reset,mm/inch



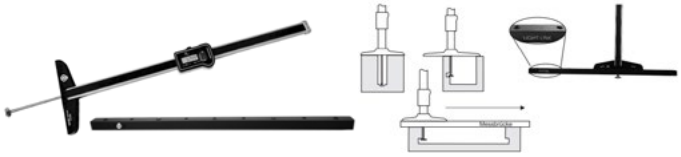


Art.No.	Range	Scale	Indication error	Bridge	Barcode
2113-300	0-300 mm	0.01 mm	0.04 mm	150/300/450 mm	6974804572763
2113-500	0-500 mm	0.01 mm	0.05 mm	150/300/450 mm	6974804572770
2113-800	0-800 mm	0.01 mm	0.06 mm	150/300/450 mm	6974804572787

Light Digital Depth Gauge

Description

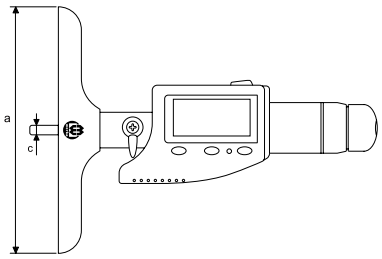
- Made in and originated from Germany
- Made of light metal,anodized surface
- With extended bridge and base
- Disk contact tip,With stop screws
- LCD display,1.5V battery(LR44)
- Delivered with a manual,Plastic box
- Delivered with an inspection report
- ON/OFF,Reset,mm/inch



Art.No	Range	Scale	Indication error	Bridge/extended base	Barcode
2113-100D	0-100 mm	0.01 mm	0.03 mm	150/350 mm	6974804572794
2113-200D	0-200 mm	0.01 mm	0.03 mm	150/350 mm	6974804572800
2113-300D	0-300 mm	0.01 mm	0.04 mm	150/350 mm	6974804572817
2113-500D	0-500 mm	0.01 mm	0.05 mm	150/350 mm	6974804572824
2113-800D	0-800 mm	0.01 mm	0.06 mm	150/350 mm	6974804572831
2113-950D	0-950 mm	0.01 mm	0.06 mm	150/350 mm	6974804572848

Digital Depth Gauge





Description

- A green LED light turn on when thereading is within preset tolerance limits
- IP54 protection, water and dust resistant
- Inserts simply exchangeable
- With ratchet friction thimble
- With functions of mm/inch, zero setting at any position, power on/off and Tolerance setting
- Data output with mini USB interface
- In plastic box, with 3V CR2032 battery
- Deliver with inspection report

Overall Dimension(mm)

Range	a	c
0-150mm/102mm	102	4.5

Art No.	Range	Reading	Accuracy error	Barcode
217-6254	0-150mm/0-6"	0.001mm/0.00005"	0.003mm	6971570716254

Digital Depth Micrometer

Description

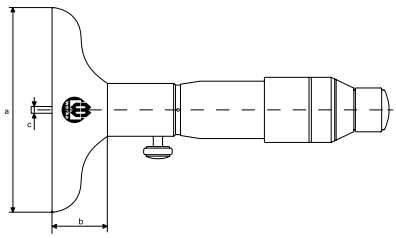
- IP65 protection, water and dust resistant
- With high-precision replaceable measuring rods
- Flat measurment surface
- ABS absolute/relative measurement function
- mm/inch convertion
- Set zero at any position
- With standard data interface
- Measuring base 101.5mm
- 3V Battery CR2032
- Delivery with inspection report
- Packed in plastic box



Art.No.	Range	Reading	Indication Error	Standard	Barcode
3208-150	0-150 mm	0.001mm	0.003mm	DIN 40050/IEC529	6976367670566
3208-200	0-200 mm	0.001mm	0.003mm	DIN 40050/IEC529	6976367672614
3208-300	0-300 mm	0.001mm	0.003mm	DIN 40050/IEC529	6976367670573

Depth Micrometers





Description

- Base 63x16 mm,Scale chrome finished
- Measuring inserts φ4.5mm with spherical measuring face
- Inserts simply exchangeable
- With ratchet friction thimble
- Deliver with inspection report

Overall Dimension(mm)

Range	a	b	c
0-150mm/63mm	63	17	4.5
0-200mm/63mm	63	17	4.5
0-300mm/63mm	63	17	4.5
0-6"/63mm	63	17	4.5
0-8"/63mm	63	17	4.5
0-12"/63mm	63	17	4.5

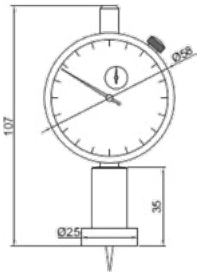
Art No.	Range	Reading	Accuracy error	Barcode
217-6193	0-150mm	0.01mm	0.005mm	6971570716193
217-6209	0-200mm	0.01mm	0.006mm	6971570716209
217-6216	0-300mm	0.01mm	0.007mm	6971570716216
217-6223	0-6"	0.001"	0.00020"	6971570716223
217-6230	0-8"	0.001"	0.00024"	6971570716230
217-6247	0-12"	0.001"	0.00028"	6971570716247

Depth Gauge

Description

- Steel base
- The base diameter 25mm, which meets the 8h6 for equipment
- M2.5x0.45 With pin contact point, connecting thread M2.5x0.45
- Packed in plastic box

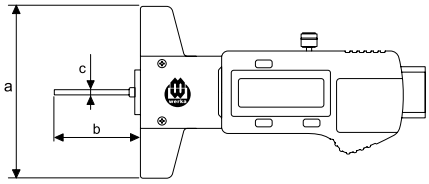




Art.No.	Range	Reading	Demension of base	Barcode
3107-010B	0-10 mm	0.01 mm	φ25x35 mm	6976367673147

Digital Tread Depth Gauge





Description

- A ideal tool for depth of tyre treads, narrow groove and hole with small dia. measurement
- With needle point
- Stainless steel, hardened
- With mm/inch, ON/OFF and ZERO 3 buttons
- Packed in cardbox

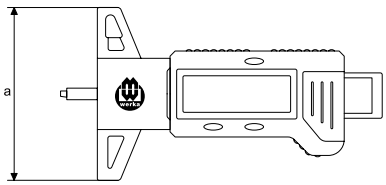
Overall Dimension(mm)

Range	a	b	c
0-30mm	60	26	1.5

Art No.	Range	Reading	Length of base	Depth pin ¢	Accuracy error	Barcode
211-8715	30mm/1.2"	0.01mm/0.0005"	60mm	1.5mm	0.02mm	6971570718715

Digital Tread Depth Gauge





Description

- Made of high strength and wear-resistant engineering plastic
- Large LCD display with clear reading
- With mm/inch, OFF/ON and ZERO three buttons
- Packed in cardbox with 1.5V battery

Overall Dimension(mm)

Range	a
0-25mm	60

Art No.	Range	Reading	Length of base	Barcode
211-8937	25mm/1"	0.01mm/0.0005"	60mm	6971570718937



HEIGHT MEASUREMENT

PRECISION DIGITAL HEIGHT GAUGE

•

VERNIER HEIGHT GAUGE

•

DIAL HEIGHT GAUGE

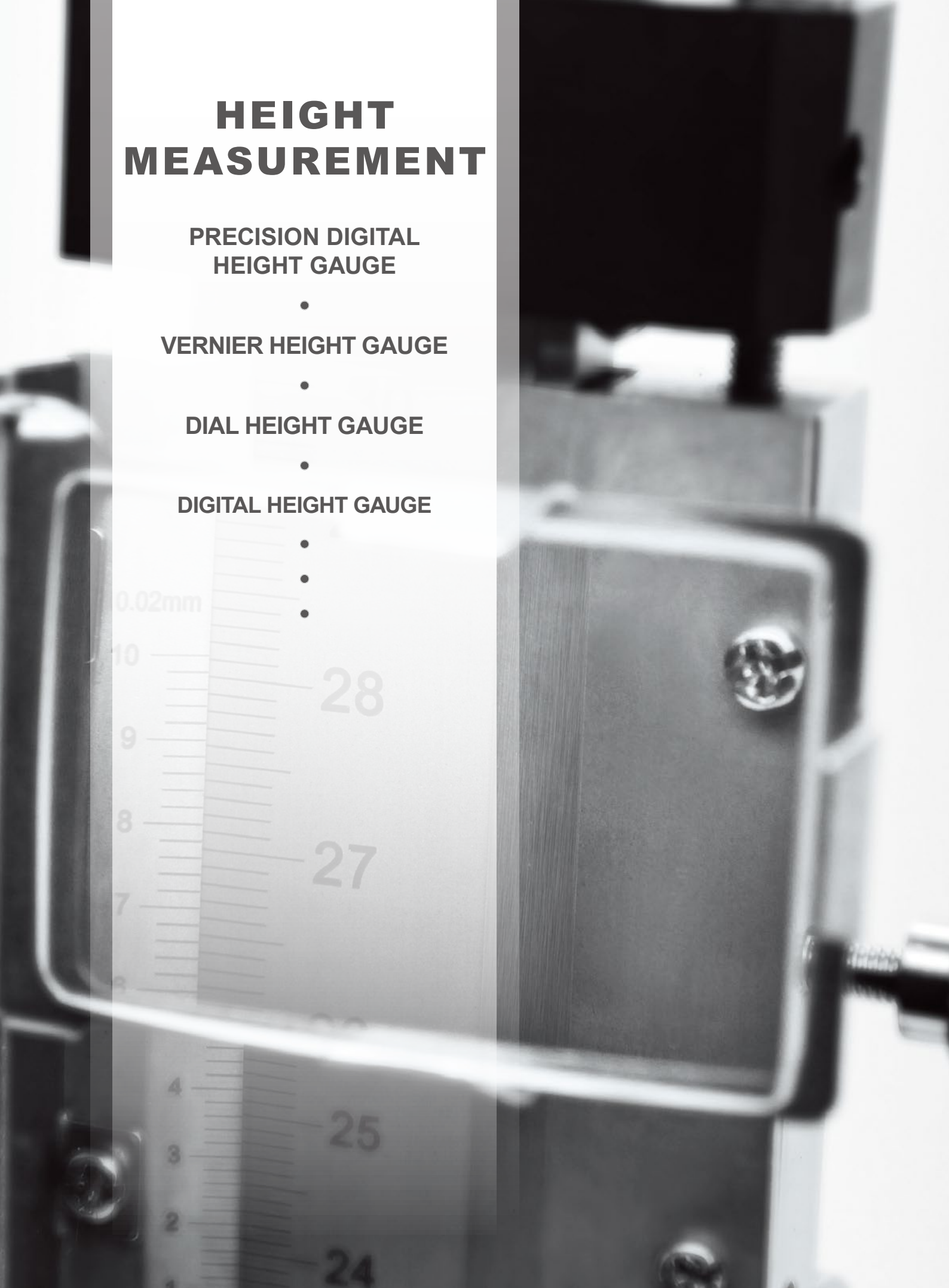
•

DIGITAL HEIGHT GAUGE

•

•

•



Height Gauge Probe Z3/Probe Z6

Description

Werka provides two ranges of 300mm(Probe Z3) and 600mm(Probe Z6). Measuring range can be extended to 570mm and 870mm with the second holder.

- Electronic control panel fully protected, dust and water proof
- Built-in air bearing
- WINCE operating system
- Glass grating measuring system
- Large color display
- Intuitive graphical display of survey items
- Temperature compensation function
- Independent mining point control
- USB data output interface



Specification

Product Name	Height Gauge Probe Z3/Z6	
Art No.	2228-300	2228-600
Mode No.	Probe Z3	Probe Z6
Measuring range	300mm	600mm
Measuring range with second holder	570mm	870mm
Probe holder	Φ8	
Resolution	0.01/0.001/0.0001(mm)	
Measurement accuracy	±(2.6+5L)μm,with standard insert (L=m)	
Repeatability	surface ≤1μm,bore≤3μm	
Color screen	VGA,6.4"	
Max motorized movement speed	75mm/s	
Driving system	Motorized	
Measuring force(N)	1.5±0.5	
Working temperature(℃)	10℃~30℃	
Storage temperature(℃)	-10℃~60℃	
IP protection	IP40	
Unit display	mm/inch	
Total height	709mm	1009mm
Net weight	20KG	22KG

Software Main View

N°	Description
1	Steps description Active mode pictures Active mode icons
2	Actions history list
3	Panel options status: Active unit Active reference Tolerance management enble/disabled Probing force information(green,yellow,red) Thermal expansion funcion status
4	Current probe position Measurement status(if tolerance mode enabled)
5	Software main details: Name and version Hour Date Battery status

Optional Accessories

Product Name	Size	Art No.
Mesuring probe	70×2mm(ball)	WP-2228-02
Mesuring probe	100×2mm(ball)	WP-2228-03
Mesuring probe	100×3mm(ball)	WP-2228-04
Mesuring probe	110×4mm(ball)	WP-2228-05
Mesuring probe	80×10mm(ball)	WP-2228-06
Vertical adapter	8mm&4mm	WP-2228-20
Parallel adapter	8mm&4mm	WP-2228-21

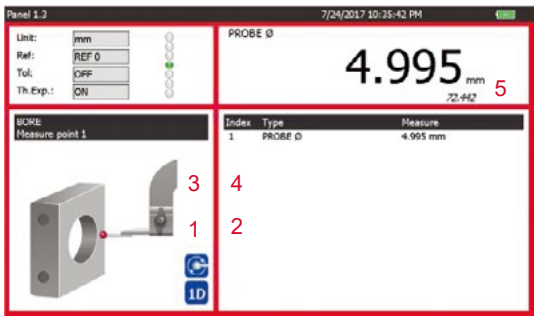
Standard Delivery

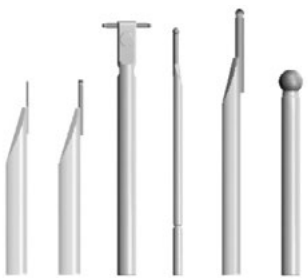
Product Name	
Instrument main unit	Battery charger
Control panel	Wrench
Standard contact probe 5mm	M6 Set screw x2 pcs
Calibration block	Operation manual, Product certification, warranty card,Packin list
Rechargeable battery	

Panel



N°	Description
1	Measuring features+numeric keyboard
2	Manul functions
3	Selection and confirmation





Precision Digital Height Gauge

Description

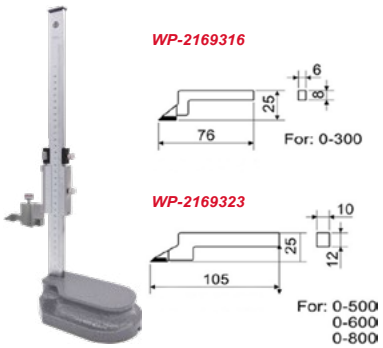
- High precision and stability
- Working table made of ceramic
- 7 bits high brightness LED display
- Zero setting at any position
- MAX,MIN,MAX-MIN measurement
- mm/inch easy to convert
- USB data output
- Packed in carton

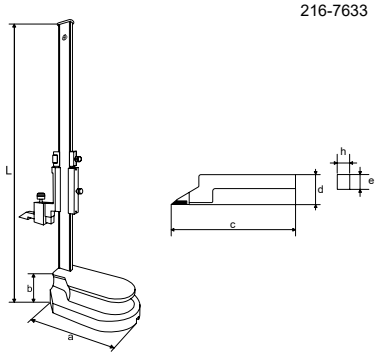
Art No.	2231-50ST
Barcode	6972727952754
Measuring Range	0-50mm
Resolution	0.001mm
Accuracy	0.003mm
Measuring force	1.0~1.5N
Dimesion of ceramic table	130x130mm
Response speed	Max 5000mm/s
Measuring tips	Conical tip,Flat tip,Ball tip
Working environment	Temperature 0~40℃ ,Humidity 20~80%
Power adaptor	AC 100~240V 50~60Hz,DC5V/1A
Size	200x138x397mm
Net weight	11.6KG



Analog keyboard entry Measurement data can be directly input into excel, word.
Optional parts: WP-2231-01 USB data output cable and foot switch.

Vernier Height Gauge





216-7633 216-7640

Description

- Accuracy according to DIN862
- Made of stainless steel,With fine adjustment
- Carbide-tipped scriber
- Scale and nonius satin chrome finished
- Sturdy cast iron base,lacquered and lapped bottom working face
- Packed in plastic case with inspection report

Overall Dimension(mm)

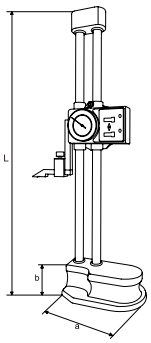
Range	c	d	e	h
0-300mm	76	25	8	6
0-600mm	105	25	12	10
0-1000mm	110	39	15	10

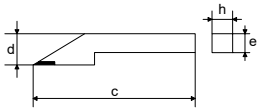
Art No.	Range	Reading	Accuracy error	Barcode
216-7633	0-300mm	0.05mm	0.06mm	6971570717633
216-7640	0-600mm	0.05mm	0.10mm	6971570717640
216-7162	0-1000mm	0.05mm	0.10mm	6972727957162

Dial Vernier Height Gauge

216-7695 216-7718
216-7725 216-7749







Description

- With two columns,Made of stainless steel
- Carbide-tipped scriber,Dial reading 0.01mm
- Double counters, one indicate in plus direction and one in minus direction
- Sturdy cast iron base,lacquered and lapped bottom working face
- Packed in cardbox with inspection report

Overall Dimension(mm)

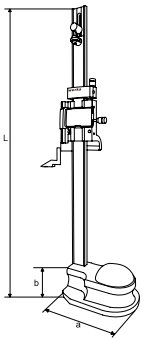
Range	L	a	b	c	d	e	h
0-300mm	475	135	43	80	15	9	9
0-600mm	870	180	54	80	15	9	9
0-12"	475	135	43	80	15	9	9
0-24"	870	180	54	80	15	9	9

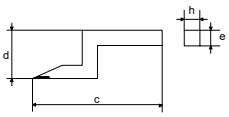
Art No.	Range	Reading	Accuracy error	Barcode
216-7695	0-300mm	0.01mm	0.04mm	6971570717695
216-7718	0-600mm	0.01mm	0.05mm	6971570717718
216-7725	0-12"	0.001"	0.04mm	6971570717725
216-7749	0-24"	0.001"	0.05mm	6971570717749

Vernier Height Gauge With Adjustable Guide Bar

216-7657 216-7664
216-7671 216-7688







Description

- Accuracy according to DIN862
- Made of stainless steel,With fine adjustment
- Adjustable scale bar,Carbide-tipped scriber
- With magnifier for easy reading
- Scale and nonius satin chrome finished
- Sturdy cast iron base,lacquered and lapped bottom working face
- Packed in cardbox with inspection report

Overall Dimension(mm)

Range	L	a	b	c	d	e	h
0-300mm	545	135	43	80	30	9	9
0-600mm	870	180	54	80	40	9	9
0-300mm/0-12"	545	135	43	80	30	9	9
0-600mm/0-24"	870	180	54	80	40	9	9

Art No.	Range	Reading	Accuracy error	Barcode
216-7657	0-300mm	0.02mm	0.04mm	6971570717657
216-7664	0-600mm	0.02mm	0.05mm	6971570717664
216-7671	0-300mm/12"	0.02mm/1/1000"	0.04mm	6971570717671
216-7688	0-600mm/24"	0.02mm/1/1000"	0.05mm	6971570717688

Mini Vernier Height Gauge



Description

- Made of stainless steel
- Satin chromed plated scale
- With carbide scriber
- With fine adjustment

Art.No.	Range	Reading	Indication Error	Barcode
2108-2150-MN	0-150 mm	0.02mm	±0.03mm	6976367673000
2108-2200-MN	0-200 mm	0.02mm	±0.03mm	6976367673017

Mini Digital Height Gauge



Description

- Made of stainless steel
- ON/OFF, ZERO, mm/inch
- Auto powered off
- With carbide scriber
- With fine adjustment

Art.No.	Range	Reading	Indication Error	Barcode
2226-150-MN	0-150 mm	0.01mm	±0.03mm	6976367673024
2226-200-MN	0-200 mm	0.01mm	±0.03mm	6976367673031

Digital Height Gauge

2227-300C 2227-600C 2227-1000C

Description

- Made of stainless steel
- Gear driving, position precisely
- With handwheel for fine adjustment
- With carbide-tipped scriber
- OFF/ON, mm/inch, RESET, ZERO/ABS, P+, P-
- Battery 1.5V LR44
- Carton packaging

Overall dimension(mm)

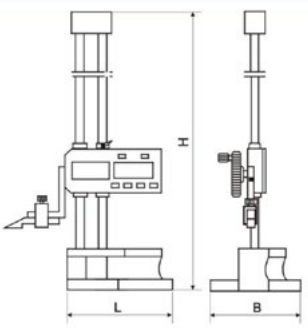
	L	B	H
0-300 mm	135	90	475
0-600 mm	180	120	800
0-1000 mm	265	160	1210



2227-600C



2227-1000C



Art.No.	Range	Reading	Indication Error	Barcode
2227-300C	0-300 mm	0.01mm	±0.04mm	6976367673048
2227-600C	0-600 mm	0.01mm	±0.05mm	6976367673055
2227-1000C	0-1000 mm	0.01mm	±0.07mm	6976367673062

Digital Height Gauge



Description

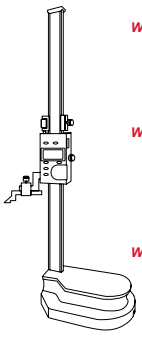
- Made in Germany,Enterprise standard
- Made of stainless steel,With fine adjustment on gear rack
- Carbide tipped scriber,Steel base with dirt grooves
- 3V CR2032 Lithium battery
- Two buttons:(ON/OFF,0,HOLD),(REF,mm/inch)
- Packed in carton box,Deliver with certificate
- Optional: Data output proximity USB

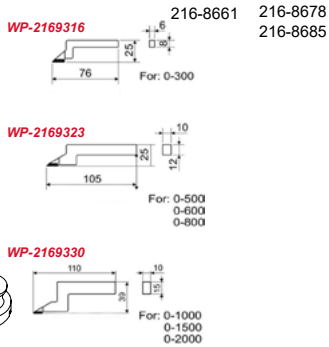
Art No.	Range	Reading	Accuracy Error	Barcode
2234-600	0-600mm	0.01mm	0.05mm	6972727957742

Digital Height Gauge



216-8661 216-8678 216-8685





Description

- Made of stainless steel,With fine adjustment
- Carbide-tipped scriber,Powered by 3V battery
- With TOL,ON/OFF/PRE, HOLD,ZERO/ABS/,mm/in,DIR buttons
- Sturdy cast iron base,lacquered and lappedbottom working face
- Packed in plastic case with inspection report

Overall Dimension(mm)

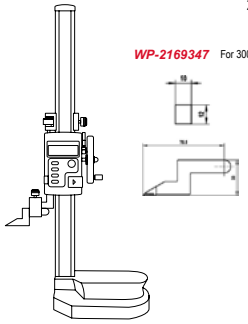
Range	H	h	a	b	c
0-300	475	43	135	80	15
0-600	870	54	180	80	15

Art No.	Range	Reading	Accuracy Error	Barcode
216-8661	300mm/12"	0.01mm/0.0005"	0.04mm	6971570718661
216-8678	600mm/24"	0.01mm/0.0005"	0.05mm	6971570718678
216-8685	1000mm/40"	0.01mm/0.0005"	0.07mm	6971570718685

Digital Height Gauge With Wheel

216-8692 216-8708





Description

- With driving wheel,Metal rack for long life
- Robustly constructed, stainless steel column,Metal casing
- With fine adjustment,Carbide-tipped scriber
- With on/off, mm/inch, zero and preset buttons
- Powered by battery 1.5V SR44
- Packed in cardbox with inspection report

Overall Dimension(mm)

	H	h	a	b	c
0-300	475	43	135	80	15
0-600	870	54	180	80	15

Art No.	Range	Reading	Accuracy Error	Barcode
216-8692	300mm/12"	0.01mm/0.0005"	0.04mm	6971570718692
216-8708	600mm/24"	0.01mm/0.0005"	0.05mm	6971570718708

MICROMETRS

OUTSIDE MICROMETRS

•

DIGITAL MICROMETRS

•

INTERNAL MICROMETERS

•

THREE POINT INTERNAL MICROMETERS

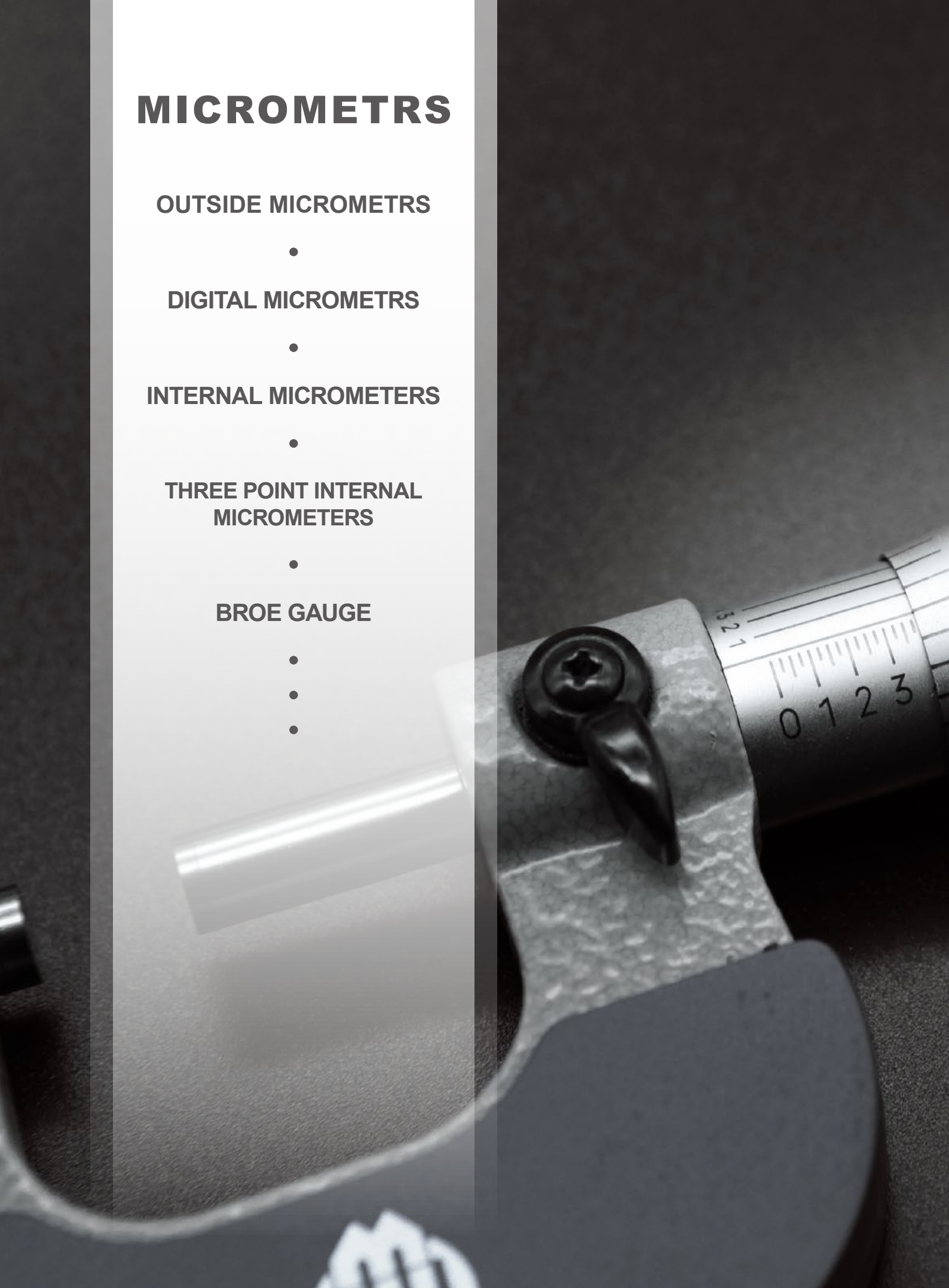
•

BROE GAUGE

•

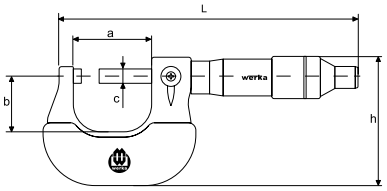
•

•



Outside Micrometers





Description

- Accuracy according to DIN863
- With ratchet friction thimble, Carbide measuring face
- Frame painted, scale chrome finished
- From size 25-50mm including setting gauge
- With adjusting key
- Deliver in cardbox with inspection certificate

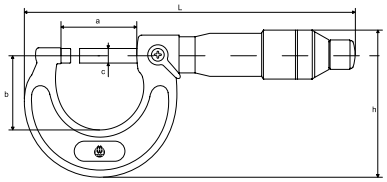
Overall Dimension(mm)

Range	L	a	b	c	h
0-25mm/0-1"	127.8	31	23.5	6.5	56.2
25-50mm/1-2"	160.1	56.5	31	6.5	72.9
50-75mm/2-3"	186.6	81.5	44	6.5	88.2
75-100mm/3-4"	214.6	107.1	56	6.5	104.2
100-125mm/4-5"	243.3	132.5	66	6.5	122.2
125-150mm/5-6"	271.1	157.5	80	6.5	139.7

Art No.	Range	Reading	Accuracy Error	Barcode
217-5400	0-25mm	0.01mm	0.004mm	6971570715400
217-5417	25-50mm	0.01mm	0.004mm	6971570715417
217-5424	50-75mm	0.01mm	0.005mm	6971570715424
217-5431	75-100mm	0.01mm	0.005mm	6971570715431
217-5448	100-125mm	0.01mm	0.006mm	6971570715448
217-5455	125-150mm	0.01mm	0.006mm	6971570715455
217-5462	0-1"	0.0001" inch	0.00015" inch	6971570715462
217-5479	1-2"	0.0001" inch	0.00015" inch	6971570715479
217-5486	2-3"	0.0001" inch	0.0002" inch	6971570715486
217-5493	3-4"	0.0001" inch	0.0002" inch	6971570715493
217-5509	4-5"	0.0001" inch	0.00025" inch	6971570715509
217-5516	5-6"	0.0001" inch	0.00025" inch	6971570715516

Outside Micrometers





Description

- Accuracy according to DIN863
- With ratchet friction thimble
- Carbide measuring face
- Frame painted, scale chrome finished
- From size 25-50mm including setting gauge
- With adjusting key
- Deliver in cardbox with inspection certificate

Overall Dimension(mm)

Range	L	a	b	c	h
0-25mm/0-1"	133.8	31	29.5	6.5	58.5
25-50mm/1-2"	160	56	38	6.5	76
50-75mm/2-3"	185.5	81	51	6.5	91
75-100mm/3-4"	210.5	106	63.5	6.5	105
100-125mm/4-5"	237.3	131	76	6.5	125
125-150mm/5-6"	263.8	156	89	6.5	142
150-175mm	290	180	115	6.5	160
175-200mm	313	206	125	6.5	173
200-225mm	340	232	140	6.5	190
225-250mm	366	258	145	6.5	198
250-275mm	392	281	160	6.5	220
275-300mm	416	308	167	6.5	230

Art No.	Range	Reading	Accuracy Error	Barcode
217-5523	0-25mm	0.01mm	0.004mm	6971570715523
217-5530	25-50mm	0.01mm	0.004mm	6971570715530
217-5547	50-75mm	0.01mm	0.005mm	6971570715547
217-5554	75-100mm	0.01mm	0.005mm	6971570715554
217-5561	100-125mm	0.01mm	0.006mm	6971570715561
217-5578	125-150mm	0.01mm	0.006mm	6971570715578
217-9583	150-175mm	0.01mm	0.007mm	6971570719583
217-9590	175-200mm	0.01mm	0.007mm	6971570719590
217-9606	200-225mm	0.01mm	0.008mm	6971570719606
217-9613	225-250mm	0.01mm	0.008mm	6971570719613
217-9620	250-275mm	0.01mm	0.009mm	6971570719620
217-9637	275-300mm	0.01mm	0.009mm	6971570719637
217-5585	0-1"	0.0001" inch	0.00015" inch	6971570715585
217-5592	1-2"	0.0001" inch	0.00015" inch	6971570715592
217-5608	2-3"	0.0001" inch	0.0002" inch	6971570715608
217-5615	3-4"	0.0001" inch	0.0002" inch	6971570715615
217-5622	4-5"	0.0001" inch	0.00025" inch	6971570715622
217-5639	5-6"	0.0001" inch	0.00025" inch	6971570715639

Outside Micerometer Set With Arch-Shaped Frame

Description

- Arch-shaped light frame,Painted frame
- Ratchet friction thimble device
- Delivered with setting gauge and spanner, Delivered with an inspection report
- (3101-T3) 3pcs in 1 set, plastic box,(3101-T4) 4pcs in 1 set, plastic box
- (217-9576) 6pcs in 1 set, aluminum box
- (217-3081) 6pcs in 1 set,Aluminum box



Art No.	Range	Reading	Content	Standard	Barcode
3101-T3	0-75 mm	0.01mm	0-25mm\25-50mm\50-75mm	DIN 863	6974804574293
3101-T4	0-100 mm	0.01mm	0-25mm\25-50mm\ 50-75mm\75-100mm	DIN 863	6974804574309
217-9576	0-150mm	0.01mm	0-25mm,25-50mm,50-75mm,75-100mm 100-125mm,125-150mm	DIN 863	6971570719576
217-3081	150-300 mm	0.01mm	150-175mm\175-200mm\200-225mm\ 225-250mm\250-275mm\275-300mm	DIN 863	6974804573081

Outside Micerometer Set With U-Shaped Frame

Description

- U-shaped frame with plate,Painted frame
- Ratchet friction thimble device
- Delivered with setting gauge and spanner
- Delivered with an inspection report
- (3100-T3) 3pcs in 1 set, plastic box
- (3100-T4) 4pcs in 1 set,plastic box
- (3100-T6) 6pcs in 1 set,Aluminum box



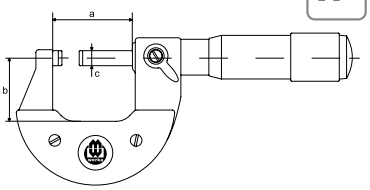
Art No.	Range	Reading	Content	Standard	Barcode
3100-T3	0-75 mm	0.01mm	0-25mm\25-50mm\50-75mm	DIN 863	6974804573340
3100-T4	0-100 mm	0.01mm	0-25mm\25-50mm\50-75mm\75-100mm	DIN 863	6974804573357
3100-T6	0-150 mm	0.01mm	0-25mm\25-50mm\50-75mm\75-100mm\100-125mm\125-150mm	DIN 863	6972727953591

Outside Micrometers



Description

- Accuracy according to DIN863,With adjusting key
- With ratchet friction thimble,Carbide measuring face
- Frame painted, scale chromed finished
- From size 25-50mm including setting gauge
- Delivery in cardbox with inspection certificate



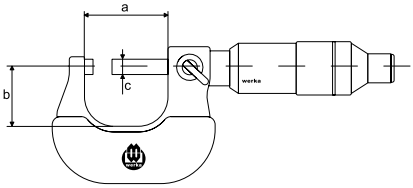
Overall Dimension(mm)

Range	a	b	c
0-25mm	32.5	25.5	6.5
25-50mm	57.5	30.5	6.5
50-75mm	83	45	6.5
75-100mm	108	58	6.5
100-125mm	133	67.5	6.5
125-150mm	158	82	6.5
150-175mm	183	93	6.5
175-200mm	208	108	6.5

Art No.	Range	Reading	Barcode
3119-25	0-25mm	0.01mm	6972727958176
3119-50	25-50mm	0.01mm	6972727958183
3119-75	50-75mm	0.01mm	6972727958190
3119-100	75-100mm	0.01mm	6972727958206
3119-125	100-125mm	0.01mm	6972727958213
3119-150	125-150mm	0.01mm	6972727958220
3119-175	150-175mm	0.01mm	6972727958237
3119-200	175-200mm	0.01mm	6972727958244

Outside Micrometers





Description

- 0.001mm/0.0001" reading, parallax-free by enlarged thimble
- With ratchet friction thimble
- Carbide measuring face,With adjusting key
- Frame painted, scale chrome finished
- From size 25-50mm including setting gauge
- Deliver in cardbox with inspection certificate

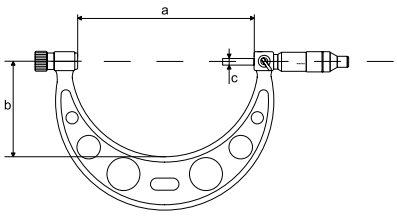
Overall Dimension(mm)

Range	a	b	c
0-25mm/0-1"	32	24	6.5
25-50mm/1-2"	57	32	6.5
50-75mm/2-3"	82	45	6.5
75-100mm/3-4"	107	57	6.5

Art No.	Range	Reading	Accuracy Error	Barcode
217-5646	0-25mm	0.001mm	0.004mm	6971570715646
217-5653	25-50mm	0.001mm	0.004mm	6971570715653
217-5660	50-75mm	0.001mm	0.005mm	6971570715660
217-5677	75-100mm	0.001mm	0.005mm	6971570715677
217-5684	0-1"	0.0001" inch	0.00015" inch	6971570715684
217-5691	1-2"	0.0001" inch	0.00015" inch	6971570715691
217-5707	2-3"	0.0001" inch	0.00020" inch	6971570715707
217-5714	3-4"	0.0001" inch	0.00020" inch	6971570715714

Micrometer With Interchangeable Anvils





Descrption and Function

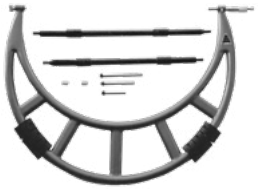
- Painted framed, with ratchet friction thimble and thimble chrome finished
- With exchangeble anvils, With carbide measuring faces
- Spindle φ8.0mm, With setting gauges
- Accuracy manufacturer standard
- Deliver in wooden box with inspection report

Overall Dimension(mm)

Range	a	b	c
0-150mm/0-6"	158	82	6.5
150-300mm/6-12"	308	165	6.5

Art No.	Range	Reading	Anvils	Setting gauge	Barcode
217-5721	0-150mm	0.01mm	6	5	6971570715721
217-5738	150-300mm	0.01mm	6	5	6971570715738
217-5745	0-6"	0.0001"	6	5	6971570715745
217-5752	6-12"	0.0001"	6	5	6971570715752

Outside Micrometer With Interchangeable Anvils



Description

- With ratchet friction thimble
- Carbide measuring face
- Interchangeable anvils for different measuring range
- Deliver in wooden case with inspection certificate

Art No.	Range	Reading	Barcode
3111-400	300-400mm	0.01mm	6972727952242
3111-500	400-500mm	0.01mm	6972727952259
3111-600	500-600mm	0.01mm	6972727952266
3111-700	600-700mm	0.01mm	6972727952273
3111-800	700-800mm	0.01mm	6972727952280
3111-900	800-900mm	0.01mm	6972727952297
3111-1000	900-1000mm	0.01mm	6972727952303

Outside Micrometer With Adjustable Anvils



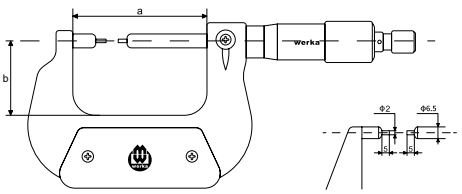
Description

- Larger OD measurement range available
- Various anvils for different measuring ranges
- Alloy measuring faces
- Ratchet friction thimble,Insulation plate
- Light tube frame
- Delivered with standard setting rods
- Delivered with a manual,Wooden box

Art No.	Range	Reading	Indication Error	Standard	Barcode
3121-400	300-400 mm	0.01mm	0.011mm	Enterprise	6974804574507
3121-500	400-500 mm	0.01mm	0.013mm	Enterprise	6974804574514
3121-600	500-600 mm	0.01mm	0.015mm	Enterprise	6974804574521
3121-700	600-700 mm	0.01mm	0.016mm	Enterprise	6974804574538
3121-800	700-800 mm	0.01mm	0.018mm	Enterprise	6974804574545
3121-900	800-900 mm	0.01mm	0.020mm	Enterprise	6974804574552
3121-1000	900-1000 mm	0.01mm	0.020mm	Enterprise	6974804574569

Small Tip Micrometer





Description

- Suitable for the measurement of spline and small groves etc.
- measuring rod diameter 2mm
- Painted frame,Insulation plate,With a spanner
- Metal locking mechanism
- Delivered with a manual
- Plastic box

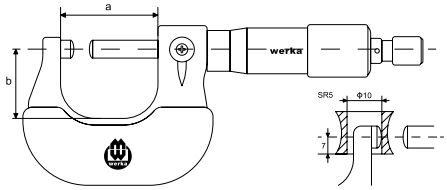
Overall Dimension(mm)

Range	a	b
0-25mm	57	32
25-50mm	82	44.5
50-75mm	107	57
75-100mm	132.6	69.5

Art No.	Range	Reading	Indication Error	Standard	Barcode
3122-025A	0-25 mm	0.01mm	0.004mm	Enterprise	6974804574316
3122-050A	25-50 mm	0.01mm	0.004mm	Enterprise	6974804574323
3122-075A	50-75 mm	0.01mm	0.005mm	Enterprise	6974804574330
3122-100A	75-100 mm	0.01mm	0.005mm	Enterprise	6974804574347

Tube Micrometer





Description

- Suitable for the measurement of tube thickness and special-shaped parts
- SR5 Carbide spherical measuring face
- Painted frame,Insulation plate,With a spanner
- Metal locking mechanism
- Delivered with a manual, Plastic box

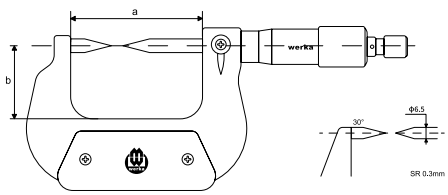
Overall Dimension(mm)

Range	a	b
0-25mm	32	24
25-50mm	57	32
50-75mm	82	44.5
75-100mm	107	57

Art No.	Range	Reading	Indication Error	Standard	Barcode
3123-025N	0-25 mm	0.01mm	0.004mm	Enterprise	6974804574354
3123-050N	25-50 mm	0.01mm	0.004mm	Enterprise	6974804574361
3123-075N	50-75 mm	0.01mm	0.005mm	Enterprise	6974804574378
3123-100N	75-100 mm	0.01mm	0.005mm	Enterprise	6974804574385

Point Micrometer





Description

- Suitable for drills,grooves and hard-to-reach dimensions
- Carbide point anvil,angle 30°
- Painted frame,Insulation plate,With a spanner
- Metal locking mechanism
- Delivered with a manual, Plastic box

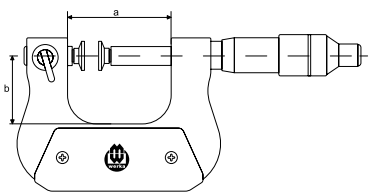
Overall Dimension(mm)

Range	a	b
0-25mm	57	32
25-50mm	82	44.5
50-75mm	107	57
75-100mm	132.6	69.5

Art No.	Range	Reading	Indication Error	Standard	Barcode
3114-25	0-25 mm	0.01mm	0.004mm	Enterprise	6974804574392
3114-50	25-50 mm	0.01mm	0.004mm	Enterprise	6974804574408
3114-75	50-75 mm	0.01mm	0.005mm	Enterprise	6974804574415
3114-100	75-100 mm	0.01mm	0.005mm	Enterprise	6974804574422

Universal Micrometers





Description

- With 7 pairs interchangeable inserts with φ5mm shaft
- Non-rotating spindle φ6.5mm
- Painted frame, thimble chrome finished
- Accuracy to manufacturer standard
- From size 25-50mm including setting gauge
- Ratchet friction thimble, Deliver in cardbox

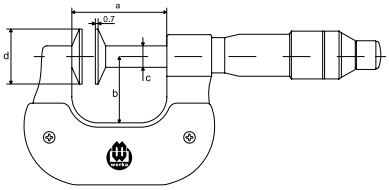
Overall Dimension(mm)

Range	a	b
0-25mm	42	26
25-50mm	67	38
50-75mm	92	50
75-100mm	117.6	62

Art No.	Range	Reading	Accuracy Error	Barcode
217-5769	0-25mm	0.01mm	0.004mm	6971570715769
217-5776	25-50mm	0.01mm	0.004mm	6971570715776
217-5783	50-75mm	0.01mm	0.005mm	6971570715783
217-5790	75-100mm	0.01mm	0.005mm	6971570715790

Disk Micrometers





Description

- Non-rotating spindle φ8mm
- Painted frame, thimble chrome finished
- Ratchet friction thimble
- Accuracy to manufacturer standard
- Deliver in cardbox

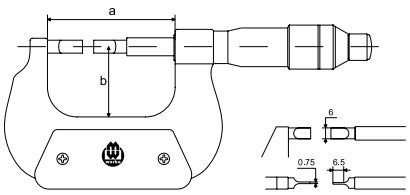
Overall Dimension(mm)

Range	a	b	c	d
0-25mm	34	24	8	20
25-50mm	59	32	8	20
50-75mm	85	45	8	20
75-100mm	110	57	8	20

Art No.	Range	Reading	Accuracy Error	Barcode
217-7329	0-25mm	0.01mm	0.004mm	6971570717329
217-7336	25-50mm	0.01mm	0.004mm	6971570717336
217-7343	50-75mm	0.01mm	0.005mm	6971570717343
217-7350	75-100mm	0.01mm	0.005mm	6971570717350

Blade Micrometers





Description

- Non-rotating spindle φ6.5mm
- With measuring face 0.75x6.5mm
- Painted frame, thimble chrome finished
- Accuracy to manufacturer standard
- Size from size 25-50mm including setting gauge
- Ratchet friction thimble
- Deliver in cardbox

Overall Dimension(mm)

Range	a	b
0-25mm	57	32
25-50mm	82	44.5
50-75mm	107	57
75-100mm	132.6	69.5

Art No.	Range	Reading	Accuracy Error	Barcode
217-7282	0-25mm	0.01mm	0.004mm	6971570717282
217-7299	25-50mm	0.01mm	0.004mm	6971570717299
217-7305	50-75mm	0.01mm	0.005mm	6971570717305
217-7312	75-100mm	0.01mm	0.005mm	6971570717312

V-Anvil Micrometer

Description

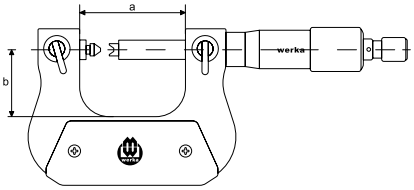
- Used to measure the diameter dimensions of odd numbered groove products and parts. Such as taps, milling cutters, etc
- With ratchet friction thimble
- Carbide measuring face
- With setting gauge
- Packed in plastic box



Art.No.	Range	Reading	Flutes	Barcode
3129-320	5-20 mm	0.01mm	3	6976367671532
3129-525	5-25 mm	0.01mm	5	6976367672621

Thread Micrometer





Description

- Suitable for pitch diameter measurement
- A standard 60°V-shaped and a conical anvil (Metric thread)
- Painted frame,Insulation plate,With a spanner
- Engineering plastic locking mechanism
- Delivered with a manual
- Plastic box

Overall Dimension(mm)

Range	a	b
0-25mm	42	26
25-50mm	67	38
50-75mm	92	50
75-100mm	117.6	62

Art No.	Range	Reading	Indication Error	Standard	Barcode
3115-25	0-25 mm	0.01mm	0.004mm	Enterprise	6972727952945
3115-50	25-50 mm	0.01mm	0.004mm	Enterprise	6974804574439
3115-75	50-75 mm	0.01mm	0.005mm	Enterprise	6974804574446
3115-100	75-100 mm	0.01mm	0.005mm	Enterprise	6974804574453



Anvils(standard)

- Metric thread, tooth form 60°

WP-3115-6001	0.4-0.5mm/64-48TPI
WP-3115-6002	0.6-0.9mm/44-28TPI
WP-3115-6003	1-1.75mm/24-14TPI
WP-3115-6004	2-3mm/13-9TPI
WP-3115-6005	3.5-5mm/8-5TPI
WP-3115-6006	5.5-7mm/4.5-3.5TPI



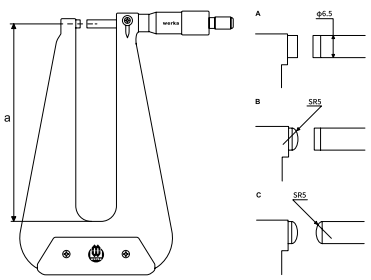
Anvils (Optional)

- Whitworth thread,tooth form 55°

WP-3115-5501	60-48TPI
WP-3115-5502	48-40TPI
WP-3115-5503	40-32TPI
WP-3115-5504	32-24TPI
WP-3115-5505	24-18TPI
WP-3115-5506	18-14TPI
WP-3115-5507	14-10TPI
WP-3115-5508	10-7TPI
WP-3115-5509	7-4.5TPI
WP-3115-5510	4.5-3.5TPI

Deep Arch Micrometer





Description

- Suitable for the thickness measurement of gears and sheet metal etc.
- Deep arch frame,Painted frame
- With insulatioin plate
- Ratchet friction thimble
- Metal locking mechanism
- Delivered with an inspection report
- Wooden box

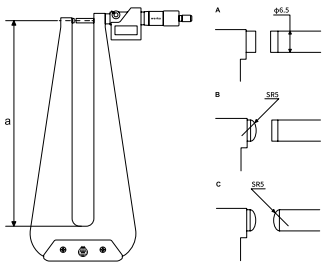
Overall Dimension(mm)

Range	a
0-25mm/150	150
0-25mm/150	150
0-25mm/300	300
0-25mm/150	150

Art No.	Range	Reading	Arch Depth(a)	Anvil	Barcode
3120-1525A	0-25 mm	0.01mm	150mm	Type A	6974804571575
3120-1525B	0-25 mm	0.01mm	150mm	Type B	6974804571582
3120-3025B	0-25 mm	0.01mm	300mm	Type B	6974804571605
3120-1525C	0-25 mm	0.01mm	150mm	Type C	6974804571599

Ip65 Digital Deep Arch Micrometer





Description

- Suitable for the thickness measurement of gears and sheet metal etc.Protection IP65
- Deep arch frame,Painted frame
- With insulatioin plate,Ratchet friction thimble
- Metal locking mechanism
- Delivered with an inspection report and a manual
- a 3V battery,Wooden box
- ON/OFF,ABS/INC,Reset at any position mm/inch, Data transmission

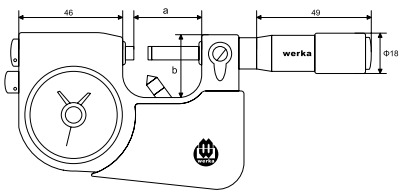
Overall Dimension(mm)

Range	a
0-25mm/150	150
0-25mm/150	150
0-25mm/300	300
0-25mm/150	150

Art No.	Range	Reading	Arch Depth(a)	Anvil	Barcode
3216-1525A	0-25 mm	0.001mm	150mm	Type A	6974804571612
3216-1525B	0-25 mm	0.001mm	150mm	Type B	6974804571629
3216-3025B	0-25 mm	0.001mm	300mm	Type B	6974804571643
3216-1525C	0-25 mm	0.001mm	150mm	Type C	6974804571636

Lever Micrometer





Description

- Suitable for mass and quick measurement
- Carbide measuring face,measuring rod 6.5mm
- Quick movement device, with parts supporting device
- Painted frame,Insulation plate
- Scale range+/-0.04mm, reading0.001mm, With a spanner
- Engineering plastic locking mechanism
- Delivered with a manual,Plastic box

Overall Dimension(mm)

Range	a	b
0-25mm	28.5	19
25-50mm	53.5	30
50-75mm	78.5	45
75-100mm	103.5	57

Art No.	Range	Reading	Indication error	Standard	Barcode
3124-025	0-25 mm	0.001mm	0.003mm	Enterprise	6974804574460
3124-050	25-50 mm	0.001mm	0.003mm	Enterprise	6974804574477
3124-075	50-75 mm	0.001mm	0.003mm	Enterprise	6974804574484
3124-100	75-100 mm	0.001mm	0.003mm	Enterprise	6974804574491

Can Edge Micrometer

Description

- Suitable for any kind of Can edge measurements



Art No.	Range	Reading	Barcode
3112-13	0-13 mm	0.01mm	6974804571551

Wire Micrometer

Description

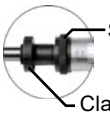
- Suitable for any kind of wire or ball diameter measurement etc.
- Alloy measuring face



Art No.	Range	Reading	Barcode
3112-110	0-10 mm	0.01mm	6974804571544

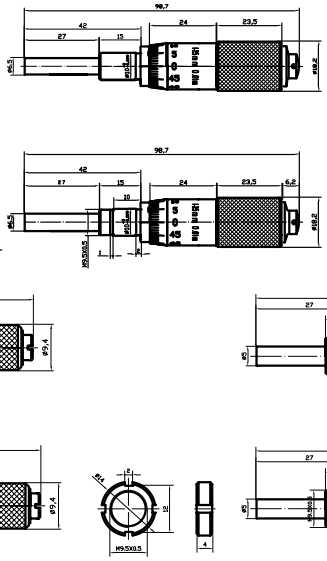
Micrometer Heads











Art No.	Range	Reading	Indication Error	Spindle Tip	Barcode
3127-006	0-6.5 mm	0.01mm	0.04 mm	Flat	6974804574224
3127-006M	0-6.5 mm	0.01mm	0.04 mm	Flat with clamp nut	6974804574231
3127-013	0-13 mm	0.01mm	0.04 mm	Flat	6974804574248
3217-013M	0-13 mm	0.01mm	0.04 mm	Flat with clamp nut	6974804574255
3127-025	0-25 mm	0.01mm	0.04 mm	Flat	6974804574262
3127-025M	0-25 mm	0.01mm	0.04 mm	Flat with clamp nut	6974804574279
3127-025MS	0-25 mm	0.01mm	0.04 mm	Flat with clamp nut	6974804574286

Micrometer Stand

Description

- With adjustable angle and central clamp
- Clamp with rubber pads for protection theinstruments
- Cast iron base,For outside micrometers 0-100mm



Art No.	Barcode
217-6858	6971570716858

Micrometer Measuring Force Detector

Description

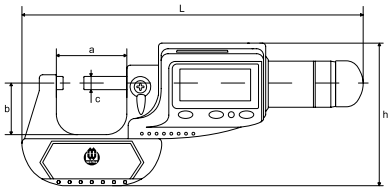
- With extension rod,for outside micrometers (0-25/25-50/50-75/75-100mm)
- Measuring force 5-12N



Art.No	Range	Barcode
3128-01	0-100mm	6974804579083

Digital Outside Micrometers IP54





Description

- Accuracy according to DIN863
- IP54 protection, water and dust resistant
- Painted framed, with ratchet friction thimble
- Carbide measuring face
- With functions of mm/inch, zero setting at any position, power on/off
- From size 25-50mm including setting gauge
- In plastic box, with 3V CR2032 battery
- Deliver with inspection report

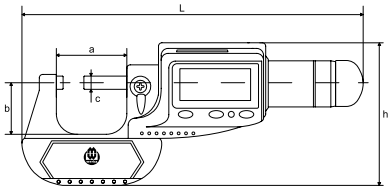
Overall Dimension(mm)

Range	L	a	b	c	h
0-25mm	156	32	25	6.5	63
25-50mm	185	57	31	6.5	80
50-75mm	212	82	44	6.5	95
75-100mm	240	107	56	6.5	113
100-125mm	269	132	68	6.5	128
125-150mm	296	157	81	6.5	146

Art No.	Range	Reading	Accuracy Error	Barcode
217-5806	0-25mm/0-1"	0.001mm/0.00005"	0.003mm	6971570715806
217-5813	25-50mm/1-2"	0.001mm/0.00005"	0.003mm	6971570715813
217-5820	50-75mm/2-3"	0.001mm/0.00005"	0.004mm	6971570715820
217-5837	75-100mm/3-4"	0.001mm/0.00005"	0.004mm	6971570715837
217-5844	100-125mm/4-5"	0.001mm/0.00005"	0.005mm	6971570715844
217-5851	125-150mm/5-6"	0.001mm/0.00005"	0.005mm	6971570715851

Digital Outside Micrometers IP54





Description

- Accuracy according to DIN863
- A green LED light turn on when the reading is within preset tolerance limits
- IP54 protection, water and dust resistant
- Painted framed, with ratchet friction thimble
- Carbide measuring face
- With functions of mm/inch, zero setting at any position, power on/off and Tolerance setting
- From size 25-50mm including setting gauge
- Data output with mini USB interface
- In plastic box, with 3V CR2032 battery
- Deliver with inspection report

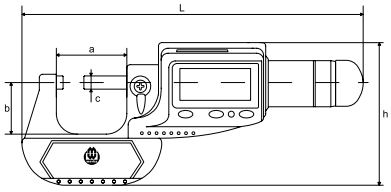
Overall Dimension(mm)

Range	L	a	b	c	h
0-25mm	156	32	25	6.5	63
25-50mm	185	57	31	6.5	80
50-75mm	212	82	44	6.5	95
75-100mm	240	107	56	6.5	113
100-125mm	269	132	68	6.5	128
125-150mm	296	157	81	6.5	146

Art No.	Range	Reading	Accuracy error	Barcode
217-5868	0-25mm/0-1"	0.001mm/0.00005"	0.003mm	6971570715868
217-5875	25-50mm/1-2"	0.001mm/0.00005"	0.003mm	6971570715875
217-5882	50-75mm/2-3"	0.001mm/0.00005"	0.004mm	6971570715882
217-5899	75-100mm/3-4"	0.001mm/0.00005"	0.004mm	6971570715899
217-5905	100-125mm/4-5"	0.001mm/0.00005"	0.005mm	6971570715905
217-5912	125-150mm/5-6"	0.001mm/0.00005"	0.005mm	6971570715912

Digital Outside Micrometers IP65





Description

- Accuracy according to DIN863
- Inductive measuring system
- IP65 protection, water and dust resistant
- Painted framed, with ratchet friction thimble
- Carbide measuring face
- With functions of mm/inch, zero setting at any position, power on/off and data hold
- From size 25-50mm including setting gauge
- Data output with mini USB interface
- In plastic box, with 3V CR2032 battery
- Deliver with inspection report

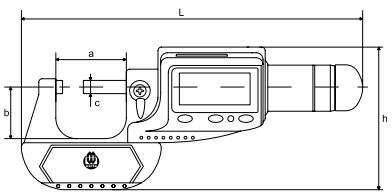
Overall Dimension(mm)

Range	L	a	b	c	h
0-25mm	156	32	25	6.5	63
25-50mm	185	57	31	6.5	80
50-75mm	212	82	44	6.5	95
75-100mm	240	107	56	6.5	113
100-125mm	269	132	68	6.5	128
125-150mm	296	157	81	6.5	146

Art No.	Range	Reading	Accuracy Error	Barcode
217-5929	0-25mm/0-1"	0.001mm/0.00005"	0.003mm	6971570715929
217-5936	25-50mm/1-2"	0.001mm/0.00005"	0.003mm	6971570715936
217-5943	50-75mm/2-3"	0.001mm/0.00005"	0.004mm	6971570715943
217-5950	75-100mm/3-4"	0.001mm/0.00005"	0.004mm	6971570715950
217-5967	100-125mm/4-5"	0.001mm/0.00005"	0.005mm	6971570715967
217-5974	125-150mm/5-6"	0.001mm/0.00005"	0.005mm	6971570715974

Digital Outside Micrometers IP65





Description

- Accuracy according to DIN863.
- A green LED light turn on when the reading is within preset tolerance limits
- Inductive measuring system
- IP65 protection, water and dust resistant
- Painted framed, with ratchet friction thimble
- Carbide measuring face
- With functions of mm/inch, zero setting at any position, power on/off and Tolerance setting
- From size 25-50mm including setting gauge
- Data output with mini USB interface
- In plastic box, with 3V CR2032 battery
- Deliver with inspection report

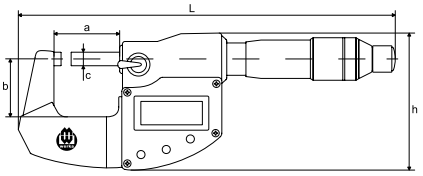
Overall Dimension(mm)

Range	L	a	b	c	h
0-25mm	156	32	25	6.5	63
25-50mm	185	57	31	6.5	80
50-75mm	212	82	44	6.5	95
75-100mm	240	107	56	6.5	113
100-125mm	269	132	68	6.5	128
125-150mm	296	157	81	6.5	146

Art No.	Range	Reading	Accuracy Error	Barcode
217-5981	0-25mm/0-1"	0.001mm/0.00005"	0.003mm	6971570715981
217-5998	25-50mm/1-2"	0.001mm/0.00005"	0.003mm	6971570715998
217-6001	50-75mm/2-3"	0.001mm/0.00005"	0.004mm	6971570716001
217-6018	75-100mm/3-4"	0.001mm/0.00005"	0.004mm	6971570716018
217-6025	100-125mm/4-5"	0.001mm/0.00005"	0.005mm	6971570716025
217-6032	125-150mm/5-6"	0.001mm/0.00005"	0.005mm	6971570716032

Digital Outside Micrometers IP65





Description

- Accuracy according to DIN863
- IP65 protection, water and dust resistant
- Painted framed, with ratchet friction thimble and thimble chrome finished
- Carbide measuring face
- With ON/OFF, in/mm and ZERO three buttons
- From size 25-50mm including setting gauge
- Data output with mini USB interface
- In plastic box, with 3V CR2032 battery
- Deliver with inspection report

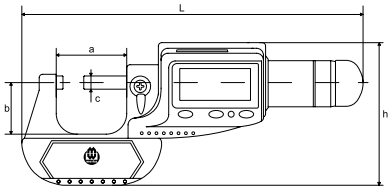
Overall Dimension(mm)

Range	L	a	b	c	h
0-25mm	160	30	25	6.5	60
25-50mm	189	55	31	6.5	76
50-75mm	219	81	44	6.5	91
75-100mm	247	106	56	6.5	107
100-125mm	278	131	68	6.5	125
125-150mm	308	156	81	6.5	141

Art No.	Range	Reading	Accuracy Error	Barcode
217-6049	0-25mm/0-1"	0.001mm/0.00005"	0.003mm	6971570716049
217-6056	25-50mm/1-2"	0.001mm/0.00005"	0.003mm	6971570716056
217-6063	50-75mm/2-3"	0.001mm/0.00005"	0.004mm	6971570716063
217-6070	75-100mm/3-4"	0.001mm/0.00005"	0.004mm	6971570716070
217-6087	100-125mm/4-5"	0.001mm/0.00005"	0.005mm	6971570716087
217-6094	125-150mm/5-6"	0.001mm/0.00005"	0.005mm	6971570716094

Digital Tube Thickness Micrometers





Description

- A green LED light turn on when the reading is within preset tolerance limits
- IP54 protection, water and dust resistant
- Painted framed, with ratchet friction thimble
- With Spherical faces of fixed anvil
- With functions of mm/inch, zero setting at any position, power on/off and Tolerance setting
- Data output with mini USB interface
- In plastic box, with 3V CR2032 battery
- Deliver with inspection report

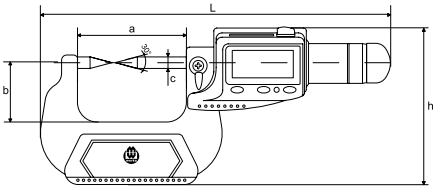
Overall Dimension(mm)

Range	L	a	b	c	h
0-25mm	156	32	25	6.5	63
25-50mm	185	57	31	6.5	80
50-75mm	212	82	44	6.5	95
75-100mm	240	107	56	6.5	113

Art No.	Range	Reading	Accuracy Error	Barcode
217-6100	0-25mm/0-1"	0.001mm/0.00005"	0.003mm	6971570716100
217-6117	25-50mm/1-2"	0.001mm/0.00005"	0.003mm	6971570716117
217-6124	50-75mm/2-3"	0.001mm/0.00005"	0.004mm	6971570716124
217-6131	75-100mm/3-4"	0.001mm/0.00005"	0.004mm	6971570716131

Digital Point Micrometers





Description

- A green LED light turn on when the reading is within preset tolerance limits
- IP54 protection, water and dust resistant
- Pointed spindle and anvil for measuring drills, grooves and hard-to-reach dimensions
- Painted framed, with ratchet friction thimble
- Carbide measuring points
- With functions of mm/inch, zero setting at any position, power on/off and Tolerance setting
- Data output with mini USB interface
- In plastic box, with 3V CR2032 battery
- Deliver with inspection report

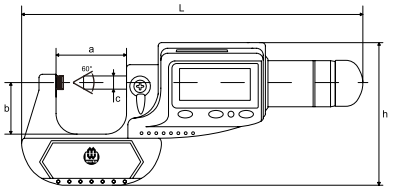
Overall Dimension(mm)

Range	L	a	b	c	h
0-25mm	185	57	31	6.5	78
25-50mm	212	82	44	6.5	93.5
50-75mm	240	107	56	6.5	111.5
75-100mm	270	132	66	6.5	128

Art No.	Range	Reading	Accuracy Error	Barcode
217-6148	0-25mm/0-1"	0.001mm/0.00005"	0.003mm	6971570716148
217-6155	25-50mm/1-2"	0.001mm/0.00005"	0.003mm	6971570716155
217-6162	50-75mm/2-3"	0.001mm/0.00005"	0.004mm	6971570716162
217-6179	75-100mm/3-4"	0.001mm/0.00005"	0.004mm	6971570716179

Digital Point Micrometers





Description

- A green LED light turn on when the reading is within preset tolerance limits
- IP54 protection, water and dust resistant
- Pointed spindle for measuring drills, grooves andhard-to-reach dimensions
- Painted framed, with ratchet friction thimble
- Carbide measuring points
- With functions of mm/inch, zero setting at any position, power on/off and Tolerance setting
- Data output with mini USB interface
- In plastic box, with 3V CR2032 battery
- Deliver with inspection report

Overall Dimension(mm)

Range	L	a	b	c	h
0-20mm	155	57	32	6.5	63

Art No.	Range	Reading	Accuracy Error	Barcode
217-6186	0-20mm/0-0.8"	0.001mm/0.00005"	0.003mm	6971570716186

High Precision Indicating Snap Micrometer

Description

- Measuring system with high precision optical linear encoder
- With carbide measuring face
- Spindle thread pitch 10 mm
- With snap, measuring range 3 mm
- Large LCD display with analog indication
- ON/OFF, ZERO, M, HOLD and DATA buttons
- Build-in rechargeabl lithium battery
- Measuring force 5-10N
- Delivered with an inspection report
- Prime plastic box



Art.No.	Range	Reading	Indication Error	Barcode
3221-025	0-25 mm	0.001mm	±0.002mm	6976367674038

High Precision Indicating Snap Micrometer With BT

Description

- Measuring system with high precision optical linear encoder
- Built-in bluetooth 5.0 module to make wireless data transmission available
- With carbide measuring face
- Spindle thread pitch 10 mm
- With snap, measuring range 3 mm
- Large LCD display with analog indication
- ON/OFF, ZERO, M, HOLD and DATA buttons
- Build-in rechargeabl lithium battery
- Measuring force 5-10N
- Delivered with an inspection report
- Prime plastic box



Art.No.	Range	Reading	Indication Error	Barcode
3221-025BT	0-25 mm	0.001mm	±0.002mm	6976367674045

Digital Tube Micrometer

Description

- Protection IP65, water and dust resistant
- With carbide measuring face
- With ratchet friction thimble
- Delivered with an inspection report
- Prime plastic box



Art.No.	Range	Reading	Indication Error	Barcode
3223-25A	0-25 mm	0.001mm	±0.003mm	6976367673970
3223-50A	25-50 mm	0.001mm	±0.003mm	6976367673987

Digital Gear Micrometer

Description

- Protection IP65, water and dust resistant
- With spherical measuring face
- With ratchet friction thimble
- Prime plastic box



Art.No.	Range	Reading	Indication Error	Barcode
3224-25	0-25 mm	0.001mm	±0.002mm	6976367673994
3224-50	25-50 mm	0.001mm	±0.002mm	6976367674007
3224-75	50-75 mm	0.001mm	±0.003mm	6976367674014
3224-100	75-100 mm	0.001mm	±0.003mm	6976367674021

Inside Micrometers(Single Rod)

Description



- Carbide measuring faces
- Measuring width dimension:Min reading value is the optimal value when measuring width dimension
- Measuring internal diameter:Max reading value is the optimal value when measuring bore dimension

Art No.	Range	Reading	Accuracy error	Barcode
3110-75	50-75mm	0.01mm	0.005mm	6972727952068
3110-100	75-100mm	0.01mm	0.005mm	6972727952075
3110-125	100-125mm	0.01mm	0.006mm	6972727952082
3110-150	125-150mm	0.01mm	0.006mm	6972727952099
3110-175	150-175mm	0.01mm	0.007mm	6972727952105
3110-200	175-200mm	0.01mm	0.007mm	6972727952112
3110-225	200-225mm	0.01mm	0.008mm	6972727952129
3110-250	225-250mm	0.01mm	0.008mm	6972727952136
3110-275	250-275mm	0.01mm	0.009mm	6972727952143
3110-300	275-300mm	0.01mm	0.009mm	6972727952150
3110-325	300-325mm	0.01mm	0.009mm	6972727952167
3110-350	325-350mm	0.01mm	0.009mm	6972727952174
3110-375	350-375mm	0.01mm	0.010mm	6972727952181
3110-400	375-400mm	0.01mm	0.010mm	6972727952198
3110-425	400-425mm	0.01mm	0.010mm	6972727952204
3110-450	425-450mm	0.01mm	0.010mm	6972727952211
3110-475	450-475mm	0.01mm	0.011mm	6972727952228
3110-500	475-500mm	0.01mm	0.011mm	6972727952235

Internal Micrometer Set

Description

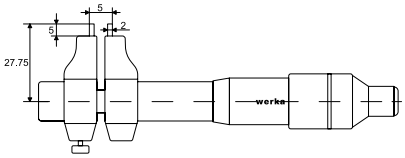


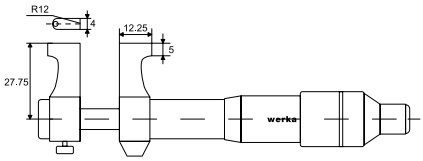
- Suitable for internal diamemter measurement for big sizes
- Extention rods,Painted rods
- With setting rings,With spanners
- Delivered with a manual,Wooden box
- Error:(3+n+L/50)um,n= the number of rods, L= Max length to be measured

Art No.	Range	Reading	Standard	Barcode
3110-063	50-63 mm	0.01mm	Enterprise	6972727957018
3110-1501	50-150 mm	0.01mm	Enterprise	6972727957025
3110-2501	50-250 mm	0.01mm	Enterprise	6972727957964
3110-3001	50-300 mm	0.01mm	Enterprise	6972727957032
3110-5001	50-500 mm	0.01mm	Enterprise	6972727957049
3110-6001	50-600 mm	0.01mm	Enterprise	6972727957971
3110-1000	50-1000 mm	0.01mm	Enterprise	6972727957056
3110-1500	50-1500 mm	0.01mm	Enterprise	6972727957063

Internal Micrometer







Description

- With round carbide measuring face
- Thimble chrome finlished
- With ratchet friction thimble
- Deliver in cardbox with inspection certificate

Art No.	Range	Reading	Accuracy error	Barcode	Remark
217-6261	5-30mm	0.01mm	0.005mm	6971570716261	with setting ring
217-6278	25-50mm	0.01mm	0.006mm	6971570716278	with setting ring
217-6285	50-75mm	0.01mm	0.007mm	6971570716285	
217-6292	75-100mm	0.01mm	0.008mm	6971570716292	
217-6308	0.2-1.2"	0.001" inch	0.0002"	6971570716308	with setting ring
217-6315	1-2"	0.001" inch	0.00024"	6971570716315	with setting ring
217-6322	2-3"	0.001" inch	0.00028"	6971570716322	
217-6339	3-4"	0.001" inch	0.00032"	6971570716339	

Digital Inside Micrometer



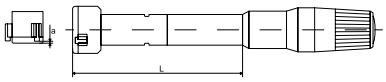
Description

- Protection IP65, water and dust resistant
- With carbide measuring face
- With ratchet friction thimble
- Delivered with an inspection report
- Prime plastic box

Art.No.	Range	Reading	Indication Error	Barcode	Remark
3222-30	5-30 mm	0.001mm	±0.003mm	6976367672416	with setting ring
3222-50	25-50 mm	0.001mm	±0.003mm	6976367672423	with setting ring
3222-75	50-75 mm	0.001mm	±0.004mm	6976367672430	-
3222-100	75-100 mm	0.001mm	±0.004mm	6976367672447	-
3222-125	100-125 mm	0.001mm	±0.005mm	6976367672454	-
3222-150	125-150 mm	0.001mm	±0.005mm	6976367672461	-
3222-175	150-175 mm	0.001mm	±0.005mm	6976367672478	-
3222-200	175-200 mm	0.001mm	±0.005mm	6976367672485	-

Three Point Internal Micrometers





Description

- For blind hole,Satin chrome finished
- With carbide measuring points from 12mm
- With setting rings and extension
- Resolution:
  within12mm/0.5": 0.001mm(metric)0.0001”(inch)
  over12mm/0.5": 0.005mm(metric)0.0002”(inch)
- Packed in aluminum box with inspection certificate

Art No.	Range	Setting Ringø	Measuring Depth(L1)	Extension Rods	Measuring Tips(A)	Barcode
217-6346	6-8mm	6mm	53.5mm	100mm	1.5mm	6971570716346
217-6353	8-10mm	8mm	53.5mm	100mm	1.5mm	6971570716353
217-6360	10-12mm	10mm	53.5mm	100mm	1.5mm	6971570716360
217-6377	12-16mm	16mm	80mm	150mm	0.5mm	6971570716377
217-6384	16-20mm	16mm	80mm	150mm	0.5mm	6971570716384
217-6391	20-25mm	25mm	90mm	150mm	0.5mm	6971570716391
217-6407	25-30mm	25mm	90mm	150mm	0.5mm	6971570716407
217-6414	30-40mm	40mm	97mm	150mm	0.5mm	6971570716414
217-6421	40-50mm	40mm	97mm	150mm	0.5mm	6971570716421
217-6438	50-63mm	62mm	114mm	150mm	0.5mm	6971570716438
217-6445	62-75mm	62mm	114mm	150mm	0.5mm	6971570716445
217-6452	75-88mm	87mm	114mm	150mm	0.5mm	6971570716452
217-6469	87-100mm	87mm	114mm	150mm	0.5mm	6971570716469
217-3036	100-125 mm	-	145 mm	150 mm	0.5 mm	6974804573036
217-3142	125-150 mm	-	145 mm	150 mm	0.5 mm	6974804573142
217-3159	150-175 mm	-	145 mm	150 mm	0.5 mm	6974804573159
217-3166	175-200 mm	-	145 mm	150 mm	0.5 mm	6974804573166
217-3173	200-225 mm	-	145 mm	150 mm	0.5 mm	6974804573173
217-3180	225-250 mm	-	145 mm	150 mm	0.5 mm	6974804573180
217-3197	250-275 mm	-	145 mm	150 mm	0.5 mm	6974804573197
217-3203	275-300 mm	-	145 mm	150 mm	0.5 mm	6974804573203
217-6513	0.275-0.35"inch	0.275"inch	2.18"inch	4"	0.06"	6971570716513
217-6520	0.35-0.425"inch	0.35"inch	2.18"inch	4"	0.06"	6971570716520
217-6537	0.425-0.5"inch	0.5"inch	2.18"inch	4"	0.06"	6971570716537
217-6544	0.5-0.65"inch	0.65"inch	3.2"inch	6"	0.02"	6971570716544
217-6551	0.65-0.8"inch	0.65"inch	3.2"inch	6"	0.02"	6971570716551
217-6568	0.8-1"inch	1"inch	3.6"inch	6"	0.02"	6971570716568
217-6575	1-1.2"inch	1"inch	3.6"inch	6"	0.02"	6971570716575
217-6582	1.2-1.6"inch	1.6"inch	3.88"inch	6"	0.02"	6971570716582
217-6599	1.6-2"inch	1.6"inch	3.88"inch	6"	0.02"	6971570716599
217-6605	2-2.5"inch	2.5"inch	4.56"inch	6"	0.02"	6971570716605
217-6612	2.5-3"inch	2.5"inch	4.56"inch	6"	0.02"	6971570716612
217-6629	3-3.5"inch	3.5"inch	4.56"inch	6"	0.02"	6971570716629
217-6636	3.5-4"inch	3.5"inch	4.56"inch	6"	0.02"	6971570716636

Overall Dimension(mm)

Range	L	a
6-8mm	54.5	1.5
8-10mm	54.5	1.5
10-12mm	54.5	1.5
12-16mm	80	0.5
16-20mm	80	0.5
20-25mm	90	0.5
25-30mm	90	0.5
30-40mm	97	0.5
40-50mm	97	0.5
50-63mm	114	0.5
62-75mm	114	0.5
75-88mm	114	0.5
87-100mm	114	0.5
100-125mm	145	0.5
125-150mm	145	0.5
150-175mm	145	0.5
175-200mm	145	0.5
200-225mm	145	0.5
225-250mm	145	0.5
250-275mm	145	0.5
275-300mm	145	0.5

Three Point Internal Micrometer Set



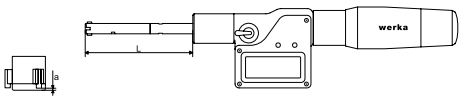
Description

- Set of three points internal micrometers
- With setting rings and extension rods
- Packed in aluminum box with inspection certificat

Art No.	Range	Setting Ringø	Extension Rods	Measuring Tips	Barcode
217-6476	6-12mm(3pcs)	6, 8, 10mm	100mm	1.5mm	6971570716476
217-6483	12-20mm(2pcs)	16mm	150mm	0.5mm	6971570716483
217-6490	20-50mm(4pcs)	25, 40mm	150mm	0.5mm	6971570716490
217-6506	50-100mm(4pcs)	62,87mm	150mm	0.5mm	6971570716506
Art No.	Range	Setting Ringø	Extension Rods	Measuring Tips	Barcode
217-6643	0.275-0.5"inch(3pcs)	0.275", 0.35", 0.5"	4"	0.02"	6971570716643
217-6650	0.5-0.8"inch(2pcs)	0.65"	6"	0.02"	6971570716650
217-6667	0.8-2"inch(4pcs)	1",1.6"	6"	0.02"	6971570716667
217-6674	2-4"inch(4pcs)	2.5",3.5"	6"	0.02"	6971570716674

Digital Three Point Internal Micrometers





Description

- IP65 protection, water and dust resistant
- For blind hole
- With carbide measuring points from 12mm
- Satin chrome finished
- With setting rings and extension
- Button: ON/OFF/SET, ABS/INC/UNIT
- Packed in aluminum box with inspection certificate

Art No.	Range	Setting Ringø	Measuring Depth(L1)	Extension Rods	Measuring Tips(A)	Barcode
217-7466	6-8mm/0.275-0.35"	6mm	54.5mm	100mm	1.5mm	6971570717466
217-7473	8-10mm/0.35-0.425"	8mm	54.5mm	100mm	1.5mm	6971570717473
217-7480	10-12mm/0.425-0.5"	10mm	54.5mm	100mm	1.5mm	6971570717480
217-7497	12-16mm/0.5-0.65"	16mm	80mm	150mm	0.5mm	6971570717497
217-7503	16-20mm/0.65-0.8"	16mm	80mm	150mm	0.5mm	6971570717503
217-7510	20-25mm/0.8-1"	25mm	90mm	150mm	0.5mm	6971570717510
217-7527	25-30mm/1-1.2"	25mm	90mm	150mm	0.5mm	6971570717527
217-7534	30-40mm/1.2-1.6"	40mm	97mm	150mm	0.5mm	6971570717534
217-7541	40-50mm/1.6-2"	40mm	97mm	150mm	0.5mm	6971570717541
217-7558	50-63mm/2-2.5"	62mm	114mm	150mm	0.5mm	6971570717558
217-7565	62-75mm/2.5-3"	62mm	114mm	150mm	0.5mm	6971570717565
217-7572	75-88mm/3-3.5"	87mm	114mm	150mm	0.5mm	6971570717572
217-7589	87-100mm/3.5-4"	87mm	114mm	150mm	0.5mm	6971570717589
217-3210	100-125 mm/4-5"	-	150 mm	150 mm	0.5 mm	6974804573210
217-3227	125-150 mm/5-6"	-	150 mm	150 mm	0.5 mm	6974804573227
217-3234	150-175 mm/6-7"	-	150 mm	150 mm	0.5 mm	6974804573234
217-3241	175-200 mm/7-8"	-	150 mm	150 mm	0.5 mm	6974804573241
217-3258	200-225 mm/8-9"	-	150 mm	150 mm	0.5 mm	6974804573258
217-3265	225-250 mm9-10"	-	150 mm	150 mm	0.5 mm	6974804573265
217-3272	250-275 mm/10-11"	-	150 mm	150 mm	0.5 mm	6974804573272
217-3289	275-300 mm/11-12"	-	150 mm	150 mm	0.5 mm	6974804573289

Overall Dimension(mm)

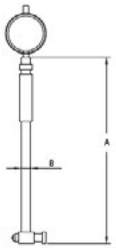
Range	L	a
6-8mm	54.5	1.5
8-10mm	54.5	1.5
10-12mm	54.5	1.5
12-16mm	80	0.5
16-20mm	80	0.5
20-25mm	90	0.5
25-30mm	90	0.5
30-40mm	97	0.5
40-50mm	97	0.5
50-63mm	114	0.5
62-75mm	114	0.5
75-88mm	114	0.5
87-100mm	114	0.5
100-125mm	150	0.5
125-150mm	150	0.5
150-175mm	150	0.5
175-200mm	150	0.5
200-225mm	150	0.5
225-250mm	150	0.5
250-275mm	150	0.5
275-300mm	150	0.5

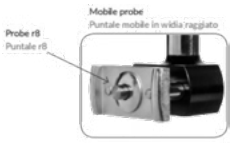
Digital Three Point Internal Micrometers Set

Art No.	Range	Setting Ringø	Extension Rods	Measuring Tips	Barcode
217-4187	6-12 mm/(3pcs)	6/8/10 mm	100 mm	1.5 mm	6974804574187
217-4194	12-20 mm/(2pcs)	16 mm	150 mm	0.5 mm	6974804574194
217-3043	20-50 mm/(4pcs)	25/40 mm	150 mm	0.5 mm	6974804573043
217-3050	50-100 mm/(4pcs)	62/87 mm	150 mm	0.5 mm	6974804573050

Bore Gauge With Carbide Tip









Description

- Made in and originated from europe
- Used for measurements bore diameter
- Interchangeable fixed tips
- Handle with insulation chamber
- ø8mm clamping shank for indicators
- Packed in wooden box

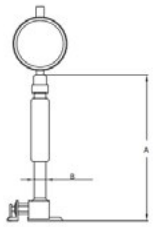
Overall dimension(mm)

Range	A	B	Remark
5-10 mm	145	4.8	
10-20 mm	160	9.5	
15-35 mm	200	8	
30-100 mm	275	13	
50-160 mm	280	13	
50-210 mm	397	13	
100-300 mm	375	15	
15-35 mm	94	8	Short rod

Art.No.	Range	Reading	Indication Error	Repeatability	Net weight	Barcode	
4115-010A-01	5-10 mm	0.01mm	±0.005 mm	0.003 mm	60 g	6976367672683	
4115-020A-01	10-20 mm	0.01mm	±0.005 mm	0.003 mm	100 g	6976367672690	
4115-035A-01	15-35 mm	0.01mm	±0.003 mm	0.001 mm	80 g	6976367672706	
4115-100A-01	30-100 mm	0.01mm	±0.003 mm	0.001 mm	190 g	6976367672713	
4115-160A-01	50-160 mm	0.01mm	±0.003 mm	0.001 mm	220 g	6976367672720	
4115-210A-01	50-210 mm	0.01mm	±0.003 mm	0.001 mm	270 g	6976367672737	
4115-300A-01	100-300 mm	0.01mm	±0.003 mm	0.001 mm	460 g	6976367672744	
4115-035A-AC-01	15-35 mm	0.01mm	±0.003 mm	0.001 mm	50 g	6976367672751	Short rod

Bore Gauge For Blind Holes









Description

- Made in and originated from europe
- Used for measurements at a minimum distance from the bottom
- Handle with insulation chamber
- ø8mm clamping shank for indicators
- Packed in wooden box

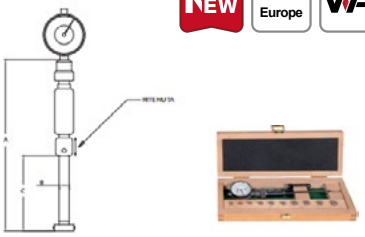
Overall dimension(mm)

Range	A	B
16-35 mm	94	8
25-60 mm	155	8
50-150 mm	162	13
100-300 mm	250	15

Art.No.	Range	Reading	Measuring Depth	Indication Error	Repeatability	Net weight	Barcode
4116-035-01	16-35 mm	0.01mm	35mm	±0.005 mm	0.001 mm	50 g	6976367672768
4116-060-01	25-60 mm	0.01mm	130 mm	±0.005 mm	0.001 mm	100 g	6976367672775
4116-150-01	50-150 mm	0.01mm	150 mm	±0.005 mm	0.001 mm	190 g	6976367672782
4116-300-01	100-300 mm	0.01mm	230 mm	±0.005 mm	0.001 mm	400 g	6976367672799

Small Bore Gauge





Description

- Made in and originated from europe
- Manual recall of the mechanism, to facilitate entry into the holes
- Handle with insulation chamber
- ø8mm clamping shank for indicators
- Packed in wooden box

Overall dimension(mm)

Range	A	B	C
5-10 mm	145	4.8	70
10-20 mm	160	9.5	70

Art.No.	Range	Reading	Measuring Depth	Indication Error	Repeatability	Net weight	Barcode
4115-010-SD01	5-10 mm	0.01mm	70 mm	±0.003 mm	0.002 mm	60 g	6976367672805
4115-020-SD01	10-20 mm	0.01mm	70 mm	±0.003 mm	0.002 mm	100 g	6976367672812

Bore Gauge With Ceramic Tips

Description

- With ceramic tips, wear-resistant
- Deliver with inspection report
- Prime plastic box



WITH DIAL INDICATORS

Art No.	Range		Reading	Meauring depth	Accuracy error	Repeatability	Barcode
4106-C18	10-18 mm	Dial indicator 0-5mm	0.01 mm	100 mm	±0.012 mm	0.003 mm	6976367672355
4106-C35	18-35 mm	Dial indicator 0-10mm	0.01 mm	150 mm	±0.015 mm	0.003 mm	6976367672362
4106-C50	35-50 mm		0.01 mm	150 mm	±0.018 mm	0.003 mm	6976367672379
4106-C160	50-160 mm		0.01 mm	150 mm	±0.018 mm	0.003 mm	6976367672348
4106-C250	160-250 mm		0.01 mm	250 mm	±0.018 mm	0.003 mm	6976367672386
4106-C450	250-450 mm		0.01 mm	250 mm	±0.018 mm	0.003 mm	6976367672393

WITH DIGITAL INDICATORS

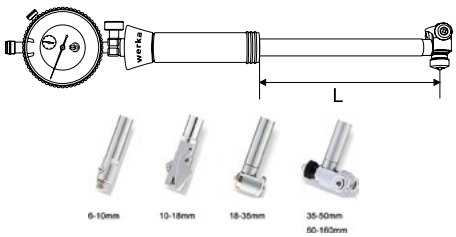
Art No.	Range		Reading	Meauring depth	Accuracy error	Repeatability	Barcode
4206-C18	10-18 mm	Digital indicator 0-12.7mm	0.002 mm	100 mm	±0.012 mm	0.003 mm	6976367674939
4206-C35	18-35 mm		0.002 mm	150 mm	±0.015 mm	0.003 mm	6976367674946
4206-C50	35-50 mm		0.002 mm	150 mm	±0.018 mm	0.003 mm	6976367674953
4206-C160	50-160 mm		0.002 mm	150 mm	±0.018 mm	0.003 mm	6976367674960
4206-C250	160-250 mm		0.002 mm	250 mm	±0.018 mm	0.003 mm	6976367674977
4206-C450	250-450 mm		0.002 mm	250 mm	±0.018 mm	0.003 mm	6976367674984

WITH DIGITAL INDICATORS

Art No.	Range		Reading	Meauring depth	Accuracy error	Repeatability	Barcode
4206-C181	10-18 mm	Digital indicator 0-12.7mm	0.001 mm	100 mm	±0.005 mm	0.002 mm	6976367674991
4206-C351	18-35 mm		0.001 mm	150 mm	±0.006 mm	0.002 mm	6976367675004
4206-C501	35-50 mm		0.001 mm	150 mm	±0.007 mm	0.002 mm	6976367675011
4206-C1601	50-160 mm		0.001 mm	150 mm	±0.007 mm	0.002 mm	6976367675028
4206-C2501	160-250 mm		0.001 mm	250 mm	±0.007 mm	0.002 mm	6976367675035
4206-C4501	250-450 mm		0.001 mm	250 mm	±0.007 mm	0.002 mm	6976367675042

Bore Gauge





WITH DIAL INDICATORS

Art No.	Range		Reading	Meauring depth	Accuracy error	Repeatability	Barcode
220-7114	6-10mm	Dial indicator 0-5x0.01mm	0.01mm	40mm	±0.012mm	0.003mm	6971570717114
220-7121	10-18mm		0.01mm	100mm	±0.012mm	0.003mm	6971570717121
220-7169	0.24-0.4"(inch)	Dial indicator 0-0.5x0.0005"(inch)	0.0005"(inch)	40mm	±0.012mm	0.003mm	6971570717169
220-7176	0.4-0.7"(inch)		0.0005"(inch)	100mm	±0.012mm	0.003mm	6971570717176

WITH DIAL INDICATORS

Art No.	Range		Reading	Meauring depth	Accuracy error	Repeatability	Barcode	Remark
220-7138	18-35mm	Dial indicator 0-10x0.01mm	0.01mm	150mm	±0.015mm	0.003mm	6971570717138	
220-7145	35-50mm		0.01mm	150mm	±0.018mm	0.003mm	6971570717145	
220-4583	35-60 mm		0.01 mm	150 mm	±0.018 mm	0.003 mm	6974804574583	New
220-7152	50-160mm		0.01mm	150mm	±0.018mm	0.003mm	6971570717152	
220-9552	160-250mm		0.01mm	250mm	±0.018mm	0.003mm	6971570719552	
220-9569	250-450mm		0.01mm	250mm	±0.018mm	0.003mm	6971570719569	
220-7183	0.7-1.5"(inch)	Dial indicator 0-0.5x0.0005"(inch)	0.0005"(inch)	6"(inch)	±0.015mm	0.003mm	6971570717183	
220-7190	1.4-2.4"(inch)		0.0005"(inch)	6"(inch)	±0.018mm	0.003mm	6971570717190	
220-7206	2-6"(inch)		0.0005"(inch)	6"(inch)	±0.018mm	0.003mm	6971570717206	

WITH DIGITAL INDICATORS

Art No.	Range		Reading	Meauring depth	Accuracy error	Repeatability	Barcode
221-7213	6-10mm	Digital indicator 0-12.7x0.002mm (221-9217)	0.002mm	40mm	±0.012mm	0.003mm	6971570717213
221-7220	10-18mm		0.002mm	100mm	±0.012mm	0.003mm	6971570717220
221-9255	6-10mm	Digital indicator 0-12.7x0.001mm (221-9224)	0.001mm	40mm	±0.005mm	0.002mm	6971570719255
221-9262	10-18mm		0.001mm	100mm	±0.005mm	0.002mm	6971570719262

WITH DIGITAL INDICATORS

Art No.	Range		Reading	Meauring depth	Accuracy error	Repeatability	Barcode
221-7237	18-35mm	Digital indicator 0-12.7x0.002mm (221-9217)	0.002mm	150mm	±0.015mm	0.003mm	6971570717237
221-7244	35-50mm		0.002mm	150mm	±0.018mm	0.003mm	6971570717244
221-7251	50-160mm		0.002mm	150mm	±0.018mm	0.003mm	6971570717251
221-9279	18-35mm	Digital indicator 0-12.7x0.001mm (221-9224)	0.001mm	150mm	±0.006mm	0.002mm	6971570719279
221-9286	35-50mm		0.001mm	150mm	±0.007mm	0.002mm	6971570719286
221-9293	50-160mm		0.001mm	150mm	±0.007mm	0.002mm	6971570719293

Overall Dimension(mm)

Range	L
6-10mm	40
10-18mm	100
18-35mm	150
35-50mm	150
35-60mm	150
50-160mm	150
100-250mm	200
100-300mm	250
160-250mm	250
250-450mm	250
450-600mm	400

Range	L
0.24-0.4"	1.57"
0.4-0.7"	4"
0.7-1.5"	6"
1.4-2.4"	6"
2-6"	6"

Bore Gauge Set With Dial Indicator



Description

- 3 gauges
- With a 0-10mm dial indicator
- WERKA test certificate
- Robust plastic case

Art No.	Incl.	Resolution	Barcode
4106-S03	18-35/35-50/50-160	0.01mm	6972727953034

Bore Gauge Set With Digital Indicator



Description

- 3 gauges
- With a 0-12.7mm digital indicator
- WERKA test certificate
- Robust plastic case

Art No.	Incl.	Resolution	Barcode
4206-S03	18-35/35-50/50-160	0.002mm	6972727953041

Bore Gauge Zero Setter

Made in Germany

Description

- Made in Germany,High quality carton
- Adjust the bore gauge to calibrated size with the setter and gauge blocks
- Carbide setting claws
- For vertical and horizontal use
- Delivery without gauge blocks



Art No.	Range	Tolerance	Barcode
4112-290	18-290mm	2μm	6972727953607
4112-510	160-510mm	2μm	6972727957070

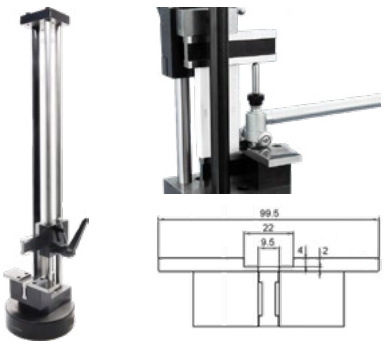
Bore Gauge Zero Setter

NEW

Description

- Used for zero setting calibration of bore gauge
- Having stable accuracy
- Standard bolcks are required for zero setting

Art.No.	Range	Barcode
4112-400	18-400 mm	6974804579137



Bore Gauge Probes



Description

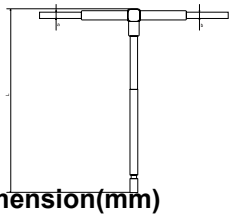
- Steel and ceramic probes available

Art.No.	Qty per set	Size(mm)	Material	Applicable bore gauge	Barcode
WP-220-BG01	9pcs	6/6.5/7/7.5/8/8.5/9/9.5/10	Steel	6-10mm	6974804571742
WP-220-BG02	9pcs	10/11/12/13/14/15/16/17/18	Steel	10-18mm	6974804571759
WP-220-BG03	9pcs	18/20/22/24/26/28/30/32/34	Steel	18-35mm	6974804571766
WP-220-BG04	4pcs	35/40/45/50	Steel	35-50mm	6974804571773
WP-220-BG05	12pcs	50/55/60/65/70/75/80/85/90/95/100/105	Steel	50-160mm	6974804571780
WP-220-BG06	5pcs	160/170/180/190/200	Steel	160-250mm	6974804571797
WP-220-BG07	5pcs	250/260/270/280/290	Steel	250-450mm	6974804571803
WP-220-BG02C	9pcs	10/11/12/13/14/15/16/17/18	Ceramic	10-18mm	6974804571810
WP-220-BG03C	9pcs	18/20/22/24/26/28/30/32/34	Ceramic	18-35mm	6974804571827
WP-220-BG04C	4pcs	35/40/45/50	Ceramic	35-50mm	6974804571834
WP-220-BG05C	12pcs	50/55/60/65/70/75/80/85/90/95/100/105	Ceramic	50-160mm	6974804571841
WP-220-BG06C	5pcs	160/170/180/190/200	Ceramic	160-250mm	6974804571858
WP-220-BG07C	5pcs	250/260/270/280/290	Ceramic	250-450mm	6974804571865



Telescoping Gauge Set





Description

- 6pcs/set,Satin chrome finish
- Suitable for quick measuring inside diameter of holes and slots width,Packed in plastic box

Art No.	Range	Gauges	Barcode
260-006	8-150mm	"8-12.7mm, 12.7-19mm, 19-32mm, 32-54mm,54-90mm, 90-150mm"	6972727950897

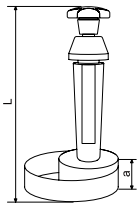
Overall Dimension(mm)

Range	L	a	b
8-12.7mm	115	4	3
12.7-19mm	115	5.3	3.9
19-32mm	115	5.3	3.8
32-54mm	137	7.6	6
54-90mm	137	7.6	6
90-150mm	137	7.6	6

Flexible Id Measuring Tape

Made in Germany





Description

- Made in Germany,With scale ring and vernier
- For profile measurement, inner diameter measurement of cylinder and oval-shaped objects
- Tape width:20mm,Reading:0.1mm
- With workshop's test certificate

Overall dimension(mm)

Range	L	a
22-40mm	167	30
35-60mm	167	30
55-100mm	167	30
95-180mm	167	30

Art No.	Range	Barcode
6605-040	22-40mm	6972727954017
6605-060	35-60mm	6972727954024
6605-100	55-100mm	6972727954031
6605-180	95-180mm	6972727954048

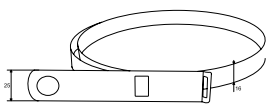
Circumference Measuring Tape

Made in Germany

Description

- Made in Germany,Stainless steel,DIN866
- For outer circumference and diameter measurement
- 0.1mm laser engraved graduation on the vernier
- Scale 1mm,Tape width:16mm, Incl. workshop's test certificatee





Art No.	Range	Barcode
6604-020	20-300/60-950mm	6972727953980
6604-300	300-700/940-2200mm	6972727953997
6604-700	700-1100/2190-3460mm	6972727954000

Digital Radius Gauge

Description

- Suitable for internal and external arc radius measurement
- Super large LCD display
- With 5 sets of measuring jaws for different arc radiuses
- Auto power off,3V CR2032 battery
- Delivered with a manual,Fancy plastic box
- Delivered with a warranty card
- ON/OFF,Reset,mm/inch,data locking, calibration,Menus



Art.No.	Range	Scale	Standard	Barcode
5124-RG1	5-910 mm	0.005 mm	Enterprise	6974804571728

DIGITAL INDICATOR

HIGH PRECISION DIGITAL INDICATOR

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HIGH PRECISION DIGITAL INDICATOR WITH BT

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HIGH PRECISION DIGITAL COMPARATOR

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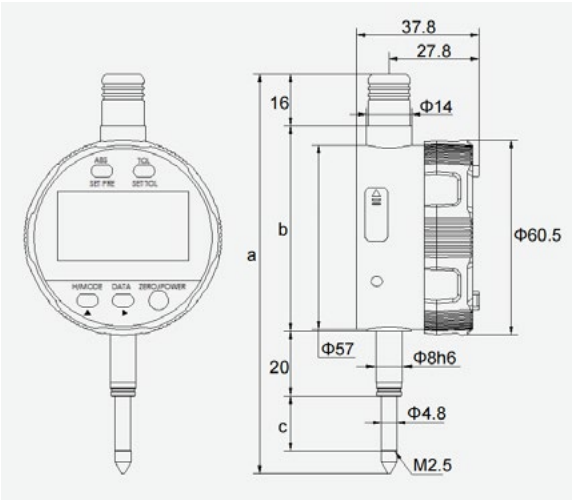
High Precision Digital Indicator With Bt





Description

- Measuring system with high precision optical linear encoder
- Built-in bluetooth 5.0 module to make wireless data transmission available
- Large color screen display， clear reading
- The cover can rotate clockwise by 0 ~180 °, and counterclockwise by -90 ~0 °
- Support USB Type-C data output and Bluetooth data output
- Resolution converting between 0.001mm and 0.0005mm
- ZERO/POWER, DATA, H/MODE, ABS/SETPRE, TOL/SET TOL Button
- Build-in 800mAh rechargeabl lithium battery
- With flat cover
- With lifting dust cap
- Delivered with an inspection report
- Prime plastic box



Overall dimension(mm)

	a	b	c
0-12.7 mm	123.7	63.5	17
0-25.4 mm	151.7	81	27.7
0-50.8 mm	222.2	126	53.2



Measurement direction
Upper limit
Lower limit
Tolerance Intervals
Data output
Battery power
Bluetooth Communicator
ABS measurment mode
Tolerance setting mode
Data hold
INCH mode
Metric mode
Max value
Min value
Max-Min value

Art.No.	Range	Reading	Indication Error	Hysterrsis Error	Net Weight	Barcode
4213-512BT	0-12.7 mm	0.0005 mm	±0.002mm	0.0015 mm	180 g	6976367674052
4213-525BT	0-25.4 mm	0.0005 mm	±0.002mm	0.0015 mm	200 g	6976367674069
4213-550BT	0-50.8 mm	0.0005 mm	±0.004mm	0.002 mm	230 g	6976367674076

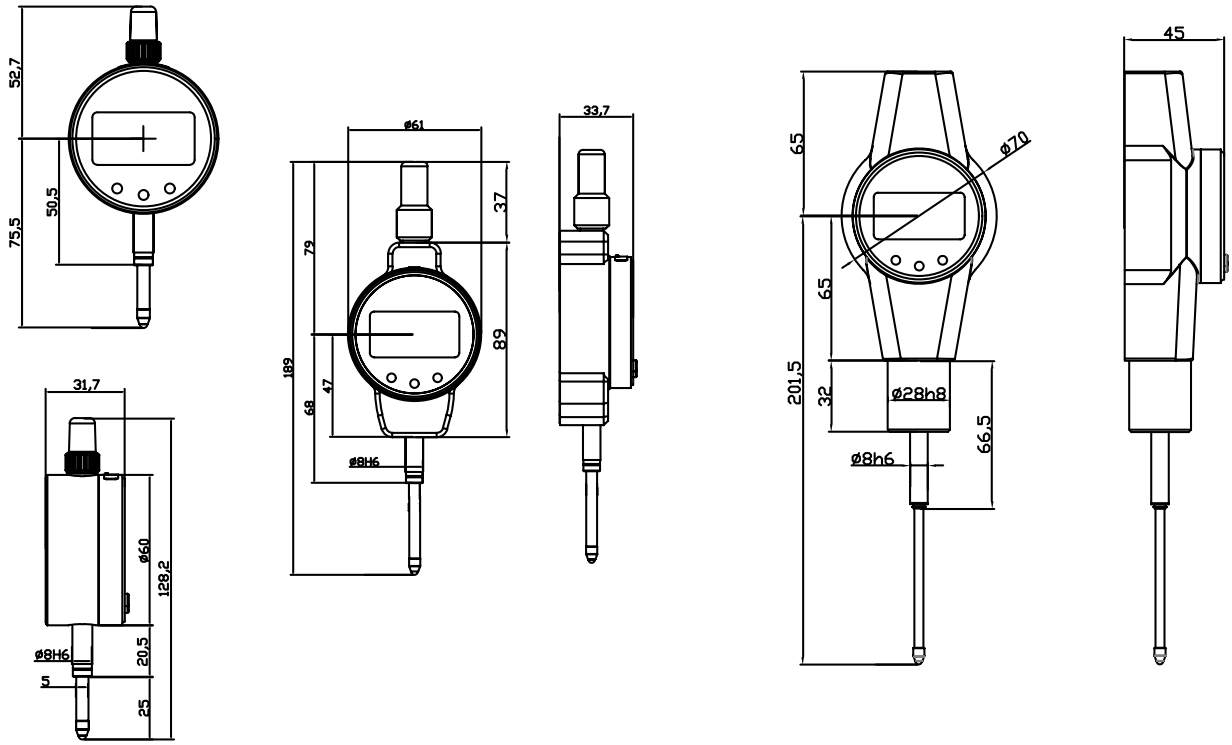
High Precision Digital Indicator

Description

- According to GB/T18761
- Large display,clear reading
- ABS encoding grating measuring sytem, up to micrometer
- With data output,Built-in rechargeable battery
- With flat cover,stem ¢ 8h6
- Adapter
- Delivered with a manual
- Delivered with an inspection report
- Fancy plastic box
- ON/FF,Reset,Data transmission



Art.No.	Range	Resolution	Accuracy	Hysteresis Error	Barcode
4207-512	0-12.7 mm	0.0005 mm	0.003 mm	0.0015 mm	6974804570479
4207-525	0-25.4 mm	0.0005 mm	0.003 mm	0.0015 mm	6974804570486
4207-550	0-50.8 mm	0.0005 mm	0.003 mm	0.0015 mm	6974804570493



High Precision Digital Indicator With Bt



Description

- According to GB/T18761
- Large display,clear reading
- ABS encoding grating measuring sytem, up to micrometer
- Built-in bluetooth 5.0 module to make wireless data transmission available
- Built-in rechargeable battery
- With flat cover,stem ¢ 8h6
- Adapter
- Delivered with a manual
- Delivered with an inspection report
- Fancy plastic box
- ON/FF,Reset,Data transmission
- Data locking,Menu modes

Menus conversion

- F0=Normal measuring mode
- F1=Relative/Absolute measuring mode
- F2=mm/inch
- F3=Preset
- F4=Extreme value measuring mode
- F5=Tolerance setting - base value
- F6=Tolerence setting - lower limit
- F7=Tolerance setting - upper limit
- F8= Counting direction setting
- F9=Auto POWER OFF setting

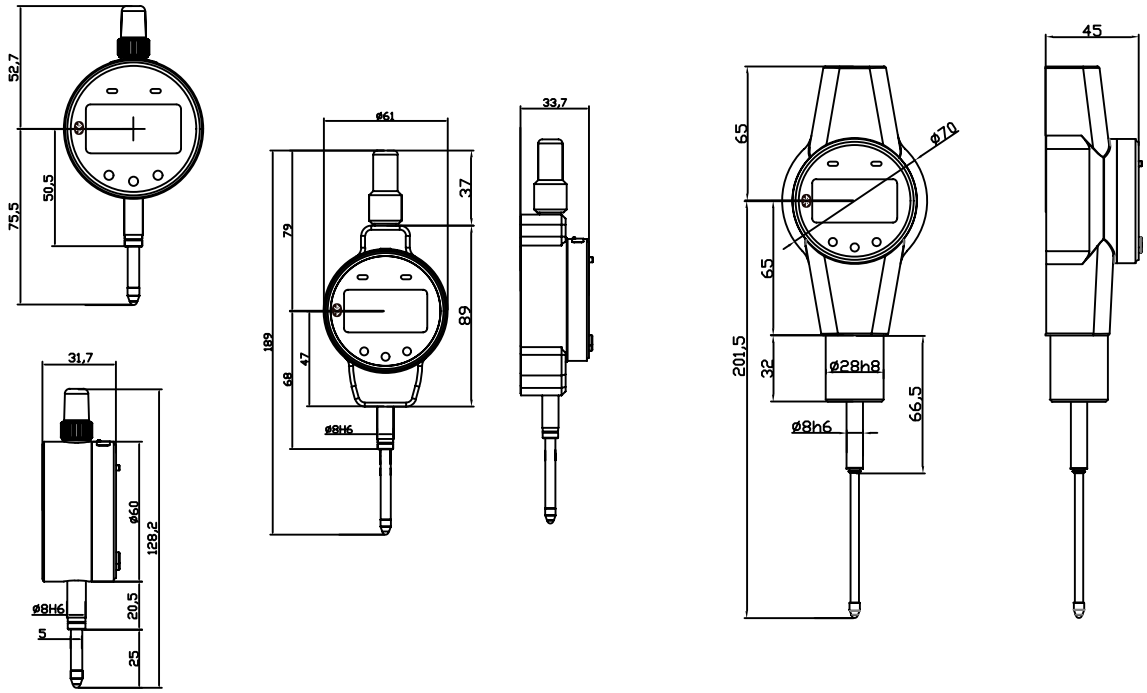
Smart software and mobile phone APP

- Easy to install
- A couple of indicators can work at the same time
- To control and operate it via APP
- To collect and analyze data via PC software
- Suitable for more application scenarios

Bluetooth

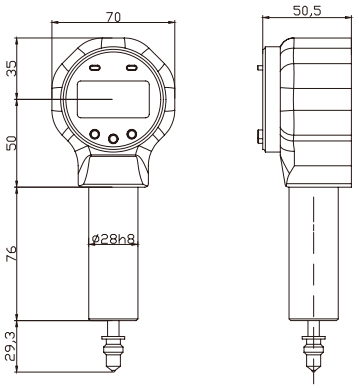
- Bluetooth 5.0
- Lower power consumption, compatible with old versions
- Wider coverage,Accurate positioning
- Transmission speed 2-4 times faster

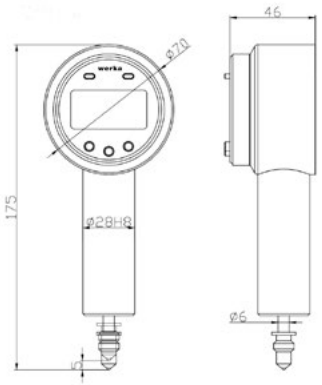
Art.No.	Range	Resolution	Accuracy	Hysteresis Error	Barcode
4208-512BT	0-12.7 mm	0.0005 mm	0.003 mm	0.0015 mm	6974804570509
4208-525BT	0-25.4 mm	0.0005 mm	0.003 mm	0.0015 mm	6974804570516
4208-550BT	0-50.8 mm	0.0005 mm	0.003 mm	0.0015 mm	6974804570523



High Precision Digital Comparator







Description

- GB/T18761 According to GB/T18761
- Large display,clear reading
- ABD encoding grating measuring sytem, up to micrometer
- (4107-051、4107-052) W/O Bluetooth module; cable connection to transmit data
- (4107-051W、4107-052W) Built-in bluetooth module to make wireless data transmission available
- Built-in rechargeable battery
- With flat cover, stem ¢ 28h8
- Adapter
- Delivered with a manual
- Delivered with an inspection report
- Fancy plastic box
- ON/FF,Reset
- Data transmission,Data locking,Menu modes

Smart software and mobile phone APP

- Easy to install
- A couple of indicators can work at the same time
- To control and operate it via APP
- To collect and analyze data via PC software
- Suitable for more application scenarios

Bluetooth

- Bluetooth 5.0
- Lower power consumption, compatible with old versions
- Wider coverage
- Transmission speed 2-4 times faster
- Accurate positioning

Menus conversion

- F0=Normal measuring mode
- F1=Relative/Absolute measuring mode
- F2=mm/inch
- F3=Preset
- F4= Extreme value measuring mode
- F5=Tolerance setting - base value
- F6=Tolerence setting - lower limit
- F7=Tolerance setting - upper limit
- F8=Counting direction setting
- F9=Auto POWER OFF setting

Art.No.	Range	Resolution	Accuracy	Hysteresis error	Barcode	
4107-051	0-5 mm	0.0001 mm	0.0005 mm	0.0002 mm	6974804573449	
4107-051W	0-5 mm	0.0001 mm	0.0005 mm	0.0002 mm	6974804573456	with bluetooth
4107-052	0-5 mm	0.0002 mm	0.0014 mm	0.0006 mm	6974804573425	
4107-052W	0-5 mm	0.0002 mm	0.0014 mm	0.0006 mm	6974804573432	with bluetooth

INDICATOR

DIAL INDICATOR

•

DIGITAL INDICATOR

•

DIAL TEST INDICATOR

•

CLAMPING HOLDER

•

THICKNESS GAUGE

•

MAGNETIC STAND

•

PRECISION COMPARATOR STAND

•

MEASURING TOOLS SET

•

WERKA DATA OUTPUT CABLES

•

•

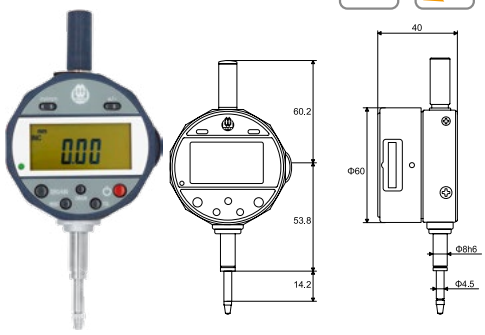
•



Digital Indicator

Description

- A green LED light turn on when the reading is within preset tolerance limits
- Absolute system with 3V battery
- Scale with glass rail for precision sampling
- Stem ø8mm h6
- Display rotatable 0-330° for easy reading at different position
- With buttons:in/mm,+/-(For measuring direction) ZERO/ABS,PRESET,ORIGIN,TOL and power
- Data output with mini USB interface
- With flat back and one lug back as accessory
- Packed in plastic box, Deliver with certificate

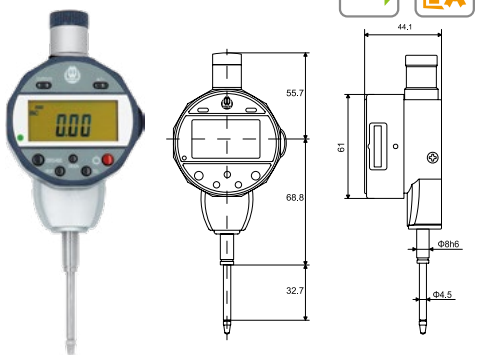


Art No.	Range	Reading	Accuracy Error	Barcode
221-8128	0-12.7mm/0-0.5"	0.01mm/0.0005"	0.01mm	6971570718128

Digital Indicator

Description

- A green LED light turn on when the reading is within preset tolerance limits
- Absolute system with 3V battery
- Scale with glass rail for precision sampling
- Stem ø8mm h6
- Display rotatable 0-330° for easy reading at different position
- With buttons:in/mm,+/-(For measuring direction) ZERO/ABS,PRESET,ORIGIN,TOL and power
- Data output with mini USB interface
- With flat back and one lug back as accessory
- Packed in plastic box, Deliver with certificate

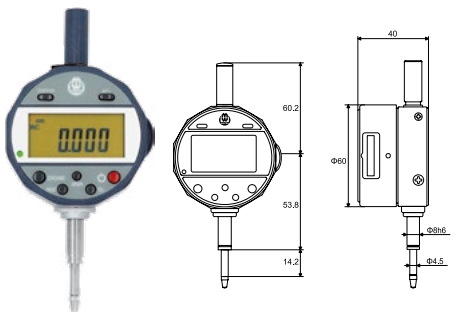


Art No.	Range	Reading	Accuracy Error	Barcode
221-8135	0-25mm/0-1"	0.01mm/0.0005"	0.01mm	6971570718135

Digital Indicator

Description

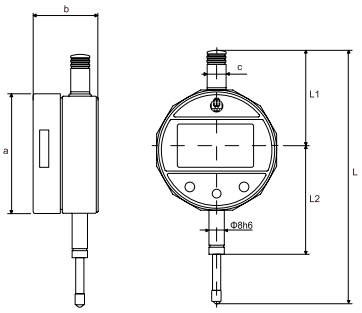
- A green LED light turn on when the reading is within preset tolerance limits
- Absolute system with 3V battery
- Scale with glass rail for precision sampling
- Stem ø8mm h6
- Display rotatable 0-330° for easy reading at different position
- With buttons:in/mm,+/-(For measuring direction) ZERO/ABS,PRESET,ORIGIN,TOL and power
- Data output with mini USB interface
- With flat back and one lug back as accessory
- Packed in plastic box, Deliver with certificate



Art No.	Range	Reading	Accuracy Error	Barcode
221-8142	0-12.7mm/0-0.5"	0.001mm/0.00005"	0.004mm	6971570718142

Digital Indicator





Description

- Large display for easy reading
- Scale with glass rail for precision sampling
- Stem ø8mm h6
- With buttons: in/mm, ABS and ZERO/ON
- Preset function
- With data output, Flat back
- Packed in plastic box with 3V CR2032 battery
- Deliver with certificate

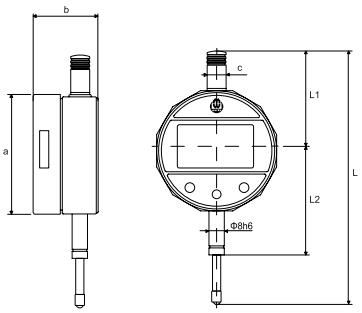
Overall Dimension(mm)

Range	L	a	b	L1	L2
0-12.7mm	125	57.4	32.4	47.7	51.5
0-25.4mm	183	57.4	34.7	68	76
0-50.8mm	247	57.4	34.7	91	99

Art No.	Range	Reading	Barcode
221-9095	0-12.7mm/0-0.5"	0.01mm/0.0005"	6971570719095
221-9101	0-25.4mm/0-1"	0.01mm/0.0005"	6971570719101
221-9118	0-50.8mm/0-2"	0.01mm/0.0005"	6971570719118
221-9125	0-12.7mm/0-0.5"	0.001mm/0.00005"	6971570719125
221-9132	0-25.4mm/0-1"	0.001mm/0.00005"	6971570719132
221-9149	0-50.8mm/0-2"	0.001mm/0.00005"	6971570719149

Digital Indicator





Description

- Large display for easy reading
- Scale with glass rail for precision sampling
- Stem ø8mm h6, With analog pointer
- Tolerance range setting, deviation judgement
- Max and Min data can be searched and stored
- Metric and inch conversion, With USB data output
- Absolute and relative measurement, data preset
- With USB data output
- Buttons: in/mm, ABS, ZERO/ON, T, M
- Packed in plastic box with 3V CR2032 battery
- Flat back, Deliver with certificate

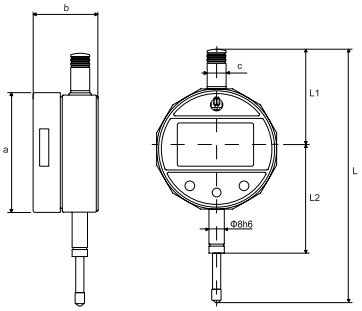
Overall Dimension(mm)

Range	L	a	b	L1	L2
0-12.7mm	125	57.4	32.4	47.7	51.5
0-25.4mm	183	57.4	34.7	68	76
0-50.8mm	247	57.4	34.7	91	99

Art No.	Range	Reading	Barcode
221-9156	0-12.7mm/0-0.5"	0.01mm/0.0005"	6971570719156
221-9163	0-25.4mm/0-1"	0.01mm/0.0005"	6971570719163
221-9170	0-50.8mm/0-2"	0.01mm/0.0005"	6971570719170
221-9187	0-12.7mm/0-0.5"	0.001mm/0.00005"	6971570719187
221-9194	0-25.4mm/0-1"	0.001mm/0.00005"	6971570719194
221-9200	0-50.8mm/0-2"	0.001mm/0.00005"	6971570719200

Digital Indicator For Bore Gauge





Description

- Designed specially for bore gauges, With analog pointer
- Scale with glass rail for precision sampling
- Min data searched and stored
- Buttons:START, ABS, ZERO/ON, CAL, M
- With USB data output, Flat back
- Packed in plastic box with 3V CR2032 battery
- Deliver with certificate

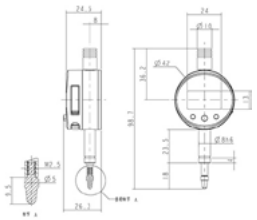
Overall Dimension(mm)

Range	L	a	b	L1	L2
0-12.7mm	125	57.4	32.4	47.7	51.5
0-12.7mm	125	57.4	32.4	47.7	51.5

Art No.	Range	Reading	Barcode
221-9217	0-12.7mm	0.002mm	6971570719217
221-9224	0-12.7mm	0.001mm	6971570719224

Digital Indicator





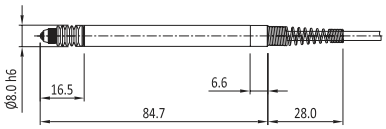
Description

- Pocket design, suitable for use in space limited environments
- Glass capacitive grid sensor system
- ABS absolute/relative measurement function
- mm/inch convertion
- With automatic power off
- With standard data interface
- 3V battery
- Delivery with inspection report
- Packed in plastic box

Art.No.	Range	Reading	Indication Error	Standard	Barcode
4212-05	0-5 mm	0.01mm	0.02mm	Enterprise	6976367672607
4212-05M	0-5 mm	0.001mm	0.004mm	Enterprise	6974804579762

Electronic Probe





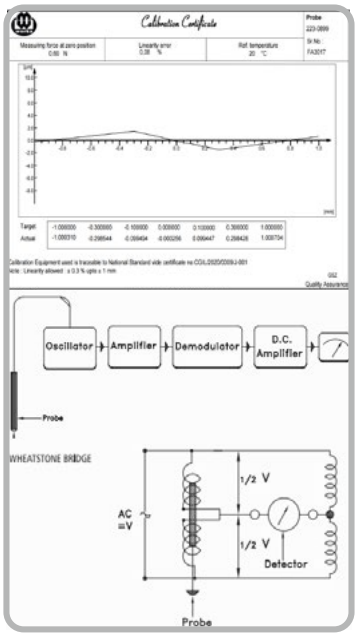
Description

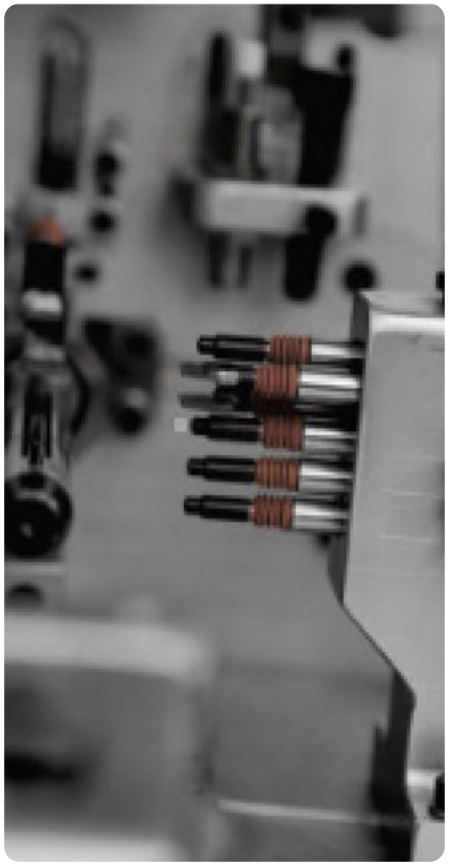
- Suitable for such sectors as manufacturing, automotive, semiconductor and printing
- Manufacturing sector: Equipment assembly and fitness measurement,workpiece chuck position measurement
- Metal processing:Bearing assembly measurement, online inspection for parts etc.
- Autmobile parts: flatness inspection for engine cylinders,vibration testing for camshafts etc.
- Semiconductor: flatness inspection for LCD panels,wafer thickness testing etc.
- Hardened and ground stainless steel, Dia.8h6
- Hard carbide tips
- With cable supporting spring
- Delivered with an inspection report, Plastic box

Art.No.	***223-0899***
Bar code	***6974804570899***
Range	***±1 mm***
Linearity	***±0.3%***
Repeatability	***0.02μm***
Measuring force	***0.6 N***
Protection	***IP64***
Cable	***2 m***
Connector	***5PINs***
Total length	***112 mm***
Contact tip	***Tungsen carbide ball,Diaφ3mm - Thread M2.5***

Feature

- High precision operation guaranteed for all the range
- Capable of resisting water,dust and oil in various applications
- Hard tips,more durable.Easy to fit and use.

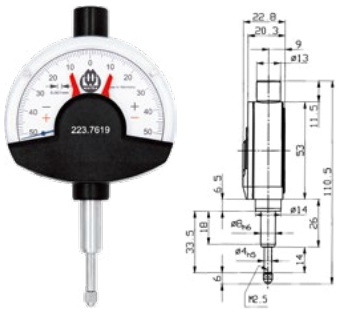








Mechanical Dial Comparator

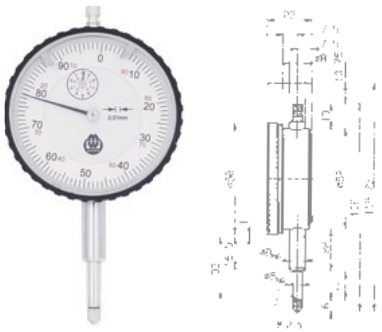


Description

- Made in Germany Jeweled and shockproof
- Sturdy housing with stable plastic cover
- Inside Tolerance markers; fine adjustment
- Designed to check parallelism, smoothness and through running
- Stem ø8mm h6,Contact point M2.5
- Deliver with certificate,
- Packed in plastic box

Art No.	Range	Reading	Barcode
223-7619	0.1(±0.05)mm	0.001mm	6971570717619

Precision Dial Indicator

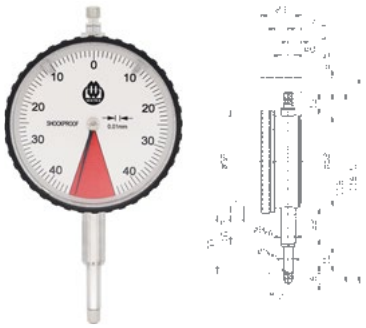


Description

- DIN878
- Metal housing
- Metal outer ring, adjustable tolerance fingers
- 8mm h6 lower casing
- Black flat cover
- Optional standard and shock-proof types
- Incl. test certificate

Art No.	Range	Reading	Diameter	Barcode	Remarks
4110-10	0-10mm	0.01mm	58mm	6972727953492	
4110-10A	0-10mm	0.01mm	58mm	6972727953508	Shock-proof

Single-Lap Dial Indicator

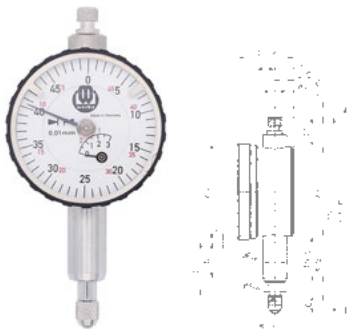


Description

- DIN878
- Metal housing
- Actual range smaller than the circumference to avoid reading error
- Metal outer ring, adjustable tolerance fingers
- 8mm h6 lower casing
- Black flat cover
- Incl. test certificate

Art No.	Range	Reading	Diameter	Barcode
4111-008	0-0.8mm	0.01mm	58mm	6972727953515

Small Dial Indicator



Description

- Made in Germany
- DIN878
- Metal housing
- Metal outer ring, adjustable tolerance fingers
- 8mm h6 lower casing
- Black flat cover
- Mini type, small diameter dial
- Incl. test certificate

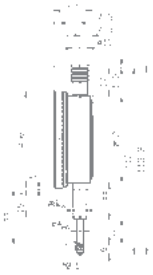
Art No.	Range	Reading	Diameter	Barcode
220-10013	0-3mm	0.01mm	32mm	6972727957773

Shock-Proof Dial Indicator

Description

- Made in Germany
- DIN EN ISO463
- Shock-proof
- Metal housing
- Metal outer ring, adjustable tolerance fingers
- 8mm h6 lower casing
- Black flat cover
- Incl. test certificate





Art No.	Range	Reading	Diameter	Barcode
220-10053	0-1mm	0.001mm	58mm	6972727957766

Oil/Water Proof Dial Indicator

Description

- Made in Germany
- DIN 878
- IP67: dust proof, oil and water proof
- Metal housing
- Metal outer ring, adjustable tolerance fingers
- 8mm h6 lower casing
- Black flat cover
- Incl. test certificate





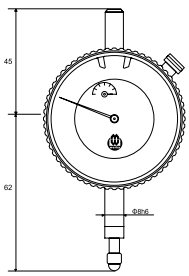
Art No.	Range	Reading	Diameter	Barcode
220-10127	0-10mm	0.01mm	61.5mm	6972727957780

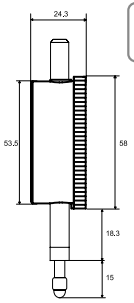
Precision Dial Indicator

Description

- Reading 0.001mm
- Metal casing
- Inside Tolerance markers
- Stem ø8mm h6
- With flat back (Back with lug available on request)
- Conforms to manufacturer standard
- Packed in cardbox
- Deliver with certificate







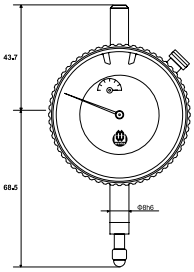
Art No.	Range	Reading	Bezel Dia.	Barcode
220-6957	0-1mm	0.001mm	58mm	6971570716957

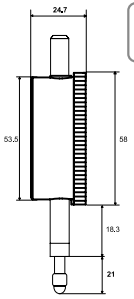
Dial Indicator

Description

- DIN878
- Metal casing
- Inside Tolerance markers
- Stem ø8mm h6
- Normal model or shock proof model available
- With flat back and one lug back as accessory
- Packed in cardbox
- Deliver with certificate







Art No.	Range	Reading	Remark	Bezel Dia.	Barcode
220-6964	0-10mm	0.01mm	normal	58mm	6971570716964
220-6971	0-10mm	0.01mm	shockproof	58mm	6971570716971

Dial Indicator

Description

- Economic type
- Metal casing
- Inside Tolerance markers
- Stem ø8mm h6
- With flat back and one lug back as accessory
- Deliver with certificate



Art No.	Range	Reading	Bezel Dia.	Barcode
4101-15E	0-10mm	0.01mm	58mm	6974804571476

Dial Indicator

Description

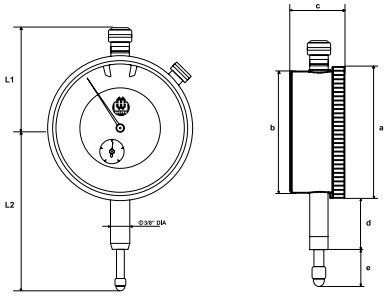
- DIN878
- Metal casing
- Stem φ8mm h6
- Inside tolerance markers
- With flat back
- Packed in cardbox
- Deliver with certificate



Art No.	Range	Reading	Bezel Dia.	Barcode
220-9231	0-5mm	0.01mm	42mm	6971570719231

Inch Dial Indicator





Description

- Aluminum casing
- Lifting screw with cushion rubber
- Inside Tolerance markers
- Stem ø3/8"
- With lug back
- Packed in cardbox
- Deliver with certificate

Overall Dimension(mm)

Range	a	b	c	d	e	L1	L2
0-0.5"	2.28"	2.11"	0.96"	0.69"	0.91"	1.48"	2.74"
0-1"	2.28"	2.11"	0.96"	0.69"	1.38"	1.48"	3.21"

Art No.	Range	Reading	Barcode
220-7008	0-0.5"inch	0.001"inch	6971570717008
220-7015	0-1"inch	0.001"inch	6971570717015
220-7022	0-0.5"inch	0.0005"inch	6971570717022
220-7039	0-1"inch	0.0005"inch	6971570717039

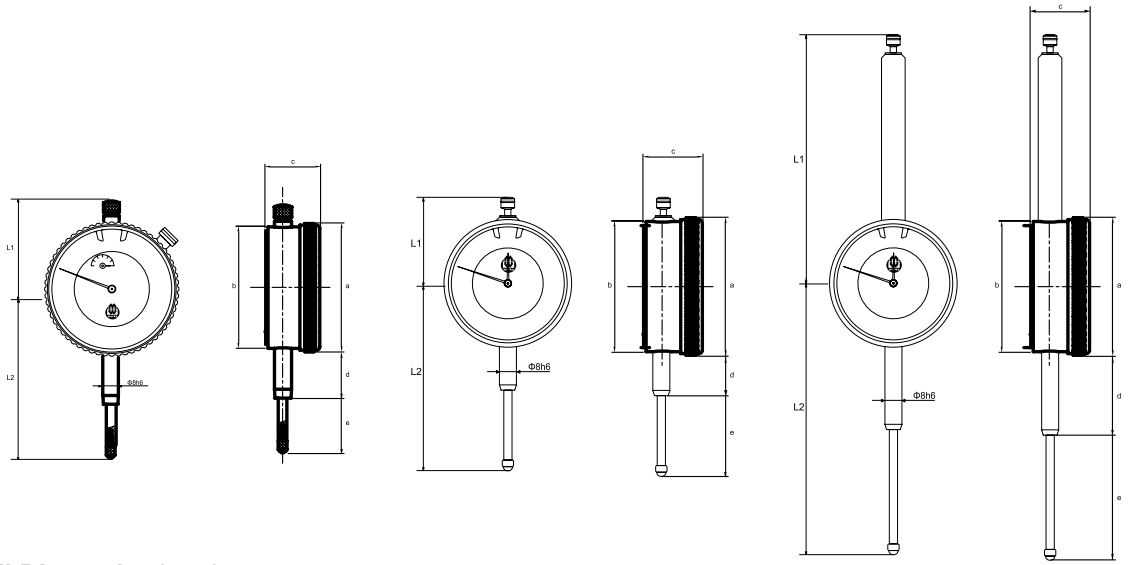
Dial Indicator



Description

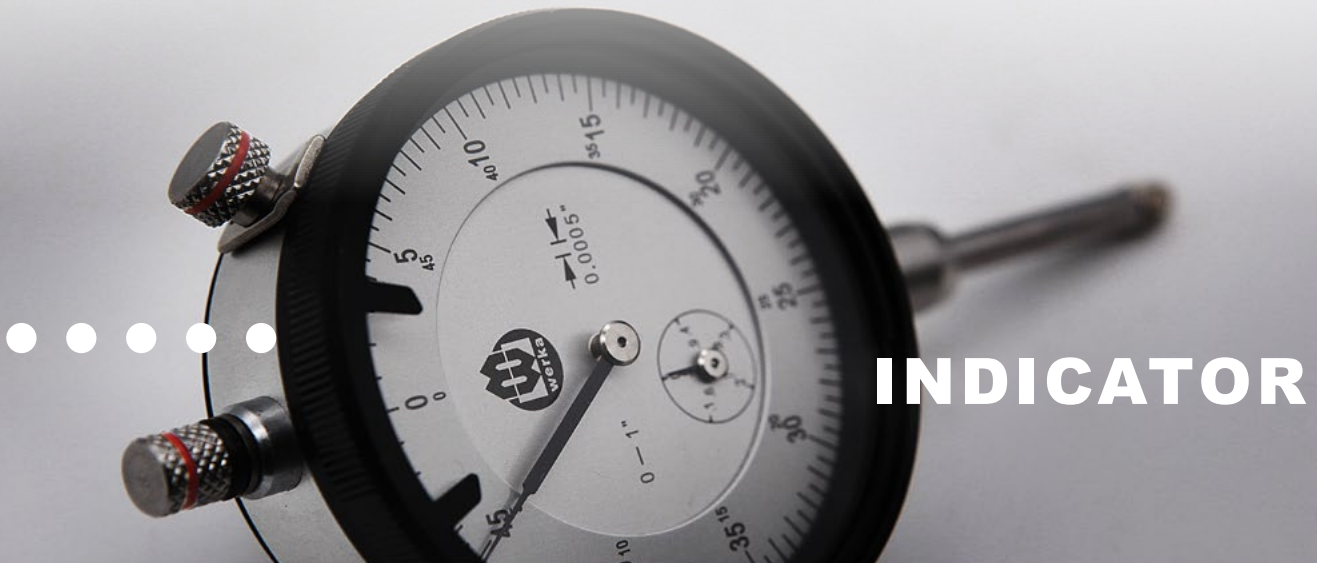
- Metal casing
- Inside Tolerance markers
- Stem ø8mm h6
- With flat back (Back with lug available on request)
- Conforms to manufacturer standard
- Packed in cardbox
- Deliver with certificate

Art No.	Range	Reading	Bezel Dia.	Stem Dia.	Barcode	Remark
220-8879	0-20mm	0.01mm	58mm	8mm	6972727958879	
220-6988	0-30mm	0.01mm	58mm	8mm	6971570716988	
220-6995	0-50mm	0.01mm	58mm	8mm	6971570716995	
4102-100	0-100 mm	0.01 mm	80 mm	8mm	6976367674267	New



Overall Dimension(mm)

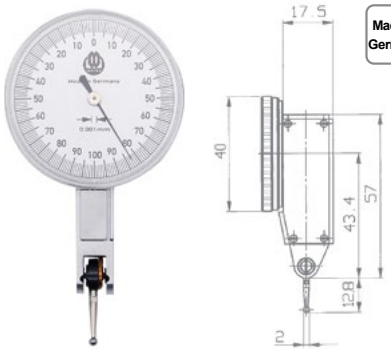
Art No.	Range	a	b	c	d	e	L1	L2
220-8879	0-20mm	58	55	25	22.5	29	39	80.5
220-6988	0-30mm	58	53.5	27.2	19.5	40.9	37.5	89.5
220-6995	0-50mm	58	53.5	27.2	39.5	57.7	108.3	126.2



Dial Test Indicator

Description

- With high sensitivity and high precision for professional use or higher requirements of concentricity and runout
- Made in Germany,DIN 2270
- IP53: water-proof plastic casing
- Solid brass housing, highly anti-magnetic
- Probe turning angle:240°,Probe length:12.8mm
- Attachment: a 8mm clamp holder, a spanner (for probe replacement)
- Bidirectional measurements, Incl. test certificate



Art No.	Range	Reading	Diameter	Barcode
223-30078	0-0.2mm	0.001mm	40mm	6972727957742

Diamagnetic Probe

- Resist magnetic
- Special stainless steel rod, ruby ball



Art.No.	Size	Thread	Used for..
WP-223-30025-01R	Ø 2x12.8 mm	M1.6	For dial test indicator 223-30025, 223-30078, 223-30040

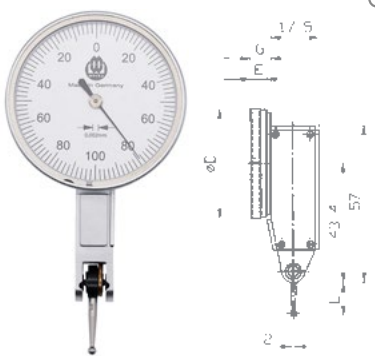
Dial Test Indicator

Description

- With high sensitivity and high precision for professional use or higher requirements of concentricity and runout
- Made in Germany,DIN 2270
- Solid brass housing, highly anti-magnetic
- Bidirectional measurements,Incl. test certificate
- Probe turning angle:240°,Probe length:12.8mm
- Attachment: a 8mm clamp holder, a spanner (for probe replacement)

Overall Dimension(mm)

G	E	L	D
7.5	6.0	12	40



Art No.	Range	Reading	Diameter	Barcode
223-30040	0-0.2mm	0.002mm	40mm	6972727957759

Diamagnetic Probe

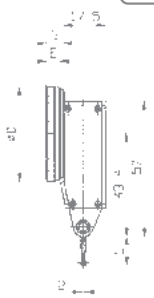
- Resist magnetic
- Special stainless steel rod, ruby ball



Art.No.	Size	Thread	Used for..
WP-223-30025-01R	Ø 2x12.8 mm	M1.6	For dial test indicator 223-30025, 223-30078, 223-30040

Dial Test Indicator





Description

- Made in Germany,DIN 2270,With shock absorbing mechanism
- Solid brass housing, highly anti-magnetic
- Bidirectional measurements
- Probe turning angle:240°,Probe length:35.7mm
- Attachment:a 8mm clamp holder,a spanner(for probe replacement)
- Black flat cover,Incl. test certificate

Overall Dimension(mm)

G	E	L	D
7.1	5.6	12	32

Art No.	Range	Reading	Diameter	Barcode
223-30025	0-0.8mm	0.01mm	32mm	6972727957728

Diamagnetic Probe

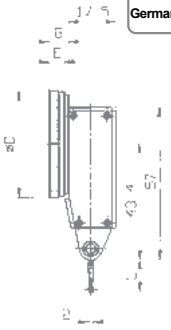


- Resist magnetic
- Special stainless steel rod, ruby ball

Art.No.	Size	Thread	Used for..
WP-223-30025-01R	Ø 2x12.8 mm	M1.6	For dial test indicator 223-30025, 223-30078, 223-30040

Long Probe Dial Test Indicator





Description

- Made in Germany,DIN 2270,With shock absorbing mechanism
- Solid brass housing, highly anti-magnetic
- Probe turning angle:240°,Probe length:35.7mm
- Attachment:a 8mm clamp holder, a spanner(for probe replacement)
- Bidirectional measurements,Incl. test certificate

Overall Dimension(mm)

G	E	L	D
7.1	5.6	35	32

Art No.	Range	Reading	Diameter	Barcode
223-30028	0-0.5mm	0.01mm	32mm	6972727957735

Diamagnetic Probe

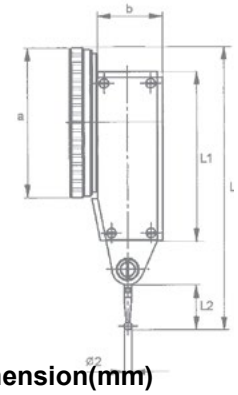


- Resist magnetic
- Special stainless steel rod, ruby ball

Art.No.	Size	Thread	Used for..
WP-223-30028-01R	Ø 2x35.7 mm	M1.6	For dial test indicator 223-30028

Dial Test Indicators





Description

- High performance of magnetic proof because of high quality brass main body
- Jeweled bearing for high sensitivity and long life
- Carbide contact point ø2mm for long life
- 230° big turning range of stylus
- Total 3 dovetails for fixing attachments
- Supply with accessories: clamping stems ø6mm and ø8mm
- Packed in card box,Deliver with certificate

Overall Dimension(mm)

Range	L	a	b	L1	L2
0-0.8mm	72.8	30	18.5	48	12.5
0-0.8mm	72.8	37.5	18.5	48	12.5
0-0.2mm	72.8	37.5	18.5	48	12
0-0.8mm	72.8	37.5	18.5	48	42.4

Art No.	Range	Reading	Dia Of Dial Ring	Length Of Stylus	Barcode
220-7046	0-0.8mm	0.01mm	30mm	16.5mm	6971570717046
220-7053	0-0.8mm	0.01mm	37.5mm	16.5mm	6971570717053
220-7060	0-0.2mm	0.002mm	37.5mm	16mm	6971570717060
4104-28	0-0.8mm	0.01mm	37.5mm	46.4mm	6972727951542

Diamagnetic Probe





- Resist magnetic
- Special stainless steel rod, ruby ball

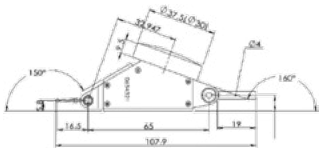
Art.No.	Size	Thread	Used for..
WP-220-CK010	Ø 2x13.5 mm	M1.6	For dial test indicator 220-7046, 220-7053
WP-220-CK011	Ø 2x16.8 mm	M1.6	For dial test indicator 220-7060
WP-4104-05R-DM	Ø 2x27.4 mm	M1.6	For dial test indicator 4104-28
WP-4104-07R-DM	Ø 2x46.4 mm	M1.6	For dial test indicator 4104-28

Large Range Dial Test Indicator

Description

- High performance of magnetic proof because of high quality brass main body
- Jeweled bearing for high sensitivity and long life
- With 2mm carbide contact point
- With 2 dovetails and 4mm fixing rod
- Deliver with certificate
- Packed in plastic box

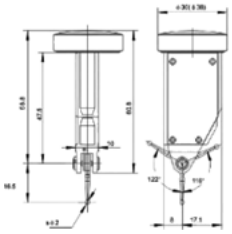




Art.No.	Range	Reading	Dia of dial ring	Barcode
4113-016	0-1.6 mm	0.01 mm	37.5 mm	6976367673154

Vertical Dial Test Indicator





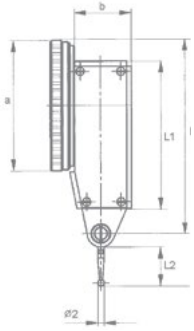
Description

- High performance of magnetic proof because of high quality brass main body
- Jeweled bearing for high sensitivity and long life
- With 2mm carbide contact point
- With 2 fixing dovetails
- Deliver with certificate
- Packed in plastic box

Art.No.	Range	Reading	Dia of dial ring	Barcode
4113-008VE	0-0.8 mm	0.01 mm	37.5 mm	6976367673161

Dial Test Indicators





Description

- High performance of magnetic proof because of high quality brass main body
- Jeweled bearing for high sensitivity and long life
- Carbide contact point ø0.08" for long life
- 230° big turning range of stylus
- Total 3 dovetails for fixing attachments
- Supply with accessories: clamping stems ø1/4" and ø3/8"
- Packed in card box,Deliver with certificate

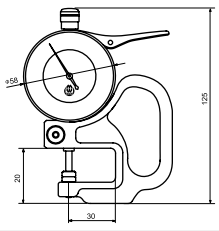
Overall Dimension(mm)

Range	L	a	b	L1	L2
0-0.03"	1.89"	1.18"	0.71"	1.73"	0.35"
0-0.008"	1.89"	1.48"	0.71"	1.73"	0.35"

Art No.	Range	Reading	Dia Of Dial Ring	Length Of Stylus	Barcode
220-7077	0-0.03"inch	0.001"inch	1.18"inch	0.62"inch	6971570717077
220-7084	0-0.03"inch	0.001"inch	1.48"inch	0.62"inch	6971570717084
220-7091	0-0.03"inch	0.0005"inch	1.48"inch	0.62"inch	6971570717091
220-7107	0-0.008"inch	0.0001"inch	1.48"inch	0.64"inch	6971570717107

Thickness Gauge





Description

- The measuring depth: 30mm
- With standard dial indicator
- Ceramic contact point and anvil ø 10mm
- Packed in card box

Art No.	Range	Reading	Barcode
220-7268	0-10mm	0.01mm	6971570717268
220-7275	0-0.5"(inch)	0.0005"(inch)	6971570717275

Thickness Gauge



Description

- Light weight easy for carrying
- Suitable for measuring small workpieces
- Flat contact point and anvil

Art No.	Range	Reading	Accuracy error	Measuring depth	Barcode
220-0248	0-10mm	0.05mm	±0.05mm	20mm	6972727950248

Thickness Gauge



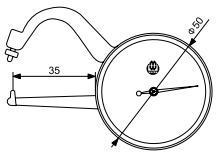
Description

- Light weight easy for carrying
- Suitable for measuring thickness of the pipe

Art No.	Range	Reading	Accuracy error	Measuring depth	Barcode
220-0255	0-10mm	0.05mm	±0.05mm	20mm	6972727950255

Thickness Gauge



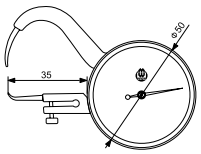


Art No.	Range	Reading	Accuracy error	Barcode
220-0262	0-10mm	0.05mm	±0.1mm	6972727950262



Art No.	Range	Reading	Accuracy error	Barcode
220-0238	0-10 mm	0.05 mm	±0.1mm	6976367670238





Description

- Pointed tips fit into small grooves and recesses

Art No.	Range	Reading	Accuracy error	Barcode
220-0279	0-10mm	0.05mm	±0.1mm	6972727950279

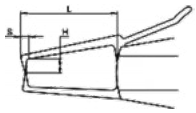
External Dial Snap Gauge

NEW

Description

- Used to measure the groove size of workpieces
- Packed in plastic box





Overall dimension(mm)

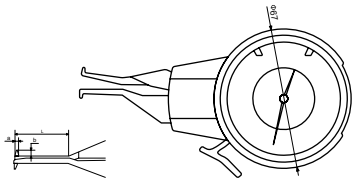
Range	S	H	L
0-20 mm	6.5	25	80
10-30 mm	6.5	25	80
20-40 mm	6.5	25	80
30-50 mm	6.5	25	80
40-60 mm	6.5	25	80

Art.No.	Range	Reading	Accuracy Error	Barcode
4313-020A-20	0-20 mm	0.01 mm	0.03 mm	6976367673178
4313-030A-20	10-30 mm	0.01 mm	0.03 mm	6976367673185
4313-040A-20	20-40 mm	0.01 mm	0.03 mm	6976367673192
4313-050A-20	30-50 mm	0.01 mm	0.03 mm	6976367673208
4313-060A-20	40-60 mm	0.01 mm	0.03 mm	6976367673215

Internal Dial Snap Gauge

NEW





Description

- Suitable for ID and inside groove measurement

Overall Dimension(mm)

Range	L	a	b
5-15mm	20	1	1.5
5-25mm	35	1	1.5
10-30mm	55	2	3.5
20-40mm	80	3	6.5
30-50mm	80	3	8.5
40-60mm	80	3	8.5

Art No.	Range	Reading	Indication Error	Standard	Barcode
4312-015	5-15 mm	0.01mm	0.03mm	Enterprise	6974804571650
4312-025	5-25 mm	0.01mm	0.03mm	Enterprise	6974804571667
4312-030	10-30 mm	0.01mm	0.03mm	Enterprise	6974804571674
4312-040	20-40 mm	0.01mm	0.03mm	Enterprise	6974804571681
4312-050	30-50 mm	0.01mm	0.03mm	Enterprise	6974804571698
4312-060	40-60 mm	0.01mm	0.03mm	Enterprise	6974804571704

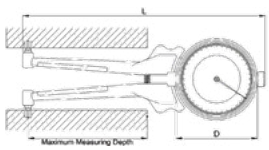
Inside Caliper With Interchangeable Anvils

NEW

Description

- Used to measure the dimensions of internal holes and grooves in workpieces
- The measuring head can be replaced
- Packed in plastic box

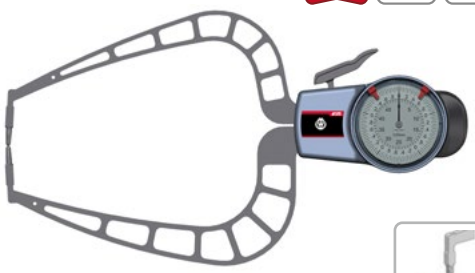




Art.No.	Range	Reading	Accuracy Error	Measuring Depth(L)	Barcode
4316-023	5-23 mm	0.01 mm	0.02 mm	20 mm	6976367673222
4316-035	20-35 mm	0.01 mm	0.02 mm	70 mm	6976367673239
4316-062	30-62 mm	0.01 mm	0.02 mm	75 mm	6976367673246
4316-153	55-153 mm	0.01 mm	0.02 mm	90 mm	6976367673253

External Dial Caliper







Description

- Used to measure the diameter of the workpiece, groove size, and narrow space size
- IP65 protection, water and dust resistant
- With tolerance indicator

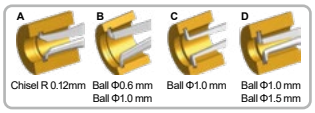
Art.No.	Range	Reading	Accuracy error	Repeatability	Measuring depth(L)	Net Weight	Barcode
4310-010	0-10 mm	0.005 mm	±0.015 mm	0.005 mm	35 mm	170 g	6976367673260
4310-020	0-20 mm	0.01 mm	±0.03 mm	0.01 mm	85 mm	210 g	6976367673277
4310-050	0-50 mm	0.05 mm	±0.05 mm	0.025 mm	167 mm	430 g	6976367673284

Internal Dial Caliper





Description



- Used to measure the inner size, inner groove, and narrow space size of workpieces
- IP65 protection, water and dust resistant
- With tolerance indicator

Art.No.	Range	Reading	Accuracy error	Repeatability	Measuring depth(L)	Net weight	Measuring tips	Barcode
4309-012	2.5-12.5 mm	0.005 mm	±0.015 mm	0.005 mm	12 mm	155 g	A	6976367673307
4309-015	5-15 mm	0.005 mm	±0.015 mm	0.005 mm	35 mm	160 g	B 0.6	6976367673314
4309-030	10-30 mm	0.01 mm	±0.03 mm	0.01 mm	85 mm	180 g	B 1.0	6976367673321
4309-050	30-50 mm	0.01 mm	±0.03 mm	0.01 mm	85 mm	185 g	C	6976367673338
4309-065	15-65 mm	0.05 mm	±0.05 mm	0.025 mm	188 mm	355 g	D 1.5	6976367673345

External Dial Caliper

Description





- Used to measure the diameter of the workpiece, groove size, and narrow space size
- IP65 protection, water and dust resistant
- Special measuring jaws, it can extend into the pipe fittings to measure thickness
- With tolerance indicator

Art.No.	Range	Reading	Accuracy error	Repeatability	Measuring depth(L)	Net Weight	Barcode
4310-020H	0-20 mm	0.01 mm	±0.03 mm	0.01 mm	80 mm	200 g	6976367673291

External Digital Caliper





Description

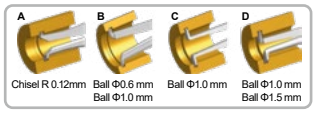
- Used to measure the diameter of the workpiece, groove size, and narrow space size
- IP67 protection, water and dust resistant
- Large digital display with analog pointer
- With tolerance indicator light
- Function buttons: Mode conversion (absolute /relative measurement), tolerance setting, mm/inch conversion, resolution conversion, on/off, min value search/data hold
- Automatic power-off, Battery AAA x2

Art.No.	Range	Reading	Accuracy error	Repeatability	Measuring depth(L)	Net Weight	Barcode
4308-010	0-10 mm	0.005 mm	±0.015 mm	0.005 mm	35 mm	260 g	6976367673352
4308-020	0-20 mm	0.01 mm	±0.03 mm	0.01 mm	85 mm	300 g	6976367673369
4308-050	0-50 mm	0.01 mm	±0.05 mm	0.03 mm	167 mm	490 g	6976367673376

External Digital Caliper



Description



- Used to measure the inner size, inner groove size, and narrow space size of workpieces
- IP67 protection, water and dust resistant
- Large digital display with analog pointer
- With tolerance indicator light
- Function buttons: Mode conversion (absolute /relative measurement), tolerance setting, mm/inch conversion, resolution conversion, on/off, min value search/data hold
- Automatic power-off, Battery AAA x2

Art.No.	Range	Reading	Accuracy error	Repeatability	Measuring depth(L)	Net Weight	Measuring tips	Barcode
4307-012	2.5-12.5 mm	0.005 mm	±0.015 mm	0.005 mm	12 mm	245 g	A	6976367673390
4307-015	5-15 mm	0.005 mm	±0.015 mm	0.005 mm	35 mm	250 g	B 0.6	6976367673406
4307-030	10-30 mm	0.01 mm	±0.03 mm	0.01 mm	85 mm	270 g	B 1.0	6976367673413
4307-050	30-50 mm	0.01 mm	±0.03 mm	0.01 mm	85 mm	275 g	C	6976367673420
4307-065	15-65 mm	0.01 mm	±0.05 mm	0.03 mm	188 mm	415 g	D 1.5	6976367673437

External Digital Caliper

Description

- Used to measure the diameter of the workpiece, groove size, and narrow space size
- Special measuring jaws, it can extend into the pipe fittings to measure thickness
- IP67 protection, water and dust resistan
- Large digital display with analog pointer
- With tolerance indicator light
- Function buttons: Mode conversion(absolute/relative measurement), tolerance setting, mm/inch conversion, resolution conversion, on/off, min value search/data hold
- Automatic power-off, Battery AAA x2

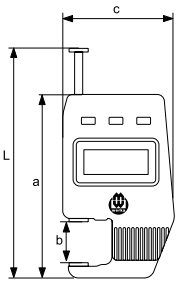




Art.No.	Range	Reading	Accuracy error	Repeatability	Measuring depth(L)	Net Weight	Barcode
4308-020H	0-20 mm	0.01 mm	±0.03 mm	0.01 mm	80 mm	290 g	6976367673383

Digital Thickness Gauge





Description

- Easy operation , light weight easy for carrying
- Suitable for measuring small workpieces
- Fuction: On/off, zero setting at any position, mm/inch
- Flat contact point and anvil
- Measuring depth 15mm,Packed in card box

Overall Dimension(mm)

Range	L	a	b	c
0-15mm	102.6	83.5	15.8	51
0-25mm	133	104	26	61

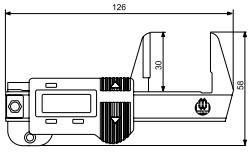
Art No.	Range	Reading	Barcode
214-8753	0-15mm/0.6"	0.01mm/0.0005"	6971570718753
214-8760	0-25mm/1"	0.01mm/0.0005"	6971570718760

Digital Thickness Gauge With Single Wide Measuring Face

Description

- Easy operation , light weight easy for carrying
- Be used for measuring small workpieces
- Power On/off, zero setting at any position, mm/inch conversion
- Packed in card box





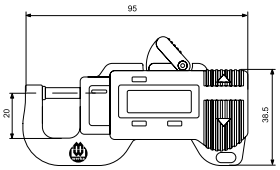
Art No.	Range	Reading	Barcode
214-8784	0-30mm/1.2"	0.01mm/0.0005"	6971570718784

Digital Thickness Gauge

Description

- Horizontal type
- Suitable for measuring thickness of jewelry, paper, leather, film, wire, metal sheet etc.
- Power On/off, zero setting at any position,mm/inch conversion
- Horizontal type,Packed in card box





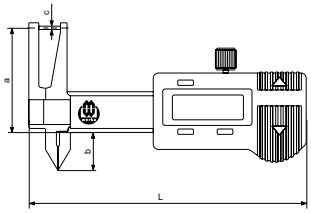
Art No.	Range	Reading	Barcode
214-8777	0-12mm/0.5"	0.01mm/0.0005"	6971570718777

Digital Thickness Gauge



Description

- Be used for measuring small workpieces
- Can measure both external and internal dimensions
- Power On/off, zero setting at any position, mm/inch conversion
- Contact pin ø1.5mm, Packed in card box



Overall Dimension(mm)

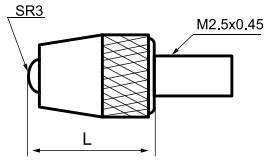
Range	L	a	b	c
0-15mm	77	33	12.5	1.5
0-25mm	87	33	12.5	1.5

Art No.	Range	Reading	Barcode
214-8791	0-15mm/0.6"	0.01mm/0.0005"	6971570718791
214-8807	0-25mm/1"	0.01mm/0.0005"	6971570718807

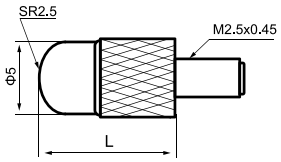
Contact Points

Description

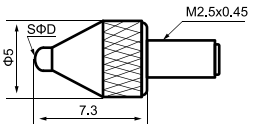
Universal contact points for dial indicators and dial tesat indicators and comparator gauge etc.



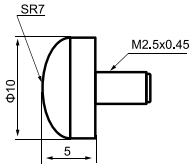
Art No.	Name of contact points	Size(L)
WP-220-CA001	sphere, carbide	7.3mm
WP-220-CA002	sphere, carbide	8.3mm
WP-220-CA003	sphere, carbide	12.1mm
WP-220-CA004	sphere, carbide	14mm
WP-220-CA005	sphere, carbide	15mm
WP-220-CA006	sphere, carbide	17mm
WP-220-CA007	sphere, carbide	19.3mm
WP-220-CA008	sphere, carbide	20mm
WP-220-CA009	sphere, carbide	22mm
WP-220-CA010	sphere, carbide	25mm
WP-220-CA011	sphere, carbide	30mm



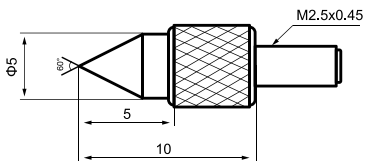
Art No.	Name of contact points	Size(L)
WP-220-CC001	shell, steel	5mm
WP-220-CC002	shell, steel	10mm
WP-220-CC003	shell, steel	15mm
WP-220-CC004	shell, steel	20mm
WP-220-CC005	shell, steel	25mm
WP-220-CC006	shell, steel	30mm



Art No.	Name of contact points	Size(D)
WP-220-CB001	sphere, steel	Φ1mm
WP-220-CB002	sphere, carbide	Φ1.5mm
WP-220-CB003	sphere, carbide	Φ1.8mm
WP-220-CB004	sphere, carbide	Φ2.5mm
WP-220-CB005	sphere, carbide	Φ4mm



Art No.	Name of contact points	Siz
WP-220-CD01	sphere, steel	Φ10mm

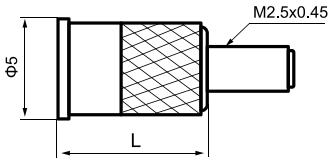


Art No.	Name of contact points	Siz
WP-220-CE01	conical, steel	10x5mm

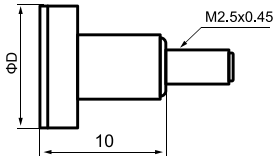
Contact Points

Description

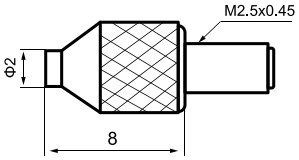
Universal contact points for dial indicators and dial test indicators and comparator gauge etc.



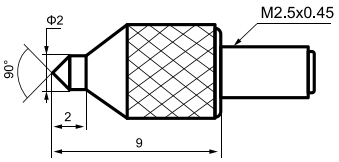
Art No.	Name of contact points	Siz(L)
WP-220-CF001	Flat, steel	8mm
WP-220-CF002	Flat, steel	10mm



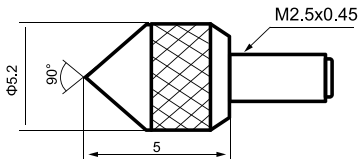
Art No.	Name of contact points	Siz(D)
WP-220-CF101	Flat, steel	Φ10mm
WP-220-CF102	Flat, steel	Φ15mm
WP-220-CF103	Flat, steel	Φ20mm
WP-220-CF104	Flat, steel	Φ25mm
WP-220-CF105	Flat, steel	Φ30mm



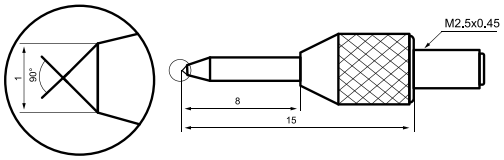
Art No.	Name of contact points	Siz
WP-220-CF201	Flat, steel	8mm



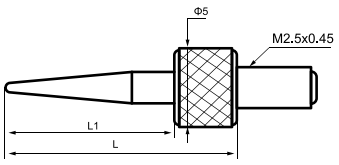
Art No.	Name of contact points	Siz
WP-220-CE02	taper, steel	9mm



Art No.	Name of contact points	Siz
WP-220-CE03	taper, steel	5mm



Art No.	Name of contact points	Siz(LxL1)
WP-220-CE04	taper, steel	15x8mm

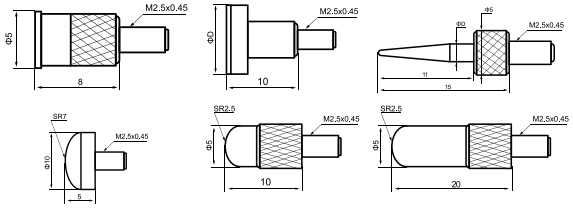


Art No.	Name of contact points	Siz(LxL1)
WP-220-CH01	taper, steel	15x11mm
WP-220-CH02	taper, steel	17x13mm
WP-220-CH03	taper, steel	25x21mm
WP-220-CH04	taper, steel	35x31mm

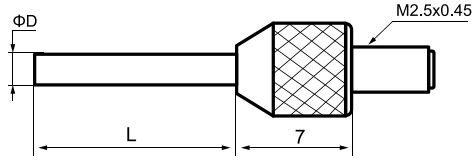
Contact Points

Description

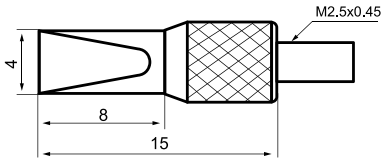
Universal contact points for dial indicators and dial test indicators and comparator gauge etc.



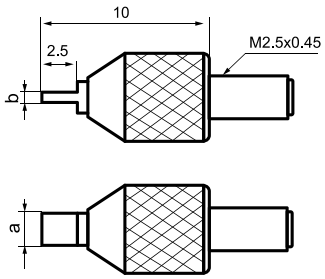
Art No.	Name	contents
WP-220-C0060	Set (6pcs)	flat 5x8mm
		flat 10x10mm
		pin 15x11mm
		sphere 10mm
		shell 5x10mm
		shell 5x20mm



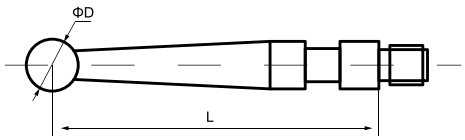
Art No.	Name	Size(DxL)
WP-220-CG001	pin, steel	0.45x3mm
WP-220-CG002	pin, steel	0.45x5mm
WP-220-CG003	pin, carbide	1x3mm
WP-220-CG004	pin, carbide	1x5mm
WP-220-CG005	pin, carbide	1x8mm
WP-220-CG006	pin, carbide	1x10mm
WP-220-CG007	pin, carbide	1x20mm
WP-220-CG008	pin, carbide	1x40mm
WP-220-CG009	pin, carbide	1.5x5mm
WP-220-CG010	pin, carbide	1.5x10mm
WP-220-CG011	pin, carbide	1.5x13mm
WP-220-CG012	pin, carbide	1.5x20mm
WP-220-CG013	pin, carbide	1.5x40mm
WP-220-CG014	pin, carbide	2x8mm
WP-220-CG015	pin, carbide	2x18mm
WP-220-CG016	pin, carbide	2x28mm
WP-220-CG017	pin, carbide	2x40mm



Art No.	Name	Size
WP-220-CJ01	knife edge, steel	15x8x4mm



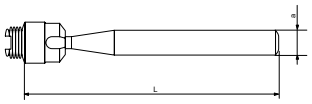
Art No.	Name	Size(axb)
WP-220-CJ02	fan, steel	0.4x2mm
WP-220-CJ03	fan, steel	0.6x2mm
WP-220-CJ04	fan, steel	1x4mm



Art No.	Name	Size(DxL)
WP-220-CK001	dial test indicator,steel	1x13.5mm
WP-220-CK002	dial test indicator,carbide	2x13.5mm
WP-220-CK003	dial test indicator,carbide	3x13.5mm
WP-220-CK004	dial test indicator,ruby	2x13.5mm
WP-220-CK005	dial test indicator,steel	1x13.5mm
WP-220-CK006	dial test indicator,carbide	2x13.5mm
WP-220-CK007	dial test indicator,carbide	3x13.5mm

Clamping Holder





Description

- For dial test indicator
- Made of steel
- Black burnished

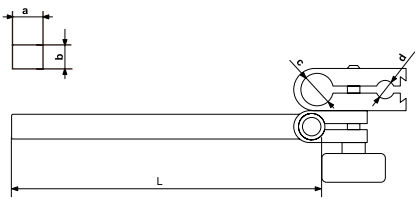
Overall Dimension(mm)

Range	L	a
8x80mm	70	8

Art No.	Size(mm)	Barcode
7126-1	φ8x80	6972727951955

Clamping Holder





Description

- For all dial indicators and for dovetails
- The dial indicator is not including
- Made of steel,black burnished
- Packed in card box

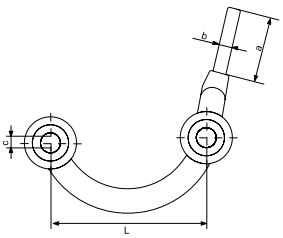
Overall Dimension(mm)

Range	L	a	b	c	d
76x12x6mm	76	16	12	8	6
3x1/2x1/4"	3"	1/2"	1/4"	1/4"	5/32"

Art No.	Size Of Shaft	Bore Size	Barcode
220-8319	76x12x6mm	ø6mm & ø8mm	6971570718319
220-8326	3"x1/2"x1/4"(inch)	ø5/32" & ø1/4" (inch)	6971570718326

Centering Holder





Description

- For dial test indicators and for dovetails
- The dial indicator is not including
- Made of steel,black burnished
- Packed in card box

Overall Dimension(mm)

Range	L	a	b	c
4x8mm	58	24	8	4
5/32x1/4"	58	24	1/4"	5/32"

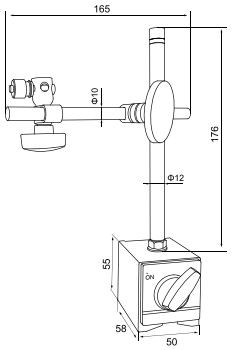
Art No.	Bore ø	Shaft ø	Barcode
220-8296	4mm	8mm	6971570718296
220-8302	5/32"	1/4"	6971570718302

Magnetic Stand

Description

- Basic style
- Blackening column, ø12x176mm + ø10x160mm
- Dial indicator shank ø8mm and ø6.5mm
- Prismatic magnetic base with on/off switch
- Packed in cardbox





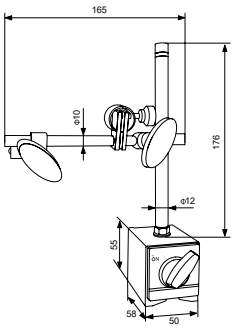
Art No.	Magnetic Force	Base(LxWxH)	Barcode	Remark
230-8159	60kg	58x50x55mm	6971570718159	
230-8802	80 Kg	58x50x55 mm	6974804578802	New

Magnetic Stand

Description

- Basic style with fine adjustment
- Blackening column, ø12x176mm + ø10x160mm
- Dial indicator shank ø8mm and ø6.5mm
- Prismatic magnetic base with on/off switch
- Packed in cardbox





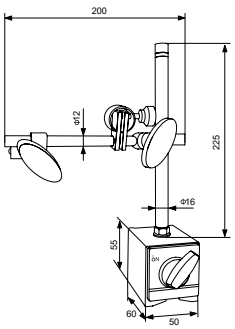
Art No.	Magnetic Force	Base(LxWxH)	Barcode
230-8166	60kg	58x50x55mm	6971570718166

Magnetic Stand

Description

- Heavy-duty model with fine adjustment
- Blackening column, ø16x225mm + ø12x190mm
- Dial indicator shank ø8mm and ø6.5mm
- Prismatic magnetic base with on/off switch
- Packed in cardbox

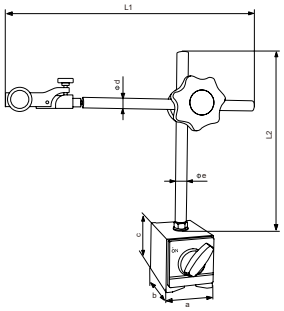




Art No.	Magnetic Force	Base(LxWxH)	Barcode
230-8173	60kg	58x50x55mm	6971570718173

Magnetic Stand





Description

- Super locking power
- For dial indicators shank φ6mm/8mm and with dovetail for dial test indicators
- With fine adjustment
- Prismatic magnetic base with ON/OFF switch(aluminium switch)
- Packed in cardbox

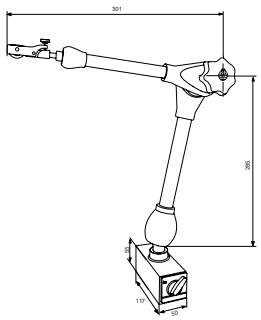
Overall Dimension(mm)

Range	a	b	c	d	e	L1	L2
60x50x55mm	50	60	55	10	12	227	175
73x50x55mm	50	73	55	16	16	262	250

Art No.	Magnetic Force	Base(Lxwxh)	Main Stem	Branch Stem	Barcode
7131-80	80Kg	60x50x55mm	12x175mm	10x165mm	6972727951870
7131-100	100Kg	73x50x55mm	16x250mm	16x200mm	6972727951887

Universal Magnetic Stand





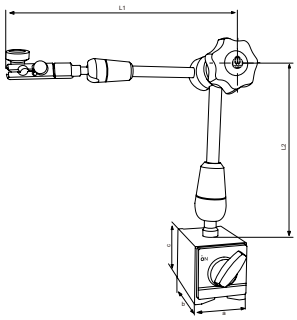
Description

- Super locking power
- For dial indicators shank φ6mm/8mm and with dovetail for dial test indicators
- With fine adjustment
- Prismatic magnetic base with ON/OFF switch (aluminium switch)
- Packed in cardbox

Art No.	Magnetic Force	Base(Lxwxh)	Arm Length	Barcode
7129-130	130Kg	117x50x55mm	635mm	6972727951849

Hydraulic Magnetic Stand





Description

- Robust hydraulic locking mechanism and adjustable oil pressure
- Blackened shank and arm
- 8mm clamping hole and dovetail with fine adjustment for dial indicators
- Prismatic base with magnetic ON/OFF switch

Overall Dimension(mm)

Range	a	b	c	L1	L2
60x50x55mm	50	60	55	195	132
73x50x55mm	50	73	55	195	132

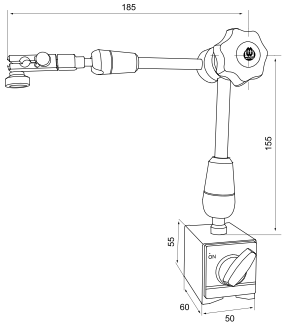
Art No.	Magnetic Force	Base Size	Arm Size	Barcode
7137-80	80Kg	60x50x55 mm	350 mm	6972727959111
7137-100	100Kg	73x50x55 mm	350 mm	6972727959128

Universal Magnetic Stand

Description

- TOP quality
- Super locking power
- Blackening arm in 255mm length
- For dial indicators shank ø8mm and with dovetail for dial test indicactors
- With fine adjustment
- Prismatic magnetic base with on/off switch
- Packed in cardbox





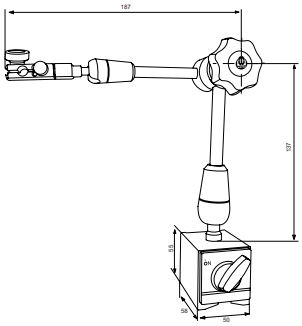
Art No.	Magnetic Force	Base(LxWxH)	Barcode
230-8197	80kg	58x50x55mm	6971570718197

Universal Magnetic Stand

Description

- With central mechanical clamping
- Chromed steel arm in 350mm length
- For dial indicators shank ø8mm and with dovetail for dial test indicators
- With fine adjustment
- Prismatic magnetic base with on/off switch
- Packed in cardbox

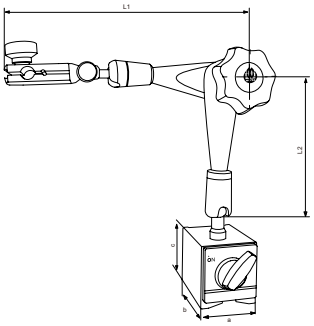




Art No.	Magnetic Force	Base(LxWxH)	Barcode
230-8180	80kg	58x50x55mm	6971570718180

Universal Magnetic Stand





Description

- Super locking power
- For dial indicators shank φ6mm/8mm and with dovetail for dial test indicators
- With fine adjustment
- Prismatic magnetic base with ON/OFF switch
- Packed in cardbox

Overall Dimension(mm)

Range	a	b	c	L1	L2
60x50x55mm	50	60	55	148	100
73x50x55mm	50	73	55	176	145
73x50x55mm	50	73	55	176	205

Art No.	Magnetic Force	Base(LxWxH)	Arm Length	Barcode
7128-80	80Kg	60x50x55mm	275mm	6972727951818
7128-100	100Kg	73x50x55mm	355mm	6972727951825
7128-101	100Kg	73x50x55mm	415mm	6972727951832

Mini Universal Magnetic Stand



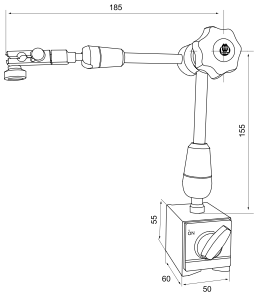
Description

- Mini type
- For dial indicators shank 8mm and with dovetail for dial test indicators
- With fine adjustment
- Prismatic magnetic base with ON/OFF switch
- Packed in cardbox

Art No.	Magnetic Force	Base(LxWxH)	Barcode
7130-30	30kg	35x30x35mm	6972727952006

Mini Universal Magnetic Stand





Description

- Mini styple
- Steel arm in 187mm length
- For dial indicators shank ø8mm and with dovetail for dial test indicactors
- With fine adjustment
- Prismatic magnetic base with on/off switch
- Packed in cardbox

Art No.	Magnetic Force	Base(LxWxH)	Barcode
230-8203	40kg	36x35x30mm	6971570718203

Magnetic Stand MINI Type



7130-20



7130-21

Description

- Suitable for measuring small working pieces or use in Confined Space
- For dial indicators shank φ8mm
- Magnetic base
- Packed in cardbox

Art No.	Magnetic Force	Base(LxWxH)	Barcode
7130-20	20Kg	73x37x12mm	6972727951856
7130-21	20Kg	73x37x12mm	6972727951863

Magnetic Base



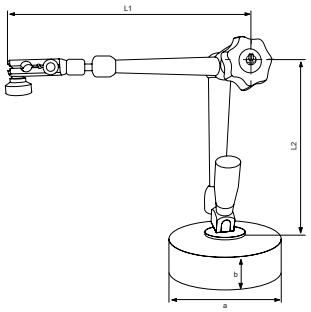
Description

- Sturdy magnetic block, with prismatic base
- With ON/OFF switch
- Hammer blow lacquered

Art No.	Magnetic Force	Base(LxWxH)	Thread	Barcode
7127-30	30Kg	35x30x35mm	M5x0.8	6972727951894
7127-40	40Kg	36x35x30mm	M6x1.0	6972727951900
7127-60	60Kg	60x50x55mm	M8x1.25	6972727951917
7127-80	80Kg	60x50x55mm	M8x1.25	6972727951924
7127-100	100Kg	73x50x55mm	M8x1.25	6972727951931
7127-130	130Kg	117x50x55mm	M8x1.25	6972727951948

Dial Support With Vacuum Base





Description

- For all kinds of measuring on granite plates
- With a powerful vacuum base holder
- Steel arm in 280mm length
- For dial indicators shank ø8mm and with dovetail for dial test indicactors
- With fine adjustment,Die casting base, Packed in cardbox

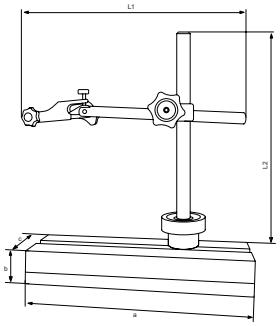
Overall Dimension(mm)

Range	a	b	L1	L2
90x25mm	90	28	163	127

Art No.	Base(Dia.xH)	Barcode
230-8210	ø90x25mm	6971570718210

Universal Dial Indicator Support





Description

- Chromed steel column,ø14x200mm +ø12x270mm
- With fine adjustment,For dial indicators shank ø8mm
- Steel base with T-groove,Packed in cardbox

Overall Dimension(mm)

Range	a	b	c	L1	L2
220x58x35mm	220	35	58	240	214

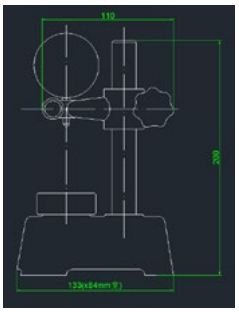
Art No.	Base(LxWxH)	Barcode
230-8227	220x58x35mm	6971570718227

Measuring Stand

Description

- Round table surface,hardened,grounded and lapped
- With fixed column ø22mm
- With mounting hole 8mm H7
- Measuring range of holder: 100mm
- Cast base,Total height 220mm,Packed in cardbox

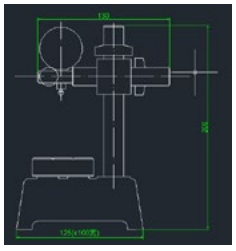


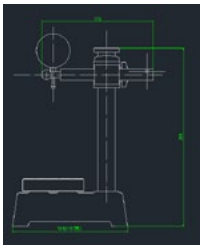


Art No.	Working Table	Flatness Of Wrking Table	Verticality Of Pillar Against Table	Barcode
236-2423	ø50mm	0.002mm	0.03mm	6971570712423

Measuring Stand







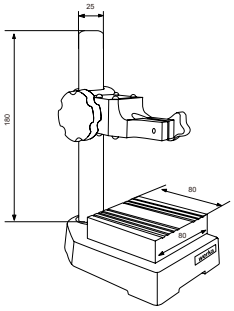
Description

- Square table surface,hardened,grounded and lapped, with dust grooves
- With mounting hole 8mm H7
- Measuring range of holder: 100mm
- Cast base,Packed in cardbox

Art No.	Working Table	Flatness Of Wrking Table	Verticality Of Pillar Against Table	Barcode
236-2430	60x68mm	0.002mm	0.03mm	6971570712430
236-2447	98x115mm	0.005mm	0.05mm	6971570712447

Precision Comparator Stand





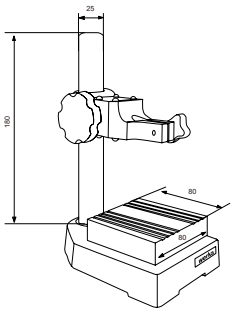
Description

- With ceramic working table
- Recision clamp with fine adjustment,range 1-1.2mm
- With φ8mm and 3/8" clamping hole
- Cast base,Packed in cardbox

Art No.	Working Table	Working table flatness	Barcode
7132-C80	80x80mm	1.5μm	6972727951979

Precision Comparator Stand





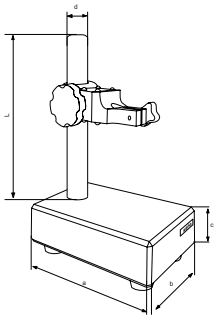
Description

- With hardened steel working table,grounded and lapped
- Precision clamp with fine adjustment,range 1-1.2mm
- With φ8mm and 3/8" clamping hole
- Cast base,Packed in cardbox

Art No.	Working Table	Flatness Of Wrking Table	Barcode
7132-80	80x80mm	1.5μm	6972727951962

Precision Comparator Stand





Description

- Measuring surface fine ground and diamond lapped
- Precision clamp with fine adjustment, range 1-1.2mm
- With φ8mm and 3/8" clamping hole
- Natural granite base,Packed in cardbox

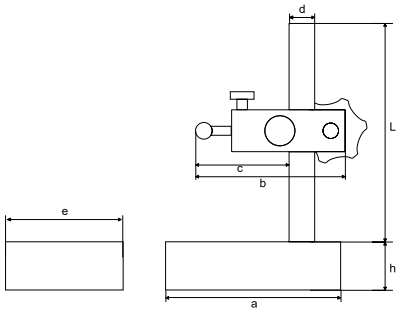
Overall Dimension(mm)

Range	L	a	b	c	d
150x100mm	180	150	100	40	25
210x150mm	180	210	150	50	25

Art No.	Working Table	Flatness Of Wrking Table	Thickness of the base	Barcode
7132-G150	150x100mm	2.0μm	40mm	6972727951986
7132-G210	210x150mm	2.5μm	50mm	6972727951993

Granite Precision Measuring Table





Description

- Natural granite table
- Finely ground measuring surface according to DIN876/00 Class
- Precise tuning device, adjustable 8mm travel
- Dial clamping hole:8mm
- Connecting thread: M8×1.25,Packaging: Carton

Overall Dimension(mm)

Range	L	a	b	c	d	e	h
150x100x40mm	180	150	121	64	22	100	40
200x150x50mm	250	200	130	80	30	150	50
300x200x50mm	300	300	152.5	97.5	35	200	50

Art No.	Size	Barcode
7132-GF150	150x100x40mm	6972727957933
7132-GF200	200x150x50mm	6972727957940
7132-GF300	300x200x50mm	6972727957957

Measuring Tools Set-3pc/Set

Description

- 3pcs/set
- Content:Vernier caliper0-150mm/0-6", reading 0.05mm/1/128",210-0016(1pc); Outside micrometer0-25mm,reading0.01mm,217-5400(1pc);90°Precision inspection beveled edge square,100x70mm,Grade 00,240-1297(1pc)
- Deliver in plastic box with inspection certificate

Art No.	Barcode
2701-3A	6972727952310



Measuring Tools Set-3pc/Set

Description

- 3pcs/set
- Content:Digital caliper 0-150mm/0-6",reading 0.01mm/0.0005",210-8814(1pc); Outside micrometer 0-25mm, reading 0.01mm,217-5400(1pc); 90° Precision inspection beveled edge square,100x70mm,Grade 00,240-1297(1pc)
- Deliver in plastic box with inspection certificate

Art No.	Barcode
2701-3B	6972727952327



Measuring Tools Set-3pc/Set

Description

- 3pcs/set
- Content:Dial caliper 0-150mm,reading 0.02mm,210-8364(1pc);Outside micrometer 0-25mm, reading 0.01mm,217-5400(1pc);90° Precision inspection beveled edge square,100x70mm,Grade 00,240-1297(1pc)
- Deliver in plastic box with inspection certificate

Art No.	Barcode
2701-3C	6972727952815



Measuring Tools Set-2pc/Set

Description

- 2pcs/set
- Content:Dial indicator 0-10mm, reading 0.01mm,220-6964(1pc); Magnetic stand,230-8166(1pc);
- Deliver in plastic box with inspection certificate

Art No.	Barcode
2701-2A	6972727952334



Measuring Tools Set-2pc/Set

Description

- 2pcs/set
- Content:Digital indicator 0-12.7mm/0-0.5", reading 0.01mm/0.0005",221-9095(1pc); Magnetic stand,230-8166(1pc);
- Deliver in plastic box with inspection certificate

Art No.	Barcode
2701-2B	6972727952341



Measuring Tools Set- 7pcs/Set



2701-7A



2701-7B



2701-7C



2701-7D

Description

- 7pcs/set
- Delivered with an inspection report
- Deliver in metal box

Art.No.	Content			Net weight	Barcode
2701-7A	Divider (257-2003)	150 mm	1pcs	2155 g	6976367674113
	Center marking gauge (250-1556)	100x70 mm	1pcs		
	Marking caliper (250-1662)	0-160 mm	1pcs		
	Protractors (242-0597)	0-180°/80x120 mm	1pcs		
	Steel ruler(241-0528)	150 mm	1pcs		
	Inspection squares with base DIN875/2(240-1136)	75x50 mm	1pcs		
	Scriber with carbide tip (254-1839)	150 mm	1pcs		

Art.No.	Content			Net weight	Barcode
2701-7B	Divider (257-2003)	150 mm	1pcs	2172 g	6976367674120
	Center marking gauge (250-1556)	100x70 mm	1pcs		
	Marking gauge (250-1600)	0-200 mm	1pcs		
	Protractors (242-0597)	0-180°/80x120 mm	1pcs		
	Steel ruler(241-0528)	150 mm	1pcs		
	Inspection squares with base DIN875/2 (240-1136)	75x50 mm	1pcs		
	Scriber with carbide tip (254-1839)	150 mm	1pcs		

Art.No.	Content			Net weight	Barcode
2701-7C	Divider (257-2003)	150 mm	1pcs	1968 g	6976367674137
	Precision vernier caliper (210-0016)	0-150x0.05 mm	1pcs		
	Outside Micrometer (217-5523)	0-25x0.01 mm	1pcs		
	Precision knife straight edges (241-1372)	100 mm	1pcs		
	Steel ruler(241-0535)	200 mm	1pcs		
	Inspection squares DIN875/2(240-1051)	75x50 mm	1pcs		
	Scriber with carbide tip (254-1839)	150 mm	1pcs		

Art.No.	Content			Net weight	Barcode
2701-7D	Divider (257-2003)	150 mm	1pcs	2004 g	6976367674144
	Digital caliper (210-9033)	0-150x0.01 mm	1pcs		
	Outside Micrometer (217-5523)	0-25x0.01 mm	1pcs		
	Precision knife straight edges (241-1372)	100 mm	1pcs		
	Steel ruler (241-0535)	200 mm	1pcs		
	Inspection squares DIN875/2(240-1051)	75x50 mm	1pcs		
	Scriber with carbide tip (254-1839)	150 mm	1pcs		

Usb Data Output Cable

Description

- Connect to USB port of computer
- Without software, measuring data can be input as keyboard signal to EXCEL,WORD...
- Press the button to input data, Packed in cardbox



Art No.	Barcode	Description
WP-DCA1	6972727950828	for digital calipers, digital micrometers, digital indicators
WP-DCA2	6972727950835	for digital indicators
WP-DCA3	6972727950842	for digital height gauge

Data Output Cable

Description

- Connect to RS232 9pin port of computer
- Supplied analog data acquisition software
- Support manual single data acquisition and automatic continuous data acquisition
- Packed in cardbox





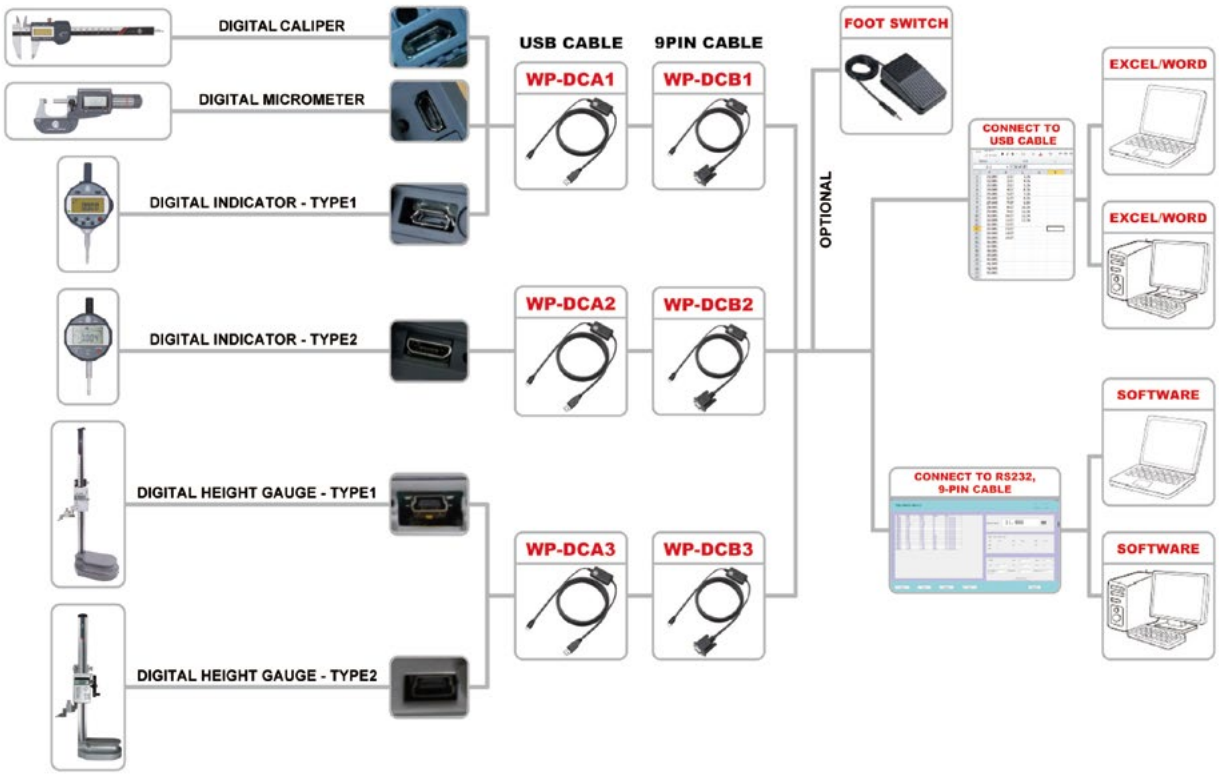
Art No.	Barcode	Description
WP-DCB1	6972727950859	for digital calipers, digital micrometers, digital indicators
WP-DCB2	6972727950866	for digital indicators
WP-DCB3	6972727950873	for digital height gauge

Foot Switch

Art No.	Barcode
WP-FS01	6972727950880



WERKA
Single Channel Data Transmission (With Cable)



ACCESSORIES FOR INSPECTION ROOM AND WORKSHOP

PRECISION GRANITE SURFACE PLATE

•

VEE BLOCK PAIRS

•

PRECISION PARALLEL SET

•

PRECISION VISES

•

EDGE FINDERS

•

ZERO SETTING GAUGE

•

•

•



Precision Granite Surface Plates

Description

- For the inspection room
- Highest quality material be selected
- Diamond-lapped measuring surfaces according to DIN876
- Extremely hard,wear resistant and acid resistant
- T-slot and dovetail slot on granite plate according to requirement
- Delivery with workshop calibration certificate



Grade 00			
Art No.	Size (LxWxH)	Accuracy error	Barcode
238-4953	300x300x100mm	2.8μm	6971570714953
238-4960	400x400x100mm	3.1μm	6971570714960
238-4977	600x450x100mm	3.5μm	6971570714977
238-4984	750x500x130mm	3.8μm	6971570714984
238-4991	1000x750x150mm	4.5μm	6971570714991

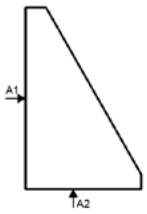
Grade 0			
Art No.	Size (LxWxH)	Accuracy error	Barcode
7400-033-0	300x300x100mm	5.7μm	6972727950934
7400-044-0	400x400x100mm	6.3μm	6972727950941
7400-064-0	600x450x100mm	7.0μm	6972727950958
7400-075-0	750x500x130mm	7.6μm	6972727950965
7400-107-0	1000x750x150mm	9.0μm	6972727950972

Granite Master Square 90°

Description

- Measuring face accuracy according to grade 00
- 90° Angle
- Wear-resistant, acid-resistant
- Delivered with an inspection report





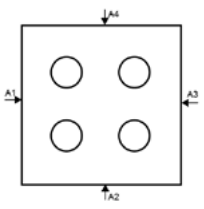
Art No.	Size	Thickness	A1 Flatness	A2 Flatness	Verticality of A1 to A2	Barcode
7400-1006-00A	100x63 mm	16 mm	1μm	1μm	2μm	6976367675240
7400-1610-00A	160x100 mm	20 mm	1μm	1μm	2μm	6976367675257
7400-2516-00A	250x160 mm	25 mm	1μm	1μm	2.5μm	6976367675264
7400-4025-00A	400x250 mm	40 mm	1μm	1μm	3.5μm	6976367675271
7400-6340-00A	630x400 mm	63 mm	1.5μm	1μm	4.5μm	6976367675288
7400-10063-00A	1000x630 mm	80 mm	2.5μm	1.5μm	6μm	6976367675295

Granite master square 90°

Description

- Measuring face accuracy according to grade 00
- 4x 90° Angle
- Wear-resistant, acid-resistant
- Delivered with an inspection report





Art.No.	Size	Thickness	A1,A2,A3,A4 Flatness	A1,A3 parallelim	A2,A4 parallelim	Verticality between the two measuring face(such as A1 to A2)	Barcode
7400-2020-00K	200x200 mm	25 mm	0.9μm	2.0μm	2.0μm	2.0μm	6976367675301
7400-3030-00K	300x300 mm	30 mm	1.1μm	2.6μm	2.6μm	2.6μm	6976367675318
7400-5050-00K	500x500 mm	50 mm	1.5μm	3.5μm	3.5μm	3.5μm	6976367675325
7400-6363-00K	630x630 mm	60 mm	1.8μm	4.2μm	4.2μm	4.2μm	6976367675332

Precision Pair Of Parallels

Description

- Measuring face accuracy according to grade 00
- 2 Measuring sufaces parallel as a pair
- Wear-resistant, acid-resistant
- Delivered with an inspection report



Art.No.	Size	Thickness	Flatness	Parallelim	Barcode
7400-1006-00P	100x63 mm	16 mm	1.5μm	1.5μm	6976367675349
7400-1604-00P	160x40 mm	25 mm	1.5μm	1.5μm	6976367675356
7400-2504-00P	250x40 mm	25 mm	2μm	2μm	6976367675363
7400-4006-00P	400x63 mm	40 mm	4μm	4μm	6976367675370
7400-6310-00P	630x100 mm	63 mm	6μm	6μm	6976367675387

Stand For Granite Surface Plates

Description

- For medium size granite surface plates
- Include 5 jacks
- One foot on the bottom is adjustable



Art No.	For Granite Plate	Barcode	Remark
238-5004	600x450x100mm	6971570715004	
238-5011	750x500x130mm	6971570715011	
238-5028	1000x750x150mm	6971570715028	
7401-600F	600x450x100mm	6976367675707	Integrated stand
7401-750F	750x500x130mm	6976367675714	Integrated stand
7401-1000F	1000x750x150mm	6976367675721	Integrated stand

Vee Block Pair With Clamp

Description

- For clamping cylindrical pieces and marking purposes
- Made of carbon steel hardened or stainless steel hardened
- With clamm,Accuracy ±0.004mm/100mm
- Pairwise finished,Packed in cardbox



Stainless steel		Carbon steel		Size	For Shaft Dia
Art No.	Barcode	Art No.	Barcode		
236-0382	6971570710382	236-0351	6971570710351	50x40x40mm	ø5-30mm
236-0399	6971570710399	236-0368	6971570710368	75x55x55mm	ø5-30mm
236-0405	6971570710405	236-0375	6971570710375	100x75x75mm	ø7-70mm

Vee Block Pairs

Description

- Grade 0
- Made of carbon steel hardened
- Fine ground, machined and adjusted in pair
- Accuracy :±0.004mm
- Vee groove 90°
- Pairwise finished, Packed in cardbox



Art No.	Size	For Shaft Dia	Barcode
236-0306	75x35x30mm	ø5 - 40mm	6971570710306
236-0313	100x47x40mm	ø5 - 55mm	6971570710313
236-0320	150x55x45mm	ø5 - 60mm	6971570710320
236-0337	200x65x55mm	ø5 - 75mm	6971570710337
236-0344	250x85x70mm	ø5 - 100mm	6971570710344

Vee Block Pairs

Description

- Grade 1
- Made of cast iron with high resistance to wear
- Fine ground, machined and adjusted in pair
- Accuracy ±0.016mm
- Vee groove 90°
- Pairwise finished,Packed in cardbox



Art No.	Size	For Shaft Dia	Barcode
236-0252	50x40x30mm	ø4 - 30mm	6971570710252
236-0269	75x40x30mm	ø6 - 40mm	6971570710269
236-0276	100x40x30mm	ø6 - 50mm	6971570710276
236-0283	150x50x40mm	ø8 - 60mm	6971570710283
236-0290	200x70x50mm	ø8 - 70mm	6971570710290

Magnetic V-Blocks

Description

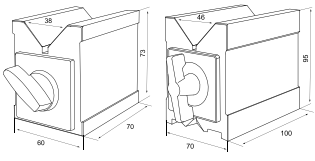
- Made from special steel
- Sturdy magnetic base with ON/OFF switch
- Accuracy: 0.02mm/ 100mm
- Packed in cardbox



230-8258



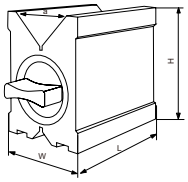
230-8265



Art No.	V-face	Base(LxWxH)	Barcode
230-8258	38mm	70x60x73mm	6971570718258
230-8265	50mm	100x70x95mm	6971570718265

Magnetic V-Blocks





Description

- Made from special steel
- Surface hardness HRC55-62
- Sturdy magnetic base with ON/OFF switch
- Accuracy: 0.004mm/ 100mm
- Packed in cardbox

Overall Dimension(mm)

Range	L	a	W	H
80x70x95mm	80	50	70	95
100x70x95mm	100	50	70	95

Art No.	V-face	Base(LxWxH)	Barcode
230-8272	50mm	80x70x95mm	6971570718272
230-8289	50mm	100x70x95mm	6971570718289

Pot Magnet



Description

- Shell material: A3 carbon structural steel
- Magnetic material: alnico
- Black painting
- M6 Connection thread

Art.No.	Size(Diaxh)	Magnet Force	Net Weight	Barcode
9500-11001	21x19 mm	4.8 Kg	31.8g	6976367675080
9500-11002	27x25 mm	6.8 Kg	112g	6976367675097
9500-11003	35x30 mm	17.0 Kg	115g	6976367675103

Neodymium Deep Pot Magnet



Description

- Shell material: Copper
- Magnetic material: NdFeB
- Black painting

Art.No.	Size(Diaxh)	Magnet Force	Net Weight	Barcode
9500-21001	16x16 mm	15 Kg	21g	6976367675226
9500-21002	20x16 mm	30 Kg	32.5g	6976367675233

Shallow Pot Magnet

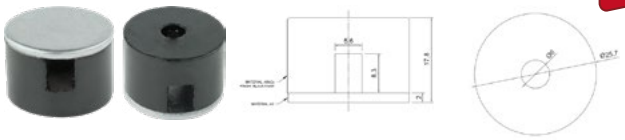


Description

- Shell material: A3 carbon structural steel
- Magnetic material: alnico
- Black painting

Art.No.	Size(Diaxh)	Magnet Force	Net Weight	Barcode
9500-11004	19x8 mm	2.8 Kg	16.8g	6976367675110
9500-11005	28x9.5 mm	4.5 Kg	47.5g	6976367675127
9500-11006	38x11 mm	12.5 Kg	91.5g	6976367675134

Button Magnet

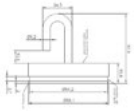


Description

- Shell material: A3 carbon structural steel
- Magnetic material :alnico
- Black painting

Art.No.	Size(Diaxh)	Magnet Force	Net Weight	Barcode
9500-12001	12.5x9.5 mm	0.7 Kg	8.3g	6976367675172
9500-12002	19.1x12.7 mm	2 Kg	34.5g	6976367675189
9500-12003	25.4x15.9 mm	3 Kg	55g	6976367675196

Ferrite Pot Magnet

Description

- Shell material: A3 carbon structural steel
- Magnetic material : Ferrite
- Black painting

Art.No.	Size(Diaxh)	Magnet Force	Net Weight	Barcode
9500-11007	46x10.7 mm	6 Kg	142.7g	6976367675141
9500-11008	56x10.7 mm	14.5 Kg	175g	6976367675158
9500-11009	66x10.7 mm	21.5 Kg	238g	6976367675165

Magnetic Retrieval Pen

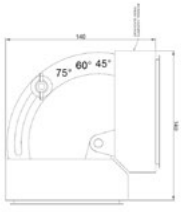


Description

- Shell material : A3 carbon structural steel
- Magnetic material :alnico
- With pen clip

Art.No.	Size	Net Weight	Barcode
9500-30010	150-660 mm	17.3g	6976367675073

Magnetic Welding Clamp

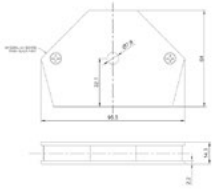



Description

- Shell material: A3 carbon structural steel
- Magnetic material: Ferrite
- Black painting

Art.No.	Size(Diaxh)	Magnet Force	Net Weight	Barcode
9500-14001	105x105 mm	25 Kg	1270g	6976367675202

Magnetic Welding Clamp

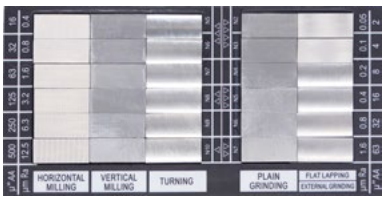



Description

- Shell material: A3 carbon structural steel
- Magnetic material: Ferrite
- Black painting

Art.No.	Size(Diaxh)	Magnet Force	Net Weight	Barcode
9500-14110	96x64x15 mm	6 Kg	278g	6976367675219

Surface Roughness Block Set



Description

- Accroding to ISO2632/1-1975
- 30pcs/set
- Used for checking roughness
- Prime plastic box

Art.No.	Processing Method	Roughness-Ra	Quantity	Barcode
WP-490-RS30	Flat lapping	0.1, 0.05 um	2 pcs	6976367673086
	Reaming	0.2, 0.4, 0.8, 1.6 um	4 pcs	
	Plain grinding	0.05, 0.1, 0.2, 0.4, 0.8, 1.6 um	6 pcs	
	Horizontal milling	0.4, 0.8, 1.6, 3.2, 6.3, 12.5 um	6 pcs	
	Vertical milling	0.4, 0.8, 1.6, 3.2, 6.3, 12.5 um	6 pcs	
	Turning	0.4, 0.8, 1.6, 3.2, 6.3, 12.5 um	6 pcs	

Workpiece Stop



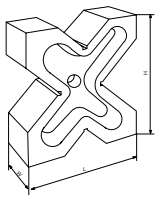
Description

- For clamping short parts on lathe chucks
- Made of aluminium
- With 3 magnets that are built into the limit stop it can be adsorbed on the chuck

Art.No.	Size	For Workpiece Dia.	Barcode
WP-7411-15	15 mm	15-130 mm	6976367673093
WP-7411-20	20 mm	15-130 mm	6976367673109
WP-7411-25	25 mm	15-130 mm	6976367673116
WP-7411-30	30 mm	15-130 mm	6976367673123
WP-7411-35	35 mm	15-130 mm	6976367673130

X-Vee Block Pairs





Description

- Grade 1
- Made of cast iron with high resistance to wear
- Fine ground, machined and adjusted in pair
- Accuracy ±0.016mm
- Four large grooves 90°
- Pairwise finished, Packed in cardbox

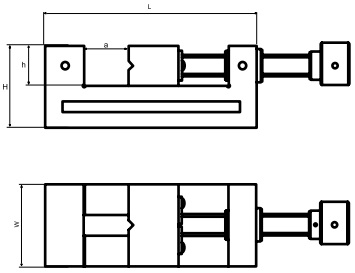
Overall Dimension(mm)

Range	L	W	H
150x130x75mm	150	75	130
200x170x90mm	200	90	170

Art No.	Size	For Shaft Dia	Barcode
236-0412	75x150x130mm	ø8 - 120mm	6971570710412
236-0429	90x200x170mm	ø12 - 180mm	6971570710429

Precision Vises





Description

- Made of carburizing steel
- Parallelism:0.004mm/100mm
- Verticality:0.005mm/100mm
- Hardness:HRC55-60
- packed in cardbox

Overall Dimension(mm)

Range	L	a	h	W	H
0-63mm	155	65	25	50	50
0-73mm	190	85	32	63	65
0-76mm	210	100	35	73	74
0-115mm	250	125	40	88	88
0-120mm	260	125	45	100	95
0-152mm	300	160	50	125	110
0-165mm	315	175	50	150	110

Art No.	Size	Jaw Opening Size	Barcode
236-7381	155x48x52mm	0-65mm	6971570717381
236-7398	190x63x63mm	0-85mm	6971570717398
236-7404	210x73x73mm	0-100mm	6971570717404
236-7411	250x90x80mm	0-125mm	6971570717411
236-7428	260x100x96mm	0-125mm	6971570717428
236-7435	300x125x104mm	0-160mm	6971570717435
236-7442	315x150x110mm	0-175mm	6971570717442

Precision Parallel Sets

Description

- Made from high grade alloy steel, hardened
- Finely ground in pairs
- Specially process to guarantee the high accuracy steadily, no distortion for long time
- Tolerance in pairs parallelism 0.005mm
- Packed in wooden box



Art No.	Paris	LxT	Height	Barcode
236-0436	9	100x4mm	10, 14, 18, 22, 26, 30, 34, 38, 42	6971570710436
236-0443	9	160x4mm	10, 14, 18, 22, 26, 30, 34, 38, 42	6971570710443
236-0467	14	150x10mm	14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40, 45, 50	6971570710467

Precision Parallel Sets

Description

- Made from high grade alloy steel, hardened
- Finely ground in pairs
- Specially process to guarantee the high accuracy steadily, no distortion for long time
- Tolerance in pairs parallelism 0.005mm
- Packed in cardbox



Art No.	Paris	Height	Height	Barcode
236-0474	20	100mm	5x2, 10x2, 15x2, 20x2,6x3, 11x3, 16x3, 21x3, 7x4, 12x4, 17x4, 22x4,8x5, 13x5, 18x5, 23x5, 9x6, 14x6, 19x6, 24x6	6971570710474
236-0481	24	125mm	11x8, 16x8, 21x8, 26x8, 31x8, 36x8, 13x10, 18x10, 23x10, 28x10, 33x10, 38x10, 15x12, 20x12, 25x12, 30x12, 35x12, 40x12, 17x14, 22x14, 27x14, 32x14, 37x14, 42x14	6971570710481
236-0498	24	150mm	11x8, 16x8, 21x8, 26x8, 31x8, 36x8, 13x10, 18x10, 23x10, 28x10, 33x10, 38x10, 15x12, 20x12, 25x12, 30x12, 35x12, 40x12, 17x14, 22x14, 27x14, 32x14, 37x14, 42x14	6971570710498

Concentricity Gage

Description

- Used to measure the concentricity,roundness,circumferential runout, eccentricity, section deviation, and end face perpendicularity of roller types based on the axis
- Easy to operate and quick to measure
- Main body made of aluminum alloy, black
- With cylindrical roller
- Aluminum box packaging

Standard Spec

Lever sliding holder	*x 1*
Vertical sliding holder	*x 1*
Pressure wheel device	*x 1*
13x5mm pressure roller	*x 1*
Carbide steel rod	*x 1*
Positioning block	*x 1*
Positioning pin	*x 1*
Handwheel	*x 1*



Note: Dial indicator excluded

Art.No.	Range	For Workpiece	Accuracy Error	Size	Net Weight	Barcode
7134-0325A	3-25 mm	0-102 mm	0.002 mm	300x130x180 mm	3.5 KG	6976367674106

Runout Tester

Description

- Made in Germany ,2 adjustable tailstocks
- Finely ground surface according to DIN876-2
- Left tailstock to fix the central axis,High quality carton
- Right tailstock with spring device, approx. 10mm free adjustment,Lever to quickly fix the tailstocks
- Base with a T-shaped groove and a column, a 8mm reserved hole for the column, fine adjustment available
- Fixed tailstock height:50mm(Art. No.7136-10)
- V-shaped Tailstock height : 75mmClamping range of V-shaped groove: 6-24mm(Art. No. 7136-40)



Note: Dial indicator excluded

Art. No.	Base Size	T-shaped Groove	Spacing	Center Height	Tip Diameter	Load	Barcode
7136-10	350x110mm	10H7	200mm	50mm	16mm	5KG	6972727958824
7136-40	350x110mm	10H7	200mm	75mm	16mm	5KG	6972727958831

Runout Tester With Roller Blocks

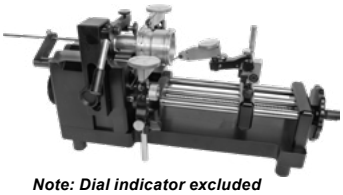
Description

- Made in Germany,With 2 roller blocks
- Finely ground surface according to DIN876-2
- Concentricity error of the roller 0.005mm
- Lever for quick clamping,High quality carton
- Base with T-shaped groove and a column,a 8mm reserved hole for the column,fine adjustment available

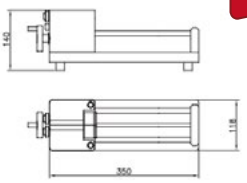


Art. No.	Base Size	T-shaped Groove	Roller Block Height	Barcode
7136-100	350x110mm	10H7	65mm	6972727958848

Concentricity Gage System



Note: Dial indicator excluded



Description

- Made in and originated from europe
- Used for measuring concentricity and roundness
- Rotor on hardened stainless steel
- Light weight design
- Three different supports for dial gauge
- Packed in wooden box

Overall dimension(mm)

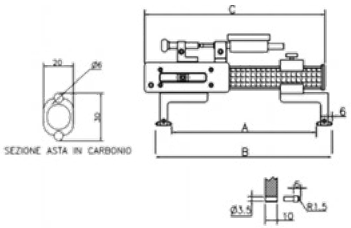
Range	C
0-290/32-320 mm	265
0-470/32-500 mm	445

Art.No.	Range	Reading	Accuracy error	Net weight	Barcode
7136-50-EP	Ø1.5-Ø50 mm	0.01mm	0.002 mm	8500 g	6976367672843

Mini Comparative Gauge



Note: Dial indicator excluded



Description

- Made in and originated from europe
- Lightweight caliper ,carbon fiber steel
- Used for inside/outside measurement
- Interchangeable rods
- Double dial gauge positionament
- Packed in wooden box

Overall dimension(mm)

Range	C
0-290/32-320 mm	265
0-470/32-500 mm	445

Art.No.	Range A/B	Reading	Repeatability	Net weight	Barcode
4205-3232	0-290/32-320 mm	0.01mm	0.002 mm	850 g	6976367672829
4205-3250	0-470/32-500 mm	0.01mm	0.002 mm	1000 g	6976367672836



Universal Bore Gauge

Made in Germany

Description

- Made in Germany
- Widely used in parts measuring and inspection,inside and outside dimension measurement of equipment
- With different measuring jaws and probes available
- Optional extensions, max. up to 2000mm
- Changeable measuring directions based upon actual situations, inside or outside dimension measurement
- Indicator excluded(option),Sturdy wooden box
- Incl. test certificate,Option(digital dial indicator)



Note: Dial excluded

Art. No.	Measuring Range		Measuring Force		Barcode
	outside	inside	outside	inside	
4205-230	50-220mm	15-230mm	~6N	~4N	6972727958671

Extensions For Universal Bore Gauge

Made in Germany



Description

- Made in Germany
- Extension accessories for universal bore gauge

Art. No.	Measuring Range	Barcode
WP-4205-01	100mm	6972727958688
WP-4205-02	200mm	6972727958695
WP-4205-03	500mm	6972727958701

Installation Support

Made in Germany

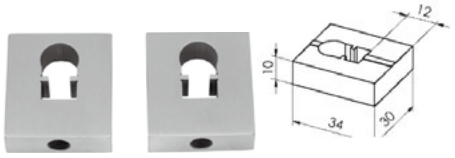


WP-4205-05

Description

- Made in Germany,For universal bore gauge

Art. No.	Barcode
WP-4205-05	6972727958725



WP-4205-12

Art. No.	Size	Barcode
WP-4205-12	34x30x10mm	6972727958794

Installation Support

Made in Germany



Description

- Made in Germany,For universal bore gauge
- For installation of 3.5mm and 5mm diameter probes etc



Art. No.	Size	Barcode
WP-4205-13	40mm	6972727958800
WP-4205-14	80mm	6972727958817

Probes

Made in Germany

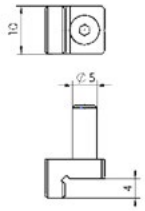
Description

- Made in Germany
- For universal bore gauge to measure outside dimensions

Art. No.	Barcode
WP-4205-06	6972727958732



WP-4205-06

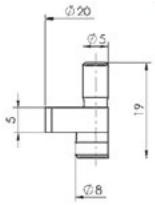


- Made in Germany
- For universal bore gauge to measure inside dimensions

Art. No.	Barcode
WP-4205-07	6972727958749



WP-4205-07

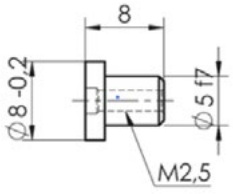


- Made in Germany
- For universal bore gauge, applicable for probes with M2.5 thread of dial indicator and dial test indicator

Art. No.	Barcode
WP-4205-04	6972727958718



WP-4205-04



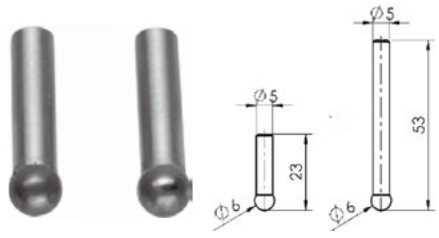
Spherical Probes

Made in Germany

Description

- Made in Germany,For universal bore gauge

Art. No.	Size	Barcode
WP-4205-09	23x6mm	6972727958763
WP-4205-10	53x6mm	6972727958770



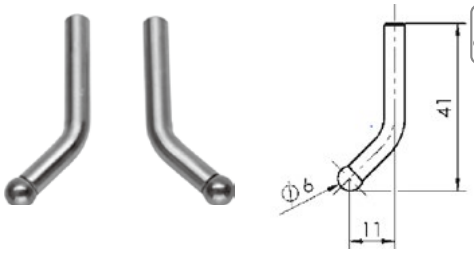
Elbow Probes

Made in Germany

Description

- Made in Germany,For universal bore gauge

Art. No.	Size	Barcode
WP-4205-11	41x6mm	6972727958787



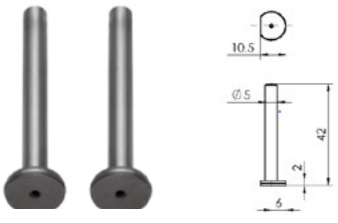
Disc Probes

Made in Germany

Description

- Made in Germany
- For universal bore gauge to measure inside and outside dimension of grooves

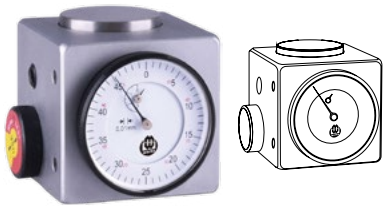
Art. No.	Size	Barcode
WP-4205-08	42x10.5x12mm	6972727958756



Zero Setting Gauge

Description

- Magnetic base



Art. No.	Total height	Accuracy error	Barcode
7413-02M	50mm	0.01mm	6972727952587

Digital Tool Setting Gauge 0-2.5mm

Description

Used for determine the procedures at the origin position in machine coordinate system

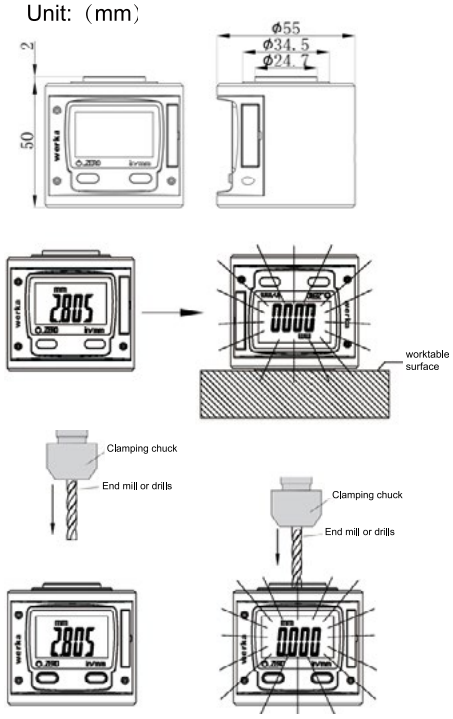
- Inductive measurement system
- LED Display
- Response speed 1.6m/s
- IP65 Protection grade
- Light indicating at “0.000”
- Auto power off,when no operation for 5 minutes
- 3V Lithium battery,
  low voltage alarm: Display" ▭ "



Specification

Product Name	Digital tool setting gauge
Art No.	235-9521
Range	0-2.5mm
Resolution	0.001mm/0.00005"
Accuracy error	±0.002mm
Buttons	⏻...ZERO:Short press to powerd on and off Zero setting by long press In/mm:Short press for metirc,inch conversion
Protection Garde	IP65
Working Temperature	0~40℃
Storage and transportaion	-20~70℃
Overall dimension	Dia.x H:55x50mm
Execution Standard	Enterprise standard

Unit:（mm）



Digital Tool Setting Gauge

Step 1:Invert the tool setting gauge so that the upper datum plane is flat on the work-piece surface or countertop,long press ... ZERO button for about three seconds,and the display value will be zeroed,then the display backlight will lights up as a reminder.
Note: The display backlight will not go out until the display number is not "0".

Step 2:Put the tool setting gauge in the right direction and move the cutting tools to the datum plane until the the display shows“0”and the display backlight lights up, this means that the relative "0" position of the machine to the work-piece has been calibrated.

Digital Zero Setting Gauge



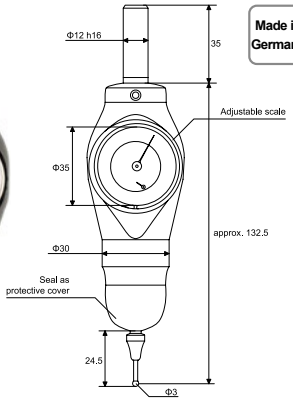
Description

- Used for zero setting
- LCD large display for easy reading
- Two buttons, mm/inch, ZERO
- 1.5V battery

Art.No.	Range	Reading	Height	Accuracy error	Barcode
7413-20E	0-2 mm	0.01 mm	50±0.01 mm	0.01mm	6976367670580

3d Tester With Dial Indicator





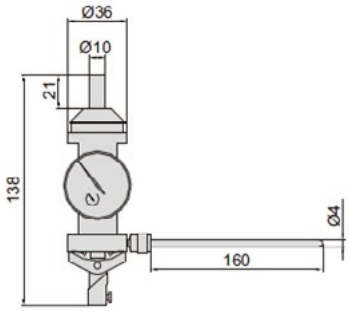
Description

- Made in Germany
- Extremely slim, easy to operate
- Standard ceramic probe:φ3mm
- Top plastic case
- Incl. workshop's test certificate
- Not allowed to contact with liquid like water and oil
- No shocking
- Solvent-free detergent only

Art. No.	Measuring range	Shank Diameter	Length	Probe	Barcode
223-3607	1.5mm	Ø12mm	166mm	Ø3mm	6972727953607
223-7070	0.06inch	Ø12mm	166mm	Ø3mm	6972727957070

Centering Indicator





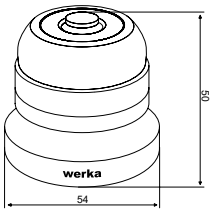
Description

- Suitable for the parts installed on drilling and milling machine to be centered in a faster manner
- With tolerance alarming pointers,With a standard pointy probe
- 45mm, 100mm, 154mm With 3 standard internal measuring probes(straight stem)
- 45mm, 100mm, 154mm With 3 standard external measuring probes(curved stem)
- With a standard handle
- Delivered with a manual
- Delivered with a warranty card
- Fancy wooden box

Art.No.	Range	Scale	Indication Error	Holder Dia	Bar code
4107-003	0-3 mm	0.01 mm	0.02 mm	10 mm	6972727959562

Electronic Zero Setting Gauge





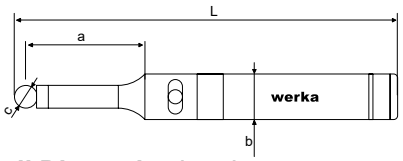
Description

- With LED signal light
- Magnetic base
- LED light up when the cutting tool touch the head
- 1.5V Battery, LR44

Art. No.	Total Height	Accuracy Error	Barcode
7413-01	50mm	0.01mm	6972727952570

Electronic Edge Finders





Description

- Touch point LED indication
- Shank and contact point have been hardened

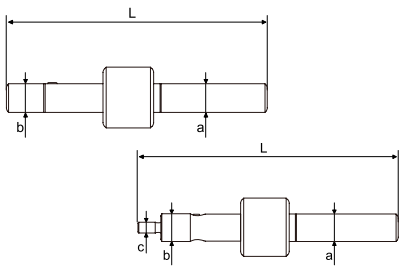
Overall Dimension(mm)

Range	L	a	b	c
160x20x10mm	160	45	20	10
160x20x10mm	160	45	20	10

Art. No.	Contact Point	Shank	Accuracy Error	Barcode	Remark
7412-020	10mm	20mm	0.005mm	6972727952556	
7412-020P	10mm	20mm	0.005mm	6972727952563	with beeper

Edge Finders





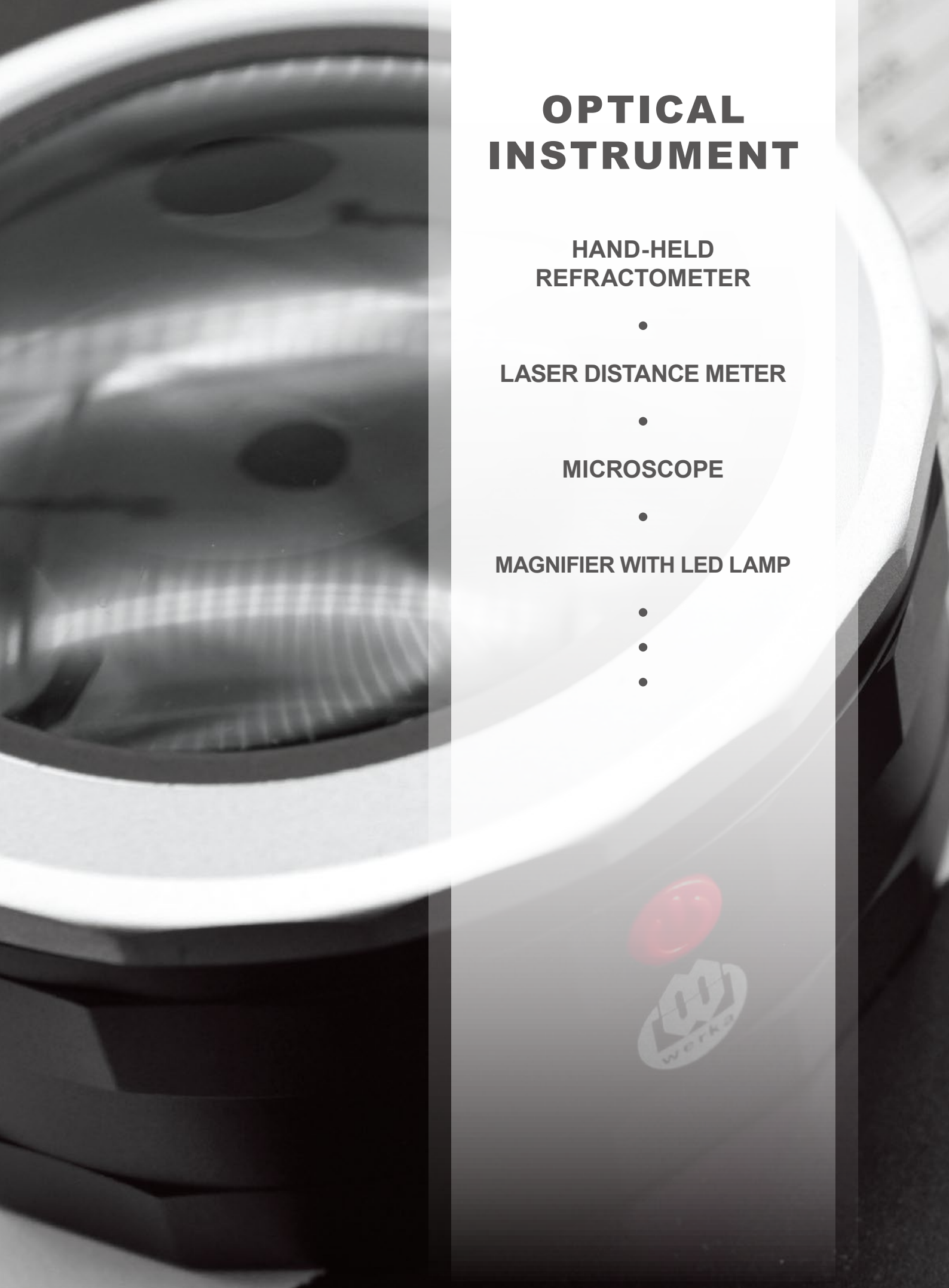
Description

- Mechanical edge finder for quick and easy location of round or flat work
- Hardened and precision ground

Overall Dimension(mm)

Range	L	a	b	c
10x10mm	82.5	10	10	
10x10x4mm	89	10	10	4

Art. No.	Contact Point	Shank	Accuracy Error	Barcode
7412-010	10mm	10mm	0.005mm	6972727952532
7412-010S	10mm and 4mm	10mm	0.005mm	6972727952549



OPTICAL INSTRUMENT

HAND-HELD REFRACTOMETER

•

LASER DISTANCE METER

•

MICROSCOPE

•

MAGNIFIER WITH LED LAMP

•

•

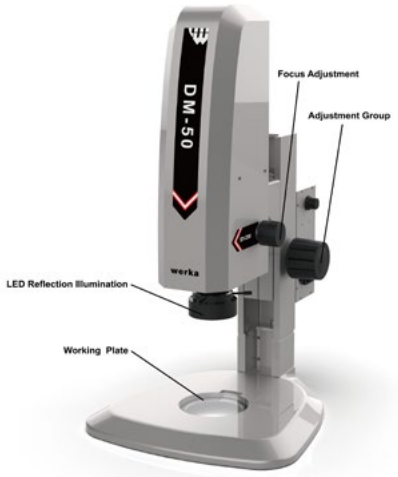
•

Auto Focus Video Measuring Microscope

Description

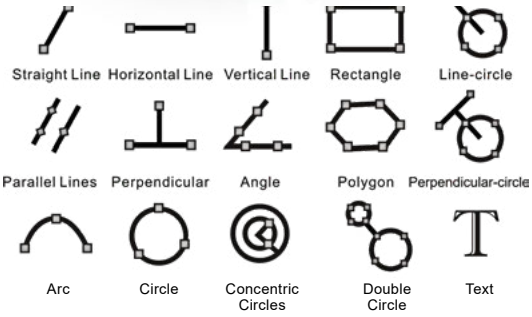
It can be applied to incoming inspection,production inspection, material research, PCB and SMT inspection analysis, printing, textile inspection, biological anatomy, medical testing and other fields.

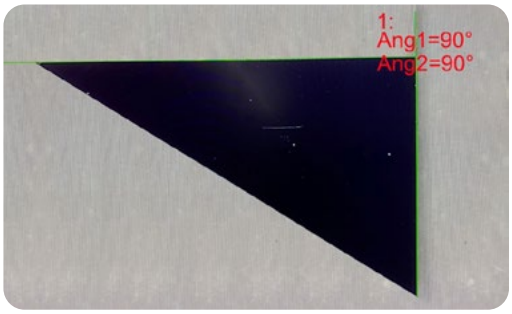
- Integral design;
- Built-in high-definition HDMI integrated camera, directly connected to HDMI display, can take pictures or videos;
- With high definition 0.7~4.5X parallel continue zoom lens, it is much more convenience and fast to switch objective magnification;
- With adjustable LED surface reflection illumination, is able to control brightness independently;
- With 2 mega pixel auto focus camera, no need to waste time for manual focus frequently;
- With its own measurement function, it can measure linear dimensions such as distance, perimeter, area, angle, radian, width, height, and radius elements.



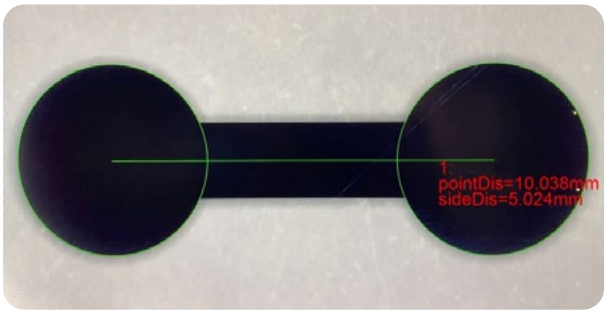
Measurement Function Introduction

DM-50 can measure straight lines, angles, concentric circles, parallel lines, point-to-line distance, point and line to concentric circles, diameter, circumference and area, length and width of rectangle, and can calculate circumference and area. It can measure the polygon and calculate its area. All the corresponding measurement report can be output to Udisk.

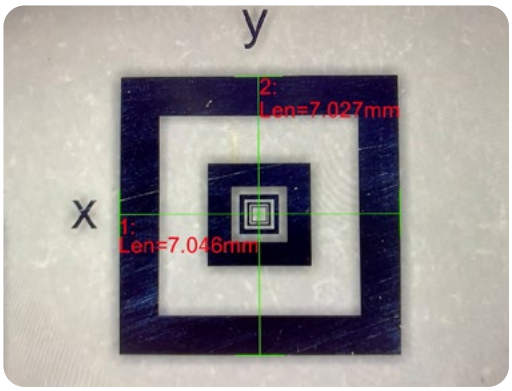




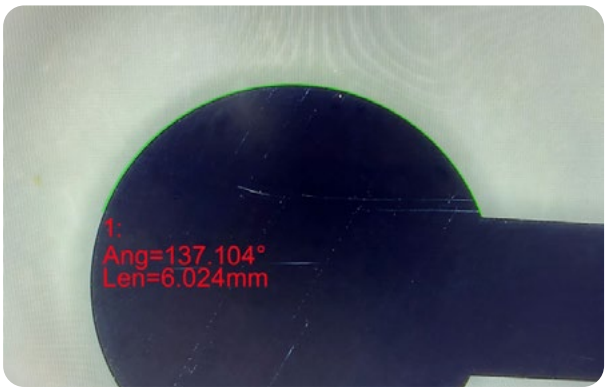
Angle Measurement



Concentric Circles Measurement



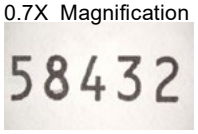
Vertical Line Measurement



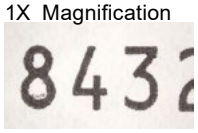
Arc Measurement

Field of View:

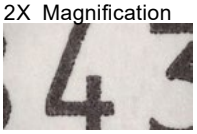
0.7X Magnification



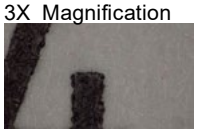
1X Magnification



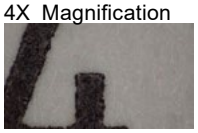
2X Magnification



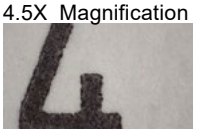
3X Magnification



4X Magnification



4.5X Magnification





Delivery

Product Name
Instrumen Main Unit
Power adapter:DC5V(Camera), DC12V(illumination)
Monitor:16:9 21.5"
Mouse
USB Flash Disk
Operation manual, Warranty card,certificate,packing list

Optical Multiple	Actual effective field of view (X,Y,D:mm)		
0.7x	17.76	10.03	20.40
1x	11.16	6.3	12.82
2x	5.42	3.06	6.22
3x	3.63	2.05	4.17
4x	2.7	1.52	3.10
4.5x	2.47	1.4	2.84

Specification

Product Name	Auto Focus Video Microscope
Art No.	521-2013
Electronic Magnification	8x~206x(HDMI 16:9 21.5" Monitor)
Optical Objective	0.7x~4.5x zoom lens Zoom ratio: 6.5:1 0.5x C-mount camera adapter
Camera Parameters	2M pixe(1920x1080) Image size:1/2.8" Frames per second:1080P@60fps
Measuring Function	Linear dimensions such as distance, perimeter,area,angle,radian,width,height, and radius elements are measured
Measurement Accuracy	0.02mm~0.003mm
Illumination	Adjustable LED surface illumination
Microscope Stand	Z-axis travel:100mm
Power Supply	AC90~204V,50~60Hz
Dimension(LxWxH)	375x285x500mm
Net Weight	6.5Kg

Auto Focus Vedio Measuring Microscope

Description

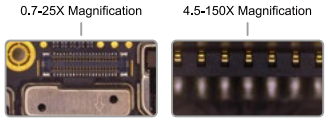
- High depth of field, high definition and high performance
- Integrated design
- Applicable for incoming inspection, production inspection, material research, PCB and textile inspection etc.
- Built-in high-definition HDMI integrated camera connected with the display to take pictures or shoot videos
- 1/2" 2Mpixel high definition auto focus camera
- 0.7-4.5X horizontal zoom lens
- With LED surface relfection illumination to control the brightness independently
- Measuring applications: distance, circle, rectangle, angle,radian and polygon etc.
- Fit with various worktables to make accurate positioning measurement available
- Delivered with a manualWooden box



A: Watch Gem Inspection



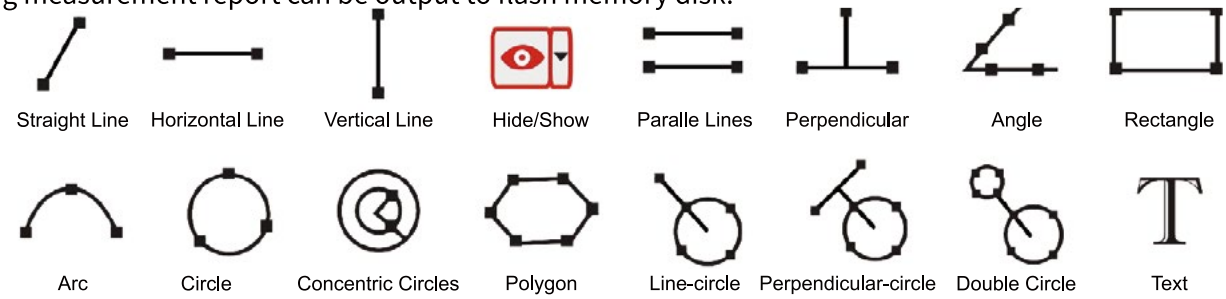
B: PCB Solder Inspection

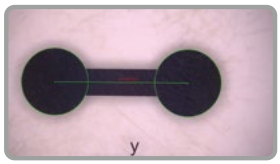


Art.No.	***521-2671***
Model	***DM-70***
Electronic magnification	***25X~150X (HDMI 16:9 21.5"Display)（ Expandable rate 5~3000X)***
Optical objective	***0.7X - 4.5X zoom lens， zoom ratio: 6.5X***
	0.5X C-mount Camera adpater
Camera parameters	***2MPixel (1920x1080)***
	Image size: 1/2"
	Frames per second: 1080P@60fps
Measuring function	***Distance between two points, distance from a point to a line,three point circular,raius,concentric circles, points to a circle, lines to a cirle, parallel lines, rectangle,angle,radian and polygon***
Save	***Image with result or Excel***
Method	***Operate via the mouse, smart point selectiong/manual selection***
Accuray	***0.003mm - 0.02mm(under different magnification)***
Z-axis travel	***100 mm***
Power supply	***AC90 240V/50 60HZ***
Size	***375x285x500 mm***
Weight	***6.5 kg***

Measurement Function Introduction

DM-70 can measure straight lines, angles, concentric circles, parallel lines, point-to-line distance, point and line to concentric circles, diameter, circumference and area, length and width of rectangle, and can calculate circumference and area. It can measure the polygon and calculate its area. All the corresponding measurement report can be output to flash memory disk.

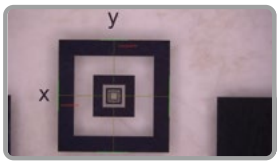




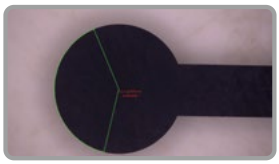
Two-Cycele Distance Measurement



Angle Measurement

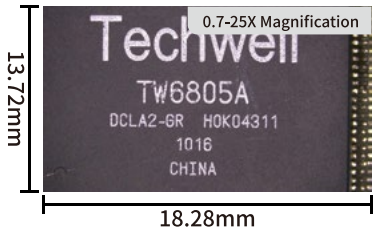


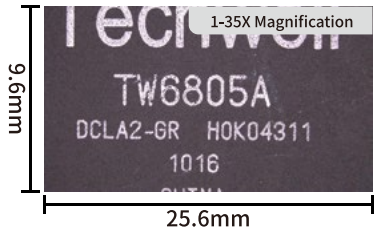
Vertical Line Measurement

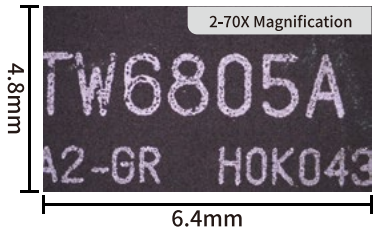


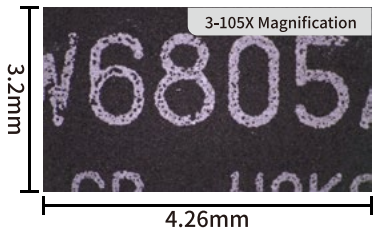
Arc Measurement

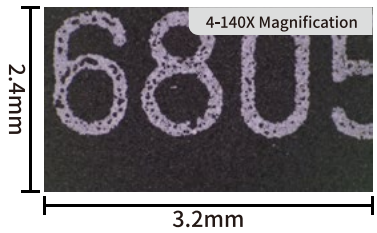
Field of View

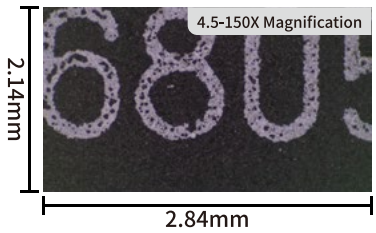












Magnification Specification

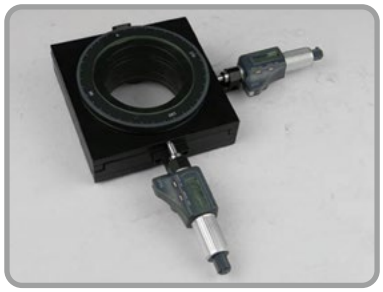
Optical Magnification	Video Magnification	X(mm)	Y(mm)	D(mm)
0.7X/2	25X	18.28	13.72	22.86
1X/2	35X	25.6	9.6	16
2X/2	70X	6.4	4.8	8
3X/2	105X	4.26	3.2	5.34
4X/2	140X	3.2	2.4	4
4.5X/2	150X	2.84	2.14	3.56

Standard Accessories

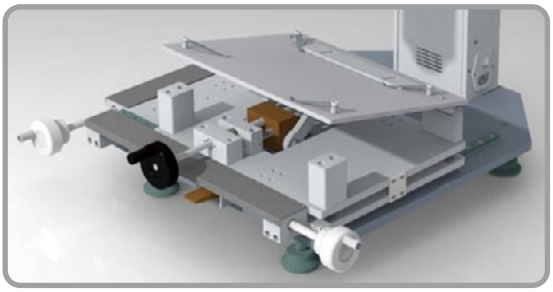
Commodity	Code	Commodity	Specification	Commodity	Specification
Main Body	DM-70	Power Cable	10A	Wireless Mouse	Logi brand
Qualified Certificate	DM-70	HD Cable	HDMI	U disk	16G
Warranty Card	DM-70	Packing list	DM-70	Manual	DM-70

Optional Accessories

Commodity	Code	Commodity	Code
Measuring Table	WP-521-2671-01	0.5X Auxiliary Objective	WP-521-2671-04
HDMI Monitor	WP-521-2671-02	2X Auxiliary Objective	WP-521-2671-05
4-axis Mobile Platform	WP-521-2671-03	1.5X Auxiliary Objective	WP-521-2671-06



Measuring Table



4-axis Mobile Platform



Universal Bracket

Auxiliary Objective			
			
0.5X (#416-321)	0.7X (#416-331)	1.5X (#416-341)	2X (#416-351)

Hand-Held Refractometer

Description

Hand-Held Refractometer is developed for working with sugar related liquids (fruit juices,soft drinks,wine), help monitor and control sugar concentrations in foods and beverages.It's also commonly used for controlling the concentration of various industrial fluids cutting lubricants and flux rinsing compounds.



- Built-in automatic temperature compensation system
- For measuring the optimal concentration of liquids
- Rugged stainless steel housing with rubber handle
- With adjusting screw, folding cover,with rubber eye cup, quality optic
- Size: 172 × φ29mm
- Delivery in a case

Art. No.	Range	Reading	Accuracy Error	Compensation Temperature Range	Barcode	
522-0354	0-32% Brix	0.2% Brix	±0.20%	10℃ -30℃	6972727950354	
522-1469	0-32% Brix	0.2% Brix	±0.20%	10℃ -30℃	6974804571469	economic type

Hand Held Adblue Refactometer

NEW

Description



- Suitable for rapid detection of urea concentration in Adblue
- It can also measure the concentration of ethylene glycol, propylene glycol, glass water, and battery liquid

Art.No.	Range	Reading	Overall demension	Bar code
522-0009	Adblue: 30 ~ 35%	0.50%	160x27x40 mm	6971570710009
	Ethylene Glycol: - 50 ℃ ~ 0 ℃	5 ℃		
	Propylene Glycol: - 50 ℃ ~ 0 ℃	5 ℃		
	Cleaning Fluids: - 40 ℃ ~0 ℃	5 ℃		
	Battery Fluids: 1.100-1.400kg/l	0.01kg/l		



Laser Distance Meter

Description

- Basic type
- Portable and ergonomic design
- Built-in electronic angle sensor
- Fast measurement and timely response
- Large LCD display, easy to reading
- Function: Distance measurement, Max/Min, Area, Volume, Pythagorean theorem measurement, Add/subtract, Data storage, Electron angle
- Packed in display box



Art.No.	526-040E	526-060E	526-080E	526-100E
Barcode	6976367671617	6976367671624	6976367671631	6976367671648
Measuring range	0.05 - 40 m	0.05 - 60 m	0.05 - 80 m	0.05 - 100 m
Accuracy error	± 2mm			
Measuring unit	m / ft / in			
Laser class	＜ 1mW(Class Ⅱ)			
Laser type	(620nm-690nm)			
Data storage	100 groups			
Auto power off	30 seconds			
Operating temperature	0° ~ 40°			
Storage temperature and humidity	Temperature -20° ~ +65°, Humidity 20% ~ 80%RH			
Battery	Alkalinity 1.5V AAAx2			
Dimensions	115x50x23 mm			
Weight	82 g			

Laser Distance Meter

Description

- Professional type, designed for the outdoor measurement profession
- Portable and ergonomic design
- Built-in electronic angle sensor, real-time electron angle
- Fast measurement and timely response
- With camera assist
- With voice broadcasting
- Large LCD display, easy to reading
- With 1/4" tripod connecting thread
- Function: Distance measurement, Max/Min, Area, Volume, Pythagorean theorem measurement, Add/subtract, Data storage, Electron angle
- With an 800mAh rechargeable lithium battery and can also be installed with AAAx3 battery
- With a soft package
- Packed in display box





With positioning plate, which can be used for positioning at 90 °/180 °



With an 800mAh rechargeable lithium battery and can also be installed with AAAx3 battery



Art.No.	526-150P	526-200P
Barcode	6976367671655	6976367671662
Measuring range	0.05 - 150 m	0.05 - 200 m
Accuracy error	± 2mm ± 50x10-6xD(D = the measurement distance)	
Measuring unit	m / ft / in / ft' / in"	
Laser class	＜ 1mW(Class Ⅱ)	
Laser type	(505nm-670nm)	
Data storage	30 groups	
Self-cutting laser	30 seconds	
Auto power off	180 seconds	
Camera assist	YES	
Operating temperature	0° ~ 40°	
Storage temperature and humidity	Temperature -20° ~ +60°, Humidity 20% ~ 80%RH	
Battery	polymer lithium ion rechargeable battery 3.7V 800mAh	
Dimensions	134x56x27 mm	
Weight	127 g(No battery)	

Mini Sound Level Meter

Description

Mini sound level meters can convert ambient sound into electric signals, process data and display results on LCD. They can constantly monitor ambient sound.
Applications:
Noise detection, quality control, health control, environmental noise measurement in factory, traffic, home audio and other places.

- White backlight, clear LCD screen
- Adjustable sampling rate, fast/slow
- 1/2 inch condenser microphone
- Light weight, ergonomic design, user-friendly interface
- Packed in card box



Product Name	Mini Sound Level Meter
Art No.	526-131
Barcode	6972727953522
Range	30~130dB
Reading	0.1dB
Accuracy error	±1.5dB
Sampling rate	Fast: 125ms Slow: 1000ms
Frequency response	31.5Hz~8kHz
Barcode	6972727953546
Overload indication	OL
MAX/MIN	√
Data hold	√
LCD backlight	√
Auto power off	√
Low battery indication	√
General Characterisitics	
Power	1.5V battery (R03) x 3
Display	32mm x 26mm
Product net weight	116g
Product size	150mm x 52mm x 27mm
Standard accessories	Batteries, windscreen
Standard individual packing	Blister, English manual

Mini Anemometer

Description

Mini Anemometer can measure wind speeds up to 30m/s.It's a stable,safe,reliable mini digital anemometer.
Applications:
Mining, electric, iron and steel, petrochemical, energy-saving, navigation,fan manufacturing, exhaust ventilation.

- White backlight, clear LCD screen
- Light weight, ergonomic design, user-friendly interface
- Packed in card box



Product Name	Mini Anemometer
Art No.	524-301
Barcode	6972727953522
Measuring range	0~30m/s
Wind speed resolution	0.1m/s
Wind speed accuracy	±(5%rdg+0.5)
Temperature	-10~50℃ /14~122 ℉
Temperature resolution	0.1℃ /0.2 ℉
Temperature accuracy	±2℃ /±4 ℉
Wind scale	Level 0~12
Wind scale accuracy	±1
Sampling rate	0.5s
Overload indication (> 45m/s)	OL
MAX/AVG	√
Data hold	√
LCD backlight	√
Auto power off	5 min
Low battery indication	3V~3.5V
General Characterisitics	
Power	1.5V battery (R03) x 3
Display	32mm x 26mm
Product net weight	118g
Product size	160mm x 50mm x 28mm
Standard accessories	Batteries
Standard individual packing	Blister, English manual

Mini Temperature Humidity Meter

Description

Mini temperature humidity meters can measure, process data, and display results on LCD.
Applications:Grain storage and transportation, file management, material management, forestry and animal husbandry, health care, teaching experiment, public sector, home and others.

- White backlight, clear LCD screen
- Temperature measurement range: -10~60℃ /14~140℉
- Humidity measurement range: 0~100%RH
- MAX/MIN modes, low battery indication, auto power off
- Light weight, ergonomic design, user-friendly interface
- Packed in card box



Product Name	Mini Temperature Humidity Meter
Art No.	525-011
Temperature range	-10~60℃ /14~140 ℉
Temperature resolution	0.1℃ /0.2 ℉
Temperature accuracy	±1.0℃ /±2.0 ℉
Humidity	0%RH~100%RH
Humidity accuracy	±5% RH
Humidity resolution	0.1%RH
Sampling rate	1/s
Overload indication	OL
MAX/MIN	√
Data hold	√
℃ / ℉ selection	√
LCD backlight	√
Auto power off	5 min
Low battery indication	3V~3.5V
General Characterisitics	
Power	1.5V battery (R03) x 3
Display	32mm x 26mm
Product net weight	102g
Product size	155mm x 50mm x 28mm
Standard accessories	Batteries
Standard individual packing	Blister, English manual

Mini Tachometer

Description

Mini Tachometer is a reliable digital non-contact tachometer used to measure rotation speed of motors and other machines.

- LCD backlight
- Auto measuring range
- Up to 99999 display; overload diaplay, "OL"
- RPM measurement and revolution count
- Max/Min, data hold
- Singal trigger/laser-on indication
- Low battery/auto power off indication



Product Name		Mini Tachometer	
Art No.		527-201	
Measuring Range		Reading	Accuracy error
RPM measurement	10.0~9999.9RPM 10000~99999RPM	0.1RPM 1RPM	±(0.04%+2)
Counting measurement	0~99999 counts	1counts	±1
Auto range		√	
Auto power off		√	
Low battery indication		√	
Laser-on indication		√	
Data hold		√	
MAX/MIN		√	
Rotating speed/count function switching		√	
Overload indication		√	
LCD backlight		√	
Refresh rate		1s to 7s (>120rpm for 1s)	
Sensor type		Photodiode and laser tube	
Target distance		50mm~200mm	
Measuring angle		±30° from perpendicular	
Drop test		1m	
General Characterisitics			
Power		1.5V battery (R03) x 3	
Display		5-digit segment code; 99999 max display	
Product net weight		85g (excluding battery)	
Product size		183.8mm x 56mm x 34mm	
Standard accessories		Batteries, reflective tape	
Standard individual packing		Bubble bag, gift box, English manual	

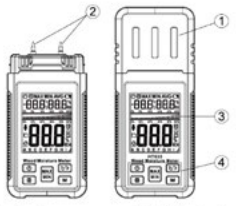
Wood Moisture Meter

Description

- Suitable for measuring the moisture content of wood and building materials
- Ambient temperature and Environmentalhumidity measurment
- With pin measuring tips
- Single point measurment and Multi-point average measurement
- Max/Min measurment
- Built in characteristic parameters of 7 different kinds of wood and building materials
- Data hold
- Automatic power off
- Low battery indicator
- 3x1.5V Alkaline battery

Material A	*Beech,spruce,larch,birch,cherry,walnut:8.8-54.8%*
Material B	*Oak,pine,maple,ash,douglas fir,eucalyptus:6.8-47.9%*
Material C	*Cement mortar layer,concrete:0.9-22.1%*
Material D	*Anhyfrous gypsum mortar layer:0.0-11.0%*
Material E	*Cement mortar:0.7-8.6%*
Material F	*Lime mortar,gypsum:0.6-9.9%*
Material G	*Brick:0.0-16.5%*





Art.No.	*525-190*
Barcode	*6976367670634*
Temperature	*Measuring range: -20.0℃ ~ 60.0 ℃ (-4.0 °F ~ 140.0 °F)* *Accuracy: 0.0 ℃ ~ 45.0 ℃ (-32 °F ~ 113 °F) ±1.0 ℃ /2.0 °F* *Other: ±1.5 ℃ /3.0 °F*
Humidity	*Measuring range: 0.0% ~ 99.9%RH* *Accuracy: 20%~80% ±5.0 RH* *Other: ±6.0 RH*

Infrared Thermometer

Description

- Industrial infrared thermometer, suitable for steel industry, glass industry, baking, cold storage, maintenance industry, supermarket food processing, etc
- The safety level complies with EN61326 and EN60825
- High and low temperature alarm, Temperature difference alarm(MAX/MIN display)
- Fast measurement, response speed less than 0.5s
- Color LCD display, easy to reading
- Adjustable laser emissivity
- 12 infrared measurement points
- Packed in display box

Art.No.	*523-5055*
Barcode	*6976367670610*
Temperature	*Measuring range: -50.0℃ ~ 550.0℃ (-58.0 °F ~ 1022.0 °F)* *Accuracy:-50.0℃ ~ 0.0℃ (-22 °F ~ 32 °F) ±3.0℃* *0.0℃ ~ 550.0℃ (32 °F ~ 1022 °F) ±2.0℃*
Laser power	*< 1mW(630nm-650nm)*
Target distance ratio	*12:1*
Adjustable emissivity	*0.10-1.00*
Spectral range	*8-14 um*
Temperature upper and lower limit alarm	*YES*
Data hold	*YES*
Value	*YES*
Low voltage prompt	*YES*
Automatic power off	*YES*
Backlight display	*YES*
Power supply	*2x1.5V AAA*
Weight	*≈ 100g*
Dimensions	*145x92x45 mm*



Art.No.	*523-5080*
Barcode	*6976367670627*
Temperature	*Measuring range: -50.0℃ ~ 800.0℃ (-58.0 °F ~ 1472.0 °F)* *Accuracy: -50.0℃ ~ 0.0℃ (-58 °F ~ 32 °F) ±2.0℃* *0.0℃ ~ 550.0℃ (32 °F ~ 716 °F) ±1.5%+1*
thermocouple	*Accuracy: -50.0℃ ~ 800.0℃ (-58 °F ~ 1472 °F) ±1.5+1*
Ambient temperature	*-10.0℃ ~ 60.0℃ (14 °F ~140 °F)*
	Accuracy: ±1℃
Environmental humidity	*0% ~ 99%RH* *±4%RH*
Laser power	*< 1mW(630nm-650nm)*
Target distance ratio	*12: 1*
Adjustable emissivity	*0.10-1.00*
Spectral range	*8-14 um*
Infrared temperature	*YES*
Mildew alarm	*Red, yellow, and green prompts*
Data hold	*YES*
Value	*YES*
Low voltage prompt	*YES*
Automatic power off	*YES*
Backlight display	*YES*
Power supply	*9V 6F22*
Weight	*≈ 130g*
Dimensions	*160x111x48 mm*

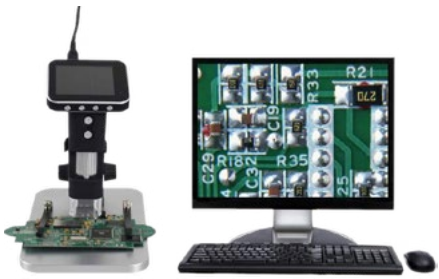
Digital Microscope With Lcd Display

Description

Suitable for inspection and viewing: circuit board, precision parts, ore, material surface, textile fabric,printing products, etc..

- VGA camera sensor, camera rechargeable.
- Manually adjustable focus via hand wheel.
- 10 -fold zoom function (in 10%-steps).
- Colour display, 720 pixels.
- Video format AVI, photo format JPG.
- Mini USB connection for charging cables.
- Mini -SD card slot.





Specification

Product Name	*Digital microscope with LCD display*
Art No.	*521-0347*
Image sensor	*1/6 color CMOS image sensor*
Video resolution	*VGA 720P*
Data format	*JPG/AVI*
Focus mode	*Manual*
Pixel size	*640*480*
Magnification	*200x*
Frame rate	*25F/s*
Focusing range	*10~40mm(visible view)*
Minimum illumination	*0.1Lux*
White balance	*Auto*
Light source	*8 LED lights(adjustable brightness)*
Drive type	*UVC*
Working current	*The maximum 450mA*
Support system	*Win 10/Win 8/Win 7/Vista/Win XP/LINUX*
Power input	*USB-5V*
Interface and signal transmission mode	*Micor/USB 2.0 Power input/USB 5V*
Working temperature	*-20~60℃*
Working humidity	*30%~85%Rh*
Battery capacity	*800mA*

Standard Delivery

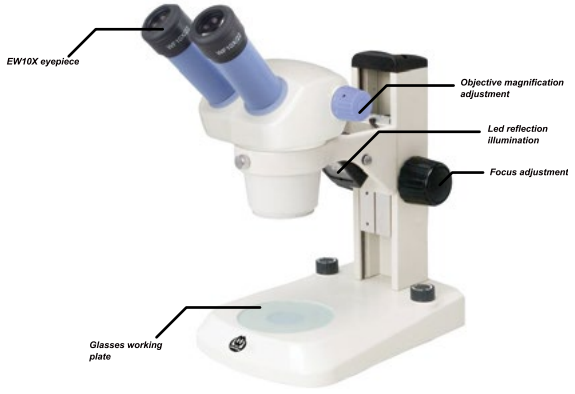
Product Name
Instrument Main Body
Stand with fine adjustment device
CD
Colorbox

Zoom Stereoscopic Microscope(Eco.type)

Description

Ideal instrument in academic, medical and industrial field.

- High quality, high function and excellent costperformance.
- Best choose with ergonomic design, sharp imagedisplay and wide viewing field.
- Providing a wide viewing field of Φ20mm with the zoom ratio of 1:4.5.
- Diopter adjustable.
- High resolution, wide viewing field, long working distance.



Specification

Product Name	Zoom stereoscopic microscope(Eco,type)
Art No.	520-0217
Viewing tube	Binocular head,inclined at 45°
Diopter Adjustment Ey epiece	EW10X/φ20 view field
Zoom objective	1x~4.5x
Zoom ratio	1:4.5
Interpupillary	55~75mm
Working distance of objective	97mm
Illumination	LED Reflection illumination LED Transmission illumination
Power supply	110/220V,50/60Hz
Dimension(LxWxH)	260x190x400mm
Weight	4.3Kg

Standard Delivery

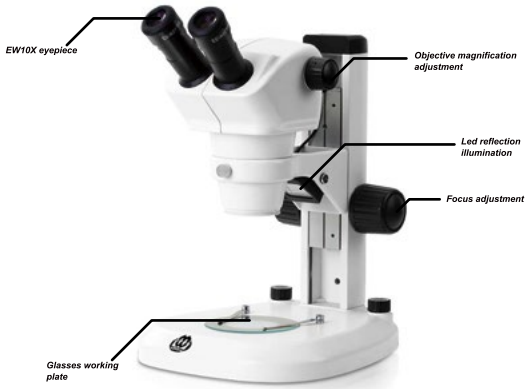
Product Name
Instrument main unit
WF-10X Eyepiece
Glasses working plate
White/Black working acrylic plate
User's manual
Dust cover

Zoom Stereo Microscope

Description

Ideal instrument for industry assembling, inspection and teaching field.

- With high quality optical components, providing sharp and striking contrast image and ensuring flat image at big depth of field.
- Ease the tiredness with ergonomic design.
- With LED light for both incident and transmitted illumination,Providing even illumination and life expectancy can reach 6000 hours.
- With Complete eyepieces,objectives and accessories.
- Diopter adjustable
- High resolution,wide viewing field, long working distance.



Specification

Product Name	Zoom stereo microscope
Art No.	520-0224
Viewing tube	Binocular head,inclined at 45°
Diopter Adjustment Ey epiece	EW10X/φ22 view field
Zoom objective	0.8x~5x
Zoom ratio	6.3:1
Interpupillary distance	55~75mm
Working distance of objective	115mm
Illumination	Incident Illumination 100V~240V/LED Transmitted Illumination 100V~240V/LED
Power supply	110/220V,50/60Hz
Dimension(LxWxH)	290x260x480mm
Weight	5Kg

Standard Delivery

Product Name
Instrument main unit
WF-10X Eyepiece
Glasses working plate
White/Black working acrylic plate
User's manual
Dust cover

3d Motorized Rotation Vedio Microscope

Description

- 360°rotation lens,high defination, Accoding to enterprise standard
- 1080P high-defination 3D image
- Automatic white balance and exposure
- With picture taking and vedio shooting function saved into a flash drive
- Rotation driven by an import DC motor, 45°view angle
- Step zoom lens 0.7X-4.5X, ratio 6.4: 1
- With an operation software
- 2M Pixel Camera,With a 13" display
- Camera with HDMI port X1 and USB port X2
- With a controller, With a worktable stand
- Delivered with a manual, Plastic box



Data

Art.No.	521-2657
Bar code	6974804572657
Magnification	≈ 25X - 150X
Focus	20 mm
View field	18x3.5 mm
View angle	45°
Camera sensor	1/2"CCD
Pixel	2M
Resolution	1920x1080
Frame rate	60 fps
Port	HDMI
Rotation speed	4RPM
Power	220V/ 50/60Hz
Worktable	320x240 mm
Net weight	

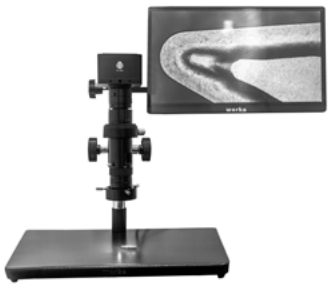
Standard Delivery

Name	
Main unit	X 1
13" display	X 1
rotation controller	X 1
worktable	X 1
16G flash drive	X 1
Wireless mouse	X 1
Packing list	X 1
Manual	X 1

Digital Measuring Microscope With 4k

Description

- 4K megapixel image,large screen, According to Enterprise standard
- With 4K high-defination camera, up to 8M pixel
- Auto white balance and exposure
- With picture taking and vedio shooting function
- Built-in software with more than 40 measuring applications
- Pictures and videos saved to a flash drive
- Step zoom lens 0.7X-4.5X, ratio 6.4: 1
- With a 15.6" 4K display,Plastic box
- Camera with HDMI port X1 and USB port X2
- LED light source,With a controller
- With a worktable stand,Delivered with a manual



DATA

Art.No.	521-2664
Bar code	6974804572664
Magnification	≈ 17.6X - 120X
Camera sensor	1/1.8"CCD
Pixel	8M
Resolution	3840x2160
Frame rate	4K:30fps, 1080P:60 fps
Port	HDMI
Frequency	1GHZ
Power	Adapter
Worktable	570x300 mm
Net weight	
Power	220V/ 50/60Hz
Worktable	320x240 mm
Net weight	

Standard Delivery

Name	
Main unit	X 1
15.6" 4K display	X 1
LED lights	X 1
Light controller	X 1
worktable	X 1
16G flash drive	X 1
wireless mouse	X 1
calibration plate	X 1
Packing list	X 1
Manual	X 1

Magnifier With Led Lamp

Description

- 5X Bright Adjustable Magnifier,Large viewing area
- Dome Lens Magnifying Glass Loupe With Led Light Illuminated
- 3 different brightness by button control
- Micro USB rechargeable, no need to buy batteries, convenient to use
- High quality of the lens, the font will not appear deformed, even long look nor feel dizzy and fatigue
- Large vision lenses,without moving back and forth frequently
- Packed in colourbox



Art No.	Size	Magnification	Barcode
295-8975	94mm	5X	6971570718975

Magnifier With Led Lamp

Description

- For magnifying small parts with additional light source
- Adjustable at any position, with 360° rotation
- High-quality lens,Metal body, powder coated
- Bright illumination with T9 22W circular fluorescent tube
- Extremely low power consumption
- Long LED service life, no risk of breakage
- External switch for use as a table lamp
- With table clamp,Packed in colourbox



Art No.	Lens Diameter	Barcode
295-9002	5"	6971570719002

Desk Magnifier With Led Lamp

Description

- For magnifying small parts with additional light source
- High-quality lens,Bright illumination with 72 ultra bright LED 5W
- Extremely low power consumption
- Long LED service life, no risk of breakage
- External switch for use as a table lamp,Packed in colourbox



Art No.	Lens Diameter	Barcode
295-8999	5"	6971570718999

Magnifier With Led Lamp

NEW

Description

- For magnifying small parts with additional light source
- Adjustable at any position, with 360° rotation
- High-quality lens,Metal body
- Light source: 40pcs SMD LED
- Extremely low power consumption
- Long LED service life, no risk of breakage
- External switch for use as a table lamp
- With table clamp
- Packed in cardbox



Art.No.	Diopter	Size	Barcode
295-7188	3 Diopter	170x108 mm	6976367672508

HARDNESS TESTER AND VISION MEASURING MACHINE

ROCKWELL HARDNESS TESTER

•

ULTRASONIC HARDNESS TESTER

•

PROTABLE HARDNESS TESTER

•

COATING THICKNESS GAUGE

•

VISION MEASURING MACHINE

•

•

•



Digital Rockwell Hardness Tester

Description

Semi automatic hardness tester except loading initial force and change force knob. Operation is very convenient and fast.

- Semi automatic hardness tester except loading initial force and change force knob.Operation is very convenient and fast.
- Motorized control loading,dwell and unloading, eliminates error by manual operation
- Built-in micro processor auto compute max,min,mean and deviation value,resolution is 0.1HR,largely improve accuracy.
- Auto hardness conversion to others scales,no need to check table and improve working efficiency.
- Support Multiple languages, English,Turkish,German, etc. Convenient for local customers operation.
- Save 2000 single testing results and 1000 group results for reviewing and analysis.
- Optional blue tooth mini printer is available.



Specification

Product Name	Digital Rockwell Hardness Tester
Art No.	447-9385
Rockwell Scales	HRA,HRB,HRC,HRD,HRE,HRF,HRG,HRH, HRK,HRL,HRM,HRP,HRR,HRS,HRV
Preliminary Test Force	10Kgf(98.07N)Permitted Error:±2.0%
Addtional Test Force	60Kgf(588.4N),100Kgf(980.7N),150Kgf(1471N)Permitted Error:±1.0%
Dwell Time	Adjustable 1~60s
Hardness Indication	5.2"Color Touch Screen,Resolution:640x480
Resolution	0.1HR
Loading Control	Auto Loading/Dwell/Unloading
Hardness Conversion	HRC,HV,HBS,HBW,HK,HRA,HRD,HR15N, HR30N,HR45N,HS,HRF,HR15T,HR30T,HR45T,HRB
Conversion Standards	ASTM,DIN
Language Option	Chinese,English,German,Portuguese,Turkish,Czech,Korean
Correction Range	-3.0HR to +3.0HR,Step 0.1HR
Data Memory	2000 Single Measuring Result,Curve Analysis,Results Reviewing And Analysis
Data Output	Optional Blue Tooth Mini Printer
Max.Height Of Specimen	175mm
Instrument Throat	165mm
Power supply	AC220V/50Hz,AC110V/60Hz
Dimension(LxWxH)	546x182x755mm
Packing Dimension	620x460x870mm
Gross/Net Weight	120Kg/90Kg
Exeution Standard	GB/T230.2,EN-ISO6508,ASTM E-18

Standard Delivery

Product Name	
Instrument Main Body	1.588mm Ball
Hardness Block(57-70)HRC	Diamond Spheroconical Indenter
Hardness Block(20-33)HRC	Weight A
Hardness Block(85-100)HRC	Weight B
Φ 150mm Flat Anvil	Weight C
Φ 60mm Flat Anvil	Power Cable
Φ 40mm V-grooved Anvil	Instrument Manual
1.588mm Ball Indenter	Accessories Box



Working cupboard(WP-447-WT1) is not included.

Manual Rockwell Hardness Tester

Description

The analogue gauge resolution is 0.5HR, it is useful to improve the reading accuracy than traditional 1HR resolution.

- The force knob adopts the metal material to replace the plastic, it largely improves the instrument using-life.
- The body adopts 10mm cast iron structure, which is durable and suitable for various harsh environments.
- It's intenter protector is available to improve the using lifetime of indenter.
- Application: carbides, carburized steel, hardened steel, surface hardened steel, hard cast steel, aluminum alloy,copper alloy,malleable castings, mild steel, quenched and tempered steel, annealed steel, bearing steel, etc.



Specification

Product Name	Rockwell Hardness Tester
Art No.	447-9408
Rockwell Scales	HL,HRC,HRB,HRA,HV,HB,HS
Preliminary Test Force	10Kgf(98.07N)
Test Force	60Kgf(558.4N),100Kgf(980.7N),150Kgf(1471N)
Dwell Time	Adjustable 1~60s
Hardness Indication	Analogue Display
Resolution	0.5HR
Loading Control	Manual
Max.Height of Specimen	175mm
Instrument Throat	165mm
Power supply	AC220V/50Hz,AC110V/60Hz
Dimension(LxWxH)	546x182x755mm
Packing Dimension	620x460x870mm
Gross/Net Weight	120Kg/90Kg
Exeution Standard	ISO 6508,ASTM E18,JIS Z2245,GB/T230

Standa

Product Name	
Instrument Main Body	Φ1.588mm Steel Ball
Hardness Block(57-70)HRC	Cone Diamond Indenter
Hardness Block(20-33)HRC	Φ 150mm Flat Anvil
Hardness Block(85-100)HRC	Φ 40mm V-shape Anvil
Φ 1.588mm Ball Indenter	Weight A
Accessories Box	Weight B
Anti-dust Cover	Weight C
Qualified Certificate	Instrument Manual

Optional Accessories

Optional Accessories	
1/8" Steel Ball	1/2"Steel Ball
1/8"Steel Indenter	1/2"Steel Ball Indenter
1/4"Steel Ball	1/4"Steel Ball Indenter

Manual Rockwell Hardness Tester



Description

- Suitable for hardness of quenched steel, tempered steel, annealed steel, cold hard castings, malleable castings, hard alloy steel, aluminum alloy, copper alloy, bearing steel, etc.
- Basic type
- Manual testing operation, manual loading and unloading

Art.No.	447-9586
Barcode	6972727959586
Initial test force	10kgf (98.07N)
Total test force	60kgf(588.4N), 100kgf(980.7N), 150kgf(1471N)
Indenter size	Diamond Rockwell indenter ϕ1.588mm
Test force application method	Manual
Scale	HRA, HRB,HRC
R	0.5HR
Max height of the sample	170 mm
Standard	GB/T 230.2
Dimensions	446x238x630 mm
Weight	About 65 kg

Standard Delivery	
Product name	QTY
Instrument main body	1
HRA block	1
HRB block	1
HRC block	3
indenter ϕ1.588mm	1
120 ° Diamond cone indenter	1
Set screw	1
ϕ60mm support	1
ϕ120mm support	1
ϕ60mm V support	1



Ultrasonic Hardness Tester

Description

Ultrasonic hardness tester 447-9392 is a NDT durometer due to the contact indention is too small to observe, it is one of the excellent solution to test hardness of finished products, such as, the mold, gear, shaft, rod, screw, rails, etc.

- Very compact size with integrated probe.
- One instrument two applications—Support ultrasonic probe and Leeb impact device.
- Metal shell—Metallic texture, shield electromagnetic interference effectively, improve instrument stability.
- Color screen display—Display the current measurement value, accumulativemeasurement value, Max, Min and Ave value.
- Bluetooth transferring—Support wireless Bluetooth print and data transferring.
- Mass storage—Save 1000 groups data.
- Calibration access—Save 20 groups calibration data without doing calibration for the same material over and over.

Standard Delivery

Product Name	*Ultrasonic hardness tester*
Art No.	*447-9392*
Measuring range	*HV:50~1599;HRC:20~68 HB:76~650;HRB:41~105;HLD:170~960*
Resolution	*0.1HR,1HV,1HB,1HLD,0.1HS*
Measuring accuracy	*HV:±3%HV ; HRC:±1.5HRC ; HB:±3%HB ; HL:±8HL*
Ultrasonic probe	*Standard delivery:2Kgf (optional manual 1Kgf,5Kgf,10Kgf, motorized 0.3Kgf,0.5Kgf,0.8Kfg and 1Kgf)*
Impact devices	*Standard delivery:D (optional DC,DL,D+15,C,G*
Hardness scales	*Vickers(HV);Rockwell C(HRC); Rockwell A(HRA);Rockwell B(HRB);Brinell(HB)*
Display	*Measurement value,Max,Min,Ave,Sing mode Batch mode,etc*
Data storage	*1000 group test results and 20 group calibration data*
Data transfer	*Bluetooth*
Continuous Working Period	*10h(turn off the backlight)*
Working Environment	*Temperature:-10℃ ~50℃ Humidity:30%~80%R.H.*
Battery Voltage	*4.2V*
Charge Mode	*USB*
Dimension	*165x85x22mm*
Weight	*≤500g(probe not included)*





Schematic diagram of indenter of ultrasonic hardness tester



Rockwell hardness block HRC

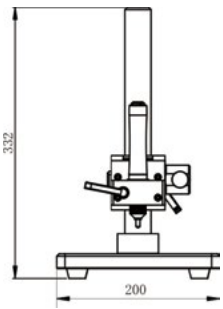
Specification

Product Name	
Instrument Main Body	*1pc*
2Kg Manual probe	*1pc*
Impact devices type D	*1pc*
Rockwell hardness block	*1pc*
Leeb hardness block	*1pc*
Probe cable	*1pc*
Accessories Box	*1pc*
USB Cable	*1pc*
Operation Manual	*1pc*

Testing Stand For Manual Probe

Testing Stand	*447-9392-F15*
Material	*Stainless Steel*
Weight	*8.8Kg*
Dimension(LxWxH)	*200x200x332mm*



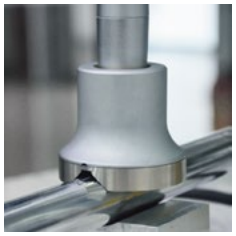


Motorized Probe Feature

- Introduced latest ultrasonic sensor technology
- Obtain accurate hardness value without auxiliary devices
- Excellent human engineering design easy to hold
- Micro indentation,no destructive for specimen
- Motorized control,one key fast measuring
- Eliminate hand shake error by manual probe,higher accuracy and repeatability
- More suitable for thin pieces,coating layer hardness



Art No.	447-9392-003	447-9392-005	447-9392-008	447-9392-010
Remark	Optional	Standard	Optional	Optional
Loading force	3N	5N	8N	10N
Diameter	46mm	46mm	46mm	46mm
Length	200mm	200mm	200mm	200mm
Oscillating Rod Diameter	3.7mm	3.7mm	3.7mm	3.7mm
Min weight of test material	0.3kg	0.3kg	0.3kg	0.3kg
Min thickness of test material	2mm	2mm	2mm	2mm



Measuring hardness of nut with Standard Probe Protector



Measuring the hardness of a cylinder with the samll cylindrical support ring

Manual Probe Feature

- Introduced latest ultrasonic sensor technology
- Obtain accurate hardness value without auxiliary devices
- Support 360° quick measuring
- Excellent human engineering design easy to hold
- Suitable dimension and measuring for probe is convenient to control
- Quick and accurate measuring for edge and fixed position of specimen
- Micro indentation,Non-Destructive for specimen

Art No.	447-9392-003	447-9392-005	447-9392-008	447-9392-010
Remark	Optional	Standard	Optional	Optional
Loading force	10N	20N	50N	98N
Diameter	22mm	22mm	22mm	22mm
Length	154mm	154mm	154mm	154mm
Oscillating Rod Diameter	2.4mm	2.4mm	3mm	3mm
Roughness of measuring surface	Ra < 3.2μm	Ra < 5μm	Ra < 10μm	Ra < 15μm
Min weight of test material	0.3kg	0.3kg	0.3kg	0.3kg
Min thickness of test material	2mm	2mm	2mm	2mm





Plan Support Ring

447-9392-F14

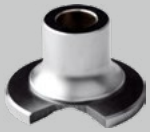
Plan Test Piece



Small Cylinder Support Ring

447-9392-F12

Diameter 8~22mm Test Piece



Big Cylinder Support Ring

447-9392-F13

Diameter 16~80mm Test Piece



Standard Probe Protector

447-9392-F11

-

Optional Accessories

Product Name	Art No.
1Kg Manual probe	447-9392-100
2Kg Manual probe	447-9392-200
5Kg Manual probe	447-9392-500
10Kg Manual probe	447-9392-1000
0.3Kg Motorized probe	447-9392-003
0.5Kg Motorized probe	447-9392-005
0.8Kg Motorized probe	447-9392-008
1Kg Motorized probe	447-9392-010
Rockwell hardness block HRC	447-9392-F01
Vickers hardness block HV	447-9392-F02
Mini Printer	447-9392-F03
Standard Probe Protector	447-9392-F11
Small Cylinder Support Ring	447-9392-F12
Big Cylinder Support Ring	447-9392-F13
Plan Support Ring	447-9392-F14
Testing Stand	447-9392-F15

Portable Hardness Tester

Description

Most suitable for testing the hardness of heavy,big or outdoor metal parts…

- According to ASTM A956,Automatic power off
- Large LCD display with backlight,operates with touch screen
- Communicate with MINI printer via wireless
- Based on HL scale, converted to other hardness scales (HV, HB, HRC, HRB, HS) and tensile strength MPa
- Low and high limits with judgment
- Large memory (about 800 readings)
- Automatic impact device type identification



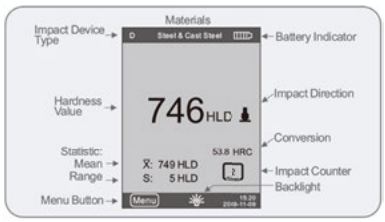
Specification

Product Name	*Portable hardness tester*
Art No.	*447-9415*
Resolution	*1HL,1HV,1HB,0.1HRC,0.1HRB,1HS,1MPa*
Accuracy	*+/-6HL(HL=800)*
Display	*Matrix LCD with Backlight,Hardness HL, conversion hardness,impact direction,test times, average value,material,date*
Impact Devices	*Standard delivery:D (optional DC,DL,D+15,C,G;automatic identification)*
Power Supply	*1.5V*3(AAA alkaline batteries)*
Printer	*Wireless Mini-printer*
Dimensions	*135x83x24mm*
Weight	*350g(include D type impact device)*
Certificate	CE

Standard Delivery

Product Name
Instrument Main Body(display unit)
Impact device D
Standard test block
Mini printer
Small supporting ring
Cleaning brush
User's manual,Certificate
AC/DC adapter
USB cable,PC software disc

Display Comments



Impact Devices

Standard delivery:D(optional DC,DL,D+15,C



Portable Hardness Tester

Description

Portable Hardness Tester is a small, light and portable tester.It is most suitable for testing of heavy, big or outdoor metal parts.it's a small, light and portable tester.

- It conforms to the Standard ASTM A956-02 & DIN 50156

Technical Parameters

Accuracy	*±6 HL*
Art No.	*447-9422*
Scales	*HRC,HRB,HB,HV,HSD,MPa*
Display	*Bright and clear LCD display with backlight*
Testing direction	*All direction*
Optional Impact Device	*D,DC*
Printer	*Mini thermal printer with RF Wireless*
Operating voltage	*4.5V(3AAA batteries)*
Operaing enviroment	*Temperature:-10~+40℃ Humidiy:5%~95%*
Storage environment	*Temperature:-30%~+80℃ Humidity:5%~95%*
Dimensions	*152x83x27mm*
Weight	*Approx.190g*
Accessories	*Display Unit,Impact Device D,Test Block Mini-printer,Charger,Little Support Ring,Cleaning Brush*
Certificate	CE





Portable Hardness Tester and it's standard accessories: Mini-Printer,Display Unit,Test Block.

Portable Hardness Tester

Description

- Standards: GB/T 17394.1-2014, ASTM A956, JJG747-1999, DIN50156
- Supports full angle measurement without the need for manual direction setting
- TFT color display, suitable for outdoor use
- Equipped with digital probe or wireless probe
- With magnetic suction function
- Low value display
- Upper and lower limit alarms, graphical display
- Wireless printing of data, can connect to the computer wirelessly
- Data is stored in the cloud and can be downloaded and viewed at any time
- Battery AAx2



Art.No.	447-9419	447-9419W
Barcode	6976367670917	6976367670924
Measuring method	Leeb hardness dual coil measurement method	
Display	2.4" TFT color screen display 320x240	
Accuracy	±0.3% HL=800/±2HL	
Scale	HL,HRC,HRB,HRA,HB,HV,HS,MPa	
Range	HLD170~960, HRC1.3~74.7, HRB1.2~139.7, HRA1.3~88.5, HB28~1027, HV45~1221, HS4.0~112.1, MPa118-3315N/mm2	
Material	Carbon steel, cast steel, alloy tool steel, stainless steel, gray cast iron, ductile iron, cast aluminum, brass, bronze, copper, forged steel, rolling mill	
Curves	106 curves	
Probe	Type D standard probe	Type D wireless probe
Interface	USB/ Bluetooth	
Data memory	999 data	
Statistics function	Average / Max. / Min. / S. value	
Sound	Upper and lower limit alarm, low voltage prompt, and buzzing sound prompt	
Operating Conditions	Temperature:-20~45°C,Humidity:<85%RH	
Power Supply	2x1.5V AA	
Dimensions	68x28x145mm	
Weight	158g	

Portable Hardness Tester

Description

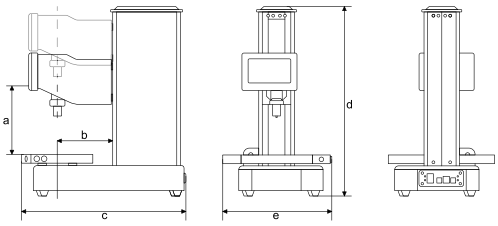
- Multiple models of impact measuring heads can be selected
- Type D: commonly used model, suitable for most scenarios
- Type DC: used in narrow spaces, such as inner holes,cylinder blocks, or measurement scenes inside parts
- Type C: suitable for surface hardening treatment of workpieces, such as coated and thin-walled workpieces
- Type DL: particularly narrow spaces, such as narrow grooves, bottom of grooves, gears, and other scenes
- Type D+15: suitable for measuring grooves and concave surfaces
- Standards: DIN 50156, DGZfP Guideline MC 1, VDI / VDE Guideline 2616, ISO 18625,ASTM A956, GB/T 17394,JB/T 9378, JJG 747, CNAL T0299, JIS B7731
- Integrated design
- All direction (Automatic identification)
- Accuracy ±4HL
- LCD with backlight
- Li-Ion Battery, Rechargeable
- With USB port
- Mini thermal printer with wirless(Optional)



Art.No.	Type	Size	Net weight	Barcode
447-727-D	D	147x35x22 mm	100g	6976367674342
447-727-DC	DC	86x35x22 mm	75g	6976367674359
447-727-C	C	141x35x22 mm	100g	6976367674366
447-727-DL	DL	202x35x22 mm	125g	6976367674373
447-727-D15	D+15	162x35x22 mm	125g	6976367674380

Automatic Shore Hardness Tester





Description

- According to ASTM D2240 , ISO7619-1, GB/T531.1
- Driven by a stepping motor and loaded by spring
- automatic measurement with one-button operation
- 3 probe types available (Type A,Type D and Type OO)
- Test stand available(Optional)
- Both button control and touch screen workable
- Data transmission via USB cable
- Power supply: DC24V 5A
- Operation temperature: -10℃ ~ 40℃ , 20 ~ 80%RH

Overall Dimension(mm)

Range	a	b	c	d	e
0-100H	160	120	372	419	243.5

- Continuous measurement available
- Integrated base to ensure a stable operation
- Delivered with a manual

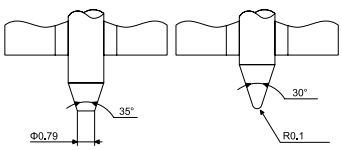
Art.No.	Range	Scale	Sliding stroke	Size	Barcode
446-AU05	0-100 H	0.1 H	80 mm	372x243.5x419 mm	6974804574576

Shore Durometer

Description

- According to national metrological verification regulation
- According to DIN 53505,ASTM D2240,ISO/R868,JIS R7215
- With peak value indicator(red pointer)
- Test stand available(optional)
- Delivered with a manualPlastic box
- Shore A for low and medium hardness material such as soft rubber, soft plastic, leather
- Shore D for medium hardness and above material such as hard rubber, hard plastic,acrylic plate,fibre





Art.No.	Range	Scale	Indenter Stroke	Size	Net weight	Barcode
446-100A	10-90 HA	1 HA	2.5 mm	115x60x25 mm	160 g	6974804571445
446-100D	10-90 HD	1 HD	2.5 mm	115x60x25 mm	160 g	6974804571452



WP-446-100A-03



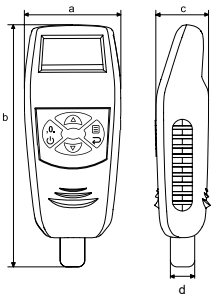
WP-446-100D-03

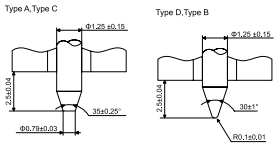
Optional Stand

Art.No.	Demension	Weight	Weight	Net Weight	Barcode
WP-446-100A-03	100x212x250 mm	For SHORE A (446-100A)	1 Kg	10 Kg	6976367672492
WP-446-100D-03	100x215x250 mm	For SHORE D (446-100D)	5 Kg	16 Kg	6974804571452

Digital Shore Durometer







Description

- According to national metrological verification regulation According to ASTM D2240 , ISO7619-1, GB/T531.1
- Mode: Average,max value, timing etc.
- Data storage, search, printing and upload to PC available
- Test stand (optioinal),Battery: rechargeable
- 500 memories,wireless printer available
- Delivered with a manual,Plastic box
- Shore A for low and medium hardness material such as soft rubber, soft plastic, leather.
- Shore D for medium hardness and above material such as hard rubber, hard plastic,acrylic plate,fibre.

Overall Dimension(mm)

Range	a	b	c	d
0-100HA	50.5	150	29	18
0-100HD	50.5	150	29	18

Art.No.	Range	Scale	Indenter Stroke	Size	Net weight	Barcode
446-110A	0-100 HA	0.1 HA	2.5 mm	150x50x29 mm	170 g	6974804571445
446-110D	0-100 HD	0.1 HD	2.5 mm	150x50x29 mm	170 g	6974804571452

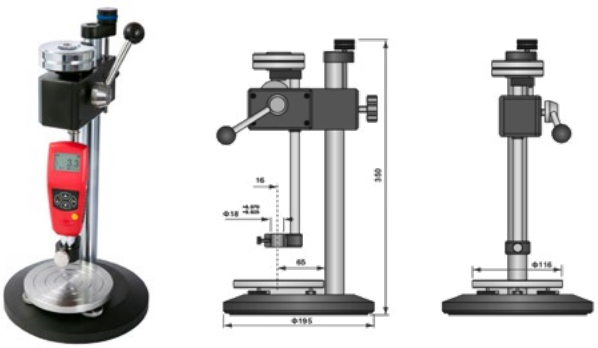
Standard delivery

- Main unit, Calibration block
- USB Cable, Adapter



Optional

	Art.No.	Descrption
Type A test stand	WP-446-110A-01	"worktable: ¢ 115mm, Stand size: ¢ 195x370mm (With Shore A durometer to achieve less deviation)"
Type D test stand	WP-446-110D-01	"worktable: ¢ 115mm, Stand size: ¢ 195x370mm (With Shore D durometer to achieve less deviation)"



Optional

	Art.No.
Wireless printer	WP-446-110-P20



Digital Force Gauge

Description

- Metal construction
- Measurement units conversion: N, kgf, lbf, ozf and gf
- Touch pad，easy to operate
- Protection mechanism to prevent overload damage
- Automatic reversible display
- Variety of alarm output function
- USB Data output
- Packed in plastic box



Specification

Measuring unit	N, kgf, lbf, ozf, gf
Measuring mode	Track, Peak, AutoPeak
Accuracy	±0.2% F.S.
Display	160*128 dot matrix LCD with LED Backlight
Overload Capacity	120% F.S.
Overload Protection	Overload protection mechanism
Sampling Rate	2000Hz
Power	3.6VDC 800mAH Ni-MH rechargeable battery Input:110~240VAC
Dimensions	160x73x34mm
Weight	700 g

Art.No.	Capacity	Resolution
9214-0005P	5 N	0.0005 N
9214-0010P	10 N	0.001 N
9214-0020P	20 N	0.005 N
9214-0500P	50 N	0.005 N
9214-0100P	100 N	0.01 N
9214-0200P	200 N	0.05 N
9214-0500P	500 N	0.05 N
9214-1000P	1000 N	0.1 N

Art.No.	9214-0005P	9214-0010P	9214-0020P	9214-0050P	9214-0100P	9214-0200P	9214-0500P	9214-1000P
Range and Resolution	5 / 0.0005 (N)	10 / 0.001 (N)	20 / 0.005 (N)	50 / 0.005 (N)	100 / 0.01 (N)	200 / 0.05 (N)	500 / 0.05 (N)	1000 / 0.1 (N)
	-	1 /0.0001 (kgf)	2 /0.0005 (kgf)	5 /0.0005 (kgf)	10 /0.001 (kgf)	20 /0.005 (kgf)	50 /0.005 (kgf)	100 /0.01 (kgf)
	1.1 / 0.0001 (lbf)	2.2 / 0.0005 (lbf)	4.4 / 0.001 (lbf)	11 / 0.001 (lbf)	22 / 0.005 (lbf)	44 / 0.01 (lbf)	110 / 0.01 (lbf)	220 / 0.05 (lbf)
	18 / 0.005 (ozf)	35 / 0.01 (ozf)	70 / 0.01 (ozf)	180 / 0.05 (ozf)	350 / 0.1 (ozf)	700 / 0.1 (ozf)	180 / 0.5 (ozf)	350 / 1 (ozf)

Digital Force Gauge

Description

- Metal construction
- Light weight design
- Measurement units conversion: N, kgf, lbf, ozf and gf
- Touch pad, easy to operate
- Protection mechanism to prevent overload damage
- Automatic reversible display
- Variety of alarm output function
- USB & RS232 Data output
- Packed in plastic box



Specification

Measuring unit	N, kgf, lbf, ozf, gf
Measuring mode	Track, Peak, Preset
Accuracy	±0.3% F.S.
Display	160*128 dot matrix LCD with LED Backlight"
Overload Capacity	120% F.S.
Overload Protection	Overload protection mechanism
Sampling Rate	1000Hz
Memory	500 data
Power	3.6VDC 800mAH Ni-MH rechargeable battery Input:110~240VAC
Dimensions	150x72x33mm
Weight	450 g

Art.No.	Capacity	Resolution
9214-0010N	10 N	0.01 N
9214-0050N	50 N	0.01 N
9214-0100N	100 N	0.1 N
9214-0500N	500 N	0.1 N
9214-1000N	1000 N	1 N

Art.No.	9214-0010N	9214-0050N	9214-0100N	9214-0500N	9214-1000N
Range and Resolution	10 / 0.01 (N)	50 / 0.01 (N)	100 / 0.1 (N)	500 / 0.1 (N)	1000 / 1 (N)
	1 / 0.001 (kgf)	5 / 0.001 (kgf)	10 / 0.01 (kgf)	50 / 0.01 (kgf)	100 / 0.1 (kgf)
	2.2 / 0.001 (lbf)	11 / 0.01 (lbf)	22 / 0.01 (lbf)	110 / 0.1 (lbf)	220 / 0.1 (lbf)
	35 / 0.01 (ozf)	180 / 0.1 (ozf)	350 / 0.1 (ozf)	1800 / 1 (ozf)	3500 / 1 (ozf)
	1000 / 1 (gf)	5000 / 1 (gf)	-	-	-

Accessories For Digital Force Gauge

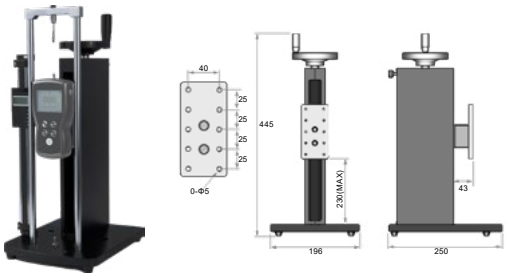


Description

- MINI wireless printer

Specification

Art.No.	WP-9214-P01
Interface	2.4GHz wireless, RS232
Paper size	width 58mm, diameter ≤30mm
Operation Environment	-10~50 °C; 20%~85%RH
Storage Environment	-20~70 °C; 5%~95%RH
Power	Rechargeable Ni-HM battery,700mAh
Dimensions	90x76x36mm
Weight	220 g(except paper roll)



Description

- Test stand for digital force gauge
- Rugged construction, easy to use
- Precision manual handwheel
- Stand travels 3 mm for every turn
- Capacity Up to 125 kg(1200 N)
- Weight: 7Kg

Art.No.	Size
WP-9214-P03	196x250x445 mm



Description

- Motorized test stand for digital force gauge(Vertical type)
- Mutiple operation modes: Manual,Auto Cycle, Demo for teaching
- Mutiple output & input: USB, RS232, Set point
- Mutiple protection: Force gauge setpoint, Limit switch, Locked rotor

Specification

Art.No.	WP-9204-VT05
Display	Dot matrix LCD with backlight
Travel	220 mm
Resolution of Displacement	0.1 mm
Accuracy of Displacement	±0.3 mm
Adjustable speed	0.6~12mm/sec(adjustable)
Speed setting accuracy	±3%
Resolution of speed	0.1mm/sec
Capacities	65 Kg(650 N)
Signal output	USB(to PC)
Signal input	RS232,set point(from force gauge)
Power supply	100~230 VAC(1 A)
Dimensions	340x180x630mm
Weight	15.5 Kg



Description

- Motorized test stand for digital force gauge(Horizontal type)
- Mutiple operation modes: Manual,Auto Cycle, Demo for teaching
- Mutiple output & input: USB, RS232, Set point
- Mutiple protection: Force gauge setpoint, Limit switch, Locked rotor

Specification

Art.No.	WP-9214-HT05
Display	Dot matrix LCD with backlight
Travel	220 mm
Resolution of Displacement	0.1 mm
Accuracy of Displacement	±0.3 mm
Adjustable speed	0.6~12mm/sec(adjustable)
Speed setting accuracy	±3%
Resolution of speed	0.1mm/sec
Capacities	65 Kg(650 N)
Signal output	USB(to PC)
Signal input	RS232,set point(from force gauge)
Power supply	100~230 VAC(1 A)
Dimensions	340x180x630mm
Weight	13.5 Kg

Force Gauge



Description

- Used for push and pull force test
- Match to all kinds of test stand and grips
- Two units: Newton and Kilogram
- Compact size, easy to operate and handy to carry out
- Packed in plastic box

Art.No.	Capacity	Resolution	Accuracy Error
9215-010	10 N	0.05 N	±1% (of load capacity)
9215-020	20 N	0.1 N	±1% (of load capacity)
9215-030	30 N	0.2 N	±1% (of load capacity)
9215-050	50 N	0.2 N	±1% (of load capacity)
9215-100	100 N	0.5 N	±1% (of load capacity)
9215-200	200 N	1.0 N	±1% (of load capacity)
9215-300	300 N	2.0 N	±1% (of load capacity)
9215-500	500 N	2.0 N	±1% (of load capacity)

Tension Gauge Set



Description

- Used for testing tension of bandsaw blade
- Include main instument, feeler gauge, knife straight edge
- Packed in aluminum box

Instruction

- Slack the tension off the blade, attach the fixed arm of the tension gauge on the back edge of the blade.(ensure the tension gauge is fixed parallelly)
- Set the dial ring to zero position by rotate the dial bezel
- Apply tension on the blade, the dial will start showing reading on scale

Art.No.	Measuring range	Tension parameters			Barcode
9213-TG35	140-240Mpa/20-35kpsi	27mm saw blade	140~170 Mpa	20~25 Kpsi	6976367671860
		34mm saw blade	170~190 Mpa	23~28 Kpsi	
		41mm saw blade	190~210 Mpa	27~32 Kpsi	
		≥54mm saw blade	210~240 Mpa	30~35 Kpsi	

Dial Tension Gauge



Description

- Used for testing spring pressure in precision machinery industries
- Clockwise and counterclockwise use

Art.No.	Measuring range	Resolution	Accuracy error	Barcode
9213-030-PG	3-30gf	0.5gf	±2% (full scale)	6976367675585
9213-500-PG	50-500gf	10gf	±2% (full scale)	6976367675554

Coating Thickness Gauge

Description

Quick one-hand operation. Place instrument on specimen and see the measured value.

- Magnetic induction method (ISO 2178,ASTM D7091), Measurement of non-magnetic coatings on magnetic substrates.
- Quick one-hand operation. Place instrument on specimen and see the measured value.
- Ready to measure immediately without calibration.
- Easy to perform zero-point correction provides correct measurement results for measuring applications with little changes in shape and substrate material.
- The one-point calibration function allows for an adaptation in cases of severe changes in shape or substrate material.
- Data transmitting to PC via USB cable.
- Statistic function allows for evaluation of a measurement series and display of the most significant characteristic statistical values



Specification

Product Name	*Coating thickness gauge*
Art No.	*542-9453*
Range	*0~1500μm(0~60 mil)*
Resolution	*0~999μm;0.1μm, ≥1000μm;1μm*
Accuracy error	*0~100μm: ±1.5μm 101~1500μm: ≤1.5%*
Data Memory	*1500 readings*
Display	*Matrix LCD with Backlight*
Power	*1.5V*3(AAA alkaline batteries)*
Dimensions	*88x67x30mm*
Weight	*160g*
Certificate	CE

Standard Delivery

Product Name
Instrument Main Body(display unit)
Sensor
Zero calibration block
Certification foils set
1.5V AAA battery
Software and Data cable
User's manual,Certificate
Printer(optional accessory)

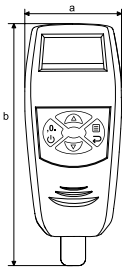
Coating Thickness Gauge

Description

Quick one-hand operation. Place instrument on specimen and see the measured value.

- Very compact size with integrated probe.
- Magnetic induction method, Measurement of non-magnetic coatings on magnetic substrates.
- Data memory is up to 500 readings.
- Ready to measure immediately without calibration.
- Easy to perform zero-point correction.
- The one-point calibration function.Statistic function





Specification

Product Name	*Coating thickness gauge*
Art No.	*542-9439*
Range	*0~1250μm(0~50 mil)*
Resolution	*0~999μm;0.1μm, ≥1000μm;1μm*
Accuracy error	*0~100μm: ±2μm 101~1250μm: ≤2.5%*
Data Memory	*500 readings*
Display	*Matrix LCD with Backlight*
Power	*1.5V*3(AAA alkaline batteries)*
Dimensions	*1.5x50.5x29mm*
Weight	*110g*
Certificate	CE

Standard Delivery

Product Name
Instrument Main Body(display unit)
Certification foils set
1.5V AAA battery
User's manual,Certificate
Softbag

Coating Thickness Gauge

Description

Widely used in manufacturing, such as metal manufacturing, chemical, commodity inspection and other measurement fields area.

- 2in1 for steel and aluminum
- Adopt high-speed MCU and advanced algorithm to ensure the accuracy and efficiency of measurement.The instrument supports fast measurement and continuous measurement, and the measurement speed can reach 0.3s/time
- The wear-resistant metal probe can ensure stable data when measuring on hard or rough surfaces, and the probe wears more than 500,000 times
- small in size, light in weight and easy to carry
- Wide measurement range, high precision and good stability, which can meet the measurement of ultra-thin coatings
- Automatic power off, Large LCD display, easy to reading
- Prime plastic box



Art.No.	*542-0252*
Barcode	*6976367670252*
Measuring range	*0~1500 μm*
Resolution	*0.1μm (0-99.9μm), 1μm (100-1500μm)*
Accuracy	*±2%H+1μm H=coating thinkness*
Measurement Mode	*Single/Continuous*
Unit Options	*μm / mil*
Thinnest Substrate	*0.3 mm*
Minimum Curvature	*convex 5mm/ concave 25mm*
Operating Conditions	*Temperature:-10~50°C Humidity:10~85%RH*
Power Supply	*2x AAA Battery (1.5V)*
Dimensions	*101x61x26mm*
Weight	*54g(Without Batteries)*

Coating Thickness Gauge With V-Type

Description

Coating thickness gauge with V-type probe applies magnetic induction method to identify magnetic substrates automatically for the measurement of coating thickness in a quick and nondestructive way, which is widely used in lab, construction site and automobile industries and so forth.

- Suitable for round workpieces with a diameter of less than 100mm
- Fe Magnetic induction
- Carbide probe
- Fast and automatic identification for magnetic substrate
- High accuracy and stable, thickness measurement up to 1-5μm coating
- 0.3s/times
- Automatic power off, Large LCD display, easy to reading
- Prime plastic box



Art.No.	*542-0245*
Barcode	*6976367670245*
Measuring range	*0~1500 μm*
Resolution	*0.1μm (0-99.9μm), 1μm (100-1500μm)*
Accuracy	*±2%H+1μm H=coating thinkness*
Measurement Mode	*Single/Continuous*
Unit Options	*μm / mil*
Thinnest Substrate	*0.3 mm*
Minimum Curvature	*F: convex 1.5mm*
Operating Conditions	*Temperature:-10~50°C Humidity: < 85%RH*
Power Supply	*2x AAA Battery (1.5V)*
Dimensions	*101x61x26mm*
Weight	*54g(Without Batteries)*

Ultrasonic Thickness Gauge

NEW

Description

Used for measuring thickness and corrosion of pressure vessels,chemical equipment, boilers,oil storage tanks,etc. in industries of petroleum, shipbuilding,power station, and machine manufacturing.

- Multi-mode: Pulse-Echo mode (used for flaw and pit detection) and Echo-Echo mode (used for measurements eliminating paint or coating thickness)
- Using the latest high performance and low power consumption microprocessor technology
- Automatic memory material code and sound velocity value, convenient to use
- Use USB/RS-232 data output to connect with PC
- With coupling status prompt function
- Automatic power off



Art.No.	543-1030	543-1060
Barcode	6976367671761	6976367671778
Working mode	There are two working modes of thickness measurement: single mode and scan mode	
Display	LCD LCD with backlight	
Measuring unit	mm/in	
Range	Pulse-Echo mode: 1.0mm~300mm(in steel) Echo-Echo mode: 3mm~30mm	Pulse-Echo mode: 0.65mm~600mm(in steel) Echo-Echo mode: 3mm~60mm
Resolution	0.1mm / 0.01mm / 0.001inch	
Accuracy	±(0.5%n+0.05mm), depends on materials and conditions	
Measurement Period	4 times per second for single point mode and 10 times per second for scan mode	
Sound Velocity	1000m/s~9999 m/s	
Data storage	Memory for up to 20 files(99 values for each file)of stored values	
Operating Conditions	Temperature:0~40°C Humidity:<85%RH	
Power Supply	4x1.5V AAA(UM-4)Battery	
Dimensions	142x72x34mm	
Weight	175g(Not Including Batteries)	

Ultrasonic Thickness Gauge

NEW

Description

Used for measuring thickness and corrosion of pressure vessels,chemical equipment, boilers,oil storage tanks,etc. in industries of petroleum, shipbuilding,power station,and machine manufacturing.

- Suitable For Various Materials Such As Steel, Stainless Steel, Aluminum, Glass, Polystyrene, Polyethylene
- Auto Probe Zero Calibration
- Auto Probe Identify
- 5MHz Dual element probe
- Measuring Range: 0.65-400mm
- 9 Material Velocities Are Stored For Selection Or Input The New Velocity
- Large display with backlight
- Auto/Manual Gain Adjustable
- Automatic power off



Art.No.	543-2040
Barcode	6976367674083
Display	LCD with backlight 128x64
Range	T-E mode: 0.65mm~400mm
Resolution	0.01mm / 0.001inch
Accuracy	±0.04mm(when thickness<9.99mm) ±(0.1% thickness+0.04)mm when thickness=10-99.9mm) ±0.3% thickness mm when thickness>100mm
Probe	Dual element, 5MHz
Sound Velocity	1000m/s~9999 m/s
Meaurment rate	2/s and 10/s in fast mode
Operating Conditions	Temperature: -20~50°C Humidity: <85%RH
Power Supply	2x AAA Battery
Dimensions	115x64x27mm
Weight	220g(Including Batteries)

Vibration Tester

NEW

Description

The Vibration Tester Applied to the periodic motion measurements to detect moving mechanical imbalances and misaligned. Designed for on-site measuring various mechanical vibration, for quality control, running time and prior equipment maintenance data. Selection of high-performance accelerometers to achieve accurate, replicable measurement It has a bearing condition measurement function

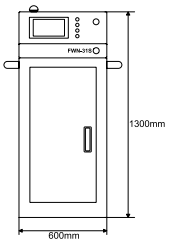


- Meet ISO 2954, used for periodic measurements, to detect out-of-balance, misalignment and other mechanical faults in rotating machines
- Wide frequency range (10Hz~10kHz) in acceleration mode
- Individual high quality accelerometer for accurate and repeatable measurements
- Bearing condition monitoring function
- AC output socket for headphones and recording
- Optional headphones for use as electronic stethoscope
- Use USB data output with connection PC

Art.No.	*527-400VA*
Barcode	*6976367674090*
Accuracy	*±5% +2 digits*
Measuring range	*Displacement : 0.001-4.000 mm equivalent peak-peak* *Velocity : 0.1-400.0 mm/s true RMS* *Acceleration : 0.1-400.0 m/s² equivalent peak*
Frequency range	*Displacement : 10Hz. ~ 1kHz.* *Velocity :10Hz. ~1kHz* *Acceleration: 10Hz. ~ 10kHz*
Operating Conditions	*Temperature: 0~50°C Humidity:<90%RH*
Analogue Output	*AC output 0~2.0V peak full scale (load resistance: above 10k)*
Power Supply	*4x AAA Battery 1.5V*
Dimensions	*140x70x30mm*
Weight	*130g(No Batteries)*

Fwn-31s Automatic Bearing Ring Tester





Description

- Suitable for mass testing of ring-shaped parts, automatic sorting, feeding and unloading etc.
- For bearing rings and ring-shaped parts
- To measure OD, ID and thickness etc.
- Auxiliary test: the spherical surface of bearing rings or circlar groove processed or not
- Quenched and ground measuring datum
- Carbide tips,THK precision guide
- high precision grating displacement transducer
- PLC control system
- Built-in interfaces such as control,calibration, data monitoring and data management.
- Power: AC Volts 220V±15: Frequency 50HZ
- Air source: 0.4~0.6Mp, Air hose¢ 8mm
- Operation temperature:0°C ~ 40°C Humidity <90%RH
- Delivered with a manual



Control interface



Calibration interface



Measurement interface



Data monitoring interface

Art.No.	*5280-100*
Model	*FWN-31S*
Range (OD)	*¢ 30-100 mm*
Range(ID)	*¢ 20-90 mm*
Range(thickness)	*10-30 mm*
Resolution	*0.0002 mm*
Indication error	*±0.005 mm*
Repeatability	*0.005 mm*
Inspecting frequency	*3~6s/pcs*
Size	*600x400x1300 mm*
Net weight	*≈ 100 KG*



Hand-Held Roughness Tester

Description

490-9538 hand-held roughness tester is ergonomically designed and a mechanical- electrical integration product, small and light, easy to operate. It is very much applicable for the measurement (e.g. plane, curvature, oblique plane, hole, groove, shaft) on site such as roughness inspection for parts in IQC warehouse, semi-finished products area and workshop etc.

- Split design for flexible use with brackets
- Measuring range up to 160μm
- 3.8in TFT touch screen, clear and direct roughness graphs
- With BT to support wireless connection with smart phone and mini printer
- Big data memory, 100 readings and graphic groups record
- Auto power off, Premium PCB and software design







Standard Set

Product Name	
Host	Charger
Drive sensor	Stylus
Probe	Small bracket
Calibration blocks	Operation Manual
Connection Cable, USB cable	Carrying case

Granite Table (Option)

Product Name	
Granite Table	WP-490-P01
Material	Natural Granite
Adjustable Height	300mm
Platform size	400x250x70mm

Data

Product Name	Hand-held Roughness Tester	
Art No.	490-9538	
Measuring range	Z-axis vertical	±80μm/±160 μm
	X-axis horizontal	20mm
Resolution	Z-axis vertical	0. 01μm/±20μm
		0. 02μm/±40μm
		0. 04μm/±80μm
		0. 08μm/±160μm
Description	Z-axis vertical	Ra,Rz,Rq,Rt,Rp,Rv,R3z,R3y,Rz(JIS),Rs,Rsk,Rsm,Rku, Rmr,Ry(JIS), Rmax, RPc, Rk, Rpk, Rvk, Mr1, Mr2)
	applicable standards	ISO,ANSI,DIN,JIS
	Graphics	material ratio curve, roughness profile, contour
Filters		RC,PC-RC,Gauss,D-P
Sampling Length		0.25, 0.8, 2.5mm
Assessment length		Ln= lr×n,n=1~5
Senor	Measuring principle	differential conductance displacement sensor
	Contact tip	diamond, taper 90°,radius of contact tip 5μm
	Measuring force	<4mN
	Guide	carbide, radius of moving direction
	Moving speed	lr=0.25, Vt=0.135mm/s
		lr=0.8, Vt=0. 5mm/s
		lr=2. 5, Vt=1mm/s
		Return Vt=1mm/s
Accuracy error		<±10%
Repeatability		<6%
Power		Built-in Li-ion rechargeable battery, Charge
Size		host: 64*53*160mm,Drive: 23*27*115mm
Host Weight		380g
Operaing enviroment		temperature: - 20℃ ~40℃ Humidity: < 90% RH
Storage enviroment		temperature: - 40℃ ~60℃ Humidity: < 90% RH

Portable Roughness Tester

Description

- Suitable for mechanical manufacturing, aerospace and automobile industries etc.
- Integrated design for easy use
- With ARM to control and process data,low power consupmtion
- Parameмters available,Inductive transducer
- Diamond stylus
- With standard transducer(other transducers optional)
- Built-in module makes wireless printing and data transmission available
- To connect PC and printer via USB.
  And PC software online upgrading available.
- App on mobile phone to control it synchronically
- Built-in Li-ion battery
- Memory of 200 data and waveform
- Expandable Micro SD card,up to 16GB
- Delivered with a manual,Fancy plastic box







Art.No.	490-8923
Bar code	6972727958923
Measuring Range	Ra:0.025-12.5μm
Parameters	Ra、Rz、Ry、Rq、Rt、Rp、Rv、Rmax、R3z、RSk、RS、RSm、Rmr
Displaying range	Ra、Rq:0.005-16μm;Rz、Ry、Rt、Rp、Rv、Rmax、R3z:0.02-160μm;RS、RSm:1mm;Rmr:0-100%(%Rt);Rsk:0-100%
Span	±20μm、±40μm、±80μm
Resolution	0.001μm
Filter	RC、PC-RC、GAUSS、D-P
Specimen	0.25mm,0.8mm,2.5mm
Max driving stroke	17.5mm/0.7inch
Min. driving stroke	1.3mm/0.052inch
Indication error	≤±10%
Indication variation	≤6%
Display	128×64 OLED matrix(self-illumination)
Power supply	Built-in rechargeable Li-ion battery
Size	140mm×52mm×48mm
Weight	440g

Standard Delivery

Name	Qty
Main unit	1
standard transducer	1
standard plate	1
testing pad	1
Mini stand	1
Adapter	1
Flash drive(software package)	1
Manual	1
Packing list	1
Certificate	1
Warranty card	1

Optional

	Art.No.
Wireless printer	WP-490-8923-S06
Standard sensor	WP-490-8923-S01
Small hole sensor	WP-490-8923-S02
Deep slot sensor	WP-490-8923-S03
Curvature sensor	WP-490-8923-S04
Groove sensor	WP-490-8923-S05





Standard Sensor



Small hole Sensor



Deep Groove Sensor



Extra small hole sensor



Curved Surface Sensor

Profile Projector

Description

- Standard digital profile projector, neat appearance and good reliability
- According to enterpise standard
- Applicable for workpiece direct and comparative measurement



Art No.(inverted image)		5291-1005		5291-1505	
Art.No.(erect image)		5291-1005N		5291-1505N	
Axis X travel		100 mm		150 mm	
Axis Y travel		50 mm		50 mm	
Axis Z travel		90 mm(Focusing)			
Glass worktable		175x100 mm		196x96 mm	
Metal worktable		306x152 mm		340x152 mm	
Resolution(X/Y axis)		0.5μm			
Indication error		E1XY=(2.5+L/75)μm		E1XY=(3+L/50)μm	
Projector screen		Dia.: 300 mm			
Rotary range		0°-360°			
Resolution		1′/ 0.01°			
Lens	Magnification	10X (Standard)	20X (Optional)	50X (Optional)	100X (Optional)
	Objective view	30 mm	15 mm	6 mm	3 mm
	Working distance	77.7 mm	44.3 mm	38.4 mm	25.3 mm
	Measuring height	80 mm	80 mm	80 mm	80 mm
Power supply		AC 100-240V 50/60Hz			
Total power		400W			
Weight		125 kg		130 kg	
Size		770x550x1100 mm			

High Precision Profile Projector

Description

- High precision profile projector, classic design and high performance
- According to Enterprise standard
- Applicable for workpiece direct and comparative measurement in a faster manner
- With a multifunctional data processing meter in an easy way to collect and analyze data
- With a foot switch



Art No.(inverted image)	5291-1510H	5291-2010H	5291-2515H	5291-2919H	5291-4030H
Art.No.(erect image)	5291-1510HN	5291-2010HN	5291-2515HN	5291-2919HN	5291-4030HN
Axis X travel	150 mm	200 mm	250 mm	295 mm	400 mm
Axis Y travel	100 mm	100 mm	150 mm	195 mm	300 mm
Axis Z travel			100 mm(Focusing)		
Glass worktable	210x160 mm	260x160 mm	306x196 mm	320x220 mm	450x350 mm
Metal worktable	354x228 mm	404x228 mm	450x280 mm	500x330 mm	606x466 mm
Resolution(X/Y axis)			0.5μm		
Indication error			E1XY=(2.5+L/100)μm		
Projector screen			Dia.: 300 mm		
Rotary range			0°-360°		
Resolution			1′/ 0.01°		
Lens	Magnification	10X (Standard)	20X (Optional)	50X (Optional)	100X (Optional)
	Objective view	30 mm	15 mm	6 mm	3 mm
	Working distance	77.7 mm	44.3 mm	38.4 mm	25.3 mm
	Measuring height	90 mm	90 mm	90 mm	90 mm
Power supply			AC 100-240V 50/60Hz		
Total power			400W		
Weight	160 kg	160 kg	180 kg	250 kg	250 kg
Size	780x780x1100 mm	810x780x1120 mm	810x780x1120 mm	900x780x1020 mm	1040x780x1120 mm

300mm High Precision Profile Projector

Description

- High precision profile projector, classic design and high performance
- With a 300mm projector
- According to enterprise standard
- Applicable for workpiece direct and comparative measurement in a faster manner



Art.No.(erect image)		5292-3015N		5292-3020N	
Axis X travel		150 mm		200 mm	
Axis Y travel		100 mm		100 mm	
Axis Z travel		90 mm(Focusing)			
Glass worktable		148x206 mm		148x256 mm	
Metal worktable		258x308 mm		258x358 mm	
Resolution(X/Y axis)		0.5μm			
Indication error		E1XY≤(3+L/200)μm			
Projector screen		Dia.: 300 mm			
Rotary range		0°-360°			
Resolution		1′/ 0.01°			
Lens	Magnification	10X (Standard)	20X (Optional)	50X (Optional)	
	Objective view	30 mm	15 mm	6 mm	
	Working distance	80 mm	67.7 mm	51.4 mm	
Power supply		AC 100V/60Hz; 220V/50Hz			
Power		150W			
Weight		165 kg		168 kg	
Size		988x563x1157 mm		988x563x1157 mm	

400mm High Precision Profile Projector

Description

- High precision profile projector, classic design and high performance
- With a 400mm projector
- According to enterprise standard
- Applicable for workpiece direct and comparative measurement in a faster manner



Art.No.(erect image)		5292-4020N	5292-4025N	5292-4030N	
Axis X travel		200 mm	250 mm	300 mm	
Axis Y travel		100 mm	150 mm	200 mm	
Axis Z travel		100mm(Focusing)			
Glass worktable		198x306 mm	198x306 mm	356x248 mm	
Metal worktable		308x408 mm	308x408 mm	458x358 mm	
Resolution(X/Y axis)		0.5μm			
Indication error		E1XY≤(3+L/200)μm			
Projector screen		Dia.: 400 mm			
Rotary range		0°-360°			
Resolution		1′/ 0.01°			
Lens	Magnification	10X (Standard)	20X (Optional)	50X (Optional)	
	Objective view	40 mm	20 mm	8 mm	
	Working distance	80 mm	67.7 mm	51.4 mm	
Power supply		AC 110V/60Hz; 220V/50Hz			
Power		150W			
Weight		230 kg	230 kg	230 kg	
Size		1003x617x1309 mm	1003x617x1309 mm	1003x617x1309 mm	

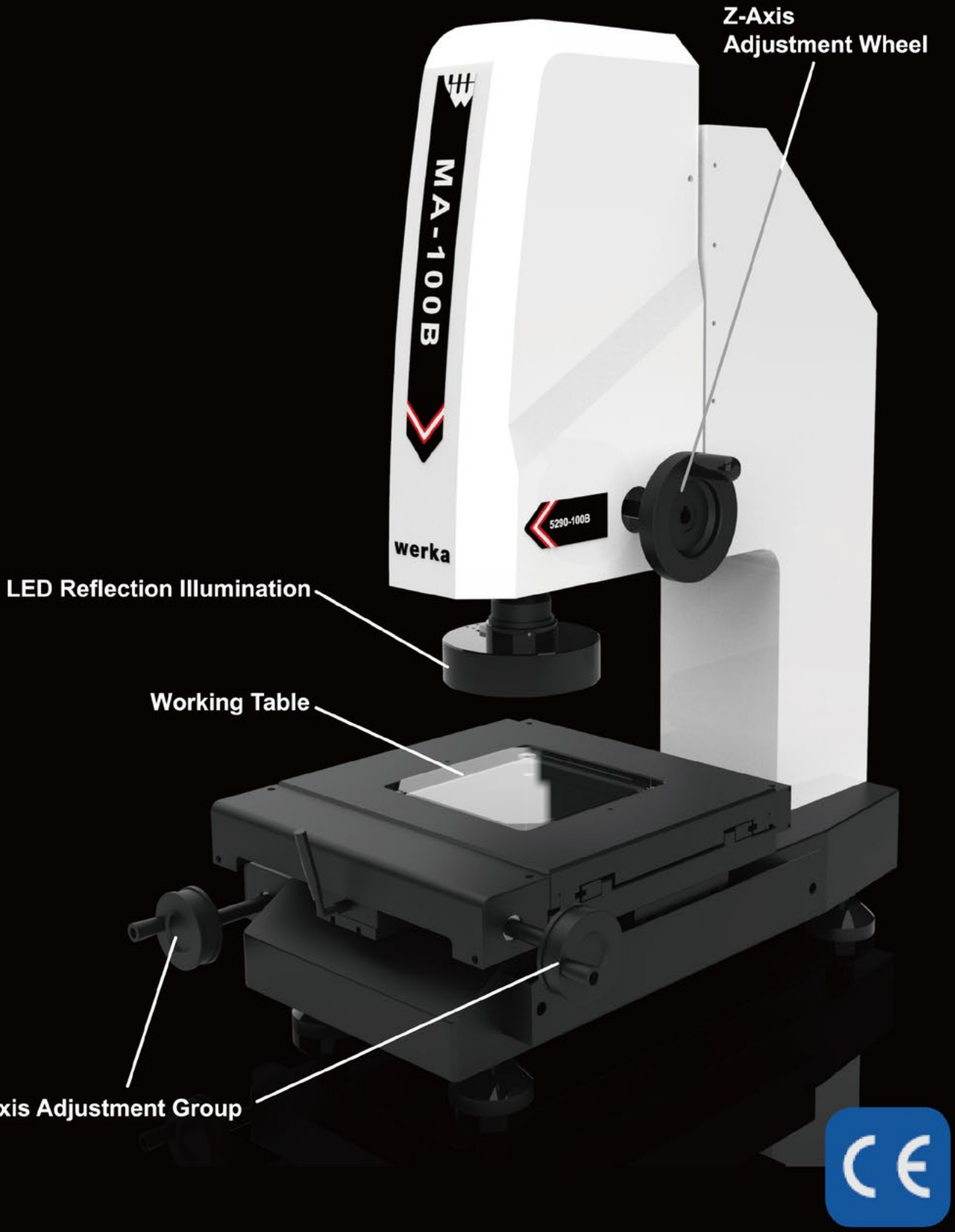
Less Error Within 2um

High Accuracy ≤2.4+L/200 um

High Resolution 700TVL Color CCD

Measurement Software iMeasuring 2.0

2D Movable Vision Measuring Machine



MA-100B

Description

MA-100B is the 2D vision measuring machines with optical detent zoom lens for the measurement of geometric dimension and tolerance, it is movable by the light weight and small size.
It's widely applied at the industry of 3C, semiconductor, PCB, automobile parts, medical parts, precise molds, etc.

- MA-100B is able to be moved in different workshop and laboratory by the small size and light weight easily;
- High precision toothless rod and fast moving locking device ensures repeatability error is less than 2um;
- High precise working stage with 0.5um optical linear scales ensures the accuracy is less than 2.5+L/200um;
- High definitive detent zoom lens and high resolution color camera ensures clear image without distortion;
- With programmable surface 4-ring 8-division LED Cold Illumination and contour LED telecentric illumination and built-in intelligent light adjustment, it can automatic control the brightness in the 4-ring 8-division;
- Powerful function iMeasuring 2.0 Measuring Software, highly enhance the quality control, and it can output Word, Excel, PDF, TXT report and AutoCAD file automatically.

Delivery

Product Name
Instrument Main Unit
Measurement Software
Power Adapter
Operation Manual,Warranty Card Certificate,Packing list

Specification

Product Name	2D Movable vision measuring machine						
Art No.	5290-100B						
Mode No.	MA-100B						
Working table(glass)	130x130mm						
X/Y-Axis Travel	100x100mm						
Z-Axis Travel	100mm,High-precision V-type guide						
X/Y-Axis Linear Travel	Resolution:0.0005mm, high accuracy A-gradelinear scale						
X/Y Axis Guidance Mode	High precision guide,toothless rod and fast-moving locking device						
Accuracy error	E1xy<2.4 + L/200(μm)						
Repeatability	2μm						
Repeatability Illumination System (Software Adjustment)	Surface:Stepless Adjustable 4-ring 8-division LED Cold Illumination Contour:LED Parallel Illumination						
Vision Sytem	USB CMOS Digital Camera;6.5x High Resolution Optical Detent Zoom Lens Magnification:0.7x~4.5x; Video Magnification: 26x~172x						
Field of view	Lens magnification	0.7x	1x	2.0x	3.0x	4x	4.5x
	Deo magnification	26.75x	38.21x	76.43x	114.64x	152.86x	171.96x
	1/3"CCD	8.77x7.1x5.3	7.64x6.1x4.6	3.92x3.1x2.3	2.66x2.1x1.6	1.87x1.5x1.1	153x1.2x0.9
Working Environmet	Temperature:19~-24℃ ,Humidity: 45%~ 75% RH Vibration<0.002g,<15Hz						
Measuring Software	iMeasuring 2.0						
Load Capacity	15Kg						
Power Supply	220V/50Hz/10A						
Operation System	XP,WIN7,WIN8.1,WIN10;32/64 operating system						
Dimension (WxDxH)	500x380x630mm						
Net weight	35Kg						

DELL PC System:
WP-PC10(Optional)



Less Error Within 2um

High Accuracy ≤2.5+L/200 um;

High Resolution 700TVL Color CCD

Measurement Softwar

2.5D Movable Vision Measuring Machine



CE

MA-300

Description

MA-300 is the 2.5D high accuracy geometric vision measuring machines with optical detent zoom lens and Z-axis height measurement function , it is widely applied at the industry of 3C, semiconductor, PCB, automobile parts, medical parts, precise molds, aviation and aerospace, etc.

- High precision marble base and pillar to ensures high stability and accuracy;
- High precision toothless rod and fast moving locking device, ensure repeatability error is within 2um;
- High accuracy A grade optical linear scale with precision working stage, to ensure the accuracy within 2.5+L/200um;
- High definitive detent zoom lens and high resolution color digital camera ensure clear image without distortion;
- With programmable surface 4-ring 8-division LED Cold Illumination and contour LED telecentric illumination and built-in intelligent light adjustment, it can automatically control the brightness in the 4-ring 8-division;
- Powerful function iMeasuring2.1 measuring software highly enhance the quality control situation.

Delivery

Product Name	
Instrument Main Unit	Video Capture Card
Measurement Software	Dongle
Led Parallel Contour Illumination	Controller
Power Cable,Video Cable,Data Cable	0.5μm Linear Scale
1/3"Color Camera	Calibration Block
Operation Manual,Warranty Card, Certificate,Packing List	Anti-Dust Cover

Working CUpboard:WP-WC1(Optional)
DELL PC System:WP-PC10(Optional)

Specification

Product Name	2.5D Movable vision measuring machine
Art No.	5290-300
Mode No.	MA-300
Working table(glass)	356x248mm
X/Y-Axis Travel	300x200mm
Z-Axis Travel	200mm,High-precision linear guide
X/Y-Axis Linear Travel	Resolution:0.0005mm
X/Y Axis Guidance Mode	High precision guide,toothless rod and fast-moving locking device
Accuracy error	<2.5 + L/200(μm)
Illumination System (Software Adjustment)	Surface:Stepless Adjustable 4-ring 8-division LED Cold IlluminationN, Contour:LED Parallel Illumination LED Laser Navigation Lights
CCD Camera	High Resolution 700TV Color CCD Camera
Zoom Lens	6.5x High Resolution Detented Zoom Lens Magnification :0.7x~4.5x,Video Magnification:26x~172x
Working Environmet	Temperature:20℃ ±2℃ ,Change range<2℃ /hr, Humidity: 30%~ 80% RH,Vibration<0.002g,<15Hz
Measuring Software	iMeasuring 2.1
Power Supply	220V/50Hz/10A
Operation System	XP,WIN7,WIN8.1,WIN10;32/64 operating system
Dimension(WxDxH)	838x667x1000mm
Net weight	185Kg

The different travel of the X/Y-Axis is optional

Art No.	5290-200	5290-250	5290-400	5290-500
Model No.	MA-200	MA-250	MA-400	MA-500
X/Y-Axis Travel	200x100mm	250x150mm	400x300mm	500x400mm
Z-Axis Travel	200mm	200mm	200mm	200mm
Dimension(WxDxH)	677x552x998mm	790x617x1000mm	1002x817x1043mm	1002x852x1085mm
Net Weight	150Kg	175Kg	350Kg	380Kg

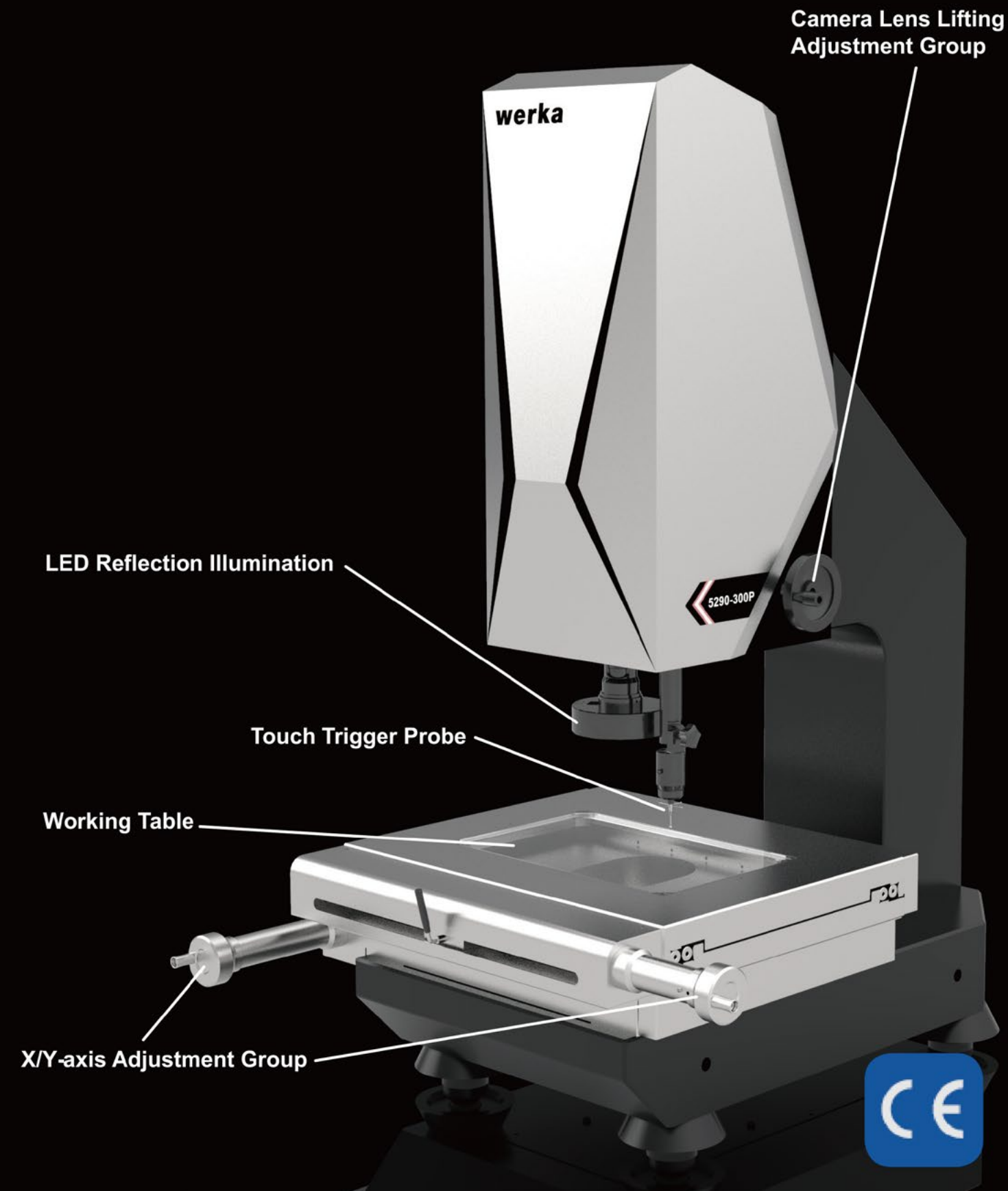
Less Error Within 2um

High Accuracy 2.5+L/200 um;

High Resolution 700TVL Color CCD

Measurement Software iMeasuring 3.1

3D Manual Vision Measuring Machine With Probe



MA-300P

Description

MA-300P is the high accuracy geometric vision measuring machines that integrate the optical detent zoom lens and 3D touch trigger probe system,It's widely applied at the industry of 3C, semiconductor, PCB, automobile parts, medical parts, precise molds, aviation and aerospace, etc.

- High precision marble base and pillar to ensures high stability and accuracy;
- High precision toothless rod and fast moving locking device, ensure hysteresis error is within 2um;
- High accuracy A grade optical linear scale with precision working stage,ensure the accuracy is within 2.5+L/200um;
- High definitive detent zoom lens and high resolution color camera,ensure clear image without distortion;
- With programmable surface 4-ring 8-division LED Cold Illumination and contour LED parallel illumination and built-in intelligent light adjustment, it can automatic control the brightness in the 4-ring 8-division;
- Improted contact probe and powerful function iMeasuring 3D Measuring Software

Delivery

Product Name	
Instrument Main Unit	Calibration Block
Measurement Software	Controller
MCP probe	Dongle
LED Parallel Contour Illumination	Anti-Dust Cover
Click Zoom Lens	1/3"Color Camera
Video Capture Card	Operation Manual, Warranty Card, Certificate,Acking List

Working CUpboard:WP-WC1(Optional)
DELL PC System:WP-PC10(Optional)

Specification

Product Name	3D Maual vision measuring machine with probe
Art No.	5290-300P
Mode No.	MA-300P
Working table(glass)	356x248mm
X/Y-Axis Travel	300x200mm
Z-Axis Travel	200mm,High-precision linear guide
X/Y-Axis Linear Travel	Resolution:0.0005mm
Accuracy error	<2.5 + L/200(μm)
Repeatability	2μm
Illumination System (Software Adjustment)	Surface:Adjustable 0~255 grade 4-ring 8-division LED Cold Illumination,every division can be adjust independently,Contour:LED Parallel Illumination LED Laser Navigation Lights
CCD Camera	High Resolution 700TV Color CCD Camera
Zoom Lens	6.5x High Resolution Detented Zoom Lens Magnification :0.7x~4.5x,Video Magnification:26x~172x
Working Environmet	Temperature:20℃ ±2℃ ,Change range<2℃ /hr, Humidity: 30%~ 80% RH,Vibration<0.002g,<15Hz
Measuring Software	iMeasuring 3.1
Power Supply	220V/50Hz/10A
Operation System	XP,WIN7,WIN8.1,WIN10;32/64 operating system
Dimension(WxDxH)	838x667x1000mm
Net weight	185Kg

The different travel of the X/Y-Axis is optional

Art No.	5290-200P	5290-250P	5290-400P	5290-500P
Model No.	MA-200P	MA-250P	MA-400P	MA-500P
X/Y-Axis Travel	200x100mm	250x150mm	400x300mm	500x400mm
Z-Axis Travel	200mm	200mm	200mm	200mm
Dimension(WxDxH)	677x552x998mm	790x617x1000mm	1002x817x1043mm	1002x852x1085mm
Net Weight	150Kg	175Kg	350Kg	380Kg

Auto Position

Auto Focus

Auto Light

Auto Measurement

2.5D Automatic Vision Measuring Machine



CE

AU-400

Description

AU-400 Series is a high precision moving-bridge type vision measuring machine, it adopted mobile-bridge structure and designed for high precision and large size measurement to ensure measuring accuracy and stability. it is widely used for measuring in electronic industry, medical instrument, LCD and aerospace industry.

- Moving bridge structure, measured workpiece is fixed;
- Four-axis CNC fully auto close loop control, auto measurement;
- Marble base and pillar(grade 00), stable and reliable;
- Imported linear scale, resolution is 0.1um, grinding ball screw and AC servo motor etc. to ensure the precision and stability of the motion system;
- Imported HD color camera to meet the needs of clear observation and accurate measurement;
- 6.5x high-resolution motorized zoom lens, accurate doubling and one times pixel correction only needed;
- With programmable surface 5-ring 8-division LED Cold Illumination and contour LED parallel illumination and built-in intelligent light adjustment, it can automatic control the brightness in the 8-division;
- Powerful function and easy operation measuring software to enhance quality control.

Delivery

Product Name		
Instrument Main Unit	5-ring 8-divsion LED surface illumination	Calibration block
Full Auto Measuring Software		Dell PC with 21" Monitor
Controller	MCP Probe	Desk
Imported 0.1μm linear scale	1/2" Color Camera	Anti-dust Cover
Motorized coaxial zoom lens	Data cable, AV video cable	Operation manual, Product certification, Warranty card, Packing list
LED parallel contour illumination	Video capture card, Dongle	

Specification

Product Name	2.5D Automatic measuring machine						
Art No.	5290-AU400						
Mode No.	MA-AU400						
X/Y-Axis Travel	400x300mm						
Z-Axis Travel	200mm						
X/Y/Z 3-Axis Linear Travel	Imported linear scale,resolution :0.1μm						
Guidance Mode	Precision linear guide,double-track double slider guide						
Operation Mode	Joystick controller,mouse operation, automtic detection program						
Repeatability	±2μm						
Video System	High definition 1/2" color CCD camera, 6.5x Motorized click zoom lens; Optical magnification:0.7x~4.5x, Video magnification :20x~129x(21.5"monitor)						
Illumination	Contor:LED parallel contour illumination Surface:5-ring 8-division 0~255 grade continue adjustable						
Software System	iMeasuring 4.1 Fully Auto Measuring Software						
Load Capacity	25Kg						
Working Environmet	Temperature:20℃ ±2℃ ,Change range<2℃ /hr, Humidity: 30%~ 80% RH,Vibration<0.002g,<15Hz						
Power Supply	220V/50Hz/10A						
Dimension(WxDxH)	1160x800x1650mm						
Net weight	650Kg						
Field of view(mm) (Digonal *Horizontal *Vertical)	Lens magnification	0.7x	1x	2.0x	3.0x	4x	4.5x
	1/2"CCD	11.43x 9.14x6.86	8.00x 6.40x4.80	4.00x 3.20x2.40	2.67x 2.13x1.60	2.00x 1.60x1.20	1.78x 1.42x1.07

The Different Travel Of The X/Y-Axis Is Optional

Art No.	5290-AU500	5290-AU600	5290-AU800
Model No.	AU-500	AU-600	AU-800
X/Y-Axis Travel	500x400mm	600x500mm	800x600mm
Z-Axis Travel	200mm	200mm	200mm
Dimension(WxDxH)	1450x950x1650mm	1600x1050x1650mm	2000x1200x1650mm
Net Weight	780Kg	1380Kg	2000Kg

Auto Position | Auto Position | Auto Zoom | Auto Light | MCP Probe | Auto Measurement

3D Automatic Vision Measuring Machine With Probe



AU-400P

Description

AU-400P 3D AutoTouch is equipped with Touch Probe to realize 3D Measurement. Four-axis is motorized control and measurement, it is very easy to operate and can meet with widely application for precision industry measurement.

- Moving bridge type structure, measuring workpiece is fixed;
- Four-axis CNC fully auto close loop control, auto measurement;
- Marble base and pillar(grade 00), stable and reliable;
- Imported linear scale, resolution is 0.1um, grinding ball screw and AC servo motor etc. to ensure the precision and stability of the motion system;
- Imported HD color camera to meet the needs of clear observation and accurate measurement;
- 6.5x high-resolution motorized zoom lens, accurate doubling and one times pixel correction only needed;
- With programmable surface 5-ring 8-division LED Cold Illumination and contour LED parallel illumination and built-in intelligent light adjustment, it can automatic control the brightness in the 8-division;
- Equipped with imported MCP Probe to perform 3D measurement;
- With proprietary fully auto measuring software powerful function, simple operation;

Delivery

Product Name		
Instrument Main Unit	LED parallel contour illumination	Joystick controller
Full Auto Measuring Software	MCP Probe	Dell PC with 21" Monitor
Controller	1/2" Color Camera	Desk
Imported 0.1μm linear scale	Data cable, AV video cable	Anti-dust Cover
Motorized coaxial zoom lens	Video capture card, Dongle	Operation manual, Product certification, Warranty card, Packing list
5-ring 8-division LED surface illumination	Calibration block, 3D Calibration block	

Specification

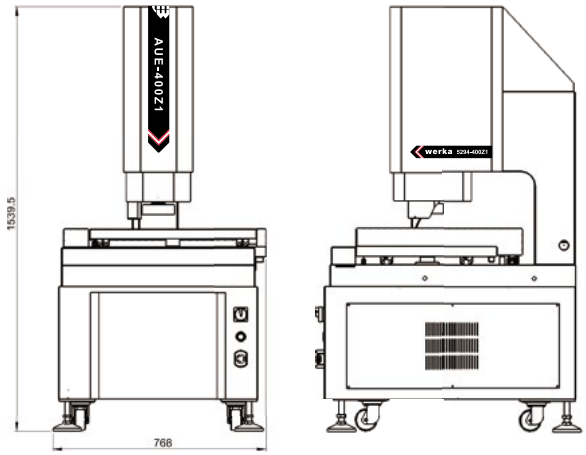
Product Name	*3D Automatic vision measuring machine with probe*						
Art No.	*5290-AU400P*						
Mode No.	*MA-AU400P*						
X/Y-Axis Travel	*400x300mm*						
Z-Axis Travel	*200mm*						
X/Y/Z 3-Axis Linear Travel	*Imported linear scale,resolution :0.1μm*						
Guidance Mode	*Precision linear guide,double-track double slider guide*						
Operation Mode	*Joystick controller,mouse operation, automtic detection program*						
Measurement Accuracy	*XY-axis:≤1.8+L/200(μm) Z-axis:≤4+L/200(μm)*						
Repeatability	*±2μm*						
Video System	*High definition 1/2" color CCD camera, Image navigation system 6.5x Motorized click zoom lens; Optical magnification:0.7x~4.5x*						
Video magnification	*20x~129x(21.5" monitor)*						
Illumination	*Contor:LED parallel contour illumination Surface:5-ring 8-division 0~255 grade continue adjustable*						
Software System	*iMeasuring 4.2 Fully Auto Measuring Software*						
Load Capacity	*25Kg*						
Working Environmet	*Temperature:20℃ ±2℃ ,Change range<2℃ /hr, Humidity: 30%~ 80% RH,Vibration<0.002g,<15Hz*						
Power Supply	*220V/50Hz/10A*						
Dimension(WxDxH)	*1160x800x1650mm*						
Net weight	*650Kg*						
*Field of view(mm) (Digonal *Horizontal *Vertical)*	*Lens magnification*	*0.7x*	*1x*	*2.0x*	*3.0x*	*4x*	*4.5x*
	1/2"CCD	*11.43x 9.14x6.86*	*8.00x 6.40x4.80*	*4.00x 3.20x2.40*	*2.67x 2.13x1.60*	*2.00x 1.60x1.20*	*1.78x 1.42x1.07*

The Different Travel Of The X/Y-Axis Is Optional

Art No.	*5290-AU500P*	*5290-AU600P*	*5290-AU800P*
Model No.	*AU-500P*	*AU-600P*	*AU-800P*
X/Y-Axis Travel	*500x400mm*	*600x500mm*	*800x600mm*
Z-Axis Travel	*200mm*	*200mm*	*200mm*
Dimension(WxDxH)	*1450x950x1650mm*	*1600x1050x1650mm*	*2000x1200x1650mm*
Net Weight	*780Kg*	*1380Kg*	*2000Kg*

Automatic Vision Measuring Machine





Description

- XYZ three-axis CNC automatic precision control, precise positioning
- Granite base and pillar, good stability
- Precision linear guides, grinding-grade ball screws and AC servo motors, etc., ensure the accuracy and stability of the motion system
- 0.5μm high-precision grating ruler to ensure the positioning accuracy and measurement accuracy of the system
- High-resolution digital camera to meet the needs of clear observation and precise measurement
- 6.5X high-definition optical lens, accurate zoom, one-time pixel correction
- Program-controlled 5-ring 8-area LED surface illumination and parallel LED contour illumination system intelligently realize 256-level brightness adjustment
- Measuring Software automatic Vision measurement software, powerful and easy to operate

Art.No.	5294-300Z1	5294-400Z1	5294-500Z1
Model No	AUE-300Z1	AUE-400Z1	AUE-500Z1
X/Y Axis travel	300x200 mm	400x300 mm	500x400 mm
Z Axis travel	200 mm		
X/Y/Z 3 Axis Linear Scale	Sealed Linear Scale Resolution: 0.5um		
Guidance Mode	High-precision Linear Guide, Double-track Double Slider Guide		
Operation Mode	Joystick Controller, Mouse Operation, Automatic Detection Program		
Accuracy	XY Axis: ≤2.5+L/200(um) Z Axis: ≤5.0+L/200(um)		
Repeatability	2 um		
Illumination System - contour	LED Parallel Contour Illumination		
Illumination System - surface	0~255 Stepless Adjustable 5-ring 8-division LED Surface Illumination		
Video System	1/2.9" High Resolution Digital Camera 6.5X Manual Zoom Lens, Optical Magnification: 0.7X-4.5X, Video Magnification: 28X~180X		
Measuring Software	iMeasuring software		
Operation System	Support WIN 10/11-32/64 Operating System		
Working Environment	Temperature 20℃ ±2℃ , temperature change <1℃ /Hr; Humidity 30%~80%RH; Vibration <0.02g's, ≤15Hz		
Power Supply	220V/50Hz/10A		
Load Capacity	25Kg~50Kg		
Dimensions	789x636x1540 mm	961x768x1540 mm	1061x868x1540 mm
Weight	200 Kg	320 Kg	450 Kg

Manual Vision Measuring Machine

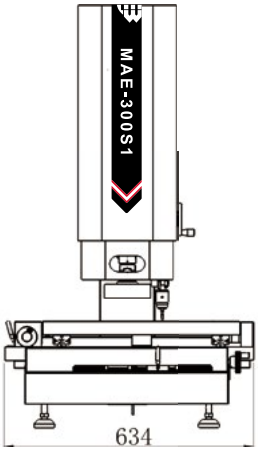


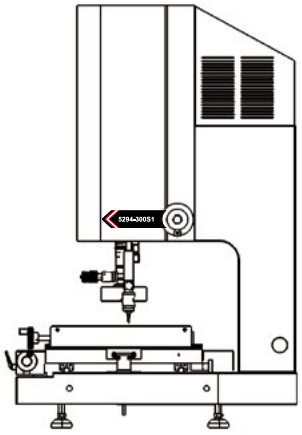
Less Error
Within 2um

High Accuracy
≤3.0+L/200um

High Resolution
1.3M 1/3 " digital camera

Measurement Software
iMeasuring





Description

- Adopt granite stone base and column to ensure the stability and precision of the machine
- Adopt toothless polished rod and fast-moving locking device to ensure that the return error of the table is within 2um
- Adopt high-precision instrument optical ruler and precision worktable to ensure the accuracy of the machine is within ≤3.0+L/200um
- Adopt zoom lens and high-resolution color digital camera to ensure clear picture quality without distortion
- High-resolution digital camera to meet the needs of clear observation and precise measurement
- Using the program-controlled surface 4-ring 8-area LED cold illumination and Contour LED Parallel Illumination as well as a built-in intelligent light adjustment module, the area brightness of the light in the 4-ring 8-area can be freely controlled
- IMeasuring Vision measurement software improves quality control to a new level
- Optional contact probe and three-dimensional measurement software can be used to upgrade the machine to a contact three-dimensional measuring machine
- It can be upgraded to install an autofocus function module to achieve accurate semi-automatic measurement

Art.No.	5294-200S1	5294-300S1	5294-400S1
Model No	MAE-200S1	MAE-300S1	MAE-400S1
X/Y Axis travel	200x150 mm	300x200 mm	400x300 mm
Z Axis travel	200 mm		
X/Y/Z 3 Axis s resolution	0.5um		
Pedestal and Uprights	High Precision Granite		
Accuracy	XY Axis: ≤3.0+L/200(um) Z Axis: ≤5.0+L/200(um)		
Repeatability	2 um		
Illumination System(Software Adjustment)	Surface 4 rings and 8 zones infinitely adjustable LED cold Illumination		
	Contour LED Parallel Illumination		
	Optional Coaxial Light		
Digital Camera	1/3"/1.3Mpixel High Resolution Digital Camera		
Zoom Lens	6.5X High-Resolution Zoom lens		
	Optical Magnification: 0.7X~4.5X times; Video Magnification: 26X~172X(21.5" Monitor)		
Measuring Software	iMeasuring software		
Operation System	Support WIN 10/11-32/64 Operating System		
Working Environment	Temperature 20℃ ±2℃ , temperature change <1℃ /Hr; Humidity 30%~80%RH; Vibration <0.02g's, ≤15Hz		
Power Supply	220V/50Hz, 110V/60Hz		
Dimensions	760x634x1075 mm	760x634x1075 mm	840x734x1175 mm
Weight	200 Kg	208 Kg	300 Kg

Hd Recording Inspection Camera

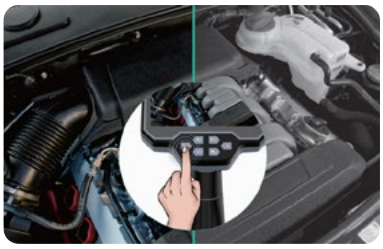
Description

HD camera, real time video streaming. Check and record the narrow and drak areas for chearly view

- 5 inch LED display , image switch freely
- Up/down/left/right rotation available, supports image mirroring display
- Color and black/white image display both supported
- Supports snapshots and video recording functions
- Built-in 4000mAh high-capacity lithium battery
- 8mm flexible tube probe for narrow area views
- 4X Digital zoom outfor more details monitoring
- Plastic suitcase









Art.No.	*521-0597*
Barcode	*6976367670597*
CAMERA	
Dia. Of camera head	*8mm*
Image sensor	*CMOS*
Effective pixel	*1280x720*
FOV	*77±2°*
Protect level	*IP67 (Only the camera part)*
MONITOR	
Display size	*5"TFT LCD 5" TFT LCD monitor*
Screen resolution	*480(RGB) x854*
Image zoom	*X1.5, X2, X3, X4*
Snapshot format	*.JPG*
Video format	*.MOV*
TF card support capacity	*4~256G*
Power Supply	*4000mAh 21700 lithium battery*
Max. current	*650±10mA*
Operation temperature	*-10 ~ 50℃*
Operation humidity	*15%~85% RH*



ANGLE AND STRAIGHTNESS

PRECISION
INSPECTION SQUARES

•

TRY SQUARE

•

PRECISION KNIFE
STRAIGHT EDGES

•

ACUTE ANGLE SQUARES

•

PROTRCTORS

•

SPIRIT LEVEL

•

•

•

90°PrecisionInspection Squares



Description

- DIN875/0, DIN875/1, DIN875/2
- Made of stainless steel
- Insulation logo plate
- Working surface lapped
- Packed in cardbox
- Deliver with certificate

DIN 875/0

Art No.	Size	Section	Barcode
240-0757	50x40mm	12x5mm	6971570710757
240-0764	75x50mm	15x5mm	6971570710764
240-0771	100x70mm	20x5mm	6971570710771
240-0788	150x100mm	25x5mm	6971570710788
240-0795	200x130mm	30x6mm	6971570710795
240-0801	250x165mm	35x7mm	6971570710801
240-0818	300x200mm	40x8mm	6971570710818

DIN 875/1

Art No.	Size	Section	Barcode
240-0894	75x50mm	15x5mm	6971570710894
240-0900	100x70mm	20x5mm	6971570710900
240-0917	150x100mm	25x5mm	6971570710917
240-0924	200x130mm	30x6mm	6971570710924
240-0931	250x165mm	35x7mm	6971570710931
240-0948	300x200mm	40x8mm	6971570710948
240-0955	400X265mm	40x8mm	6971570710955
240-0962	500x330mm	40x8mm	6971570710962

DIN 875/2

Art No.	Size	Section	Barcode
240-1051	75x50mm	15x5mm	6971570711051
240-1068	100x70mm	20x5mm	6971570711068
240-1075	150x100mm	25x5mm	6971570711075
240-1082	200x130mm	30x6mm	6971570711082
240-1099	250x165mm	35x7mm	6971570711099
240-1105	300x175mm	40x8mm	6971570711105
240-1112	400X200mm	40x8mm	6971570711112
240-1129	500x250mm	40x8mm	6971570711129

90°Precision Inspectionsquares With Base



Description

- DIN875/0, DIN875/1, DIN875/2
- Made of stainless steel
- Insulation logo plate
- Working surface lapped
- Packed in cardbox
- Deliver with certificate

DIN 875/0

Art No.	Size	Section	Barcode
240-0825	50x40mm	12x5mm	6971570710825
240-0832	75x50mm	15x5mm	6971570710832
240-0849	100x70mm	20x5mm	6971570710849
240-0856	150x100mm	25x5mm	6971570710856
240-0863	200x130mm	30x6mm	6971570710863
240-0870	250x165mm	35x7mm	6971570710870
240-0887	300x200mm	40x8mm	6971570710887

DIN 875/1

Art No.	Size	Section	Barcode
240-0979	75x50mm	15x5mm	6971570710979
240-0986	100x70mm	20x5mm	6971570710986
240-0993	150x100mm	25x5mm	6971570710993
240-1006	200x130mm	30x6mm	6971570711006
240-1013	250x165mm	35x7mm	6971570711013
240-1020	300x200mm	40x8mm	6971570711020
240-1037	400x265mm	40x8mm	6971570711037
240-1044	500x330mm	40x8mm	6971570711044

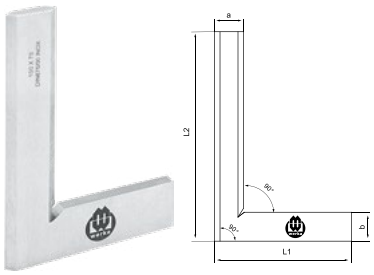
DIN 875/2

Art No.	Size	Section	Barcode
240-1136	75x50mm	15x5mm	6971570711136
240-1143	100x70mm	20x5mm	6971570711143
240-1150	150x100mm	25x5mm	6971570711150
240-1167	200x130mm	30x6mm	6971570711167
240-1174	250x165mm	35x7mm	6971570711174
240-1181	300x175mm	35x7mm	6971570711181
240-1198	400x200mm	40x8mm	6971570711198
240-1204	500x250mm	40x8mm	6971570711204

90°Precision Inspection Beveled Edge Square

Description

- DIN875/00
- Made of stainless steel
- With two bevelled edges, hardened
- Working surface lapped
- Packed in cardbox
- Deliver with certificate



Art No.	Size	Section	Barcode
240-1273	50x40mm	14x10mm	6971570711273
240-1280	75x50mm	14x10mm	6971570711280
240-1297	100x70mm	18x12mm	6971570711297
240-1303	150x100mm	24x14mm	6971570711303
240-1310	200x130mm	28x16mm	6971570711310

90°Square With Inside Beveled Edge

Description

- DIN875/00
- Made of stainless steel
- With inside bevelled edge, hardened
- Working surface lapped
- Packed in cardbox
- Deliver with certificate



Art No.	Size	Barcode
240-1327	25x20mm	6971570711327
240-1334	40x28mm	6971570711334

Tool Maker Squares Set

Description

- 5pcs/set
- Knife edge square 70x50mm(DIN875/00) 1pc
- Knife edge square 40x28mm(DIN875/00) 1pc
- Knife edge square 25x20mm(DIN875/00) 1pc
- Knife straight edge 100mm(DIN874/00) 1pc
- Steel scriber point 60x9x9mm 1pc
- Packed in plastic box



Art No.	Size	Barcode
240-1341	5pcs/set	6971570711341

Try Square



Description

- Stainless steel blade
- With aluminum base
- With color sleeve

Art No.	Size	Handle Section	Barcode
240-2386	200x120mm	40x14mm	6971570712386
240-2393	250x140mm	40x14mm	6971570712393
240-2409	300x170mm	40x14mm	6971570712409
240-2416	400x200mm	40x14mm	6971570712416

Precision Knife Straight Edges



Description

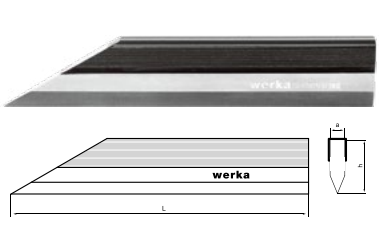
- DIN874/00
- Made of hardened special steel with black oxide
- Beveled edge fine ground and lapped
- With black insulation handle
- Packed in soft pouch

Art No.	Size	Barcode
241-1358	50mm	6971570711358
241-1365	75mm	6971570711365
241-1372	100mm	6971570711372
241-1389	125mm	6971570711389
241-1396	150mm	6971570711396
241-1402	200mm	6971570711402
241-1419	300mm	6971570711419
241-1426	400mm	6971570711426
241-1433	500mm	6971570711433
241-1440	600mm	6971570711440

Overall Dimension(mm)

Range	L	a	h
50mm	50	5	20
75mm	75	5	20
100mm	100	5	20
125mm	125	5	20
150mm	150	6	25
200mm	200	6	25
300mm	300	8	35
400mm	400	8	35
500mm	500	10	42
600mm	600	10	42

Precision Knife Straight Edges



Description

- DIN874/00
- Made of stainless steel with satin matt
- Beveled edge fine ground and lapped
- With black insulation handle
- Packed in soft pouch

Art No.	Size	Barcode
241-1457	50mm	6971570711457
241-1464	75mm	6971570711464
241-1471	100mm	6971570711471
241-1488	125mm	6971570711488
241-1495	150mm	6971570711495
241-1501	200mm	6971570711501
241-1518	300mm	6971570711518
241-1525	400mm	6971570711525
241-1532	500mm	6971570711532
241-1549	600mm	6971570711549

Overall Dimension(mm)

Range	L	a	h
50mm	50	5	20
75mm	75	5	20
100mm	100	5	20
125mm	125	5	20
150mm	150	6	25
200mm	200	6	25
300mm	300	8	35
400mm	400	8	35
500mm	500	10	42
600mm	600	10	42

Acute Angle Squares 45°



Description

- DIN875/2
- Insulation logo plate
- Flat type
- Made of stainless steel
- Packed in cardbox

Art No.	Size	Section	Barcode
240-2034	100x70mm	20x5mm	6971570712034
240-2041	120x80mm	20x5mm	6971570712041
240-2058	150x100mm	20x5mm	6971570712058
240-2065	200x130mm	20x5mm	6971570712065
240-2072	250x160mm	20x5mm	6971570712072
240-2089	300x200mm	30x6mm	6971570712089

Acute Angle Squares 45°With Base



Description

- DIN875/2
- Insulation logo plate
- With base
- Made of stainless steel
- Packed in cardbox

Art No.	Size	Section	Barcode
240-2096	100x70mm	20x5mm	6971570712096
240-2102	120x80mm	20x5mm	6971570712102
240-2119	150x100mm	20x5mm	6971570712119
240-2126	200x130mm	20x5mm	6971570712126
240-2133	250x160mm	20x5mm	6971570712133
240-2140	300x200mm	30x6mm	6971570712140

Acute Angle Squares 60°



Description

- DIN875/2
- Insulation logo plate
- Flat type
- Made of stainless steel
- Packed in cardbox

Art No.	Size	Section	Barcode
240-2157	100x70mm	20x5mm	6971570712157
240-2164	120x80mm	20x5mm	6971570712164
240-2171	150x100mm	20x5mm	6971570712171
240-2188	200x130mm	25x5mm	6971570712188
240-2195	250x160mm	25x5mm	6971570712195
240-2201	300x200mm	30x6mm	6971570712201

Acute Angle Squares 60° With Base



Description

- DIN875/2
- Insulation logo plate
- With base
- Made of stainless steel
- Packed in cardbox

Art No.	Size	Section	Barcode
240-2218	100x70mm	20x5mm	6971570712218
240-2225	120x80mm	20x5mm	6971570712225
240-2232	150x100mm	20x5mm	6971570712232
240-2249	200x130mm	25x5mm	6971570712249
240-2256	250x160mm	25x5mm	6971570712256
240-2263	300x200mm	30x6mm	6971570712263

Hexagon Squares 120°



Description

- DIN875/2
- Insulation logo plate
- Flat type
- Made of stainless steel
- Packed in cardbox

Art No.	Size	Section	Barcode
240-2270	50x50mm	15x5mm	6971570712270
240-2287	75x75mm	18x5mm	6971570712287
240-2294	100x100mm	20x5mm	6971570712294
240-2300	150x150mm	25x5mm	6971570712300
240-2317	200x200mm	30x6mm	6971570712317

Mitre Squares135°With Base



Description

- DIN875/2
- Insulation logo plate
- With base
- Made of stainless steel
- Packed in cardbox

Art No.	Size	Section	Barcode
240-2324	100x70mm	20x5mm	6971570712270
240-2331	120x80mm	20x5mm	6971570712287
240-2348	150x100mm	20x5mm	6971570712294
240-2355	200x130mm	25x5mm	6971570712300
240-2362	250x165mm	25x5mm	6971570712317
240-2379	300x175mm	30x6mm	6971570712379

Protractors

Description

- For measuring 0-180°, graduation 1°
- Made of carbon steel
- Satin chromed finish, with locking screw
- Packed in soft pouch



Art No.	Size	Barcode
242-0597	80x120mm	6971570710597
242-0603	120x150mm	6971570710603
242-0610	150x200mm	6971570710610
242-0627	200x300mm	6971570710627
242-0634	300x500mm	6971570710634
242-0641	400x600mm	6971570710641

Protractors

Description

- For measuring 10-170°, graduation 1°
- Made of carbon steel, Moveable blade
- Satin chromed finish, with locking screw
- Packed in soft pouch



Art No.	Size	Barcode
242-0658	100x150mm	6971570710658
242-0665	150x300mm	6971570710665
242-0672	200x400mm	6971570710672
242-0689	250x500mm	6971570710689
242-0696	300x600mm	6971570710696

Digital Protractor

Description

- Applicable to fast and accuracy measurement
- Measuring range : 0-180°
- Made of stainless steel
- All Measuring faces are treated through quenching



Art No.	Size	Measuring range	Reading	Accuracy error	Barcode
242-150	120x150mm	0-180°	0.05°	±15'	6972727950613
242-200	150x200mm	0-180°	0.05°	±15'	6972727950620
242-300	200x300mm	0-180°	0.05°	±15'	6972727950637

Protractors

Description

- For measuring 0-180°, graduation 1°
- Made of carbon steel
- Rectangular plate
- Satin chromed finish, with locking screw
- Packed in soft pouch



Art No.	Size	Barcode
242-0580	85x150mm	6971570710580

Vernier Protractor

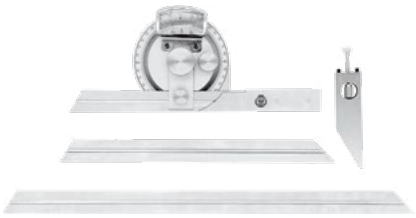


Description

- Made of stainless steel
- With fine adjustment
- Satin chrome plated
- Multiple combination of measuring methods

Art No.	Measuring range	Reading	Accuracy error	Barcode
242-0644	0-320°	2'	±2	6972727950644

Universal Bevel Protractors



Description

- Made of stainless steel
- Laser marking graduation
- All measuring face hardened and lapped
- With fine adjustment,Adjustable bezel
- Acute angle base as standard accessory
- Measuring range 360º, Reading 5', accuracy ±5'
- Packed in cardbox

Art No.	Barcode	Noted
242-0504	6971570710504	include 150/200/300mm blade

Digital Universal Bevel Protractors



Description

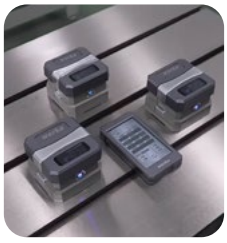
- Made of stainless steel
- All measuring face hardened and lapped
- Measuring range 360º
- Large LCD display with clear reading
- Two display lines,up line with 0.005° reading and down line with 30"
- Preset to 360°/180°/90°, two measuringdirections selectable
- With buttons Mode, SET, ZERO/ON and OFF
- With locking screw system
- Acute angle base as standard accessory
- Packed in cardbox with 1 x 3V battery CR2032

Art No.	Barcode	Noted
242-0511	6971570710511	include 150/200/300mm blade

Smart Precision Inspection Spirit Level







Description

For leveling and adjusting machines in a fast manner with combination of measuring terminal and hand-held device, more devices available for synchronous operation

- Wireless connection to the hand-hold terminal with digital display
- With dual-axis level measurement
- Quick calibration, stable accuracy
- One hand-held terminal can connect up to six inspection spirit level
- One display terminal can connect one inspection spirit level
- Quick calibration, stable accuracy
- Packed in aluminum box

Art No.	6128-N05	6128-N10
Barcode	6972727957391	N/A
Wireless device		
	Hand-hold terminal	Display terminal
	(One hand-held terminal can connect up to six inspection spirit level)	(One display terminal can connect to one inspection spirit level)
Measuring range	±0.5mm/m	
Resolution	0.01mm/m	
Accuracy error	±0.02mm/m	
Operating temperature	10~40°C	
Storage temperature	-20~70°C	
Power Supply	DC 3.7V	
Dimensions	100x100x78mm(sprit level)	

Spirit Level

Made in Europe NEW

Description

- Made of high quality special cast iron
- Made in and originated from europe
- V-groove suitable for shaft or round parts
- One horizontal vial and one vertical vial
- Packed in plastic box



Art.No.	Size	Accuracy Error	Barcode
6134-150	150 mm	0.02mm	6976367673611
6134-200	200 mm	0.02mm	6976367673628
6134-300	300 mm	0.02mm	6976367673635

Spirit Level With Magnetic

Made in Europe NEW

Description

- Made of high quality special cast iron
- Made in and originated from europe
- Prismatic base with magnetic
- V-groove suitable for shaft or round parts
- One horizontal vial and one vertical vial
- Packed in plastic box



Art.No.	Size	Accuracy Error	Barcode
6134-150M	150 mm	0.02mm	6976367673642
6134-200M	200 mm	0.02mm	6976367673659
6134-300M	300 mm	0.02mm	6976367673666

Frame Spirit Level

Made in Europe NEW

Description

- Made of high quality special cast iron
- Made in and originated from europe
- V-groove suitable for shaft or round parts
- One horizontal vial and one vertical vial
- Simple package



Art.No.	Size	Accuracy Error	Barcode
6135-150	150x150 mm	0.02mm	6976367673673
6135-200	200x200 mm	0.02mm	6976367673680
6135-300	300x300 mm	0.02mm	6976367673680

Frame Spirit Level With Magnetic

Made in Europe NEW

Description

- Made of high quality special cast iron
- Made in and originated from europe
- Prismatic base with magnetic
- V-groove suitable for shaft or round parts
- One horizontal vial and one vertical vial
- Simple package



Art.No.	Size	Accuracy Error	Barcode
6135-150M	150x150 mm	0.02mm	6976367673697
6135-200M	200x200 mm	0.02mm	6976367673703
6135-300M	300x300 mm	0.02mm	6976367673710

Frame Spirit Level



Made in Europe NEW

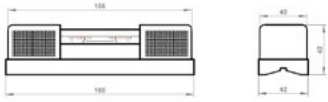
Description

- Made of high quality special cast iron
- Made in and originated from europe
- V-groove suitable for shaft or round parts
- One horizontal vial and one vertical vial
- Simple package

Art.No.	Size	Accuracy Error	Barcode
6136-150	150x150 mm	0.1mm	6976367673727
6136-200	200x200 mm	0.1mm	6976367673734
6136-300	300x300 mm	0.1mm	6976367673741

Spirit Level - Germany





NEW Made in Germany WP



Description

- Made in and originated from Germany
- Accoding to DIN877
- Made of high quality special cast iron, ground prismatic base
- V-groove suitable for shaft or round parts
- One horizontal vial and one vertical vial
- Insulation protection
- Delivered with a manual
- Fancy plastic box

Art.No.	Length	Accuracy	Standard	Barcode
6129-160	160 mm	0.02 mm/m	DIN877	6974804579434
6129-200	200 mm	0.02 mm/m	DIN877	6974804579441
6129-300	300 mm	0.02 mm/m	DIN877	6974804579458

Frame Spirit Level - Germany



NEW Made in Germany WP



Description

- Made in and originated from Germany
- Accoding to DIN877
- Made of high quality special cast iron, ground prismatic base
- V-groove suitable for shaft or round parts
- One horizontal vial and one vertical vial
- Insulation protection (Handle)
- Delivered with a manual,Fancy plastic box

Art.No.	Size	Accuracy	Standard	Barcode
6130-150	150x150 mm	0.02 mm/m	DIN877	6974804579465
6130-200	200x200 mm	0.02 mm/m	DIN877	6974804579472
6130-300	300x300 mm	0.02 mm/m	DIN877	6974804579489

Electronic Spirit Level - Germany

Description

- Made in and originated from Germany, Accoding to DIN877
- Super large display, clearer digit, Built-in electronic sensors
- Buit-in bluetooth module,wireless data tranmission
- Semi-automatic calibration, Temperature compensation
- APP on mobile phone via bluetooth connection available
- Software operation at PC side via bluetooth connection avialable
- Made of high quality special cast iron, ground prismatic base
- V-groove design for shaft and round parts
- Insulation protection,Delivered with an adapter
- Delivered with a wireless receiver
- Delivered with a manual,Fancy plastic case
- ON/FF,Retset,Unit,Absolute/relative mode,Hold



Art.No.	Length	Accuracy	Standard	Barcode
6131-200	200 mm	0.02 mm/m	DIN877	6974804579502

Electronic Frame Spirit Level - Germany

Description

- Made in and originated from Germany, Accoding to DIN877
- Super large display, clearer digit
- Built-in electronic sensors
- Buit-in bluetooth module, wireless data tranmission
- Semi-automatic calibration
- Temperature compensation
- APP on mobile phone via bluetooth connection available
- Software operation at PC side via bluetooth connection avialable
- Made of high quality special cast iron, ground prismatic base
- V-groove design for shaft and round parts
- Insulation protection
- Delivered with an adapter
- Delivered with a wireless receiver
- Delivered with a manual
- Fancy plastic case
- ON/FF,Reset,Unit,Absolute/relative mode,Hold





Art.No.	Size	Accuracy	Standard	Barcode
6132-150	150x150 mm	0.02 mm/m	DIN877	6974804579496

Digital Spirit Level

Description

- Made of high quality special cast iron
- Built in Bluetooth module for wireless data transmission
- V-groove suitable for shaft or round parts
- Button: ON/OFF, M, HOLD
- Packed in plastic box

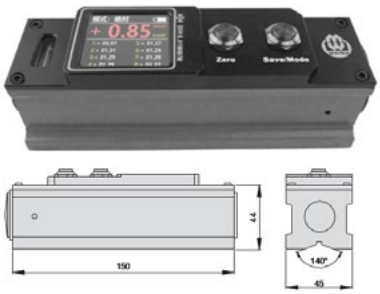


Art.No.	Size	Accuracy Error	Barcode
6133-G200	200x0.01 mm	0.02mm	6976367671914

Digital Spirit Level 50mm/m

Description

- The products are widely used in installation and adjustment of parts and equipment like precision platform, machine tool and CNC and so forth.
- Made of cast iron with V-groove
- Built-in rechargeable battery
- Function button: ON/OFF,ZERO,SAVE/MODE
- Deliver with certificate
- Prime plastic box



Art.No	Range	Accuracy	Barcode
6133-1502	50mm/m	0.02mm/m	6974804579113

Spirit Level

Description

- Made of special cast iron with high resistance to wear
- V-groove on the bottom



Art No.	Size	Accuracy error	Barcode
6126-1502	150mm	0.02mm	6972727952358
6126-2002	200mm	0.02mm	6972727952365
6126-3002	300mm	0.02mm	6972727952372

Frame Spirit Level

Description

- Made of special cast iron with high resistance to wear
- V-groove on the bottom and the vertical edge



Art No.	Size	Accuracy	Barcode
6125-1502	150x150mm	0.02mm	6972727952389
6125-2002	200x200mm	0.02mm	6972727952396
6125-3002	300x300mm	0.02mm	6972727952402

Digital Inclinometer

Description

Ideal tool for precise leveling ,measuring of squareness. IP65 protection, water and dust resistant.

- Sturdy housing with aluminium double-sided V-frame
- Large LCD display, with backlight
- Display always read upright,no matter which way the level is turned
- With data hold function,ABS system easy for self calibration
- ON/OFF and zero button, zero setting at any position
- No special instruments needed for recalibration
- Measuring range 360° (4x90°),Resolution 0.05°
- Accuracy : 0°and 90°±0.1°; the other angle ±0.2°
- Battery: AAA x2, Packed in card box



Art No.	Barcode
242-0702	6971570710702

Digital Protractor

Description

- Made of stainless steel
- Scale mm/inch ,reading: 1mm,1/32"
- LCD display,Auto power off
- With locking mechanis,Battery:3V CR2032
- Operation temperature:0℃ ~ +50℃
- With hanging holes
- Delivered with a manual,Colorful box
- ON/OFF,Reset



Art No.	Size	Range	Reading	Accuracy	Standard	Barcode
6104-200D	200mm	0-360°	0.1°	0.3°	Enterprise	6972727959609
6104-300D	300mm	0-360°	0.1°	0.3°	Enterprise	6972727959616

Spirit Level

Description

- Robust Aluminum body
- 1 horizontal vial and 1 vertical vial
- Measuring face with magnets for metal structure
- Large LCD display easy to read with backlight
- Absolute Zero system
- 0℃ ~ +50℃ Operation temperature:0℃ ~ +50℃
- With a hanging hole,Battery: 2 AAA
- Delivered with a manual
- Delivered with a black bag,Carton box
- ON/OFF,Unit:mm/m,%,in/ft,Backlight
- Data locking,Sound setting,Calibration



Art No.	Size	Range	Reading	Accuracy Error	Standard	Barcode	Remark
6128-400	400 mm	360°(4x90°)	0.05°(0° and 90°) 0.1°(1°-89°)	0.05°(0° and 90°) 0.2°(1°-89°)	Enterprise	6976367671204	New
6128-600	600 mm					6974804571735	

Digital Inclinometer

Description

- Easy to use gauge for angle finding, for many applications
- Large LCD for easy reading, LCD display is foldable
- With magnetic V-base
- Two buttons: ON/OFF, HOLD
- Degree and slope conversion
- Unit size of product: 55x57x32mm
- Measuring range ±180°, Resolution 0.1°
- Battery: AAA x2, Packed in card box





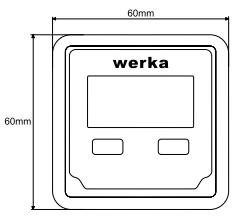
Art No.	Barcode
242-0719	6971570710719

Digital Bevel Box

Description

- Suitable for inclination and angle measurement
- Made of Al alloy,With magnets
- Reversed measurement available
- Auto power off,1 AAA battery
- Operation temperature:0℃ ~ +50℃
- Delivered with a manual,Colorful box
- ON/OFF,Reset





Art No.	Range	Reading	Accuracy	Standard	Barcode
6103-02	4x90°	0.1°	0.1°	Enterprise	6974804570462

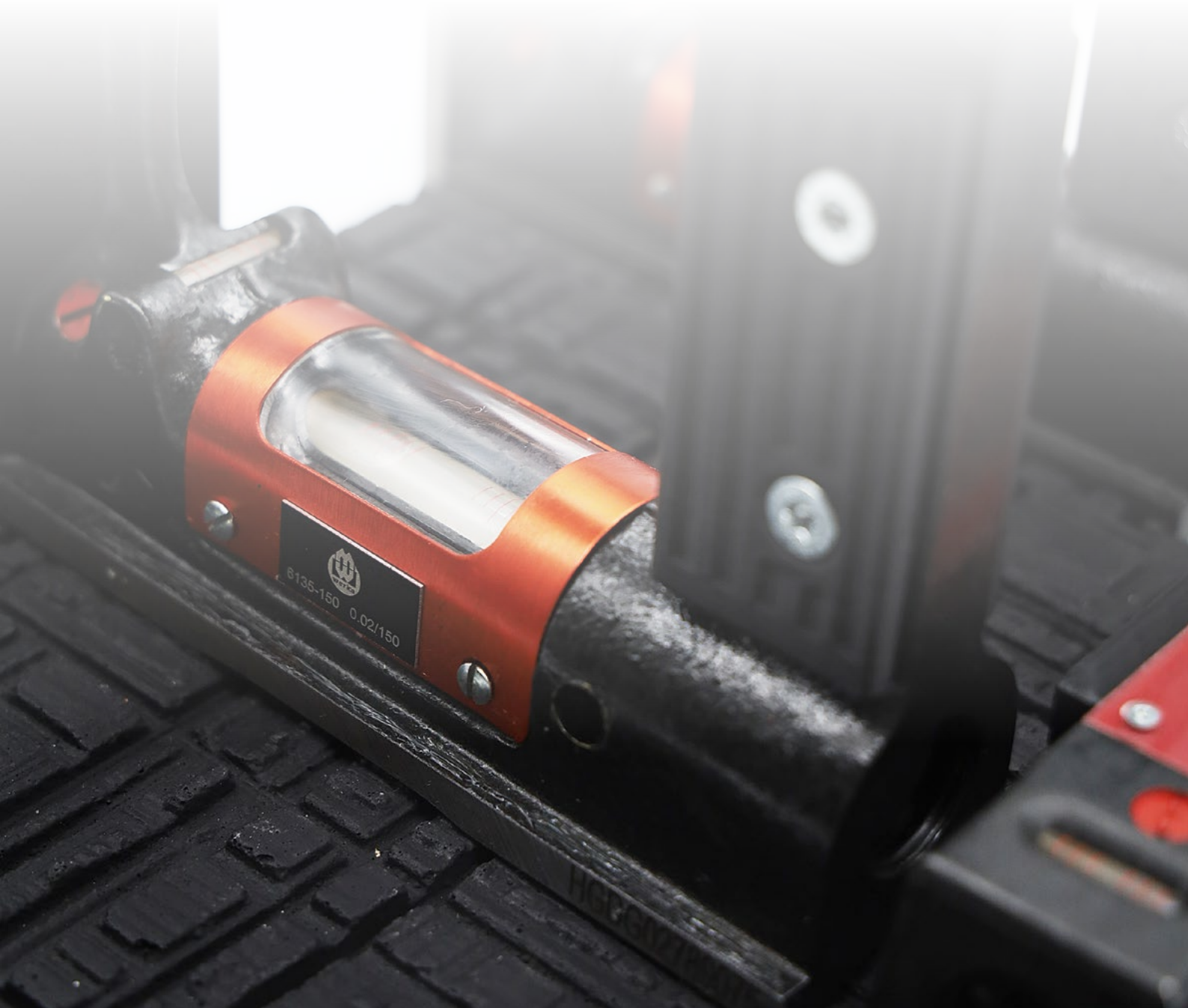
Combination Square

Description



- Made of cast iron
- Square head, protractor and center head
- Stainless steel blade with etched clear graduation
- Fine milled measuring faces
- Blade graduation:For metric:top 1/2mm bottom 1mm, rear side same For metric/inch: top 1/2mm bottom 1mm, top 1/64"inch bottom 1/32" inch on rear side For inch: top 1/64 inch bottom 1/32 inch, rear side same
- Packed in plastic box

Art No.	Blade Size	Barcode
240-0726	300mm	6971570710726
240-0733	300mm/12"	6971570710733
240-0740	12"	6971570710740



GAUGE AND BLOCKS

GAUGE BLOCK

•

OPTICAL FLAT

•

PLAIN PLUG/RING GAUGE

•

FEELER GAUGE

•

TAPER GAUGE

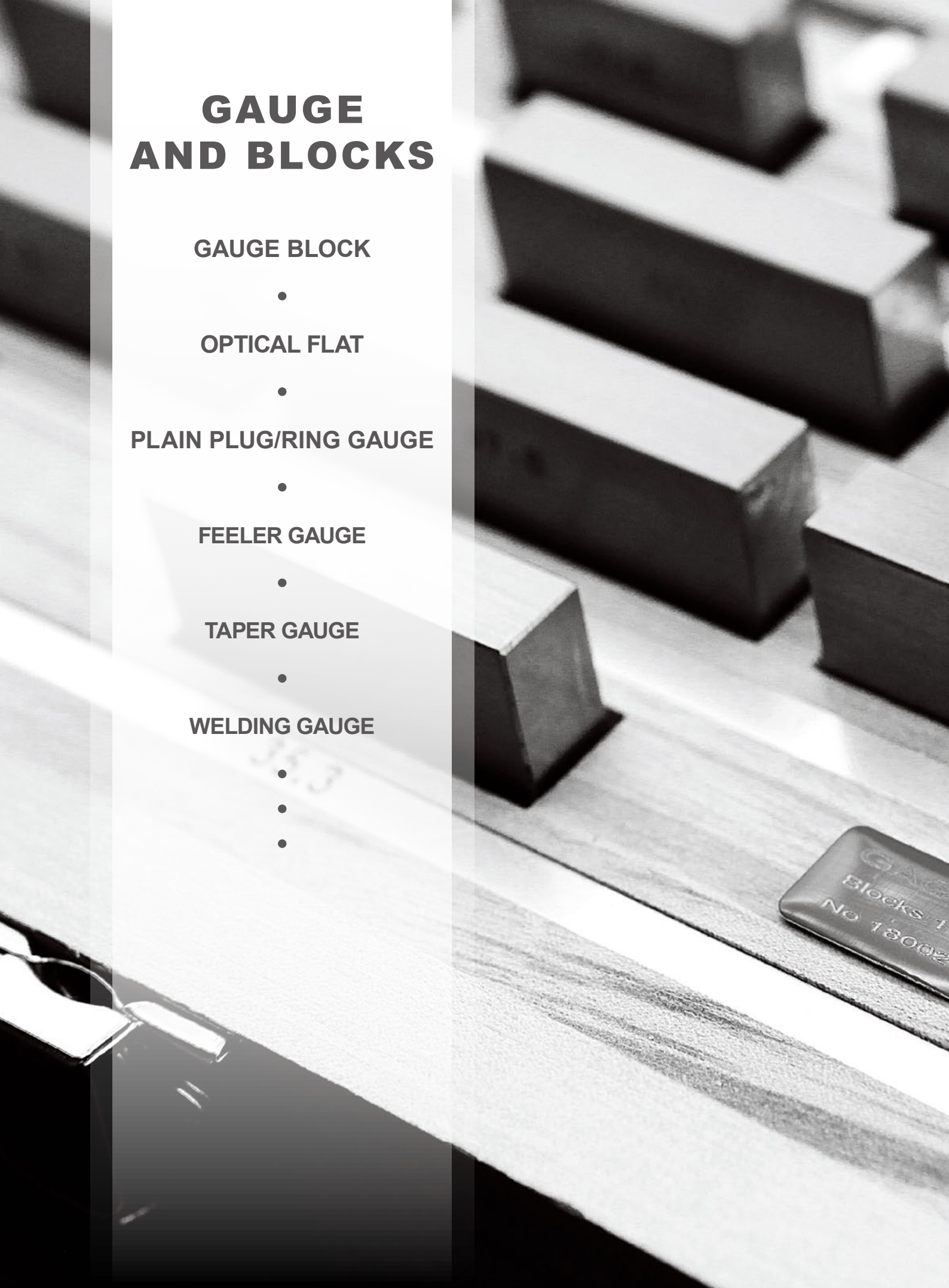
•

WELDING GAUGE

•

•

•



Steel Gauge Block Sets



Description

- According to GOST 9038-90
- Made from high quality alloy steel
- With individual certificate
- Packed in wooden box
- Dakks certificate for metric is available basis on requirement with additional cost

Grade 0		Grade 1		Grade 2		Pcs/Set	Nominal Size (mm)	Steps (mm)	Pieces
Art No.	Barcode	Art No.	Barcode	Art No.	Barcode				
5100-112-0	6972727952631	5100-112-1	6972727952648	5100-112-2	6972727952655	112	1.005	/	1
							1.0-1.5	0.01	51
							1.6-2	0.1	5
							0.5	0.5	1
							2.5-25	0.5	46
							30-100	10	8
5100-83-0	6972727952662	5100-83-1	6972727952679	5100-83-2	6972727952686	83	1.005	/	1
							1.0-1.5	0.01	51
							1.6-2	0.1	5
							0.5	0.5	1
							2.5-10	0.5	16
							20-100	10	9
5100-38-0	6972727952693	5100-38-1	6972727952709	5100-38-2	6972727952716	38	1.005	/	1
							1.01 -1.1	0.01	1
							1.2-2	0.1	11
							3-10	1	8
							20-100	10	9

Carbide Gauge Block Sets



Description

- According to GOST 9038-90
- Made from cemented carbide
- With individual certificate
- Packed in wooden box
- Dakks certificate for metric is availablebasis on requirement with additional cost

Grade 1		Pcs/Set	Nominal Size (mm)	Steps (mm)	Pieces
Art No.	Barcode				
5101-112-1	6972727952747	112	1.005	/	1
			1.0-1.5	0.01	51
			1.6-2	0.1	5
			0.5	0.5	1
			2.5-25	0.5	46
			30-100	10	8
5101-83-1	6972727952730	83	1.005	/	1
			1.0-1.5	0.01	51
			1.6-2	0.1	5
			0.5	0.5	1
			2.5-10	0.5	16
			20-100	10	9
5101-38-1	6972727952723	38	1.005	/	1
			1.01 -1.1	0.01	1
			1.2-2	0.1	11
			3-10	1	8
			20-100	10	9

Steel Gauge Block Sets

Description

- According to DIN EN ISO 3650 for metric.
- ASME B89.1.9-2002 for inch.
- Made from high quality alloy steel
- Hardness of measuring face ≥HRC64
- With individual certificate
- Packed in wooden box
- Dakks certificate for metric is available basis on requirement with additional cost



FOR METRIC

Grade 0		Grade 1		Grade 2		Pcs/Set	Nominal Size (mm)	Steps (mm)	Pieces
Art No.	Barcode	Art No.	Barcode	Art No.	Barcode				
280-5035	6971570715035	280-5042	6971570715042	280-5059	6971570715059	103	1.005	/	1
							1.01 - 1.49	0.01	49
							0.5 - 24.5	0.5	49
							25 - 100	25	4
280-5066	6971570715066	280-5073	6971570715073	280-5080	6971570715080	87	1.001 - 1.009	0.001	9
							1.01 - 1.49	0.01	49
							0.5-9.5	0.5	19
							10-100	10	10
280-5097	6971570715097	280-5103	6971570715103	280-5110	6971570715110	47	1.005	/	1
							1.01 -1.9	0.01	9
							1.1-1.9	0.1	9
							1-24	1	24
							25-100	25	4
280-5127	6971570715127	280-5134	6971570715134	280-5141	6971570715141	32	1.005	/	1
							1.01 - 1.09	0.01	9
							1.1 - 1.9	0.1	9
							1-9	1	9
							10-30	10	3
							50	/	1

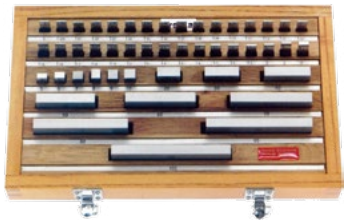
FOR INCH

Grade 0		Grade 1		Grade 2		Pcs/Set	Nominal Size (inch)	Steps (inch)	Pieces
Art No.	Barcode	Art No.	Barcode	Art No.	Barcode				
280-5158	6971570715158	280-5165	6971570715165	280-5172	6971570715172	81	0.1001 - 0.1009"	0.0001"	9
							0.101 - 0.149"	0.001"	49
							0.05 - 0.95"	0.05"	19
							1-4"	1"	4
280-5189	6971570715189	280-5196	6971570715196	280-5202	6971570715202	36	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
							0.05", 1", 2", 4"	0.1"	4

Carbide Gauge Block Sets

Description

- According to DIN EN ISO 3650.
- Made from cemented carbide
- Hardness about HV 1500
- With individual certificate, Packed in wooden box
- Dakks certificate for metric is available basis on requirement with additional cost



Grade 0		Grade 1		Pcs/Set	Nominal Size (mm)	Steps (mm)	Pieces
Art No.	Barcode	Art No.	Barcode				
280-5219	6971570715219	280-5226	6971570715226	103	1.005	/	1
					1.01 - 1.49	0.01	49
					0.5 - 24.5	0.5	49
					25 - 100	25	4
280-5233	6971570715233	280-5240	6971570715240	87	1.001 - 1.009	0.001	9
					1.01 - 1.49	0.01	49
					0.5-9.5	0.5	19
					10-100	10	10
280-5257	6971570715257	280-5264	6971570715264	47	1.005	/	1
					1.01 -1.9	0.01	9
					1.1-1.9	0.1	9
					1-24	1	24
					25-100	25	4
280-5271	6971570715271	280-5288	6971570715288	32	1.005	/	1
					1.01 - 1.09	0.01	9
					1.1 - 1.9	0.1	9
					1-9	1	9
					10-30	10	3
					50	/	1

Ceramic Parallel Block Set

Description

- According to DIN EN ISO3650, Made of zirconia (ZrO2)
- Higher hardness and nicer durability
- Incl. WERKA test certificate
- High quality wooden case
- Dakks test certificate available, additional charges required



Grade 0		Grade 1		Pcs/Set	Nominal Size (mm)	Steps (mm)	Pieces
Art No.	Barcode	Art No.	Barcode				
5101-103-C0	6972727958329	5101-103-C1	6972727958336	103	1.005	/	1
					1.01 - 1.49	0.01	49
					0.5 - 24.5	0.5	49
					25 - 100	25	4
5101-87-C0	6972727958343	5101-87-C1	6972727958350	87	1.001 - 1.009	0.001	9
					1.01 - 1.49	0.01	49
					0.5-9.5	0.5	19
					10-100	10	10
5101-47-C0	6972727958367	5101-47-C1	6972727958374	47	1.005	/	1
					1.01 -1.9	0.01	19
					1.2-1.9	0.1	8
					1-9	1	9
					10-100	10	10
5101-32-C0	6972727958381	5101-32-C1	6972727958398	32	1.005	/	1
					1.01 - 1.09	0.01	9
					1.1 - 1.9	0.1	9
					1-9	1	9
					10-30	10	3
					50	/	1

Steel Gauge Block Sets

Description

- According to DIN EN ISO 3650.
- For checking outside micrometers
- Alloy steel hardened, ground and finely lapped
- Packed in wooden box
- Dakks certificate for metric is available basis on requirement with additional cost



Art No.	Grade	Pcs/Set	Content	Barcode
280-5325	1	10	2.5 / 5.1 / 7.7 / 10.3 / 12.9 / 15.0 / 17.6 / 20.2 / 22.8 / 25.0	6971570715295
280-5332	1	11	25 / 27.5 / 30.1 / 32.7 / 35.3 / 37.9 / 40.0 / 42.6 / 45.2 / 47.8 / 50	6971570715301
280-5349	1	11	50 / 52.5 / 55.1 / 57.7 / 60.3 / 62.9 / 65.0 / 67.6 / 70.2 / 72.8 / 75	6971570715318
280-5356	1	11	75 / 77.5 / 80.1 / 82.7 / 85.3 / 87.9 / 90.0 / 92.6 / 95.2 / 97.8 / 100.0	

Vernier Caliper Control Gauge Block Sets

Description

- According to DIN EN ISO 3650.
- For checking calipers
- Alloy steel hardened, ground and finely lapped
- Packed in wooden box
- Dakks certificate for metric is available basis on requirement with additional cost



Art No.	Grade	Pcs/Set	Content	Barcode
280-5295	1	2+1	41.3 / 131.40 / ring gauge 20mm	6971570715295
280-5301	1	3+1	41.3 / 131.40 / 243.50 / ring gauge 20mm	6971570715301
280-5318	1	4+1	41.3 / 131.40 / 243.50 / 281.20 / ring gauge 20mm	6971570715318

Optical Flat

Description

- For inspection the flatness of measuring face
- For testing the parallelism of measuring faces of micrometers
- Parallelism ≤ 0.20µm
- Packed in wooden box



Art No.	Diameter	Thickness	Flatness µm	Barcode
280-6872	ø45mm	15mm	≤0.1	6971570716872

Optical Flats Set

Description

- For inspection the flatness of measuring face
- For testing the parallelism of measuring facesof micrometers
- 4pcs/set
- packed in wooden box



Art No.	Diameter	Parallelism µm	Flatness µm	Content	Barcode
280-5363	ø30mm	≤0.2µm	≤0.1µm	12/12.12/12.25/12.37	6971570715363
280-5370	ø30mm	≤0.2µm	≤0.1µm	25/25.12/25.25/25.37	6971570715370

Gauge Block Holder

Description

- Used for clamping measuring blocks, for quick measurement. Especially suitable for micrometer accuracy detection
- It can hold 11 pcs measuring blocks

Art.No.	Size	Base Dimension	Barcode
5127-11	120x120x327.6 mm	120x120x20 mm	6972727952822





NEW

Note: steel block excluded

Optial Flat Holder

Description

- Used for clamping optical falt, for rapid measurement of micrometer accuracy
- It can be hold 4 pcs optial flat(Dia. 30mm)

Art.No.	Size	Base Dimension	Barcode
5127-30	120x120x327.6 mm	120x120x20 mm	6972727952839





NEW

Note: optical flat excluded



Steel Ball Set

Description

- For the measurement of taper hole angle and hole diameter
- 50pcs per set,Made of bearing steel (Gcr15)
- HRC63,2pcs for each size
- High quality plastic case

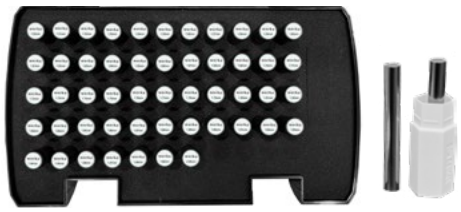


Art No.	Measuring range	Barcode
5111-25	1-25mm	6972727957834

Pin Gauge Set

Description

- Suitable for internal holes comparison measurement, fitting with a handle to make it a GO/NO GO Gauge
- Made of Steel(GCr15)
- Set,Step 0.01mm
- Delivered with an inspection report
- Plastic tube for each pin and a plastic case for the set



Art. No.	Range	Step	Pins per set	Bar code
5128-041-01	0.10-0.50 mm	0.01 mm	41	6974804574606
5128-051-01	0.50-1.00 mm	0.01 mm	51	6974804574613
5128-051-02	1.00-1.50 mm	0.01 mm	51	6974804574620
5128-051-03	1.50-2.00 mm	0.01 mm	51	6974804574637
5128-051-04	2.00-2.50 mm	0.01 mm	51	6974804574644
5128-051-05	2.50-3.00 mm	0.01 mm	51	6974804574651
5128-051-06	3.00-3.50 mm	0.01 mm	51	6974804574668
5128-051-07	3.50-4.00 mm	0.01 mm	51	6974804574675
5128-051-08	4.00-4.50 mm	0.01 mm	51	6974804574682
5128-051-09	4.50-5.00 mm	0.01 mm	51	6974804574699
5128-051-10	5.00-5.50 mm	0.01 mm	51	6974804574705
5128-051-11	5.50-6.00 mm	0.01 mm	51	6974804574712
5128-051-12	6.00-6.50 mm	0.01 mm	51	6974804574729
5128-051-13	6.50-7.00 mm	0.01 mm	51	6974804574736
5128-051-14	7.00-7.50 mm	0.01 mm	51	6974804574743
5128-051-15	7.50-8.00 mm	0.01 mm	51	6974804574750
5128-051-16	8.00-8.50 mm	0.01 mm	51	6974804574767
5128-051-17	8.50-9.00 mm	0.01 mm	51	6974804574774
5128-051-18	9.00-9.50 mm	0.01 mm	51	6974804574781
5128-051-19	9.50-10.00 mm	0.01 mm	51	6974804574798
5128-051-20	10.00-10.50 mm	0.01 mm	51	6974804574804
5128-051-21	10.50-11.00 mm	0.01 mm	51	6974804574811
5128-051-22	11.00-11.50 mm	0.01 mm	51	6974804574828
5128-051-23	11.50-12.00 mm	0.01 mm	51	6974804574835
5128-051-24	12.00-12.50 mm	0.01 mm	51	6974804574842
5128-051-25	12.50-13.00 mm	0.01 mm	51	6974804574859

Precision Measuring Steel Pins





Description

- Made of High Speed Steel according to JJF standard
- 51pcs per set, High speed steel, HRC63
- Precision up to 0.001mm
- Length 50mm
- Incl.pin holder, easy combination with GO/NO GO gauges
- High quality plastic case

Art No.	Size	Steps	Set	Barcode
5130-051-01	1.00 1.01...1.49 1.50mm	0.01mm	51	6972727955502
5130-051-02	1.50 1.51...1.99 2.00mm	0.01mm	51	6972727955519
5130-051-03	2.00 2.01...2.49 2.50mm	0.01mm	51	6972727955526
5130-051-04	2.50 2.51...2.99 3.00mm	0.01mm	51	6972727955533
5130-051-05	3.00 3.01...3.49 3.50mm	0.01mm	51	6972727955540
5130-051-06	3.50 3.51...3.99 4.00mm	0.01mm	51	6972727955557
5130-051-07	4.00 4.01...4.49 4.50mm	0.01mm	51	6972727955564
5130-051-08	4.50 4.51...4.99 5.00mm	0.01mm	51	6972727955571
5130-051-09	5.00 5.01...5.49 5.50mm	0.01mm	51	6972727955588
5130-051-10	5.50 5.51...5.99 6.00mm	0.01mm	51	6972727955595
5130-051-11	6.00 6.01...4.49 6.50mm	0.01mm	51	6972727955601
5130-051-12	6.50 6.51...6.99 7.00mm	0.01mm	51	6972727955618
5130-051-13	7.00 7.01...7.49 7.50mm	0.01mm	51	6972727955625
5130-051-14	7.50 7.51...7.99 8.00mm	0.01mm	51	6972727955632
5130-051-15	8.00 8.01...8.49 8.50mm	0.01mm	51	6972727955649
5130-051-16	8.50 8.51...8.99 9.00mm	0.01mm	51	6972727955656
5130-051-17	9.00 9.01...9.49 9.50mm	0.01mm	51	6972727955663
5130-051-18	9.50 9.51...9.99 10.00mm	0.01mm	51	6972727955670

Precision Measuring Pin Gauge



Description

- HRC58-62 Made of high speed steel, HRC58-62
- 50mm, Length 50mm
- 0.001mm Precision up to 0.001mm
- High quality plastic box

Art.No.	Size	Steps	Set/pcs	Barcode	Remark
5130-016-01	0.05-0.20 mm	0.01 mm	16 pcs/set	6976367673598	
5130-031-01	0.20-0.50 mm	0.01 mm	31 pcs/set	6976367673604	with holder

Pin Gauge Individual Optional



Description

- Individual optional
- HRC58-62 Made of stainless steel, HRC 58-62
- Length 50mm
- Accuracy error: ±0.001mm
- High quality plastic box

Art.No.	Size	By Step
5130-003 to 5130-050	0.03-0.50	step 0.01mm
5130-051 to 5130-099	0.51-0.99	step 0.01mm
5130-100 to 5130-199	1.00-1.99	step 0.01mm
5130-200 to 5130-299	2.00-2.99	step 0.01mm
5130-300 to 5130-399	3.00-3.99	step 0.01mm
5130-400 to 5130-499	4.00-4.99	step 0.01mm
5130-500 to 5130-599	5.00-5.99	step 0.01mm
5130-600 to 5130-699	6.00-6.99	step 0.01mm
5130-700 to 5130-799	7.00-7.99	step 0.01mm

Art.No.	Size	By Step
5130-800 to 5130-899	8.00-8.99	step 0.01mm
5130-900 to 5130-999	9.00-9.99	step 0.01mm
5130-1000 to 5130-1099	10.00-10.99	step 0.01mm
5130-1100 to 5130-1199	11.00-11.99	step 0.01mm
5130-1200 to 5130-1299	12.00-12.99	step 0.01mm
5130-1300 to 5130-1399	13.00-13.99	step 0.01mm
5130-1400 to 5130-1499	14.00-14.99	step 0.01mm
5130-1500 to 5130-1599	15.00-15.99	step 0.01mm

Handle For Pin Gauge

Description

- Handle for pin gauge
- Can be equipped with pin gauge.
  the red end for NOGO, the green end for GO
- Easy assembly, no need for frequent replacement of bushings
- High quality plastic box



Art.No.	For Pin Gauge Size
WP-5130-01HA	0.03-1.00
WP-5130-02HA	1.00-2.00
WP-5130-03HA	2.00-3.00
WP-5130-04HA	3.00-4.00
WP-5130-05HA	4.00-5.00
WP-5130-06HA	5.00-6.00
WP-5130-07HA	6.00-7.00

Art.No.	For Pin Gauge Size
WP-5130-08HA	7.00-8.00
WP-5130-09HA	8.00-9.00
WP-5130-10HA	9.00-10.00
WP-5130-11HA	10.00-11.00
WP-5130-12HA	11.00-12.00
WP-5130-13HA	12.00-13.00
WP-5130-14HA	13.00-14.00





GAUGE

PLAIN PLUG GAUGE

•

PLAIN SETTING RING GAUGE

•

PLUG GAUGE SET

•

THREAD PLUG GAUGE SET

•

THREAD PLUG GAUGE SET

•

THREAD PLUG GAUGES
METRIC THREAD

•

THREAD RING GAUGES,
METRIC THREAD, GO END

•

•

•

Plain Plug Gauge

Description

The size small than 60mm one handle with GO and NOGO.
From the size 60mm, GO and NOGO has individual handle.

- DIN2245
- Tolerance H7
- Special steel, finely ground and lapped
- Packed in plastic tube
- Deliver with certificate



Art No.	Size	Barcode
261-2614	ø2	6971570712614
261-2621	ø2.5	6971570712621
261-2638	ø3	6971570712638
261-2645	ø3.5	6971570712645
261-2652	ø4	6971570712652
261-2669	ø4.5	6971570712669
261-2676	ø5	6971570712676
261-2683	ø6	6971570712683
261-2690	ø7	6971570712690
261-2706	ø8	6971570712706
261-2713	ø9	6971570712713
261-2720	ø10	6971570712720
261-2737	ø11	6971570712737
261-2744	ø12	6971570712744
261-2898	ø27	6971570712898
261-2904	ø28	6971570712904
261-2911	ø29	6971570712911
261-2928	ø30	6971570712928
261-2935	ø31	6971570712935
261-2942	ø32	6971570712942
261-2959	ø33	6971570712959
261-2966	ø34	6971570712966
261-2973	ø35	6971570712973
261-2980	ø36	6971570712980
261-2997	ø37	6971570712997
261-3000	ø38	6971570713000
261-3017	ø40	6971570713017
261-3024	ø42	6971570713024
261-3031	ø44	6971570713031
261-3048	ø45	6971570713048
261-3055	ø46	6971570713055
261-3062	ø47	6971570713062
261-3079	ø48	6971570713079
261-3086	ø50	6971570713086

Art No.	Size	Barcode
261-2751	ø13	6971570712751
261-2768	ø14	6971570712768
261-2775	ø15	6971570712775
261-2782	ø16	6971570712782
261-2799	ø17	6971570712799
261-2805	ø18	6971570712805
261-2812	ø19	6971570712812
261-2829	ø20	6971570712829
261-2836	ø21	6971570712836
261-2843	ø22	6971570712843
261-2850	ø23	6971570712850
261-2867	ø24	6971570712867
261-2874	ø25	6971570712874
261-2881	ø26	6971570712881
261-3093	ø52	6971570713093
261-3109	ø55	6971570713109
261-6865	ø58	6971570716865
261-3116	ø60	6971570713116
261-3123	ø62	6971570713123
261-3130	ø65	6971570713130
261-3147	ø68	6971570713147
261-3154	ø70	6971570713154
261-3161	ø72	6971570713161
261-3178	ø75	6971570713178
261-3185	ø78	6971570713185
261-3192	ø80	6971570713192
261-3208	ø82	6971570713208
261-3215	ø85	6971570713215
261-3222	ø88	6971570713222
261-3239	ø90	6971570713239
261-3246	ø92	6971570713246
261-3253	ø95	6971570713253
261-3260	ø98	6971570713260
261-3277	ø100	6971570713277

Plain Setting Ring Gauge



Description

- According to DIN2250C
- Special steel, finely ground and lapped
- Packed in plastic box
- Deliver with certificate

Art No.	Size	Barcode
261-3284	ø3	6971570713284
261-3291	ø4	6971570713291
261-3307	ø5	6971570713307
261-3314	ø6	6971570713314
261-3321	ø7	6971570713321
261-3338	ø8	6971570713338
261-3345	ø9	6971570713345
261-3352	ø10	6971570713352
261-3369	ø11	6971570713369
261-3376	ø12	6971570713376
261-3482	ø23	6971570713482
261-3499	ø24	6971570713499
261-3505	ø25	6971570713505
261-3512	ø26	6971570713512
261-3529	ø27	6971570713529
261-3536	ø28	6971570713536
261-3543	ø30	6971570713543
261-3550	ø32	6971570713550
261-3567	ø33	6971570713567
261-3574	ø34	6971570713574
261-3581	ø35	6971570713581
261-3598	ø36	6971570713598
261-3604	ø37	6971570713604
261-3611	ø38	6971570713611
261-3628	ø40	6971570713628
261-3635	ø42	6971570713635
261-3642	ø44	6971570713642
261-3659	ø45	6971570713659
261-3666	ø46	6971570713666
261-3673	ø47	6971570713673
261-3680	ø48	6971570713680
261-3697	ø50	6971570713697
261-3703	ø52	6971570713703
261-3710	ø53	6971570713710
261-3727	ø54	6971570713727
261-3734	ø55	6971570713734
261-3741	ø58	6971570713741
261-3758	ø60	6971570713758
261-3765	ø62	6971570713765
261-3772	ø65	6971570713772
261-3789	ø68	6971570713789

Art No.	Size	Barcode
261-3383	ø13	6971570713383
261-3390	ø14	6971570713390
261-3406	ø15	6971570713406
261-3413	ø16	6971570713413
261-3420	ø17	6971570713437
261-3437	ø18	6971570713437
261-3444	ø19	6971570713444
261-3451	ø20	6971570713451
261-3468	ø21	6971570713468
261-3475	ø22	6971570713475
261-3796	ø70	6971570713796
261-3802	ø72	6971570713802
261-3819	ø75	6971570713819
261-3826	ø80	6971570713826
261-3833	ø85	6971570713833
261-3840	ø90	6971570713840
261-3857	ø95	6971570713857
261-3864	ø100	6971570713864
261-3871	ø105	6971570713871
261-3888	ø110	6971570713888
261-3895	ø115	6971570713895
261-3901	ø120	6971570713901
261-3918	ø125	6971570713918
261-3925	ø130	6971570713925
261-3932	ø135	6971570713932
261-3949	ø140	6971570713949
261-3956	ø145	6971570713956
261-3963	ø150	6971570713963
261-3970	ø155	6971570713970
261-3987	ø160	6971570713987
261-3994	ø165	6971570713994
261-4007	ø170	6971570714007
261-4014	ø175	6971570714014
261-4021	ø180	6971570714021
261-4038	ø190	6971570714038
261-4045	ø195	6971570714045
261-4052	ø200	6971570714052
261-4069	ø225	6971570714069
261-4076	ø250	6971570714076
261-4083	ø275	6971570714083

Plug Gauge Set



Electronic report only

Description

- Made of special steel,finely ground and lapped
- Tolerance H7
- Deliver with certificate
- Prime plastic box

Art.No	Set	Content	Standard	Barcode
5107-S7	7pcs/set	3,4,5,6,8,10,12 mm	DIN 2245	6974804579069

Thread Plug Gauge Set



Electronic report only

Description

- Made of special steel,finely ground and lapped
- Right hand thread
- GO and NOGO tips
- Tolerance 6H
- Deliver with certificate
- Prime plastic box

Art.No	Set	Content	Standard	Barcode
5109-S7	7pcs/set	M3,M4,M5,M6,M8,M10,M12	DIN 13	6974804579076

Thread Plug Gauges Metric Thread

Description

- According to DIN13 6H standard
- Right hand thread
- Finely ground and lapped
- Incl. Dakks test certificate
- High quality plastic tube



Art No.	Nominal Diameter × pitch	Type: GO/NO
5109-01-2	M1x0.25	GO and NOGO
5109-012-2	M1.2x0.25	GO and NOGO
5109-014-3	M1.4x0.3	GO and NOGO
5109-016-4	M1.6x0.35	GO and NOGO
5109-017-4	M1.7x0.35	GO and NOGO
5109-018-4	M1.8x0.35	GO and NOGO
5109-02-5	M2x0.4	GO and NOGO
5109-025-6	M2.5x0.45	GO and NOGO
5109-026-6	M2.6x0.45	GO and NOGO
5109-03-7	M3x0.5	GO and NOGO
5109-035-8	M3.5x0.6	GO and NOGO
5109-04-9	M4x0.7	GO and NOGO
5109-05-11	M5x0.8	GO and NOGO
5109-06-12	M6x1	GO and NOGO
5109-07-12	M7x1	GO and NOGO
5109-08-13	M8x1.25	GO and NOGO
5109-09-13	M9x1.25	GO and NOGO
5109-10-14	M10x1.5	GO and NOGO
5109-12-15	M12x1.75	GO and NOGO
5109-14-16	M14x2	GO and NOGO
5109-16-16	M16x2	GO and NOGO
5109-18-17	M18x2.5	GO and NOGO
5109-20-17	M20x2.5	GO and NOGO
5109-22-17	M22x2.5	GO and NOGO
5109-24-18	M24x3	GO and NOGO
5109-27-18	M27x3	GO and NOGO
5109-30-19	M30x3.5	GO and NOGO

Art No.	Nominal Diameter × pitch	GO and NOGO
5109-33-19	M33x3.5	GO and NOGO
5109-36-20	M36x4	GO and NOGO
5109-39-20	M39x4	GO and NOGO
5109-42-21	M42x4.5	GO and NOGO
5109-45-21	M45x4.5	GO and NOGO
5109-48-22	M48x5	GO and NOGO
5109-52-22	M52x5	GO and NOGO
5109-56-23	M56x5.5	GO and NOGO
5109-60-23	M60x5.5	GO and NOGO
5109-62-23	M62x5.5	GO and NOGO
5109-64-24	M64x6	GO and NOGO
5109-65-24	M65x6	GO and NOGO
5109-68-24	M68x6	GO and NOGO
5109-69-24	M69x6	GO and NOGO
5109-70-24	M70x6	GO and NOGO
5109-72-24	M72x6	GO and NOGO
5109-75-24	M75x6	GO and NOGO
5109-76-24	M76x6	GO and NOGO
5109-80-24	M80x6	GO and NOGO
5109-82-24	M82x6	GO and NOGO
5109-85-24	M85x6	GO and NOGO
5109-88-24	M88x6	GO and NOGO
5109-90-24	M90x6	GO and NOGO
5109-92-24	M92x6	GO and NOGO
5109-95-24	M95x6	GO and NOGO
5109-98-24	M98x6	GO and NOGO
5109-100-24	M100x6	GO and NOGO

Pipe Thread Plug Gauge

Description

- According to ISO228 standard
- Including GO and NOGO
- Made of special steel, findly ground and lapped
- Deliver with test certificate
- High quality plastic tube



Art.No.	Size	Barcode
5109-GP1828	G1/8-28	6976367671211
5109-GP1419	G1/4- 19	6976367671228
5109-GP3819	G3/8- 19	6976367671235
5109-GP1214	G1/2- 14	6976367671242
5109-GP3414	G3/4- 14	6976367671259
5109-GP7814	G7/8- 14	6976367671266
5109-GP1011	G1- 11	6976367671273
5109-GP11411	G1 1/4- 11	6976367671280
5109-GP11211	G1 1/2- 11	6976367671297
5109-GP2011	G2- 11	6976367671303

NPT Plug Gauge

Description

- According to ANSI/ASME B1.20.1 standard
- Conical degree 1：16
- Made of special steel, findly ground and lapped
- High quality plastic tube



Art.No.	Size	Barcode
5109-NPT1827	1/8-27NPT	6976367671365
5109-NPT3818	3/8-18NPT	6972727957582
5109-NPT1418	1/4-18NPT	6976367671372
5109-NPT1214	1/2-14NPT	6972727959661
5109-NPT3414	3/4-14NPT	6972727957599
5109-NPT1	1"NPT	6972727957605
5109-NPT1115	1-11.5NPT	6972727959678

Ceramic Ring Gauge

Description

- Made of ceramic, hardness of HV1200
- Strong corrosion resistance, high-strength wear-resistant
- Non magnetic, non-conductive, anti-static
- Surface finish：Ra0.025a
- Accuracy error：±0.001mm
- High quality plastic box
- Special note: Other specifications can be customized, such as: 3.02, 3.05, 3.19…….



Art.No.	Size
5108-003CR	3.00
5108-004CR	4.00
5108-005CR	5.00
5108-006CR	6.00
5108-007CR	7.00
5108-008CR	8.00
5108-009CR	9.00
5108-010CR	10.00
5108-011CR	11.00
5108-012CR	12.00
5108-013CR	13.00
5108-014CR	14.00
5108-015CR	15.00
5108-016CR	16.00
5108-017CR	17.00
5108-018CR	18.00

Art.No.	Size
5108-019CR	19.00
5108-020CR	20.00
5108-021CR	21.00
5108-022CR	22.00
5108-023CR	23.00
5108-024CR	24.00
5108-025CR	25.00
5108-026CR	26.00
5108-027CR	27.00
5108-028CR	28.00
5108-029CR	29.00
5108-030CR	30.00
5108-031CR	31.00
5108-032CR	32.00
5108-033CR	33.00
5108-034CR	34.00

Art.No.	Size
5108-035CR	35.00
5108-036CR	36.00
5108-037CR	37.00
5108-038CR	38.00
5108-039CR	39.00
5108-040CR	40.00
5108-041CR	41.00
5108-042CR	42.00
5108-043CR	43.00
5108-044CR	44.00
5108-045CR	45.00
5108-046CR	46.00
5108-047CR	47.00
5108-048CR	48.00
5108-049CR	49.00
5108-050CR	50.00

Thread Plug Gauges - Metric Fine Thread

Description

- According to DIN13 6H standard
- Right hand thread
- Finely ground and lapped
- Incl. Dakks test certificate
- High quality plastic tube



Art No.	Nominal Diameter × pitch	Type: GO/NO
5109-02-4	M2x0.35	GO and NOGO
5109-022-4	M2.2x0.35	GO and NOGO
5109-025-4	M2.5x0.35	GO and NOGO
5109-03-4	M3x0.35	GO and NOGO
5109-035-4	M3.5x0.35	GO and NOGO
5109-04-4	M4x0.35	GO and NOGO
5109-045-4	M4.5x0.35	GO and NOGO
5109-05-4	M5x0.35	GO and NOGO
5109-055-4	M5.5x0.35	GO and NOGO
5109-06-4	M6x0.35	GO and NOGO
5109-065-4	M6.5x0.35	GO and NOGO
5109-07-4	M7x0.35	GO and NOGO
5109-075-4	M7.5x0.35	GO and NOGO
5109-08-4	M8x0.35	GO and NOGO
5109-09-4	M9x0.35	GO and NOGO
5109-10-4	M10x0.35	GO and NOGO
5109-04-7	M4x0.5	GO and NOGO
5109-05-7	M5x0.5	GO and NOGO
5109-06-7	M6x0.5	GO and NOGO
5109-07-7	M7x0.5	GO and NOGO
5109-08-7	M8x0.5	GO and NOGO
5109-09-7	M9x0.5	GO and NOGO
5109-10-7	M10x0.5	GO and NOGO
5109-12-7	M12x0.5	GO and NOGO
5109-05-10	M5x0.75	GO and NOGO
5109-06-10	M6x0.75	GO and NOGO
5109-07-10	M7x0.75	GO and NOGO
5109-08-10	M8x0.75	GO and NOGO
5109-09-10	M9x0.75	GO and NOGO
5109-10-10	M10x0.75	GO and NOGO
5109-11-10	M11x0.75	GO and NOGO
5109-12-10	M12x0.75	GO and NOGO
5109-17-10	M17x0.75	GO and NOGO
5109-08-12	M8x1	GO and NOGO
5109-09-12	M9x1	GO and NOGO
5109-10-12	M10x1	GO and NOGO
5109-11-12	M11x1	GO and NOGO
5109-12-12	M12x1	GO and NOGO
5109-13-12	M13x1	GO and NOGO
5109-14-12	M14x1	GO and NOGO
5109-15-12	M15x1	GO and NOGO
5109-16-12	M16x1	GO and NOGO
5109-17-12	M17x1	GO and NOGO
5109-18-12	M18x1	GO and NOGO
5109-20-12	M20x1	GO and NOGO
5109-21-12	M21x1	GO and NOGO
5109-22-12	M22x1	GO and NOGO
5109-23-12	M23x1	GO and NOGO
5109-24-12	M24x1	GO and NOGO
5109-25-12	M25x1	GO and NOGO
5109-26-12	M26x1	GO and NOGO

Art No.	Nominal Diameter × pitch	GO and NOGO
5109-27-12	M27x1	GO and NOGO
5109-28-12	M28x1	GO and NOGO
5109-30-12	M30x1	GO and NOGO
5109-32-12	M32x1	GO and NOGO
5109-33-12	M33x1	GO and NOGO
5109-34-12	M34x1	GO and NOGO
5109-35-12	M35x1	GO and NOGO
5109-36-12	M36x1	GO and NOGO
5109-37-12	M37x1	GO and NOGO
5109-38-12	M38x1	GO and NOGO
5109-39-12	M39x1	GO and NOGO
5109-40-12	M40x1	GO and NOGO
5109-42-12	M42x1	GO and NOGO
5109-45-12	M45x1	GO and NOGO
5109-48-12	M48x1	GO and NOGO
5109-50-12	M50x1	GO and NOGO
5109-52-12	M52x1	GO and NOGO
5109-55-12	M55x1	GO and NOGO
5109-56-12	M56x1	GO and NOGO
5109-58-12	M58x1	GO and NOGO
5109-60-12	M60x1	GO and NOGO
5109-62-12	M62x1	GO and NOGO
5109-64-12	M64x1	GO and NOGO
5109-65-12	M65x1	GO and NOGO
5109-68-12	M68x1	GO and NOGO
5109-70-12	M70x1	GO and NOGO
5109-72-12	M72x1	GO and NOGO
5109-75-12	M75x1	GO and NOGO
5109-78-12	M78x1	GO and NOGO
5109-80-12	M80x1	GO and NOGO
5109-10-13	M10x1.25	GO and NOGO
5109-12-13	M12x1.25	GO and NOGO
5109-14-13	M14x1.25	GO and NOGO
5109-16-13	M16x1.25	GO and NOGO
5109-10-14	M10x1.5	GO and NOGO
5109-12-14	M12x1.5	GO and NOGO
5109-14-14	M14x1.5	GO and NOGO
5109-16-14	M16x1.5	GO and NOGO
5109-17-14	M17x1.5	GO and NOGO
5109-18-14	M18x1.5	GO and NOGO
5109-20-14	M20x1.5	GO and NOGO
5109-22-14	M22x1.5	GO and NOGO
5109-24-14	M24x1.5	GO and NOGO
5109-25-14	M25x1.5	GO and NOGO
5109-26-14	M26x1.5	GO and NOGO
5109-27-14	M27x1.5	GO and NOGO
5109-28-14	M28x1.5	GO and NOGO
5109-30-14	M30x1.5	GO and NOGO
5109-32-14	M32x1.5	GO and NOGO
5109-33-14	M33x1.5	GO and NOGO
5109-34-14	M34x1.5	GO and NOGO

Art No.	Nominal Diameter ×pitch	GO and NOGO
5109-35-14	M35x1.5	GO and NOGO
5109-36-14	M36x1.5	GO and NOGO
5109-37-14	M37x1.5	GO and NOGO
5109-38-14	M38x1.5	GO and NOGO
5109-39-14	M39x1.5	GO and NOGO
5109-40-14	M40x1.5	GO and NOGO
5109-42-14	M42x1.5	GO and NOGO
5109-43-14	M43x1.5	GO and NOGO
5109-45-14	M45x1.5	GO and NOGO
5109-48-14	M48x1.5	GO and NOGO
5109-50-14	M50x1.5	GO and NOGO
5109-52-14	M52x1.5	GO and NOGO
5109-54-14	M54x1.5	GO and NOGO
5109-55-14	M55x1.5	GO and NOGO
5109-56-14	M56x1.5	GO and NOGO
5109-58-14	M58x1.5	GO and NOGO
5109-60-14	M60x1.5	GO and NOGO
5109-62-14	M62x1.5	GO and NOGO
5109-64-14	M64x1.5	GO and NOGO
5109-65-14	M65x1.5	GO and NOGO
5109-68-14	M68x1.5	GO and NOGO
5109-69-14	M69x1.5	GO and NOGO
5109-70-14	M70x1.5	GO and NOGO
5109-72-14	M72x1.5	GO and NOGO
5109-75-14	M75x1.5	GO and NOGO
5109-76-14	M76x1.5	GO and NOGO
5109-80-14	M80x1.5	GO and NOGO
5109-82-14	M82x1.5	GO and NOGO
5109-85-14	M85x1.5	GO and NOGO
5109-88-14	M88x1.5	GO and NOGO
5109-90-14	M90x1.5	GO and NOGO
5109-92-14	M92x1.5	GO and NOGO
5109-95-14	M95x1.5	GO and NOGO
5109-98-14	M98x1.5	GO and NOGO
5109-100-14	M100x1.5	GO and NOGO
5109-18-16	M18x2	GO and NOGO
5109-20-16	M20x2	GO and NOGO
5109-22-16	M22x2	GO and NOGO
5109-24-16	M24x2	GO and NOGO
5109-26-16	M26x2	GO and NOGO
5109-27-16	M27x2	GO and NOGO
5109-28-16	M28x2	GO and NOGO
5109-30-16	M30x2	GO and NOGO
5109-33-16	M33x2	GO and NOGO
5109-34-16	M34x2	GO and NOGO
5109-35-16	M35x2	GO and NOGO
5109-36-16	M36x2	GO and NOGO
5109-38-16	M38x2	GO and NOGO
5109-39-16	M39x2	GO and NOGO
5109-40-16	M40x2	GO and NOGO
5109-42-16	M42x2	GO and NOGO
5109-45-16	M45x2	GO and NOGO
5109-48-16	M48x2	GO and NOGO
5109-50-16	M50x2	GO and NOGO
5109-52-16	M52x2	GO and NOGO

Art No.	Nominal Diameter ×pitch	GO and NOGO
5109-55-16	M55x2	GO and NOGO
5109-56-16	M56x2	GO and NOGO
5109-58-16	M58x2	GO and NOGO
5109-60-16	M60x2	GO and NOGO
5109-62-16	M62x2	GO and NOGO
5109-64-16	M64x2	GO and NOGO
5109-65-16	M65x2	GO and NOGO
5109-68-16	M68x2	GO and NOGO
5109-70-16	M70x2	GO and NOGO
5109-72-16	M72x2	GO and NOGO
5109-75-16	M75x2	GO and NOGO
5109-76-16	M76x2	GO and NOGO
5109-78-16	M78x2	GO and NOGO
5109-80-16	M80x2	GO and NOGO
5109-82-16	M82x2	GO and NOGO
5109-85-16	M85x2	GO and NOGO
5109-88-16	M88x2	GO and NOGO
5109-90-16	M90x2	GO and NOGO
5109-92-16	M92x2	GO and NOGO
5109-95-16	M95x2	GO and NOGO
5109-98-16	M98x2	GO and NOGO
5109-100-16	M100x2	GO and NOGO
5109-24-18	M24x3	GO and NOGO
5109-30-18	M30x3	GO and NOGO
5109-33-18	M33x3	GO and NOGO
5109-36-18	M36x3	GO and NOGO
5109-39-18	M39x3	GO and NOGO
5109-40-18	M40x3	GO and NOGO
5109-42-18	M42x3	GO and NOGO
5109-45-18	M45x3	GO and NOGO
5109-48-18	M48x3	GO and NOGO
5109-50-18	M50x3	GO and NOGO
5109-52-18	M52x3	GO and NOGO
5109-55-18	M55x3	GO and NOGO
5109-56-18	M56x3	GO and NOGO
5109-58-18	M58x3	GO and NOGO
5109-60-18	M60x3	GO and NOGO
5109-62-18	M62x3	GO and NOGO
5109-65-18	M65x3	GO and NOGO
5109-68-18	M68x3	GO and NOGO
5109-70-18	M70x3	GO and NOGO
5109-72-18	M72x3	GO and NOGO
5109-75-18	M75x3	GO and NOGO
5109-76-18	M76x3	GO and NOGO
5109-78-18	M78x3	GO and NOGO
5109-80-18	M80x3	GO and NOGO
5109-82-18	M82x3	GO and NOGO
5109-85-18	M85x3	GO and NOGO
5109-88-18	M88x3	GO and NOGO
5109-90-18	M90x3	GO and NOGO
5109-92-18	M92x3	GO and NOGO
5109-95-18	M95x3	GO and NOGO
5109-98-18	M98x3	GO and NOGO
5109-100-18	M100x3	GO and NOGO

Thread Ring Gauges - Metric Thread,Go End

Description

- According to DIN13 6g standard
- Right hand thread
- Finely ground and lapped
- Incl. Dakks test certificate
- High quality plastic tube



Art No.	Nominal Diameter× pitch	Type: GO/NO
5110-02-5G	M2x0.4	GO
5110-025-6G	M2.5x0.45	GO
5110-03-7G	M3x0.5	GO
5110-035-8G	M3.5x0.6	GO
5110-04-9G	M4x0.7	GO
5110-05-11G	M5x0.8	GO
5110-06-12G	M6x1	GO
5110-07-12G	M7x1	GO
5110-08-13G	M8x1.25	GO
5110-09-13G	M9x1.25	GO
5110-10-14G	M10x1.5	GO
5110-12-15G	M12x1.75	GO
5110-14-16G	M14x2	GO
5110-16-16G	M16x2	GO
5110-18-17G	M18x2.5	GO
5110-20-17G	M20x2.5	GO
5110-22-17G	M22x2.5	GO
5110-24-18G	M24x3	GO
5110-27-18G	M27x3	GO
5110-30-19G	M30x3.5	GO
5110-33-19G	M33x3.5	GO
5110-36-20G	M36x4	GO
5110-39-20G	M39x4	GO

Art No.	Nominal Diameter× pitch	Type: GO/NO
5110-42-21G	M42x4.5	GO
5110-45-21G	M45x4.5	GO
5110-48-22G	M48x5	GO
5110-52-22G	M52x5	GO
5110-56-23G	M56x5.5	GO
5110-60-23G	M60x5.5	GO
5110-62-23G	M62x5.5	GO
5110-64-24G	M64x6	GO
5110-65-24G	M65x6	GO
5110-68-24G	M68x6	GO
5110-70-24G	M70x6	GO
5110-72-24G	M72x6	GO
5110-75-24G	M75x6	GO
5110-76-24G	M76x6	GO
5110-78-24G	M78x6	GO
5110-80-24G	M80x6	GO
5110-82-24G	M82x6	GO
5110-85-24G	M85x6	GO
5110-88-24G	M88x6	GO
5110-90-24G	M90x6	GO
5110-92-24G	M92x6	GO
5110-95-24G	M95x6	GO
5110-98-24G	M98x6	GO
5110-100-24G	M100x6	GO

Thread Ring Gauges - Metric Thread, No-Go End

Description

- According to DIN13 6g standard
- Right hand thread
- Finely ground and lapped
- Incl. Dakks test certificate
- High quality plastic tube



Art No.	Nominal Diameter x pitch	Type: GO/NO
5110-02-5N	M2x0.4	NO-GO
5110-025-6N	M2.5x0.45	NO-GO
5110-03-7N	M3x0.5	NO-GO
5110-035-8N	M3.5x0.6	NO-GO
5110-04-9N	M4x0.7	NO-GO
5110-05-11N	M5x0.8	NO-GO
5110-06-12N	M6x1	NO-GO
5110-07-12N	M7x1	NO-GO
5110-08-13N	M8x1.25	NO-GO
5110-09-13N	M9x1.25	NO-GO
5110-10-14N	M10x1.5	NO-GO
5110-12-15N	M12x1.75	NO-GO
5110-14-16N	M14x2	NO-GO
5110-16-16N	M16x2	NO-GO
5110-18-17N	M18x2.5	NO-GO
5110-20-17N	M20x2.5	NO-GO
5110-22-17N	M22x2.5	NO-GO
5110-24-18N	M24x3	NO-GO
5110-27-18N	M27x3	NO-GO
5110-30-19N	M30x3.5	NO-GO
5110-33-19N	M33x3.5	NO-GO
5110-36-20N	M36x4	NO-GO
5110-39-20N	M39x4	NO-GO

Art No.	Nominal Diameter x pitch	Type: GO/NO
5110-42-21N	M42x4.5	NO-GO
5110-45-21N	M45x4.5	NO-GO
5110-52-22N	M52x5	NO-GO
5110-56-23N	M56x5.5	NO-GO
5110-60-23N	M60x5.5	NO-GO
5110-62-23N	M62x5.5	NO-GO
5110-64-24N	M64x6	NO-GO
5110-65-24N	M65x6	NO-GO
5110-68-24N	M68x6	NO-GO
5110-70-24N	M70x6	NO-GO
5110-72-24N	M72x6	NO-GO
5110-75-24N	M75x6	NO-GO
5110-76-24N	M76x6	NO-GO
5110-78-24N	M78x6	NO-GO
5110-80-24N	M80x6	NO-GO
5110-82-24N	M82x6	NO-GO
5110-85-24N	M85x6	NO-GO
5110-88-24N	M88x6	NO-GO
5110-90-24N	M90x6	NO-GO
5110-92-24N	M92x6	NO-GO
5110-95-24N	M95x6	NO-GO
5110-98-24N	M98x6	NO-GO
5110-100-24N	M100x6	NO-GO

Pipe Thread Ring Gauge



Description

- According to ISO228 standard
- Made of special steel, findly ground and lapped
- Deliver with test certificate
- High quality plastic box

Art.No.	Size	Barcode
5110-GP1828-G	G1/8-28 GO	6976367673499
5110-GP1419-G	G1/4- 19 GO	6976367673505
5110-GP3819-G	G3/8- 19 GO	6976367673512
5110-GP1214-G	G1/2- 14 GO	6976367673529
5110-GP3414-G	G3/4- 14 GO	6976367673536
5110-GP7814-G	G7/8- 14 GO	6976367673543
5110-GP1011-G	G1- 11 GO	6976367673550
5110-GP11411-G	G1 1/4- 11 GO	6976367673567
5110-GP11211-G	G1 1/2- 11 GO	69763671673574
5110-GP2011-G	G2- 11 GO	6976367673581

Art.No.	Size	Barcode
5110-GP1828-N	G1/8-28 NOGO	6976367671402
5110-GP1419-N	G1/4- 19 NOGO	6976367671419
5110-GP3819-N	G3/8- 19 NOGO	6976367671426
5110-GP1214-N	G1/2- 14 NOGO	6976367671433
5110-GP3414-N	G3/4- 14 NOGO	6976367671440
5110-GP7814-N	G7/8- 14 NOGO	6976367673444
5110-GP1011-N	G1- 11 NOGO	6976367673451
5110-GP11411-N	G1 1/4- 11 NOGO	6976367673468
5110-GP11211-N	G1 1/2- 11 NOGO	6976367673475
5110-GP2011-N	G2- 11 NOGO	6976367673482

NPT Ring Gauge



Description

- According to ANSI/ASME B1.20.1 standard
- Conical degree 1: 16
- Made of special steel, findly ground and lapped
- High quality plastic box

Art.No.	Size	Barcode
5110-NPT18	1/8-27 NPT STEP	6972727957681
5110-NPT14	1/4-18 NPT STEP	6972727957698
5110-NPT38	3/8-18 NPT STEP	6976367671389
5110-NPT12	1/2-14 NPT STEP	6976367671396
5110-NPT34	3/4-14 NPT STEP	6972727957704
5110-NPT1	1" NPT STEP	6972727957711

Carbide Ring Gauge



Description

- Made of carbide steel, special heat treatment, hardness up to HRA91
- Strong corrosion resistance, high-strength wear-resistant
- High precision, antirust
- Surface finish: Ra0.025a
- Accuracy error: ±0.001mm
- High quality plastic box
- Special note: Other specifications can be customized, such as: 3.02, 3.05, 3.19…….

Art.No.	Size
5108-001CA	1.00
5108-002CA	2.00
5108-003CA	3.00
5108-004CA	4.00
5108-005CA	5.00
5108-006CA	6.00
5108-007CA	7.00
5108-008CA	8.00
5108-009CA	9.00
5108-010CA	10.00
5108-011CA	11.00
5108-012CA	12.00
5108-013CA	13.00
5108-014CA	14.00
5108-015CA	15.00
5108-016CA	16.00
5108-017CA	17.00
5108-018CA	18.00
5108-019CA	19.00
5108-020CA	20.00
5108-021CA	21.00

Art.No.	Size
5108-022CA	22.00
5108-023CA	23.00
5108-024CA	24.00
5108-025CA	25.00
5108-026CA	26.00
5108-027CA	27.00
5108-028CA	28.00
5108-029CA	29.00
5108-030CA	30.00
5108-031CA	31.00
5108-032CA	32.00
5108-033CA	33.00
5108-034CA	34.00
5108-035CA	35.00
5108-036CA	36.00
5108-037CA	37.00
5108-038CA	38.00
5108-039CA	39.00
5108-040CA	40.00
5108-041CA	41.00
5108-042CA	42.00

Art.No.	Size
5108-043CA	43.00
5108-044CA	44.00
5108-045CA	45.00
5108-046CA	46.00
5108-047CA	47.00
5108-048CA	48.00
5108-049CA	49.00
5108-050CA	50.00
5108-051CA	51.00
5108-052CA	52.00
5108-053CA	53.00
5108-054CA	54.00
5108-055CA	55.00
5108-056CA	56.00
5108-057CA	57.00
5108-058CA	58.00
5108-059CA	59.00
5108-060CA	60.00

Thread Ring Gauge - Metric Fine Thread, Go End

Description

- According to DIN13 6g standard
- Right hand thread
- Finely ground and lapped
- Incl. Dakks test certificate
- High quality plastic tube



Art No.	Nominal Diameter x pitch	Type: GO/NO
5110-02-4G	M2x0.35	GO
5110-022-4G	M2.2x0.35	GO
5110-025-4G	M2.5x0.35	GO
5110-03-4G	M3x0.35	GO
5110-035-4G	M3.5x0.35	GO
5110-04-4G	M4x0.35	GO
5110-045-4G	M4.5x0.35	GO
5110-05-4G	M5x0.35	GO
5110-06-4G	M6x0.35	GO
5110-04-7G	M4x0.5	GO
5110-05-7G	M5x0.5	GO
5110-06-7G	M6x0.5	GO
5110-08-7G	M8x0.5	GO
5110-10-7G	M10x0.5	GO
5110-12-7G	M12x0.5	GO
5110-06-10G	M6x0.75	GO
5110-07-10G	M7x0.75	GO
5110-08-10G	M8x0.75	GO
5110-09-10G	M9x0.75	GO
5110-10-10G	M10x0.75	GO
5110-11-10G	M11x0.75	GO
5110-12-10G	M12x0.75	GO
5110-13-10G	M13x0.75	GO
5110-15-10G	M15x0.75	GO
5110-18-10G	M18x0.75	GO
5110-22-10G	M22x0.75	GO
5110-24-10G	M24x0.75	GO
5110-08-12G	M8x1	GO
5110-09-12G	M9x1	GO
5110-10-12G	M10x1	GO
5110-11-12G	M11x1	GO
5110-12-12G	M12x1	GO
5110-13-12G	M13x1	GO
5110-14-12G	M14x1	GO
5110-15-12G	M15x1	GO
5110-16-12G	M16x1	GO
5110-17-12G	M17x1	GO
5110-18-12G	M18x1	GO
5110-20-12G	M20x1	GO
5110-21-12G	M21x1	GO
5110-22-12G	M22x1	GO
5110-23-12G	M23x1	GO
5110-24-12G	M24x1	GO
5110-25-12G	M25x1	GO
5110-26-12G	M26x1	GO
5110-27-12G	M27x1	GO
5110-28-12G	M28x1	GO
5110-30-12G	M30x1	GO
5110-32-12G	M32x1	GO
5110-33-12G	M33x1	GO
5110-34-12G	M34x1	GO

Art No.	Nominal Diameter x pitch	Type: GO/NO
5110-35-12G	M35x1	GO
5110-36-12G	M36x1	GO
5110-38-12G	M38x1	GO
5110-39-12G	M39x1	GO
5110-40-12G	M40x1	GO
5110-42-12G	M42x1	GO
5110-45-12G	M45x1	GO
5110-48-12G	M48x1	GO
5110-50-12G	M50x1	GO
5110-52-12G	M52x1	GO
5110-55-12G	M55x1	GO
5110-58-12G	M58x1	GO
5110-60-12G	M60x1	GO
5110-62-12G	M62x1	GO
5110-64-12G	M64x1	GO
5110-65-12G	M65x1	GO
5110-68-12G	M68x1	GO
5110-70-12G	M70x1	GO
5110-72-12G	M72x1	GO
5110-75-12G	M75x1	GO
5110-76-12G	M76x1	GO
5110-78-12G	M78x1	GO
5110-80-12G	M80x1	GO
5110-10-13G	M10x1.25	GO
5110-12-13G	M12x1.25	GO
5110-14-13G	M14x1.25	GO
5110-10-14G	M10x1.5	GO
5110-12-14G	M12x1.5	GO
5110-13-14G	M13x1.5	GO
5110-14-14G	M14x1.5	GO
5110-15-14G	M15x1.5	GO
5110-16-14G	M16x1.5	GO
5110-17-14G	M17x1.5	GO
5110-18-14G	M18x1.5	GO
5110-20-14G	M20x1.5	GO
5110-22-14G	M22x1.5	GO
5110-24-14G	M24x1.5	GO
5110-25-14G	M25x1.5	GO
5110-26-14G	M26x1.5	GO
5110-27-14G	M27x1.5	GO
5110-28-14G	M28x1.5	GO
5110-29-14G	M29x1.5	GO
5110-30-14G	M30x1.5	GO
5110-32-14G	M32x1.5	GO
5110-33-14G	M33x1.5	GO
5110-34-14G	M34x1.5	GO
5110-35-14G	M35x1.5	GO
5110-36-14G	M36x1.5	GO
5110-38-14G	M38x1.5	GO
5110-39-14G	M39x1.5	GO
5110-40-14G	M40x1.5	GO

Art No.	Nominal Diameter x pitch	Type: GO/NO
5110-41-14G	M41x1.5	GO
5110-42-14G	M42x1.5	GO
5110-45-14G	M45x1.5	GO
5110-46-14G	M46x1.5	GO
5110-48-14G	M48x1.5	GO
5110-50-14G	M50x1.5	GO
5110-52-14G	M52x1.5	GO
5110-55-14G	M55x1.5	GO
5110-56-14G	M56x1.5	GO
5110-58-14G	M58x1.5	GO
5110-60-14G	M60x1.5	GO
5110-62-14G	M62x1.5	GO
5110-64-14G	M64x1.5	GO
5110-65-14G	M65x1.5	GO
5110-68-14G	M68x1.5	GO
5110-70-14G	M70x1.5	GO
5110-72-14G	M72x1.5	GO
5110-75-14G	M75x1.5	GO
5110-76-14G	M76x1.5	GO
5110-78-14G	M78x1.5	GO
5110-80-14G	M80x1.5	GO
5110-82-14G	M82x1.5	GO
5110-85-14G	M85x1.5	GO
5110-88-14G	M88x1.5	GO
5110-90-14G	M90x1.5	GO
5110-92-14G	M92x1.5	GO
5110-95-14G	M95x1.5	GO
5110-98-14G	M98x1.5	GO
5110-100-14G	M100x1.5	GO
5110-18-16G	M18x2	GO
5110-20-16G	M20x2	GO
5110-22-16G	M22x2	GO
5110-24-16G	M24x2	GO
5110-25-16G	M25x2	GO
5110-26-16G	M26x2	GO
5110-27-16G	M27x2	GO
5110-28-16G	M28x2	GO
5110-30-16G	M30x2	GO
5110-32-16G	M32x2	GO
5110-33-16G	M33x2	GO
5110-34-16G	M34x2	GO
5110-35-16G	M35x2	GO
5110-36-16G	M36x2	GO
5110-38-16G	M38x2	GO
5110-39-16G	M39x2	GO
5110-40-16G	M40x2	GO
5110-42-16G	M42x2	GO
5110-44-16G	M44x2	GO
5110-45-16G	M45x2	GO
5110-46-16G	M46x2	GO
5110-48-16G	M48x2	GO

Art No.	Nominal Diameter x pitch	Type: GO/NO
5110-50-16G	M50x2	GO
5110-52-16G	M52x2	GO
5110-55-16G	M55x2	GO
5110-56-16G	M56x2	GO
5110-58-16G	M58x2	GO
5110-60-16G	M60x2	GO
5110-62-16G	M62x2	GO
5110-64-16G	M64x2	GO
5110-65-16G	M65x2	GO
5110-68-16G	M68x2	GO
5110-70-16G	M70x2	GO
5110-72-16G	M72x2	GO
5110-75-16G	M75x2	GO
5110-78-16G	M78x2	GO
5110-80-16G	M80x2	GO
5110-82-16G	M82x2	GO
5110-85-16G	M85x2	GO
5110-88-16G	M88x2	GO
5110-90-16G	M90x2	GO
5110-92-16G	M92x2	GO
5110-95-16G	M95x2	GO
5110-98-16G	M98x2	GO
5110-100-16G	M100x2	GO
5110-30-18G	M30x3	GO
5110-33-18G	M33x3	GO
5110-36-18G	M36x3	GO
5110-39-18G	M39x3	GO
5110-40-18G	M40x3	GO
5110-42-18G	M42x3	GO
5110-45-18G	M45x3	GO
5110-48-18G	M48x3	GO
5110-50-18G	M50x3	GO
5110-52-18G	M52x3	GO
5110-55-18G	M55x3	GO
5110-58-18G	M58x3	GO
5110-60-18G	M60x3	GO
5110-62-18G	M62x3	GO
5110-65-18G	M65x3	GO
5110-68-18G	M68x3	GO
5110-70-18G	M70x3	GO
5110-72-18G	M72x3	GO
5110-75-18G	M75x3	GO
5110-78-18G	M78x3	GO
5110-80-18G	M80x3	GO
5110-82-18G	M82x3	GO
5110-85-18G	M85x3	GO
5110-88-18G	M88x3	GO
5110-90-18G	M90x3	GO
5110-92-18G	M92x3	GO
5110-95-18G	M95x3	GO
5110-98-18G	M98x3	GO
5110-100-18G	M100x3	GO

Thread Ring Gauge - Metric Fine Thread, No-Go End

Description

- According to DIN13 6g standard
- Right hand thread
- Finely ground and lapped
- Incl. Dakks test certificate
- High quality plastic tube



Art No.	NominalDiameter x pitch	Type: GO/NO
5110-02-4N	M2x0.35	NO-GO
5110-022-4N	M2.2x0.35	NO-GO
5110-025-4N	M2.5x0.35	NO-GO
5110-03-4N	M3x0.35	NO-GO
5110-035-4N	M3.5x0.35	NO-GO
5110-04-4N	M4x0.35	NO-GO
5110-045-4N	M4.5x0.35	NO-GO
5110-05-4N	M5x0.35	NO-GO
5110-06-4N	M6x0.35	NO-GO
5110-04-7N	M4x0.5	NO-GO
5110-05-7N	M5x0.5	NO-GO
5110-06-7N	M6x0.5	NO-GO
5110-08-7N	M8x0.5	NO-GO
5110-10-7N	M10x0.5	NO-GO
5110-12-7N	M12x0.5	NO-GO
5110-06-10N	M6x0.75	NO-GO
5110-07-10N	M7x0.75	NO-GO
5110-08-10N	M8x0.75	NO-GO
5110-09-10N	M9x0.75	NO-GO
5110-10-10N	M10x0.75	NO-GO
5110-11-10N	M11x0.75	NO-GO
5110-12-10N	M12x0.75	NO-GO
5110-13-10N	M13x0.75	NO-GO
5110-15-10N	M15x0.75	NO-GO
5110-18-10N	M18x0.75	NO-GO
5110-22-10N	M22x0.75	NO-GO
5110-24-10N	M24x0.75	NO-GO
5110-08-12N	M8x1	NO-GO
5110-09-12N	M9x1	NO-GO
5110-10-12N	M10x1	NO-GO
5110-11-12N	M11x1	NO-GO
5110-12-12N	M12x1	NO-GO
5110-13-12N	M13x1	NO-GO
5110-14-12N	M14x1	NO-GO
5110-15-12N	M15x1	NO-GO
5110-16-12N	M16x1	NO-GO
5110-17-12N	M17x1	NO-GO
5110-18-12N	M18x1	NO-GO
5110-20-12N	M20x1	NO-GO
5110-21-12N	M21x1	NO-GO
5110-22-12N	M22x1	NO-GO
5110-23-12N	M23x1	NO-GO
5110-24-12N	M24x1	NO-GO
5110-25-12N	M25x1	NO-GO
5110-26-12N	M26x1	NO-GO
5110-27-12N	M27x1	NO-GO
5110-28-12N	M28x1	NO-GO
5110-30-12N	M30x1	NO-GO
5110-32-12N	M32x1	NO-GO
5110-33-12N	M33x1	NO-GO
5110-34-12N	M34x1	NO-GO

Art No.	NominalDiameter x pitch	Type: GO/NO
5110-35-12N	M35x1	NO-GO
5110-36-12N	M36x1	NO-GO
5110-38-12N	M38x1	NO-GO
5110-39-12N	M39x1	NO-GO
5110-40-12N	M40x1	NO-GO
5110-42-12N	M42x1	NO-GO
5110-45-12N	M45x1	NO-GO
5110-48-12N	M48x1	NO-GO
5110-50-12N	M50x1	NO-GO
5110-52-12N	M52x1	NO-GO
5110-55-12N	M55x1	NO-GO
5110-58-12N	M58x1	NO-GO
5110-60-12N	M60x1	NO-GO
5110-62-12N	M62x1	NO-GO
5110-64-12N	M64x1	NO-GO
5110-65-12N	M65x1	NO-GO
5110-68-12N	M68x1	NO-GO
5110-70-12N	M70x1	NO-GO
5110-72-12N	M72x1	NO-GO
5110-75-12N	M75x1	NO-GO
5110-76-12N	M76x1	NO-GO
5110-78-12N	M78x1	NO-GO
5110-80-12N	M80x1	NO-GO
5110-10-13N	M10x1.25	NO-GO
5110-12-13N	M12x1.25	NO-GO
5110-14-13N	M14x1.25	NO-GO
5110-10-14N	M10x1.5	NO-GO
5110-12-14N	M12x1.5	NO-GO
5110-13-14N	M13x1.5	NO-GO
5110-14-14N	M14x1.5	NO-GO
5110-15-14N	M15x1.5	NO-GO
5110-16-14N	M16x1.5	NO-GO
5110-17-14N	M17x1.5	NO-GO
5110-18-14N	M18x1.5	NO-GO
5110-20-14N	M20x1.5	NO-GO
5110-22-14N	M22x1.5	NO-GO
5110-24-14N	M24x1.5	NO-GO
5110-25-14N	M25x1.5	NO-GO
5110-26-14N	M26x1.5	NO-GO
5110-27-14N	M27x1.5	NO-GO
5110-28-14N	M28x1.5	NO-GO
5110-29-14N	M29x1.5	NO-GO
5110-30-14N	M30x1.5	NO-GO
5110-32-14N	M32x1.5	NO-GO
5110-33-14N	M33x1.5	NO-GO
5110-34-14N	M34x1.5	NO-GO
5110-35-14N	M35x1.5	NO-GO
5110-36-14N	M36x1.5	NO-GO
5110-38-14N	M38x1.5	NO-GO
5110-39-14N	M39x1.5	NO-GO
5110-40-14N	M40x1.5	NO-GO

Art No.	NominalDiameter x pitch	Type: GO/NO
5110-41-14N	M41x1.5	NO-GO
5110-42-14N	M42x1.5	NO-GO
5110-45-14N	M45x1.5	NO-GO
5110-46-14N	M46x1.5	NO-GO
5110-48-14N	M48x1.5	NO-GO
5110-50-14N	M50x1.5	NO-GO
5110-52-14N	M52x1.5	NO-GO
5110-55-14N	M55x1.5	NO-GO
5110-56-14N	M56x1.5	NO-GO
5110-58-14N	M58x1.5	NO-GO
5110-60-14N	M60x1.5	NO-GO
5110-62-14N	M62x1.5	NO-GO
5110-64-14N	M64x1.5	NO-GO
5110-65-14N	M65x1.5	NO-GO
5110-68-14N	M68x1.5	NO-GO
5110-70-14N	M70x1.5	NO-GO
5110-72-14N	M72x1.5	NO-GO
5110-75-14N	M75x1.5	NO-GO
5110-76-14N	M76x1.5	NO-GO
5110-78-14N	M78x1.5	NO-GO
5110-80-14N	M80x1.5	NO-GO
5110-82-14N	M82x1.5	NO-GO
5110-85-14N	M85x1.5	NO-GO
5110-88-14N	M88x1.5	NO-GO
5110-90-14N	M90x1.5	NO-GO
5110-92-14N	M92x1.5	NO-GO
5110-95-14N	M95x1.5	NO-GO
5110-98-14N	M98x1.5	NO-GO
5110-100-14N	M100x1.5	NO-GO
5110-18-16N	M18x2	NO-GO
5110-20-16N	M20x2	NO-GO
5110-22-16N	M22x2	NO-GO
5110-24-16N	M24x2	NO-GO
5110-25-16N	M25x2	NO-GO
5110-26-16N	M26x2	NO-GO
5110-27-16N	M27x2	NO-GO
5110-28-16N	M28x2	NO-GO
5110-30-16N	M30x2	NO-GO
5110-32-16N	M32x2	NO-GO
5110-33-16N	M33x2	NO-GO
5110-34-16N	M34x2	NO-GO
5110-35-16N	M35x2	NO-GO
5110-36-16N	M36x2	NO-GO
5110-38-16N	M38x2	NO-GO
5110-39-16N	M39x2	NO-GO
5110-40-16N	M40x2	NO-GO
5110-42-16N	M42x2	NO-GO
5110-44-16N	M44x2	NO-GO
5110-45-16N	M45x2	NO-GO
5110-46-16N	M46x2	NO-GO
5110-48-16N	M48x2	NO-GO

Art No.	NominalDiameter x pitch	Type: GO/NO
5110-50-16N	M50x2	NO-GO
5110-52-16N	M52x2	NO-GO
5110-55-16N	M55x2	NO-GO
5110-56-16N	M56x2	NO-GO
5110-58-16N	M58x2	NO-GO
5110-60-16N	M60x2	NO-GO
5110-62-16N	M62x2	NO-GO
5110-64-16N	M64x2	NO-GO
5110-65-16N	M65x2	NO-GO
5110-68-16N	M68x2	NO-GO
5110-70-16N	M70x2	NO-GO
5110-72-16N	M72x2	NO-GO
5110-75-16N	M75x2	NO-GO
5110-78-16N	M78x2	NO-GO
5110-80-16N	M80x2	NO-GO
5110-82-16N	M82x2	NO-GO
5110-85-16N	M85x2	NO-GO
5110-88-16N	M88x2	NO-GO
5110-90-16N	M90x2	NO-GO
5110-92-16N	M92x2	NO-GO
5110-95-16N	M95x2	NO-GO
5110-98-16N	M98x2	NO-GO
5110-100-16N	M100x2	NO-GO
5110-30-18N	M30x3	NO-GO
5110-33-18N	M33x3	NO-GO
5110-36-18N	M36x3	NO-GO
5110-39-18N	M39x3	NO-GO
5110-40-18N	M40x3	NO-GO
5110-42-18N	M42x3	NO-GO
5110-45-18N	M45x3	NO-GO
5110-48-18N	M48x3	NO-GO
5110-50-18N	M50x3	NO-GO
5110-52-18N	M52x3	NO-GO
5110-55-18N	M55x3	NO-GO
5110-58-18N	M58x3	NO-GO
5110-60-18N	M60x3	NO-GO
5110-62-18N	M62x3	NO-GO
5110-65-18N	M65x3	NO-GO
5110-68-18N	M68x3	NO-GO
5110-70-18N	M70x3	NO-GO
5110-72-18N	M72x3	NO-GO
5110-75-18N	M75x3	NO-GO
5110-78-18N	M78x3	NO-GO
5110-80-18N	M80x3	NO-GO
5110-82-18N	M82x3	NO-GO
5110-85-18N	M85x3	NO-GO
5110-88-18N	M88x3	NO-GO
5110-90-18N	M90x3	NO-GO
5110-92-18N	M92x3	NO-GO
5110-95-18N	M95x3	NO-GO
5110-98-18N	M98x3	NO-GO
5110-100-18N	M100x3	NO-GO

Precision Feeler Gauge

Description

- Blades made from hardened spring steel
- Conical shaped blades in 100mm length
- Nickel plated handle with lock nut
- Packed in plastic bag



Art No.	Blades	Range	Content	Barcode
260-2485	8	0.05-0.50mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50mm	6971570712485
260-2492	13	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00mm	6971570712492
260-2508	20	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00mm	6971570712508

Precision Feeler Gauge

Description

- Blades made from brass anti-magnetic
- Conical shaped blades in 100mm length
- With lock nut
- Packed in plastic bag



Art No.	Blades	Range	Content	Barcode
260-2454	8	0.05-0.50mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50mm	6971570712454
260-2461	13	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00mm	6971570712461
260-2478	20	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00mm	6971570712478

Long Type Feeler Gauge

NEW

Description

- Blade made from carbon steel
- Accuracy accroding T2
- Cylindrical shaped blades in 13mm width
- With hanging ring
- Packed in plastic bag



Art.No.	Length	Blades	Range	Content	Barcode
5120-201	150 mm	20	0.05-1.00 mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00mm	6972727956936
5120-202	200 mm				6972727956943
5120-203	300 mm				6972727956950
5120-204	400 mm				6976367673758
5120-205	500 mm				6976367673765

Abs Feeler Gauge

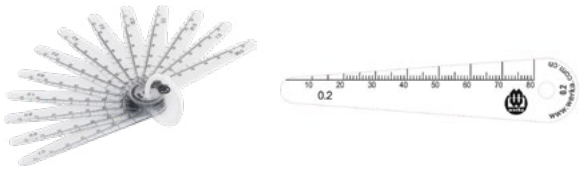


Description

- Enterprise Standard Manufacturing
- ABS material, three combinations of white, green, and yellow

Art.No.	Blades	Range	Content	Barcode
5131-013A	13	0.25-2.00 mm (0.010-0.078")	2.00mm(0.078"),1.00mm(0.039"),0.50mm(0.020"),0.50mm(0.020"), 0.50mm(0.020"),0.25mm(0.010"),0.25mm(0.010"),1.00mm(0.039"), 2.00mm(0.078"),1.00mm(0.039"),2.00mm(0.078"),1.00mm(0.039"), 2.00mm(0.078")	6976367672515

Plastic Feeler Gauge



Description

- Enterprise Standard Manufacturing
- PVC material

Art.No.	Blades	Range	Content	Barcode
5131-013P	13	0.05-1.00 mm	0.05,0.10,0.15,0.20,0.25,0.30,0.40,0.50,0.60,0.70, 0.80,0.90,1.00mm	6976367672522
5131-020P	20	0.05-1.00 mm	0.05,0.10,0.15,0.20,0.25,0.30,0.35,0.40,0.45,0.50,0.55, 0.60,0.65,0.70,0.75,0.80,0.85,0.90,0.95,1.00mm	6976367672539

Radius Gauge



Description

- Concave and convex shaped blades
- Made of mild steel
- Packed in plastic bag

Art No.	Blades	Range	Content	Barcode
260-2584	17	R1-7mm	1/ 1.25 / 1.5 /1.75 /2.0 /2.25 /2.5 /2.75 /3.0 /3.5 /4.0 /4.5 /5 /5.5 /6.0 /6.5 /7.0	6971570712584
260-2591	16	R7.5-15mm	7.5 /8 /8.5 /9 /9.5 /10 /10.5 /11 /11.5 /12 /12.5 /13 /13.5 /14 /14.5 /15	6971570712591
260-2607	15	R15.5-25mm	15.5 /16 /16.5 /17 /17.5 /18 /18.5 /19 /19.5 /20 /21 /22 /23 /24 /25	6971570712607

Screw Pitch Gauge



Description

- For checking the pitch of screw thread
- Blades made from hardened spring steel
- Packed in plastic bag

Art No.	Blades	Range	Content	Screw type	Barcode
260-2539	6	8-28TPI	8,10,11,14,19,28TPI	GAZ 55°	6971570712539
260-2522	24	0.25-6.00mm	0.25, 0.30, 0.35, 0.4, 0.45, 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1.0, 1.25, 1.5, 1.75, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0mm	metr. 60°	6971570712522
260-2546	28	4-62TPI	4, 4-1/2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32, 36, 40, 48, 60, 62TPI	Whitw.55°	6971570712546
260-2553	30	4-42TPI	4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42TPI	Whitw.55°	6971570712553
260-2560	52	0.25-6.00 / 4-62TPI	(260-2522) + (260-2546)	metr. 60°+ Whitw.55°	6971570712560
260-2577	58	0.25-6.00 / 4-62/ 8-28TPI	(260-2522) + (260-2546)+(260-2539)	metr. 60°+ Whitw.55°+GAZ 55°	6971570712577
260-2515	12	2-20mm	2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 16, 20mm	30°ACME	6971570712515

Thickness Gauge Foil



Made in Germany

Description

- Made in Germany , According to DIN2275/T3
- Carbon Steel,Tape width12.7mm
- Tape length 5m,Size > 0.08mm engraved on tapes
- Square plastic case

Art No.	Size	Accuracy error	Barcode
5129-0005	0.005mm	-	6972727957797
5129-001	0.01mm	-	6972727957803
5129-002	0.02mm	-	6972727958404
5129-003	0.03mm	0.003mm	6972727958411
5129-004	0.04mm	0.003mm	6972727958428
5129-005	0.05mm	0.003mm	6972727958435
5129-006	0.06mm	0.003mm	6972727958442
5129-007	0.07mm	0.004mm	6972727958459
5129-008	0.08mm	0.004mm	6972727958466
5129-009	0.09mm	0.004mm	6972727958473
5129-010	0.10mm	0.004mm	6972727957179
5129-012	0.12mm	0.004mm	6972727957810
5129-015	0.15mm	0.005mm	6972727958480
5129-018	0.18mm	0.005mm	6972727958497
5129-020	0.20mm	0.006mm	6972727958503
5129-025	0.25mm	0.006mm	6972727958510
5129-030	0.30mm	0.007mm	6972727958527
5129-035	0.35mm	0.007mm	6972727958534
5129-040	0.40mm	0.008mm	6972727958541
5129-045	0.45mm	0.008mm	6972727958558
5129-050	0.50mm	0.009mm	6972727958565
5129-055	0.55mm	0.009mm	6972727958572
5129-060	0.60mm	0.009mm	6972727958589
5129-065	0.65mm	0.009mm	6972727958596
5129-070	0.70mm	0.012mm	6972727958602
5129-075	0.75mm	0.012mm	6972727958619
5129-080	0.80mm	0.013mm	6972727958626
5129-085	0.85mm	0.013mm	6972727958633
5129-090	0.90mm	0.014mm	6972727958640
5129-095	0.95mm	0.014mm	6972727958657
5129-100	1.00mm	0.016mm	6972727957827

Feeler Gauge



Description

- For automotive and engine industry, used shims to accurately set spacing
- Made of spring steel
- Length 5m, width 12.7mm, Plastic box

Art No.	Thickness	Accuracy error	Barcode
5122-001	0.01mm	0.004mm	6972727951597
5122-002	0.02mm	0.004mm	6972727951603
5122-003	0.03mm	0.004mm	6972727951610
5122-004	0.04mm	0.004mm	6972727951627
5122-005	0.05mm	0.004mm	6972727951634
5122-006	0.06mm	0.004mm	6972727951641
5122-007	0.07mm	0.005mm	6974804579595
5122-008	0.08mm	0.005mm	6972727951658
5122-009	0.09mm	0.005mm	6974804579601
5122-010	0.10mm	0.005mm	6972727951665
5122-012	0.12mm	0.005mm	6972727951672
5122-013	0.13mm	0.005mm	6972727951689
5122-014	0.14mm	0.006mm	6972727951696
5122-015	0.15mm	0.006mm	6972727951702
5122-016	0.16mm	0.007mm	6972727951719
5122-018	0.18mm	0.007mm	6972727951726
5122-020	0.20mm	0.008mm	6972727951733
5122-022	0.22mm	0.008mm	6972727951740
5122-025	0.25mm	0.009mm	6972727951757
5122-030	0.30mm	0.009mm	6972727951764
5122-035	0.35mm	0.011mm	6972727951771
5122-040	0.40mm	0.012mm	6972727951788
5122-050	0.50mm	0.014mm	6972727951795
5122-060	0.60mm	0.014mm	6972727951801

Holder For Feeler Gauge Tape

Made in Germany

Description

- Made in Germany
- Holder for feeler gauge tape
- Size:125x17mm



Art No.	Barcode
WP-5129-10	6972727958664

Gauge Block Accessory Set

Description

- Base
- 50mm Holder,measuring rang 50mm
- 100mm Holder,measuring rang 100mm
- 200mm Holder,measuring rang 200mm
- Precision knife straight adge
- Center point
- Flat jaw,Radius jaw,Knife edge jaw
- Scriber



Art.No	Set	Barcode
5127-17S	17pcs/set	6974804579090

8pcs Gauge Set

Description

- Drill point gauge, angles 120°,118°, 90°, 60°, 55°
- Welding gauge 0-20x0.1mm
- Radius gauge 17pcs/set, 1.0-7.0mm
- Radius gauge 16pcs/set, 7.5-15.0mm
- Radius gauge 15pcs/set, 15.5-25.0mm
- Screw pitch gauge, metric thread 24pcs/set, 0.25-6.00mm
- Screw pitch gauge, Whiworth thread 28pcs/set, 4-62TPI
- Feeler gauge,20pcs/set,length 100mm,0.05-1.00mm
- Packed in woodden box

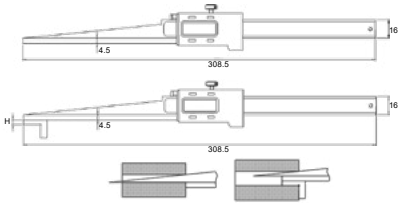


Art.No	Set	Barcode
5127-8S	8pcs/set	6974804579106

Digital Feeler Gauge

NEW





Description

- Used for quickly measuring the width of gaps
- Made of stainless steel
- Three buttons: ON/OFF, ZERO, mm/inch
- CR2032

Art.No.	Range	Reading	Accuracy Error	H	Barcode
2601-10D	0.2-10 mm	0.01 mm	±0.05 mm	-	6976367673772
2601-20D	10-20 mm	0.01 mm	±0.05 mm	10	6976367673789
2601-30D	20-30 mm	0.01 mm	±0.05 mm	20	6976367673796

Taper Gauge

Description

- For quick measurement of gap width
- Made of stainless steel



Art No.	Range	Reading	Accuracy error	Barcode
2601-06A	0.4-6mm	0.05mm	±0.04mm	6972727950545
2601-10A	0.5-10mm	0.05mm	±0.07mm	6972727950552
2601-15A	1-15mm	0.1mm	±0.08mm	6972727950569

Taper Cone Cylinder Gauge

Description

- Made of special steel, hardened and fine ground
- Knurled handle(black oxide), made of aluminium
- Matt chrome finish



Art No.	Range	Reading	Barcode
2601-06	1-6.5mm	0.1mm	6972727950576
2601-15	3-15mm	0.1mm	6972727950583
2601-30	15-30mm	0.1mm	6972727950590
2601-45	30-45mm	0.1mm	6972727950606

Taper Gauge

Description

- For quick measurement of gap width,slot width,hole diameter…
- Made of stainless steel
- Front: metric graduation,
  Back: inch graduation



Art No.	Range	Reading	Accuracy error	Barcode
2601-15B	1-15mm	0.1mm	±0.1mm	6972727950699
2601-30B	15-30mm	0.1mm	±0.1mm	6972727950705
2601-45B	30-45mm	0.1mm	±0.1mm	6972727950712
2601-60B	45-60mm	0.1mm	±0.1mm	6972727950729

Small Taper Bore Gauge

NEW

Description

- For fast measurement of smaller bore diameter
- With protective cover
- Packed in plastic box



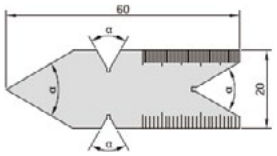
Art.No.	Range	Reading	Accuracy error	Barcode
2601-05	0.1-5 mm	0.01 mm	±0.03 mm	6976367672546

Center Gauge

Description

- Suitable for the angle measurement of cutting tools and thread pitch
- Made of stainless steel,With angle and scale marking
- Metric 60°,Whitworth 55°





Art No.	Angle	Scale	Remarks	Standard	Barcode
5123-060	60°	0.5mm/1mm	Metric 60°	Enterprise	6972727958152
5123-055	55°	0.5mm/1mm	Whitworth 55°	Enterprise	6972727958169

Angle Gauge Set

Description

- Suitable for angles comparison
- Leather sheath,Made of steel
- 8pcs/set



Art. No.	Range	Size	Accuracy	Standard	Barcode
5123-S18	5°-90°	5°/10°/15°/20°/25°/30°/35°/40°/45°/50°/55°/60°/65°/70°/75°/80°/85°/90°	10'	Enterprise	6974804571711

Digital Welding Gauge

Description

- Made of stainless steel
- Suitable to inspect flat welded seams and corners
- For angle 60°, 70°, 80°, 90°
- ON/OFF, mm/inch conversion, ZERO setting at any position

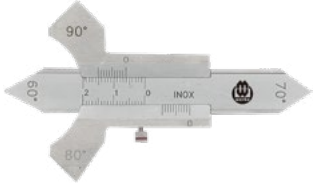


Art No.	Range	Reading	Accuracy error	Barcode
269-120	0-20mm	0.01mm	±0.1mm	6972727950804

Welding Gauge

Description

- Made of stainless steel
- Suitable to inspect flat welded seams and corners
- For angle 60°, 70°, 80°, 90°
- Satin chromed scale



Art No.	Range	Reading	Accuracy error	Barcode
269-020	0-20mm	0.1mm	±0.3mm	6972727950798

Fillet Welding Gauge

Description

- Made of stainless steel
- Suitable to inspect concave and convex weld size

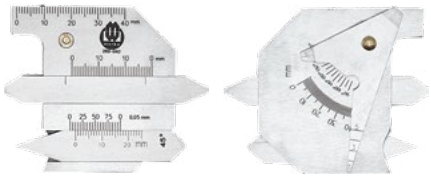


Art No.	Range	Reading	Barcode
269-025	3.2-25.4mm/ 1/8"-1"	3.2mm(1/8"), 4.8mm(3/16"), 6.4mm(1/4"), 7.9mm(5/16"), 9.5mm(3/8"), 11.1mm(7/16"), 12.7mm(1/2"), 15.9mm(5/8"), 19.1mm(3/4"), 22.2mm(7/8"), 25.4mm(1")	6972727950675

Welding Gauge

Description

- Made of stainless steel
- Suitable to inspect flat welded seams and corners



Art No.	Range	Reading	Barcode
269-040	0-40mm	1mm	6972727950651

Welding Gauge

Description

- Made of stainless steel
- Suitable to inspect flat welded seams and corners



Art No.	Range	Reading	Barcode
269-060	0-60mm	1mm	6972727950668

Pipe Welding Gauge

Description

- Made of stainless steel
- Suitable to inspect height of flat welded seams. Such as bevel on end preparation,pipe wall thickness,internal misalignment, fit-up gap, crown height, fillet weld length and height,distance between two marking lines of socket weld



Art No.	Barcode
269-01	6972727950682

MARKING GAUGE

MARKING GAUGE

•

MARKING CALIPER

•

BEAM TRAMMEL

•

SURFACE GAUGE

•

DIVIDERS

•

SCRIBER

•

•

•



Marking Gauge

Description

- Flat type, hardened edge
- With locking screw
- Satin chrome plated
- Packed in cardbox



MADE OF CARBON STEEL

Art No.	Size	Reading	Barcode
250-1600	0-200mm	0.1mm	6971570711600
250-1617	0-250mm	0.1mm	6971570711617
250-1624	0-300mm	0.1mm	6971570711624

MADE OF STAINLESS STEEL

Art No.	Size	Reading	Barcode
250-1631	0-200mm	0.1mm	6971570711631
250-1648	0-250mm	0.1mm	6971570711648
250-1655	0-300mm	0.1mm	6971570711655

Digital Marking Gauge

Description

- Length marking and measuring
- Angle marking ang measuring
- With locking screw
- Aluminum beam,black anodized surface
- Packed in cardbox



Art No.	Range	Reading For Length	Reading For Angle	Barcode
250-1747	0-200mm/0-8"	0.01mm	0.05°	6971570711747
250-1754	0-250mm/0-10"	0.01mm	0.05°	6971570711754
250-1761	0-300mm/0-12"	0.01mm	0.05°	6971570711761

Marking Caliper

Description

- Made of stainless steel
- Satin chromed reading parts
- With locking screw, guide roll
- Carbide scriber
- Supplied with one spare carbide scriber
- Packed in soft pouch



Art No.	Size	Reading	Barcode
250-1211	0-200mm/0-8"	0.1mm/1/128"	6971570711211
250-1228	0-400mm/0-16"	0.1mm/1/128"	6971570711228

Art No.	Barcode	
WP-251235	6971570711235	Replaceable scriber for Marking caliper

Beam Trammel

Description

- Satin chromed
- Hardened stainless steel beam
- Hardened steel interchangeable scribers
- Packed in wooden box



Art No.	Size	Reading	Barcode
250-1242	0-300mm	0.1mm	6971570711242
250-1259	0-500mm	0.1mm	6971570711259

Art No.	Barcode	
WP-251266	6971570711266	Replaceable scriber for Beam trammel

Marking Caliper

Description

- Made of stainless steel
- With locking screw
- Hardened tips
- Packed wooden box



Art No.	Size	Reading	Length Of Jaw	Barcode
250-1709	0-150mm	0.1mm	40	6971570711709
250-1716	0-200mm	0.1mm	40	6971570711716
250-1723	0-250mm	0.1mm	40	6971570711723
250-1730	0-300mm	0.1mm	40	6971570711730

Marking Caliper

Description

- Made of stainless steel
- T-shaped beam
- With fine adjustment
- Marking edge hardened
- Packed in wooden box



Art No.	Size	Reading	Length Of Base	Barcode
250-1662	0-160mm	0.05mm	135	6971570711662
250-1679	0-250mm	0.05mm	135	6971570711679
250-1686	0-300mm	0.05mm	160	6971570711686
250-1693	0-400mm	0.05mm	160	6971570711693

Center Marking Gauge

Description

- Made of stainless steel
- Satin chrome plated
- Easy to find the center point of a circle
- For marking vertical lines against straight side on a plate
- For marking 45º acute angle
- Have the function of workshop squares DIN875/2
- With graduation on the beam
- Packed in cardbox



Art No.	Size	For Shafts Up To Dia ø	Barcode
250-1556	100x70mm	90mm	6971570711556
250-1563	150x130mm	190mm	6971570711563
250-1570	200x150mm	220mm	6971570711570
250-1587	250x160mm	230mm	6971570711587
250-1594	300x180mm	280mm	6971570711594

Surface Gauge



Description

- Round and chromed beam ø10mm
- Scriber ø4mm
- Fine ground steel prismatic base 84x65x27mm
- With fine adjustment
- Supplied with two beams
- Packed in cardbox

Art No.	Size	Barcode
254-1778	175mm	6971570711778
254-1785	300mm	6971570711785
254-1792	455mm	6971570711792

Dividers



Description

- Made of forged steel, rivet hinge
- hardened points
- with setting wing
- packed in plastic bag

Art No.	Size	Barcode
257-2003	150mm	6971570712003
257-2010	200mm	6971570712010
257-2027	300mm	6971570712027

Inside Caliper



Description

- Made of forged steel, rivet hinge
- Fine polished
- Packed in plastic bag

Art No.	Size	Barcode
257-1853	150mm	6971570711853
257-1860	200mm	6971570711860
257-1877	300mm	6971570711877

Outside Caliper



Description

- Made of forged steel, rivet hinge
- Fine polished
- Packed in plastic bag

Art No.	Size	Barcode
257-1884	150mm	6971570711884
257-1891	200mm	6971570711891
257-1907	300mm	6971570711907

Spring Dividers

Description

- Made of forged steel
- Hardened points
- Quick acting set screw
- Packed in plastic bag

Art No.	Size	Barcode	Remark
257-1914	150mm	6971570711914	
257-1921	200mm	6971570711921	
257-1938	300mm	6971570711938	
257-9618	400 mm	6974804579618	New
257-9620	500 mm	6976367671891	New
257-9625	600 mm	6974804579625	New
257-9632	1000 mm	6974804579632	New



Spring Inside Calipers

Description

- Made of forged steel
- Hardened points
- Quick acting set screw
- Packed in plastic bag

Art No.	Size	Barcode	Remark
257-1945	150mm	6971570711945	
257-1952	200mm	6971570711952	
257-1969	300mm	6971570711969	
257-9649	400 mm	6974804579649	New
257-5059	500 mm	6976367675059	New
257-9656	600 mm	6974804579656	New
257-9663	1000 mm	6974804579663	New



Spring Outside Calipers

Description

- Made of forged steel
- Hardened points
- Quick acting set screw
- Packed in plastic bag

Art No.	Size	Barcode	Remark
257-1976	150mm	6971570711976	
257-1983	200mm	6971570711983	
257-1990	300mm	6971570711990	
257-9670	400 mm	6974804579670	New
257-5066	500 mm	6976367675066	New
257-9687	600 mm	6974804579687	New
257-9694	1000 mm	6974804579694	New



Scriber

Description



- Hardened steel,Blackening surface
- Knurled handle,Packed in plastic bag

Art No.	Size	Note	Barcode
254-1808	175mm	one straight end	6971570711808
254-1815	250mm	two ends	6971570711815

Scriber

Description



- With knurled grip, zinc-plated
- Needles black finished, screwed in one side bent for 90°, other side straight
- Packed in plastic bag

Art No.	Size	Barcode
254-1822	250mm	6971570711822

Scriber With Carbide Tip

Description



- Carbide points, plastic handle
- Needles chrome-plated
- Packed in plastic bag

Art No.	Size	Barcode
254-1846	160mm	6971570711846

Scriber With Carbide Tip

Description



- Carbide points
- Hexagonal body, nickel plated
- Pocket clip,Packed in plastic bag

Art No.	Size	Barcode
254-1839	150mm	6971570711839



UNIVERSAL TOOL

STAINLESS STEEL RULER

•

POCKET MEASURING TAPE

•

LED FLASHLIGHT

•

UTILITY KNIFE

•

TORQUE WRENCH

•

DOUBLE FUNCTION RATCHET

•

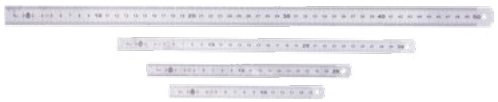
•

•

Stainless Steel Ruler

Description

- Flexible type.According to EC Ⅱ .
- Reading from left to right.Stainless spring steel
- Etched graduation for a clear reading
- Packed in plastic box

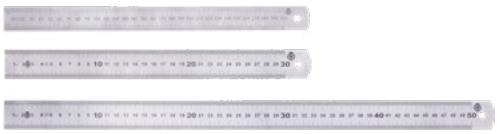


Art No.	Size	Section	Barcode
241-0528	150mm	13x0.5mm	6971570710528
241-0535	200mm	13x0.5mm	6971570710535
241-0542	300mm	13x0.5mm	6971570710542
241-0559	500mm	20x0.5mm	6971570710559
241-0566	1000mm	20x0.5mm	6971570710566

Stainless Steel Ruler

Description

- Semi rigid type.According to EC Ⅱ .
- Reading from left to right.Stainless spring steel
- Etched graduation for a clear reading
- Packed in plastic box



Art No.	Size	Section	Barcode
241-6889	300mm	30x1mm	6971570716889
241-6896	500mm	30x1mm	6971570716896
241-6902	1000mm	30x1mm	6971570716902
241-6926	300mm/12"	25x1mm	6971570716926
241-6933	600mm/24"	25x1mm	6971570716933
241-6940	1000mm/39"	25x1mm	6971570716940

Stainless Steel Ruler

Description

- Flexible type.According to EC Ⅱ .
- Reading from left to right.Stainless spring steel
- Etched graduation for a clear reading
- Packed in plastic box



Art No.	Size	Section	Barcode
241-7367	150mm	13x0.5mm	6971570717367
241-7374	6"	13x0.5mm	6971570717374

Steel Ruler

NEW

Description

- Flexible type.According to EC Ⅱ
- Reading from left to right. Stainless spring steel
- Black oxide surface, laser marking
- With hanging hole



Art.No.	Size	Section	Barcode
6601-15B	15 cm	13x1 mm	6976367671907

Multifunction Pen 6-In-1

NEW

Description

- 6-in-1 multifunctional pen
- Ballpoint pen, Stylus, Ruler, Spirit level, Cross screwdriver, Screwdriver



Art.No.	Size	Color
6518-150B	150 mm	Black
6518-150R	150 mm	Red

Pocket Measuring Tape

Description

- According to EC Ⅱ .
- Ergonomic,robust plastic housing made of ABS
- With belt loop clip
- Nylon coating blade for long life
- Self-locking system; the tape is automatically retracted when the stop button is activated



Art No.	Size	Width Of Tape	Barcode
241-7596	3m	16mm	6971570717596
241-7602	5m	19mm	6971570717602

Utility Knife

Description

- Sturdy zinc alloy body
- 4pcs spare replaceable blades
- Packed in PE plastic bag



Art. No	Size	Barcode
294-7626	168x36x25mm	6971570717626

Utility Knife

NEW

Description

- Utility knife of standard cutter
- High quality ABS handle
- With pen clip
- Blister package



Art.No.	Size	Blade size	Barcode
294-0054	148x20x16 mm	9 mm	6976367670054

Utility Knife

NEW

Description

- Utility knife of heavy duty cutter
- High quality TPR+ABS handle
- With handing hole
- Blister package



Art.No.	Size	Blade size	Barcode
294-0061	184x44x20 mm	18 mm	6976367670061

Led Flashlight

Description

- Metal body, black oxide
- lighting function brightness 100% - 75% - 50% - flicker
- power supply AAAx3
- single black canvas bag packaging
- packed in colourbox



Art. No	Size	Barcode
294-8968	145x40mm	6971570718968

Digital Torque Wrench

Description

- According to DIN EN ISO6789
- Bidirectional use available
- Chromed tube, hardened
- Digital display, easy to read
- With a fine tuning device to adjust the torque precisely
- Unit selection: N.m, Ft-lb, In-lb switchable
- Ergonomically designed handle
- Incl. WERKA workshop's test certificate
- High quality plastic case



Fixed head

Art. No	Metric	Adjustable Min. unit	Shank	Total Length	Barcode
9210-3810	10~100 N.m	0.5 N.m	3/8"	460mm	6972727953218
9210-1220	20~200 N.m	0.5 N.m	1/2"	568mm	6972727953225
9210-1230	30~340 N.m	0.5 N.m	1/2"	650mm	6972727953232

Torque Wrench With A Readable Window

Description

- According to DIN EN ISO6789
- Option: Fixed head and changeable head
- Bidirectional use available
- Chromed tube, hardened,In/mm graduation
- With a fine tuning device to adjust the torque precisely
- A window for easy reading
- Incl. WERKA workshop's test certificate
- High quality plastic case



Fixed head

Art. No	Metric	Adjustable Min. unit	Shank	Total Length	Barcode
9202-1405	5~25 N.m	0.1 N.m	1/4"	323mm	6972727953133
9202-3820	20~100 N.m	0.5 N.m	3/8"	400mm	6972727953140
9202-1240	40~200 N.m	0.5 N.m	1/2"	517mm	6972727953157
9202-1260	60~340 N.m	1 N.m	1/2"	620mm	6972727953164

Changeable head

Art. No	Metric	Adjustable Min. unit	Shank	Total Length	Barcode
9203-1210	10~50 N.m	0.5 N.m	9x12mm	356mm	6972727953171
9203-1220	20~100 N.m	0.5 N.m	9x12mm	356mm	6972727953188
9203-1840	40~200 N.m	0.5 N.m	14x18mm	472mm	6972727953195
9203-1860	60~340 N.m	1 N.m	14x18mm	572mm	6972727953201

Torque Wrench With Ratchet

Description

- According to DIN EN ISO6789
- Option: Fixed head and changeable head
- Bidirectional use available
- With quick release function to switch easily
- Chromed tube, hardened
- In/mm graduation
- With a fine tuning device to adjust the torque precisely
- Ergonomically designed handle
- Incl. WERKA workshop's test certificate
- High quality plastic case



Fixed head

Art. No	Metric	Adjustable Min. unit	Shank	Total Length	Barcode
9200-1405	5~25 N.m	0.1 N.m	1/4"	245mm	6972727953058
9200-3820	20~100 N.m	0.5 N.m	3/8"	410mm	6972727953065
9200-1240	40~200 N.m	1 N.m	1/2"	520mm	6972727953072
9200-1260	60~340 N.m	2 N.m	1/2"	610mm	6972727953089

Changeable head

Art. No	Metric	Adjustable Min. unit	Shank	Total Length	Barcode
9201-1205	5~25 N.m	0.1 N.m	9x12mm	230mm	6972727953096
9201-1220	20~100 N.m	0.5 N.m	9x12mm	370mm	6972727953102
9201-1840	40~200 N.m	1 N.m	14x18mm	487mm	6972727953119
9201-1860	60~340 N.m	2 N.m	14x18mm	577mm	6972727953126

1/2" British Classic Torque Wrench

NEW

Description

- Conform to DIN EN ISO 6789-1: 2017 Type II class A
- Adjustable scale, british classic torque wrench
- Torque wrench type: Click, clockwise only
- Push through square drive
- Accuracy: ±4%
- Quick adjustment for big torque range
- Easy to change direction by sliding the square drive



Art.No.	Range	Adjustable Min. unit	Total Length	Net Weight	Barcode
9204-1225	25-135 Nm	0.5 Nm	604.5 mm	1700 g	6976367674151
9204-1250	50-225 Nm	1 Nm	604.5 mm	1700 g	6976367674168
9204-1270	70-330 Nm	1 Nm	718.0 mm	2200 g	6976367674175

Torque Driver

NEW

Description

- Accroding standard GB/T 15729-2008
- Used for tightening workpieces with torque requirements through threaded fasteners. Various industries such as electrical, light industry, mechanical manufacturing, and scientific research structures
- Preset torque values and have an audible alarm prompt
- Automatic switching in both directions, easy to use in both directions
- Forged aluminum alloy material, sturdy and durable
- With 1/4 "hexagonal socket



Art.No.	Range	Reading	Accuracy Error	Net Weight	Barcode
9216-0106E	0.1-0.6 Nm	0.01 Nm	±5%	0.30Kg	6976367672553

Double Function Ratchet

New unique design,combines standard,and rotation function

1. Standard function
For use in non limited spaces,levering of ratchet turns square.
2. Rotation function
Opening function for handle (turning back the handle) changes ratchet to rotation function.
Turning the handle moves the square; no levering needed.
1) In rotation function the minimal needed turning angle is close to 0 degrees.
2) Because of easy opening and fixing function for the handle. Changing from normal function to rotating function is always possible,without losing the nut or screw. ONE HAND OPERATION.
3) Already opened screws can be turned off easily with the rotation function.
4) The new developed 2 components handle offers sensitive and ergonomic working style.
5) The changing between right / left turning usage will be done by square-section straight-through shank.
6) Overtops DIN and ANSI requirements in standard operation.









3.DRIVES
1/2" – 3/8" – 1/4"



HANDLE FIXED
Normal ratchet function through levering

ROTATION FUNCTION; HANDLE TURNABLE
Ratcheting function by turning the handle (no levering)

DOUBE FUNCTION RATCHET		9220-9644	9220-9651	9220-9668
		6971570719644	6971570719651	6971570719668
Type/Size		1/4"	3/8"	1/2"
Total Length	cm	17.3	23.8	28.7
Heigth of head	mm	12.5	16.3	17.9
Width	mm	27	36	42
Weight	g	190	420	710
Length	cm	8.5	11.3	13.6
Diameter of handle	mm	26	31	38
Material handle		2 component handle PP as body and TPE as soft component		
Material body		CR-V	CR-V	CR-V
Hardness body	HRC	42-45	42-45	42-45
Hardness square	HRC	50 52	50 52	50 52
Number of teeth		60	60	60
Torque in looked function	Nm	78	245	646
Torgue DIN	Nm	62	202	512
Torque over DIN	%	126%	121%	126%
Torque in rotation function	Nm	8	20	25
Lifetime	Power	>50000	>50000	>50000
		30Nm	100Nm	128N



TORQUE WRENCH



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ART NO.INDEX

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112-TE5004	3D Scanner	350000 times/second	1	NEW
112-TE5006	3D Scanner	480000 times/second	1	NEW
112-TE5008	3D Scanner	1360000 times/second	1	NEW
112-TE50-DZ	3D Scanner	350000-1360000 times/second	1	NEW
112-CS10010	3D Scanner	1650000 times/second	2	NEW
112-CS10030	3D Scanner	1650000 times/second	2	NEW
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112-CS10070	3D Scanner	2020000 times/second	2	NEW
112-CS10090	3D Scanner	2020000 times/second	2	NEW
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525-011	Mini Temperature Humidity Meter		151	
525-190	Wood moisture meter		152	NEW
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526-060E	Laser distance meter	0.05-60m	149	NEW
526-080E	Laser distance meter	0.05-80m	149	NEW
526-100E	Laser distance meter	0.05-100m	149	NEW
526-150P	Laser distance meter	0.05-150m	149	NEW
526-200P	Laser distance meter	0.05-200m	149	NEW
526-131	Mini Sound Level Meter		150	
527-201	Mini Tachometer		151	
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542-9439	Coating thickness gauge	0-1250μm	169	
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542-0252	Coating thickness gauge	0-1500μm	170	NEW
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543-1060	Ultrasonic thickness gauge	0.65-600mm	171	NEW
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2105-401	Workshop vernier caliper without upper jaw	0-400x0.05mm/0-16x1/128"/150mm	41	
2105-402	Workshop vernier caliper without upper jaw	0-400x0.05mm/0-16x1/128"/200mm	41	
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2105-602	Workshop vernier caliper without upper jaw	0-600x0.05mm/0-24x1/128"(200mm)	41	
2105-603	Workshop vernier caliper without upper jaw	0-600x0.05mm/0-24x1/128"(300mm)	41	
2105-801	Workshop vernier caliper without upper jaw	0-800x0.05mm/100mm	41	
2105-800	Workshop vernier caliper without upper jaw	0-800x0.05mm/150mm	41	
2105-802	Workshop vernier caliper without upper jaw	0-800x0.05mm/200mm	41	
2105-803	Workshop vernier caliper without upper jaw	0-800x0.05mm/300mm	41	
2105-1002	Workshop vernier caliper without upper jaw	0-1000x0.05mm/0-40x1/128"/200	41	
2105-1003	Workshop vernier caliper without upper jaw	0-1000x0.05mm/0-40x1/128"/300	41	
2105-1004	Workshop vernier caliper without upper jaw	0-1000x0.05mm/0-40x1/128"/500	41	
2105-1501	Workshop vernier caliper without upper jaw	0-1500x0.05mm/0-60x1/128"/150	41	
2105-1502	Workshop vernier caliper without upper jaw	0-1500x0.05mm/0-60x1/128"/200	41	
2105-1503	Workshop vernier caliper without upper jaw	0-1500x0.05mm/0-60x1/128"/300	41	
2105-2002	Workshop vernier caliper without upper jaw	0-2000x0.05mm/0-80x1/128"/200	41	
2105-2003	Workshop vernier caliper without upper jaw	0-2000x0.05mm/0-80x1/128"/300	41	
2105-3003	Workshop vernier caliper without upper jaw	0-3000x0.05mm/0-120x1/128"/300	41	
2105-2301	Workshop vernier caliper without upper jaw	0-300x0.02mm/0.001", Jaw 100mm	41	
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2105-2500	Workshop vernier caliper without upper jaw	0-500x0.02mm/0.001", Jaw 150mm	41	
2105-2601	Workshop vernier caliper without upper jaw	0-600x0.02mm/0.001", Jaw 100mm	41	
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2105-2800	Workshop vernier caliper without upper jaw	0-800x0.02mm/150mm	41	
2105-2803	Workshop vernier caliper without upper jaw	0-800x0.02mm/300mm	41	
2105-2101	Workshop vernier caliper without upper jaw	0-1000x0.02mm/0.001", Jaw 125mm	41	
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2105-2150	Workshop vernier caliper without upper jaw	0-1500x0.02mm/0.001", Jaw 150mm	41	
2105-2202	Workshop vernier caliper without upper jaw	0-2000x0.02mm/0.001", Jaw 200mm	41	
2105-2303	Workshop vernier caliper without upper jaw	0-3000x0.02mm/0.001", Jaw 300mm	41	
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2106-201	Vernier depth gauge	0-200x0.02mm	51	
2106-301	Vernier depth gauge	0-300x0.02mm	51	
2106-161	Vernier depth gauge	0-160x0.05mm	51	NEW
2107-5150C	Vernier depth gauge with hook	0-150x0.05mm	52	NEW
2107-5200C	Vernier depth gauge with hook	0-200x0.05mm	52	NEW
2107-5300C	Vernier depth gauge with hook	0-300x0.05mm	52	NEW
2107-5500C	Vernier depth gauge with hook	0-500x0.05mm	52	NEW
2107-51000C	Vernier depth gauge with hook	0-1000x0.05mm	52	NEW
2107-5150D	Vernier depth gauge with double hook	0-150x0.05mm	52	NEW
2107-5200D	Vernier depth gauge with double hook	0-200x0.05mm	52	NEW
2107-5300D	Vernier depth gauge with double hook	0-300x0.05mm	52	NEW
2107-5500D	Vernier depth gauge with double hook	0-500x0.05mm	52	NEW
2107-51000D	Vernier depth gauge with double hook	0-1000x0.05mm	52	NEW
2108-2150-MN	Mini vernier height gauge	0-150x0.02mm	63	NEW
2108-2200-MN	Mini vernier height gauge	0-200x0.02mm	63	NEW
2110-2150	Precision vernier caliper	0-150x0.02mm	20	
2110-2200	Precision vernier caliper	0-200x0.02mm	20	
2110-2300	Precision vernier caliper	0-300x0.02mm	20	
2110-5150	Precision vernier caliper	0-150x0.05mm	20	
2110-5200	Precision vernier caliper	0-200x0.05mm	20	
2110-5300	Precision vernier caliper	0-300x0.05mm	20	
2111-300G	Light digital caliper,Germany	0-300x0.01mm/90mm	43	
2111-500G	Light digital caliper,Germany	0-500x0.01mm/90mm	43	
2111-800G	Light digital caliper,Germany	0-800x0.01mm/90mm	43	
2111-1000G	Light digital caliper,Germany	0-1000x0.01mm/90mm	43	
2112-1500G	Long-range light digital caliper, Germany	0-1500x0.01mm/150mm	43	
2112-2000G	Long-range light digital caliper, Germany	0-2000x0.01mm/150mm	43	
2112-2500G	Long-range light digital caliper, Germany	0-2500x0.01mm/150mm	43	
2112-3000G	Long-range light digital caliper, Germany	0-3000x0.01mm/150mm	43	
2113-300	Light digital depth gauge	0-300x0.01mm/150/300/450	56	
2113-500	Light digital depth gauge	0-500x0.01mm/150/300/450	56	
2113-800	Light digital depth gauge	0-800x0.01mm/150/300/450	56	
2113-100D	Light digital depth gauge disk contact	0-100x0.01mm/150/350	56	
2113-200D	Light digital depth gauge disk contact	0-200x0.01mm/150/350	56	
2113-300D	Light digital depth gauge disk contact	0-300x0.01mm/150/350	56	
2113-500D	Light digital depth gauge disk contact	0-500x0.01mm/150/350	56	
2113-800D	Light digital depth gauge disk contact	0-800x0.01mm/150/350	56	

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2113-950D	Light digital depth gauge disk contact	0-950x0.01mm/150/350	56	
2116-500-15	IP67 carbon fiber digital caliper	0-500x0.01mm	42	NEW
2116-600-15	IP67 carbon fiber digital caliper	0-600x0.01mm	42	NEW
2117-800-15	IP67 carbon fiber digital caliper	0-800x0.01mm	42	NEW
2117-1000-15	IP67 carbon fiber digital caliper	0-1000x0.01mm	42	NEW
2117-2000-15	IP67 carbon fiber digital caliper	0-2000x0.01mm	42	NEW
2203-150	ABS digital caliper	0-150x0.01mm/0-6x0.0005"	27	
2203-200	ABS digital caliper	0-200x0.01mm/0-8x0.0005"	27	
2203-300	ABS digital caliper	0-300x0.01mm/0-12x0.0005"	27	
2204-150	ABS digital caliper	0-150x0.01mm/0-6x0.0005"	28	
2205-150	Digital caliper	0-150x0.01mm/0-6x0.0005"	28	
2205-200	Digital caliper	0-200x0.01mm/0-8x0.0005"	28	
2205-300	Digital caliper	0-300x0.01mm/0-12x0.0005"	28	
2209-501	IP66 Water-proof workshop digital caliper	0-500x0.01mm/100mm	45	
2209-601	IP66 Water-proof workshop digital caliper	0-600x0.01mm/100mm	45	
2209-600	IP66 Water-proof workshop digital caliper	0-600x0.01mm/150mm	45	
2210-501	IP66 Water-proof workshop digital caliper	0-500x0.01mm/100mm	46	
2210-601	IP66 Water-proof workshop digital caliper	0-600x0.01mm/100mm	46	
2210-600	IP66 Water-proof workshop digital caliper	0-600x0.01mm/150mm	46	
2210-801	IP66 Water-proof workshop digital caliper	0-800x0.01mm/100mm	46	
2210-800	IP66 Water-proof workshop digital caliper	0-800x0.01mm/150mm	46	
2210-802	IP66 Water-proof workshop digital caliper	0-800x0.01mm/200mm	46	
2210-803	IP66 Water-proof workshop digital caliper	0-800x0.01mm/300mm	46	
2212-501	Workshop digital caliper	0-500x0.01mm/100mm	44	
2212-601	Workshop digital caliper	0-600x0.01mm/100mm	44	
2212-600	Workshop digital caliper	0-600x0.01mm/150mm	44	
2213-801	Workshop digital caliper	0-800x0.01mm / 100mm (Jaw)	44	
2213-800	Workshop digital caliper	0-800x0.01mm / 150mm (Jaw)	44	
2213-1500	Workshop digital caliper	0-1500x0.01mm/0-60x0.0005"/200mm	44	
2213-2000	Workshop digital caliper	0-2000x0.01mm/0-80x0.0005"/200mm	44	
2213-300-15	Workshop digital caliper	0-300x0.01mm/150	44	NEW
2213-300-20	Workshop digital caliper	0-300x0.01mm/200	44	NEW
2213-500-20	Workshop digital caliper	0-500x0.01mm/200	44	NEW
2213-500-25	Workshop digital caliper	0-500x0.01mm/250	44	NEW
2213-500-30	Workshop digital caliper	0-500x0.01mm/300	44	NEW
2213-600-30	Workshop digital caliper	0-600x0.01mm/300	44	NEW
2213-800-20	Workshop digital caliper	0-800x0.01mm/200	44	NEW
2213-800-30	Workshop digital caliper	0-800x0.01mm/300	44	NEW
2213-1000-20	Workshop digital caliper	0-1000x0.01mm/200	44	NEW
2213-1000-30	Workshop digital caliper	0-1000x0.01mm/300	44	NEW
2213-1500-30	Workshop digital caliper	0-1500x0.01mm/300	44	NEW
2213-2000-30	Workshop digital caliper	0-2000x0.01mm/300	44	NEW
2214-150	Digital caliper for inside grooves	20-150x0.01mm	32	
2214-200	Digital caliper for inside grooves	25-200x0.01mm	32	
2214-300	Digital caliper for inside grooves	30-300x0.01mm	32	
2215-150	Digital caliper for outside grooves	0-150x0.01mm/0-6x0.0005"	32	
2216-150	Digital tube thickness caliper	0-150x0.01mm/0-6x0.0005"	32	
2222-150	ABS digital depth gauge	0-150x0.01mm/0-6x0.0005"	54	
2222-200	ABS digital depth gauge	0-200x0.01mm/0-8x0.0005"	54	
2222-300	ABS digital depth gauge	0-300x0.01mm/0-12x0.0005"	54	
2223-150	ABS digital depth gauge with single hook	0-150x0.01mm/0-6x0.0005"	54	
2223-200	ABS digital depth gauge with single hook	0-200x0.01mm/0-8x0.0005"	54	
2223-300	ABS digital depth gauge with single hook	0-300x0.01mm/0-12x0.0005"	54	
2226-150-MN	MINI digital height gauge	0-150x0.01mm	63	NEW
2226-200-MN	MINI digital height gauge	0-200x0.01mm	63	NEW
2227-300C	Digital height gauge	0-300x0.01mm	63	NEW
2227-600C	Digital height gauge	0-600x0.01mm	63	NEW
2227-1000C	Digital height gauge	0-1000x0.01mm	63	NEW
2227-3000W	Digital height gauge with BT	0-300x0.001mm/0-12x0.00005"	18	
2227-6000W	Digital height gauge with BT	0-600x0.001mm/0-24x0.00005"	18	
2228-300	Height gauge probe Z3	300mm	60	
2228-600	Height gauge probe Z6	600mm	60	
2229-150	Digital caliper	0-150x0.01mm/0-6x0.0005"	26	
2229-200	Digital caliper	0-200x0.01mm/0-8x0.0005"	26	
2229-300	Digital caliper	0-300x0.01mm/0-12x0.0005"	26	
2229-150W	Digital caliper with BT	0-150x0.01mm/0-6x0.0005"	16	
2229-200W	Digital caliper with BT	0-200x0.01mm/0-8x0.0005"	16	
2229-300W	Digital caliper with BT	0-300x0.01mm/0-12x0.0005"	16	
2230-150	IP67 Water-proof digital caliper	0-150x0.001mm/0-6x0.00005"	26	
2230-200	IP67 Water-proof digital caliper	0-200x0.001mm/0-8x0.00005"	26	
2230-300	IP67 Water-proof digital caliper	0-300x0.001mm/0-12x0.00005"	26	
2230-150W	IP67 Water-proof digital caliper with BT	0-150x0.001mm/0-6x0.00005"	16	
2230-200W	IP67 Water-proof digital caliper with BT	0-200x0.001mm/0-8x0.00005"	16	
2230-300W	IP67 Water-proof digital caliper with BT	0-300x0.001mm/0-12x0.00005"	16	
2231-50ST	Precision digital height gauge	0-50x0.001mm	61	
2232-150	Digital caliper with carbide measuring face	0-150x0.01mm/0-6x0.0005"	27	
2232-200	Digital caliper with carbide measuring face	0-200x0.01mm/0-8x0.0005"	27	

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2232-300	Digital caliper with carbide measuring face	0-300x0.01mm/0-12x0.0005"	27	
2234-600	Digital height gauge	0-600x0.01mm	64	
2235-300	Digital caliper with interchangeable porbes	0-300x0.01mm	39	
2235-300B	Digital caliper with interchangeable porbes	0-300x0.01mm	39	
2236-150	Digital caliper	0-150x0.01mm/0-6x0.0005"	28	
2236-200	Digital caliper	0-200x0.01mm/0-8x0.0005"	28	
2236-300	Digital caliper	0-300x0.01mm/0-12x0.0005"	28	
2237-150	Digital inside groove caliper with double jaws	0-150x0.01mm/0-6x0.0005"	31	
2237-200	Digital inside groove caliper with double jaws	0-200x0.01mm/0-8x0.0005"	31	
2237-150P	Digital inside groove caliper with double jaws IP67	0-150x0.01mm/0-6x0.0005"	31	
2237-200P	Digital inside groove caliper with double jaws IP67	0-200x0.01mm/0-8x0.0005"	31	
2238-150	Digital inside groove caliper with double jaws	0-150x0.01mm/0-6x0.0005"	38	
2238-200	Digital inside groove caliper with double jaws	0-200x0.01mm/0-8x0.0005"	38	
2239-100	Mini digiral caliper	0-100x0.01mm/0-4x0.0005"	29	
2239-075A	Mini digiral caliper	0-75x0.01mm/0-3x0.0005"	29	NEW
2239-100A	Mini digiral caliper	0-100x0.01mm/0-4x0.0005"	29	NEW
2240-150	IP67 Water-proof digital caliper	0-150x0.01mm/0-6x0.0005"	24	
2240-200	IP67 Water-proof digital caliper	0-200x0.01mm/0-8x0.0005"	24	
2240-300	IP67 Water-proof digital caliper	0-300x0.01mm/0-12x0.0005"	24	
2240-150D	IP67 Water-proof digital caliper with data output	0-150x0.01mm/0-6x0.0005"	24	
2240-200D	IP67 Water-proof digital caliper with data output	0-200x0.01mm/0-8x0.0005"	24	
2240-300D	IP67 Water-proof digital caliper with data output	0-300x0.01mm/0-12x0.0005"	24	
2241-600W	Digital carbon fibre caliper with BT	0-600x0.01mm/0-24x0.0005"	18	
2241-1000W	Digital carbon fibre caliper with BT	0-1000x0.01mm/0-40x0.0005"	18	
2242-150	Digital caliper with metal housing	0-150x0.01mm/0-6x0.0005"	30	
2242-200	Digital caliper with metal housing	0-200x0.01mm/0-8x0.0005"	30	
2242-300	Digital caliper with metal housing	0-300x0.01mm/0-12x0.0005"	30	
2245-150	IP67 Digital depth gauge	0-150x0.01mm/100	53	NEW
2245-200	IP67 Digital depth gauge	0-200x0.01mm/100	53	NEW
2245-300	IP67 Digital depth gauge	0-300x0.01mm/150	53	NEW
2245-301	IP67 Digital depth gauge	0-300x0.01mm/100	53	NEW
2246-150	Digital caliper with ceramic measuring face	0-150x0.01mm/0-6x0.0005"	29	NEW
2246-200	Digital caliper with ceramic measuring face	0-200x0.01mm/0-8x0.0005"	29	NEW
2246-300	Digital caliper with ceramic measuring face	0-300x0.01mm/0-12x0.0005"	29	NEW
2247-150	Digital depth gauge	0-150x0.01mm/100	53	NEW
2247-200	Digital depth gauge	0-200x0.01mm/100	53	NEW
2247-300	Digital depth gauge	0-300x0.01mm/150	53	NEW
2247-500	Digital depth gauge	0-500x0.01mm/150	53	NEW
2248-150	Digital depth gauge with hook	0-150x0.01mm/100	55	NEW
2248-200	Digital depth gauge with hook	0-200x0.01mm/100	55	NEW
2248-300	Digital depth gauge with hook	0-300x0.01mm/150	55	NEW
2248-500	Digital depth gauge with hook	0-500x0.01mm/150	55	NEW
2248-150A	Digital depth gauge with double hook	0-150x0.01mm/100	55	NEW
2248-200A	Digital depth gauge with double hook	0-200x0.01mm/100	55	NEW
2248-300A	Digital depth gauge with double hook	0-300x0.01mm/150	55	NEW
2248-500A	Digital depth gauge with double hook	0-500x0.01mm/150	55	NEW
2248-80C	Digital depth gauge with pin	0-80x0.01mm/100	55	NEW
2248-150C	Digital depth gauge with pin	0-150x0.01mm/100	55	NEW
2248-200C	Digital depth gauge with pin	0-200x0.01mm/100	55	NEW
2248-300C	Digital depth gauge with pin	0-300x0.01mm/150	55	NEW
2251-150-40A	Digital caliper for inside grooves	20-150x0.01mm	33	NEW
2251-150-60A	Digital caliper for inside grooves	35-150x0.01mm	33	NEW
2251-200-40A	Digital caliper for inside grooves	20-200x0.01mm	33	NEW
2251-200-70A	Digital caliper for inside grooves	40-200x0.01mm	33	NEW
2251-300-60A	Digital caliper for inside grooves	30-300x0.01mm	33	NEW
2251-300-80A	Digital caliper for inside grooves	50-300x0.01mm	33	NEW
2251-150-40B	Digital caliper for inside grooves	8-150x0.01mm	34	NEW
2251-150-60B	Digital caliper for inside grooves	10-150x0.01mm	34	NEW
2251-200-40B	Digital caliper for inside grooves	10-200x0.01mm	34	NEW
2251-200-70B	Digital caliper for inside grooves	19-200x0.01mm	34	NEW
2251-300-50B	Digital caliper for inside grooves	25-300x0.01mm	34	NEW
2251-300-100B	Digital caliper for inside grooves	30-300x0.01mm	34	NEW
2251-150-34C	Digital caliper for inside grooves	20-150x0.01mm	33	NEW
2251-150-44C	Digital caliper for inside grooves	25-150x0.01mm	33	NEW
2251-200-35C	Digital caliper for inside grooves	20-200x0.01mm	33	NEW
2251-200-45C	Digital caliper for inside grooves	25-200x0.01mm	33	NEW
2251-300-43C	Digital caliper for inside grooves	30-300x0.01mm	33	NEW
2251-300-53C	Digital caliper for inside grooves	30-300x0.01mm	33	NEW
2251-150-60D	Digital inside knife-edge caliper	15-150x0.01mm	31	NEW
2251-200-75D	Digital inside knife-edge caliper	17-200x0.01mm	31	NEW
2251-300-90D	Digital inside knife-edge caliper	20-300x0.01mm	31	NEW
2251-150-25E	Digital caliper for inside grooves	0-150x0.01mm	34	NEW
2251-200-30E	Digital caliper for inside grooves	0-200x0.01mm	34	NEW
2252-150	Digital point caliper	0-150x0.01mm/0-6x0.0005"	35	NEW
2252-200	Digital point caliper	0-200x0.01mm/0-8x0.0005"	35	NEW
2252-300	Digital point caliper	0-300x0.01mm/0-12x0.0005"	35	NEW
2253-150	Digital blade caliper	0-150x0.01mm/0-6x0.0005"	35	NEW

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2253-200	Digital blade caliper	0-200x0.01mm/0-8x0.0005"	35	NEW
2253-300	Digital blade caliper	0-300x0.01mm/0-12x0.0005"	35	NEW
2254-150	Digital offset caliper	0-150x0.01mm/0-6x0.0005"	36	NEW
2254-200	Digital offset caliper	0-200x0.01mm/0-8x0.0005"	36	NEW
2254-300	Digital offset caliper	0-300x0.01mm/0-12x0.0005"	36	NEW
2255-150	Digital caliper with large measuring face	0-150x0.01mm/0-6x0.0005"	35	NEW
2255-200	Digital caliper with large measuring face	0-200x0.01mm/0-8x0.0005"	35	NEW
2255-300	Digital caliper with large measuring face	0-300x0.01mm/0-12x0.0005"	35	NEW
2256-150-50	Digital caliper with disc face	0-150x0.01mm	36	NEW
2256-150-100	Digital caliper with disc face	0-150x0.01mm	36	NEW
2256-200-80	Digital caliper with disc face	0-200x0.01mm	36	NEW
2256-300-120	Digital caliper with disc face	0-300x0.01mm	36	NEW
2257-150	Digital arc radius caliper	3-150x0.01mm	36	NEW
2257-200	Digital arc radius caliper	3-200x0.01mm	36	NEW
2258-75	Digital disc brake caliper	0-75x0.01mm	37	NEW
2258-100	Digital disc brake caliper	0-100x0.01mm	37	NEW
2258-150	Digital disc brake caliper	0-150x0.01mm	37	NEW
2259-0615	Digital chamfer gauge	0-6x0.01mm/15°	37	NEW
2259-0620	Digital chamfer gauge	0-6x0.01mm/20°	37	NEW
2259-0630	Digital chamfer gauge	0-6x0.01mm/30°	37	NEW
2259-0645	Digital chamfer gauge	0-6x0.01mm/45°	37	NEW
2259-0660	Digital chamfer gauge	0-6x0.01mm/60°	37	NEW
2260-010	Digital height gauge mini type	0-10x0.01mm	37	NEW
2260-020	Digital height gauge mini type	0-20x0.01mm	37	NEW
2261-150-40A	Digital caliper for outside grooves	0-150x0.01mm	34	NEW
2261-200-40A	Digital caliper for outside grooves	0-200x0.01mm	34	NEW
2261-300-60A	Digital caliper for outside grooves	0-300x0.01mm	34	NEW
2262-150	IP67 Water-proof digital caliper with color screen	0-150x0.01mm/0-6x0.0005"	23	NEW
2262-200	IP67 Water-proof digital caliper with color screen	0-200x0.01mm/0-8x0.0005"	23	NEW
2262-300	IP67 Water-proof digital caliper with color screen	0-300x0.01mm/0-12x0.0005"	23	NEW
2262-150W	IP67 Water-proof digital caliper with color screen	0-150x0.01mm/0-6x0.0005"	23	NEW
2262-200W	IP67 Water-proof digital caliper with color screen	0-200x0.01mm/0-8x0.0005"	23	NEW
2262-300W	IP67 Water-proof digital caliper with color screen	0-300x0.01mm/0-12x0.0005"	23	NEW
2300-150T	Dial caliper	0-150x0.01mm	22	NEW
2300-200T	Dial caliper	0-200x0.01mm	22	NEW
2300-300T	Dial caliper	0-300x0.01mm	22	NEW
2301-150T	Dial caliper	0-150x0.02mm	22	NEW
2301-200T	Dial caliper	0-200x0.02mm	22	NEW
2301-300T	Dial caliper	0-300x0.02mm	22	NEW
2304-150	Dial caliper	0-150x0.02mm	21	
2304-200	Dial caliper	0-200x0.02mm	21	
2304-300	Dial caliper	0-300x0.02mm	21	
2305-150	Dial caliper with metal housing	0-150x0.02mm	23	
2305-200	Dial caliper with metal housing	0-200x0.02mm	23	
2305-300	Dial caliper with metal housing	0-300x0.02mm	23	
2305-1501	Dial caliper with metal housing	0-150x0.01mm	23	NEW
2305-2001	Dial caliper with metal housing	0-200x0.01mm	23	NEW
2305-3001	Dial caliper with metal housing	0-300x0.01mm	23	NEW
2601-06	Taper cone cylinder gauge	1-6.5x0.1mm	231	
2601-15	Taper cone cylinder gauge	3-15x0.1mm	231	
2601-30	Taper cone cylinder gauge	15-30x0.1mm	231	
2601-45	Taper cone cylinder gauge	30-45x0.1mm	231	
2601-06A	Taper gauge	0.4-6x0.05mm	231	
2601-10A	Taper gauge	0.5-10x0.05mm	231	
2601-15A	Taper gauge	1-15x0.1mm	231	
2601-15B	Taper gauge	1-15x0.1mm	231	
2601-30B	Taper gauge	15-30x0.1mm	231	
2601-45B	Taper gauge	30-45x0.1mm	231	
2601-60B	Taper gauge	45-60x0.1mm	231	
2601-10D	Digital feeler gauge	0.2-10x0.01mm	230	NEW
2601-20D	Digital feeler gauge	10-20x0.01mm	230	NEW
2601-30D	Digital feeler gauge	20-30x0.01mm	230	NEW
2601-05	Small taper bore gauge	0.1-5x0.01mm	231	NEW
2701-2A	Measuring tools set	2pcs/set	124	
2701-2B	Measuring tools set	2pcs/set	124	
2701-3A	Measuring tools set	3pcs/set	124	
2701-3B	Measuring tools set	3pcs/set	124	
2701-3C	Measuring tools set	3pcs/set	124	
2701-7A	Measuring tools set	7pcs/set	125	NEW
2701-7B	Measuring tools set	7pcs/set	125	NEW
2701-7C	Measuring tools set	7pcs/set	125	NEW
2701-7D	Measuring tools set	7pcs/set	125	NEW
3100-T3	Outside micrometer set	0-75x0.01mm	67	
3100-T4	Outside micrometer set	0-100x0.01mm	67	
3100-T6	Outside micrometer set	0-150x0.01mm	67	
3101-T3	Outside micrometer set	0-75x0.01mm	67	
3101-T4	Outside micrometer set	0-100x0.01mm	67	

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3107/3110/3111/3112/3114/3115/3119/3120/3121/3122/3123/3124/3127

Art No.	Descrption	Size	Page	NEW 2024
3107-010B	Depth gauge	0-10x0.01mm	57	NEW
3110-75	Inside micrometer(single rod)	50-75x0.01mm	80	
3110-100	Inside micrometer(single rod)	75-100x0.01mm	80	
3110-125	Inside micrometer(single rod)	100-125x0.01mm	80	
3110-150	Inside micrometer(single rod)	125-150x0.01mm	80	
3110-175	Inside micrometer(single rod)	150-175x0.01mm	80	
3110-200	Inside micrometer(single rod)	175-200x0.01mm	80	
3110-225	Inside micrometer(single rod)	200-225x0.01mm	80	
3110-250	Inside micrometer(single rod)	225-250x0.01mm	80	
3110-275	Inside micrometer(single rod)	250-275x0.01mm	80	
3110-300	Inside micrometer(single rod)	275-300x0.01mm	80	
3110-325	Inside micrometer(single rod)	300-325x0.01mm	80	
3110-350	Inside micrometer(single rod)	325-350x0.01mm	80	
3110-375	Inside micrometer(single rod)	350-375x0.01mm	80	
3110-400	Inside micrometer(single rod)	375-400x0.01mm	80	
3110-425	Inside micrometer(single rod)	400-425x0.01mm	80	
3110-450	Inside micrometer(single rod)	425-450x0.01mm	80	
3110-475	Inside micrometer(single rod)	450-475x0.01mm	80	
3110-500	Inside micrometer(single rod)	475-500x0.01mm	80	
3110-063	Internal micrometer set	50-63mm	80	
3110-1501	Internal micrometer set	50-150mm	80	
3110-2501	Internal micrometer set	50-250mm	80	
3110-3001	Internal micrometer set	50-300mm	80	
3110-5001	Internal micrometer set	50-500mm	80	
3110-6001	Internal micrometer set	50-600mm	80	
3110-1000	Internal micrometer set	50-1000mm	80	
3110-1500	Internal micrometer set	50-1500mm	80	
3111-400	Outside micrometer with interchangeable anvils	300-400x0.01mm	69	
3111-500	Outside micrometer with interchangeable anvils	400-500x0.01mm	69	
3111-600	Outside micrometer with interchangeable anvils	500-600x0.01mm	69	
3111-700	Outside micrometer with interchangeable anvils	600-700x0.01mm	69	
3111-800	Outside micrometer with interchangeable anvils	700-800x0.01mm	69	
3111-900	Outside micrometer with interchangeable anvils	800-900x0.01mm	69	
3111-1000	Outside micrometer with interchangeable anvils	900-1000x0.01mm	69	
3112-13	Can edge micrometer	0-13x0.01mm	73	
3112-110	Wire micrometer	0-10x0.01mm	74	
3114-25	Point micrometer	0-25x0.01mm	70	
3114-50	Point micrometer	25-50x0.01mm	70	
3114-75	Point micrometer	50-75x0.01mm	70	
3114-100	Point micrometer	75-100x0.01mm	70	
3115-25	Thread micrometer	0-25x0.01mm	72	
3115-50	Thread micrometer	25-50x0.01mm	72	
3115-75	Thread micrometer	50-75x0.01mm	72	
3115-100	Thread micrometer	75-100x0.01mm	72	
3119-25	Outside micrometer	0-25x0.01mm	67	
3119-50	Outside micrometer	25-50x0.01mm	67	
3119-75	Outside micrometer	50-75x0.01mm	67	
3119-100	Outside micrometer	75-100x0.01mm	67	
3119-125	Outside micrometer	100-125x0.01mm	67	
3119-150	Outside micrometer	125-150x0.01mm	67	
3119-175	Outside micrometer	150-175x0.01mm	67	
3119-200	Outside micrometer	175-200x0.01mm	67	
3120-1525A	Deep arch micrometer	0-25x0.01mm/150mm	72	
3120-1525B	Deep arch micrometer	0-25x0.01mm/150mm	72	
3120-3025B	Deep arch micrometer	0-25x0.01mm/300mm	72	
3120-1525C	Deep arch micrometer	0-25x0.01mm/150mm	72	
3121-400	Outside micrometer with adjustable anvils	300-400x0.01mm	69	
3121-500	Outside micrometer with adjustable anvils	400-500x0.01mm	69	
3121-600	Outside micrometer with adjustable anvils	500-600x0.01mm	69	
3121-700	Outside micrometer with adjustable anvils	600-700x0.01mm	69	
3121-800	Outside micrometer with adjustable anvils	700-800x0.01mm	69	
3121-900	Outside micrometer with adjustable anvils	800-900x0.01mm	69	
3121-1000	Outside micrometer with adjustable anvils	900-1000x0.01mm	69	
3122-025A	Small tip micrometer	0-25x0.01mm	69	
3122-050A	Small tip micrometer	25-50x0.01mm	69	
3122-075A	Small tip micrometer	50-75x0.01mm	69	
3122-100A	Small tip micrometer	75-100x0.01mm	69	
3123-025N	Tube micrometer	0-25x0.01mm	70	
3123-050N	Tube micrometer	25-50x0.01mm	70	
3123-075N	Tube micrometer	50-75x0.01mm	70	
3123-100N	Tube micrometer	75-100x0.01mm	70	
3124-025	Lever micrometer	0-25x0.01mm	73	
3124-050	Lever micrometer	25-50x0.01mm	73	
3124-075	Lever micrometer	50-75x0.01mm	73	
3124-100	Lever micrometer	75-100x0.01mm	73	
3127-006	Micrometer head,flat	0-6.5x0.01mm	74	
3127-006M	Micrometer head,flat with clamp nut	0-6.5x0.01mm	74	

3127/3128/3129/3202/3208/3216/3217/3221/3222
3223/3224/4101/4102/4104/4106/4107/4110/4111/4112/4113/4115/4116

Art No.	Descrption	Size	Page	NEW 2024
3127-013	Micrometer head,flat	0-13x0.01mm	74	
3127-013M	Micrometer head,flat with clamp nut	0-13x0.01mm	74	
3127-025	Micrometer head,flat	0-25x0.01mm	74	
3127-025M	Micrometer head,flat with clamp nut	0-25x0.01mm	74	
3127-025MS	Micrometer head,flat with clamp nut	0-25x0.01mm	74	
3128-01	Micrometer measuring force detector	0-100mm	74	
3129-320	V-Anvil micrometer	5-20x0.01mm	71	NEW
3129-525	V-Anvil micrometer	5-25x0.01mm	71	NEW
3202-25W	Digital micrometer with BT	0-25x0.001mm/0-1x0.00005"	17	
3202-50W	Digital micrometer with BT	25-50x0.001mm/1-2x0.00005"	17	
3202-75W	Digital micrometer with BT	50-75x0.001mm/2-3x0.00005"	17	
3202-100W	Digital micrometer with BT	75-100x0.001mm/3-4x0.00005"	17	
3202-125W	Digital micrometer with BT	100-125x0.001mm/4-5x0.00005"	17	
3202-150W	Digital micrometer with BT	125-150x0.001mm/5-6x0.00005"	17	
3208-150	Digital depth micrometers	0-150x0.001mm/0-6x0.00005"	57	NEW
3208-200	Digital depth micrometers	0-200x0.001mm/0-8x0.00005"	57	NEW
3208-300	Digital depth micrometers	0-300x0.001mm/0-12x0.00005"	57	NEW
3216-1525A	IP65 digital deep arch micrometer	0-25x0.001mm/150mm	73	
3216-1525B	IP65 digital deep arch micrometer	0-25x0.001mm/150mm	73	
3216-3025B	IP65 digital deep arch micrometer	0-25x0.001mm/300mm	73	
3216-1525C	IP65 digital deep arch micrometer	0-25x0.001mm/150mm	73	
3217-25W	Digital lever micrometer with BT	0-25x0.001mm/0-1x0.00005"	17	
3217-50W	Digital lever micrometer with BT	25-50x0.001mm/1-2x0.00005"	17	
3217-75W	Digital lever micrometer with BT	50-75x0.001mm/2-3x0.00005"	17	
3217-100W	Digital lever micrometer with BT	75-100x0.001mm/3-4x0.00005"	17	
3221-025	High precision indicating snap micrometer	0-25x0.001mm	79	NEW
3221-025BT	High precision indicating snap micrometer with BT	0-25x0.001mm	79	NEW
3222-30	Digital inside micrometer	5-30x0.001mm	81	NEW
3222-50	Digital inside micrometer	25-50x0.001mm	81	NEW
3222-75	Digital inside micrometer	50-75x0.001mm	81	NEW
3222-100	Digital inside micrometer	75-100x0.001mm	81	NEW
3222-125	Digital inside micrometer	100-125x0.001mm	81	NEW
3222-150	Digital inside micrometer	125-150x0.001mm	81	NEW
3222-175	Digital inside micrometer	150-175x0.001mm	81	NEW
3222-200	Digital inside micrometer	175-200x0.001mm	81	NEW
3223-25A	Digital tube micrometer	0-25x0.001mm	79	NEW
3223-50A	Digital tube micrometer	25-50x0.001mm	79	NEW
3224-25	Digital gear micrometer	0-25x0.001mm	79	NEW
3224-50	Digital gear micrometer	25-50x0.001mm	79	NEW
3224-75	Digital gear micrometer	50-75x0.001mm	79	NEW
3224-100	Digital gear micrometer	75-100x0.001mm	79	NEW
4101-15E	Dial indicator,Economic type	0-10x0.01mm	102	
4102-100	Dial indicator	0-100x0.01mm	103	NEW
4104-28	Dial test indicator	0-0.8x0.01mm	106	
4106-S03	Bore gauge set with dial indicator	18-35/35-50/50-160x0.01mm	87	
4106-C18	Bore gauge with ceramic tips	10-18x0.01mm	85	NEW
4106-C35	Bore gauge with ceramic tips	18-35x0.01mm	85	NEW
4106-C50	Bore gauge with ceramic tips	35-50x0.01mm	85	NEW
4106-C160	Bore gauge with ceramic tips	50-160x0.01mm	85	NEW
4106-C250	Bore gauge with ceramic tips	160-250x0.01mm	85	NEW
4106-C450	Bore gauge with ceramic tips	250-450x0.01mm	85	NEW
4107-051	High precision digital comparator	0-5x0.0001mm	94	
4107-051W	High precision digital comparator with BT	0-5x0.0001mm	94	
4107-052	High precision digital comparator	0-5x0.0002mm	94	
4107-052W	High precision digital comparator with BT	0-5x0.0002mm	94	
4107-003	Centering indicator	0-3x0.01mm	140	
4110-10	Precision dial indicator	0-10x0.01mm	100	
4110-10A	Precision dial indicator	0-10x0.01mm	100	
4111-008	Single-lap dial indicator	0-0.8x0.01mm	100	
4112-290	Bore gauge zero setter	18-290mm	87	
4112-510	Bore gauge zero setter	160-510mm	87	
4112-400	Bore gauge zero setter	18-400mm	87	NEW
4113-016	Large range dial test indicator	0-1.6x0.01mm	106	NEW
4113-008VE	Vertical dial test indicator	0-0.8x0.01mm	107	NEW
4115-010A-01	Bore gauge with carbide tip	5-10x0.01mm	84	NEW
4115-020A-01	Bore gauge with carbide tip	10-20x0.01mm	84	NEW
4115-035A-01	Bore gauge with carbide tip	15-35x0.01mm	84	NEW
4115-100A-01	Bore gauge with carbide tip	30-100x0.01mm	84	NEW
4115-160A-01	Bore gauge with carbide tip	50-160x0.01mm	84	NEW
4115-210A-01	Bore gauge with carbide tip	50-210x0.01mm	84	NEW
4115-300A-01	Bore gauge with carbide tip	100-300x0.01mm	84	NEW
4115-035A-AC-01	Bore gauge with carbide tip, short rod	15-35x0.01mm	84	NEW
4115-010-SD01	Small bore gauge	5-10x0.01mm	85	NEW
4115-020-SD01	Small bore gauge	10-20x0.01mm	85	NEW
4116-035-01	Bore gauge for blind holes	16-35x0.01mm	84	NEW
4116-060-01	Bore gauge for blind holes	25-60x0.01mm	84	NEW
4116-150-01	Bore gauge for blind holes	50-150x0.01mm	84	NEW

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4116/4205/4206/4207/4208/4209/4210/4211/4212/4213/4307/4308 4309/4310/4312/4313/4316/4500

Art No.	Descrption	Size	Page	NEW 2024
4116-300-01	Bore gauge for blind holes	100-300x0.01mm	84	NEW
4205-230	Universal bore gauge	50-220/15-230mm	137	
4205-3232	MINI Comparative gauge	0-290/32-320mm	136	NEW
4205-3250	MINI Comparative gauge	0-470/32-500mm	136	NEW
4206-S03	Bore gauge set with digital indicator	18-35/35-50/50-160x0.002mm	87	
4206-C18	Bore gauge with ceramic tips,digital indicator	10-18x0.002mm	85	NEW
4206-C35	Bore gauge with ceramic tips,digital indicator	18-35x0.002mm	85	NEW
4206-C50	Bore gauge with ceramic tips,digital indicator	35-50x0.002mm	85	NEW
4206-C160	Bore gauge with ceramic tips,digital indicator	50-160x0.002mm	85	NEW
4206-C250	Bore gauge with ceramic tips,digital indicator	160-250x0.002mm	85	NEW
4206-C450	Bore gauge with ceramic tips,digital indicator	250-450x0.002mm	85	NEW
4206-C181	Bore gauge with ceramic tips,digital indicator	10-18x0.001mm	85	NEW
4206-C351	Bore gauge with ceramic tips,digital indicator	18-35x0.001mm	85	NEW
4206-C501	Bore gauge with ceramic tips,digital indicator	35-50x0.001mm	85	NEW
4206-C1601	Bore gauge with ceramic tips,digital indicator	50-160x0.001mm	85	NEW
4206-C2501	Bore gauge with ceramic tips,digital indicator	160-250x0.001mm	85	NEW
4206-C4501	Bore gauge with ceramic tips,digital indicator	250-450x0.001mm	85	NEW
4207-512	High precision digital indicator	0-12.7x0.0005mm	92	
4207-525	High precision digital indicator	0-25.4x0.0005mm	92	
4207-550	High precision digital indicator	0-50.8x0.0005mm	92	
4208-512BT	High precision digital indicator with BT	0-12.7x0.0005mm	93	
4208-525BT	High precision digital indicator with BT	0-25.4x0.0005mm	93	
4208-550BT	High precision digital indicator with BT	0-50.8x0.0005mm	93	
4209-012W	Digital indicator with BT	0-12.7x0.01mm/0-0.5x0.0005"	16	
4209-025W	Digital indicator with BT	0-25.4x0.01mm/0-1x0.0005"	16	
4209-050W	Digital indicator with BT	0-50.8x0.01mm/0-2x0.0005"	16	
4210-012W	Digital indicator with BT	0-12.7x0.001mm/0-0.5x0.0005"	17	
4210-025W	Digital indicator with BT	0-25.4x0.001mm/0-1x0.0005"	17	
4210-050W	Digital indicator with BT	0-50.8x0.001mm/0-2x0.0005"	17	
4211-008W	Digital test indicator with BT	0-0.8x0.001mm	16	
4212-05	Digital indicator	0-5x0.01mm	98	NEW
4212-05M	Digital indicator	0-5x0.001mm	98	NEW
4213-512BT	High precision digital indicator with BT	0-12.7x0.0005mm	91	NEW
4213-525BT	High precision digital indicator with BT	0-25.4x0.0005mm	91	NEW
4213-550BT	High precision digital indicator with BT	0-50.8x0.0005mm	91	NEW
4307-012	External digital caliper	2.5-12.5x0.005mm	111	NEW
4307-015	External digital caliper	5-15x0.005mm	111	NEW
4307-030	External digital caliper	10-30x0.01mm	111	NEW
4307-050	External digital caliper	30-50x0.01mm	111	NEW
4307-065	External digital caliper	15-65x0.01mm	111	NEW
4308-010	External digital caliper	0-10x0.005mm	111	NEW
4308-020	External digital caliper	0-20x0.01mm	111	NEW
4308-050	External digital caliper	0-50x0.01mm	111	NEW
4308-020H	External digital caliper	0-20x0.01mm	112	NEW
4309-012	Internal dial caliper	2.5-12.5x0.005mm	110	NEW
4309-015	Internal dial caliper	5-15x0.005mm	110	NEW
4309-030	Internal dial caliper	10-30x0.01mm	110	NEW
4309-050	Internal dial caliper	30-50x0.01mm	110	NEW
4309-065	Internal dial caliper	15-65x0.05mm	110	NEW
4310-010	External dial caliper	0-10x0.005mm	110	NEW
4310-020	External dial caliper	0-20x0.01mm	110	NEW
4310-050	External dial caliper	0-50x0.05mm	110	NEW
4310-020H	External dial caliper	0-20x0.01mm	110	NEW
4312-015	Internal dial snap gauge	5-15x0.01mm	109	
4312-025	Internal dial snap gauge	5-25x0.01mm	109	
4312-030	Internal dial snap gauge	10-30x0.01mm	109	
4312-040	Internal dial snap gauge	20-40x0.01mm	109	
4312-050	Internal dial snap gauge	30-50x0.01mm	109	
4312-060	Internal dial snap gauge	40-60x0.01mm	109	
4313-020A-20	External dial snap gauge	0-20x0.01mm	109	NEW
4313-030A-20	External dial snap gauge	10-30x0.01mm	109	NEW
4313-040A-20	External dial snap gauge	20-40x0.01mm	109	NEW
4313-050A-20	External dial snap gauge	30-50x0.01mm	109	NEW
4313-060A-20	External dial snap gauge	40-60x0.01mm	109	NEW
4316-023	Inside caliper with interchangeable anvils	5-23x0.01mm	109	NEW
4316-035	Inside caliper with interchangeable anvils	20-35x0.01mm	109	NEW
4316-062	Inside caliper with interchangeable anvils	30-62x0.01mm	109	NEW
4316-153	Inside caliper with interchangeable anvils	55-153x0.01mm	109	NEW
4500-100B	Horizontal digtal scale	0-100x0.01mm	46	
4500-150B	Horizontal digtal scale	0-150x0.01mm	46	
4500-200B	Horizontal digtal scale	0-200x0.01mm	46	
4500-300B	Horizontal digtal scale	0-300x0.01mm	46	
4500-500B	Horizontal digtal scale	0-500x0.01mm	46	
4500-600B	Horizontal digtal scale	0-600x0.01mm	46	
4500-1000B	Horizontal digtal scale	0-1000x0.01mm	46	
4500-100E	Vertical digital scale	0-100x0.01mm	47	NEW
4500-150E	Vertical digital scale	0-150x0.01mm	47	NEW

4500/5100/5101/5107/5108

Art No.	Descrption	Size	Page	NEW 2024
4500-200E	Vertical digital scale	0-200x0.01mm	47	NEW
4500-300E	Vertical digital scale	0-300x0.01mm	47	NEW
4500-500E	Vertical digital scale	0-500x0.01mm	47	NEW
4500-600E	Vertical digital scale	0-600x0.01mm	47	NEW
4500-1000E	Vertical digital scale	0-1000x0.01mm	47	NEW
5100-112-0	Steel gauge block set-GOST	112pcs/0	206	
5100-112-1	Steel gauge block set-GOST	112pcs/1	206	
5100-112-2	Steel gauge block set-GOST	112pcs/2	206	
5100-83-0	Steel gauge block set-GOST	83pcs/0	206	
5100-83-1	Steel gauge block set-GOST	83pcs/1	206	
5100-83-2	Steel gauge block set-GOST	83pcs/2	206	
5100-38-0	Steel gauge block set-GOST	38pcs/0	206	
5100-38-1	Steel gauge block set-GOST	38pcs/1	206	
5100-38-2	Steel gauge block set-GOST	38pcs/2	206	
5101-38-1	Carbide gauge block set-GOST	38pcs/1	206	
5101-83-1	Carbide gauge block set-GOST	83pcs/1	206	
5101-112-1	Carbide gauge block set-GOST	112pcs/1	206	
5101-32-C0	Ceramic Parallel Block Set	32pcs/0	208	
5101-47-C0	Ceramic Parallel Block Set	47pcs/0	208	
5101-87-C0	Ceramic Parallel Block Set	87pcs/0	208	
5101-103-C0	Ceramic Parallel Block Set	103pcs/0	208	
5101-32-C1	Ceramic Parallel Block Set	32pcs/1	208	
5101-47-C1	Ceramic Parallel Block Set	47pcs/1	208	
5101-87-C1	Ceramic Parallel Block Set	87pcs/1	208	
5101-103-C1	Ceramic Parallel Block Set	103pcs/1	208	
5107-S7	Plug gauge set 7pcs/set	3/4/5/6/8/10/12	217	
5108-003CR	Ceramic ring gauge	3.00	218	NEW
5108-004CR	Ceramic ring gauge	4.00	218	NEW
5108-005CR	Ceramic ring gauge	5.00	218	NEW
5108-006CR	Ceramic ring gauge	6.00	218	NEW
5108-007CR	Ceramic ring gauge	7.00	218	NEW
5108-008CR	Ceramic ring gauge	8.00	218	NEW
5108-009CR	Ceramic ring gauge	9.00	218	NEW
5108-010CR	Ceramic ring gauge	10.00	218	NEW
5108-011CR	Ceramic ring gauge	11.00	218	NEW
5108-012CR	Ceramic ring gauge	12.00	218	NEW
5108-013CR	Ceramic ring gauge	13.00	218	NEW
5108-014CR	Ceramic ring gauge	14.00	218	NEW
5108-015CR	Ceramic ring gauge	15.00	218	NEW
5108-016CR	Ceramic ring gauge	16.00	218	NEW
5108-017CR	Ceramic ring gauge	17.00	218	NEW
5108-018CR	Ceramic ring gauge	18.00	218	NEW
5108-019CR	Ceramic ring gauge	19.00	218	NEW
5108-020CR	Ceramic ring gauge	20.00	218	NEW
5108-021CR	Ceramic ring gauge	21.00	218	NEW
5108-022CR	Ceramic ring gauge	22.00	218	NEW
5108-023CR	Ceramic ring gauge	23.00	218	NEW
5108-024CR	Ceramic ring gauge	24.00	218	NEW
5108-025CR	Ceramic ring gauge	25.00	218	NEW
5108-026CR	Ceramic ring gauge	26.00	218	NEW
5108-027CR	Ceramic ring gauge	27.00	218	NEW
5108-028CR	Ceramic ring gauge	28.00	218	NEW
5108-029CR	Ceramic ring gauge	29.00	218	NEW
5108-030CR	Ceramic ring gauge	30.00	218	NEW
5108-031CR	Ceramic ring gauge	31.00	218	NEW
5108-032CR	Ceramic ring gauge	32.00	218	NEW
5108-033CR	Ceramic ring gauge	33.00	218	NEW
5108-034CR	Ceramic ring gauge	34.00	218	NEW
5108-035CR	Ceramic ring gauge	35.00	218	NEW
5108-036CR	Ceramic ring gauge	36.00	218	NEW
5108-037CR	Ceramic ring gauge	37.00	218	NEW
5108-038CR	Ceramic ring gauge	38.00	218	NEW
5108-039CR	Ceramic ring gauge	39.00	218	NEW
5108-040CR	Ceramic ring gauge	40.00	218	NEW
5108-041CR	Ceramic ring gauge	41.00	218	NEW
5108-042CR	Ceramic ring gauge	42.00	218	NEW
5108-043CR	Ceramic ring gauge	43.00	218	NEW
5108-044CR	Ceramic ring gauge	44.00	218	NEW
5108-045CR	Ceramic ring gauge	45.00	218	NEW
5108-046CR	Ceramic ring gauge	46.00	218	NEW
5108-047CR	Ceramic ring gauge	47.00	218	NEW
5108-048CR	Ceramic ring gauge	48.00	218	NEW
5108-049CR	Ceramic ring gauge	49.00	218	NEW
5108-050CR	Ceramic ring gauge	50.00	218	NEW
5108-001CA	Carbide ring gauge	1.00	222	NEW
5108-002CA	Carbide ring gauge	2.00	222	NEW
5108-003CA	Carbide ring gauge	3.00	222	NEW

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5108-004CA	Carbide ring gauge	4.00	222	NEW
5108-005CA	Carbide ring gauge	5.00	222	NEW
5108-006CA	Carbide ring gauge	6.00	222	NEW
5108-007CA	Carbide ring gauge	7.00	222	NEW
5108-008CA	Carbide ring gauge	8.00	222	NEW
5108-009CA	Carbide ring gauge	9.00	222	NEW
5108-010CA	Carbide ring gauge	10.00	222	NEW
5108-011CA	Carbide ring gauge	11.00	222	NEW
5108-012CA	Carbide ring gauge	12.00	222	NEW
5108-013CA	Carbide ring gauge	13.00	222	NEW
5108-014CA	Carbide ring gauge	14.00	222	NEW
5108-015CA	Carbide ring gauge	15.00	222	NEW
5108-016CA	Carbide ring gauge	16.00	222	NEW
5108-017CA	Carbide ring gauge	17.00	222	NEW
5108-018CA	Carbide ring gauge	18.00	222	NEW
5108-019CA	Carbide ring gauge	19.00	222	NEW
5108-020CA	Carbide ring gauge	20.00	222	NEW
5108-021CA	Carbide ring gauge	21.00	222	NEW
5108-022CA	Carbide ring gauge	22.00	222	NEW
5108-023CA	Carbide ring gauge	23.00	222	NEW
5108-024CA	Carbide ring gauge	24.00	222	NEW
5108-025CA	Carbide ring gauge	25.00	222	NEW
5108-026CA	Carbide ring gauge	26.00	222	NEW
5108-027CA	Carbide ring gauge	27.00	222	NEW
5108-028CA	Carbide ring gauge	28.00	222	NEW
5108-029CA	Carbide ring gauge	29.00	222	NEW
5108-030CA	Carbide ring gauge	30.00	222	NEW
5108-031CA	Carbide ring gauge	31.00	222	NEW
5108-032CA	Carbide ring gauge	32.00	222	NEW
5108-033CA	Carbide ring gauge	33.00	222	NEW
5108-034CA	Carbide ring gauge	34.00	222	NEW
5108-035CA	Carbide ring gauge	35.00	222	NEW
5108-036CA	Carbide ring gauge	36.00	222	NEW
5108-037CA	Carbide ring gauge	37.00	222	NEW
5108-038CA	Carbide ring gauge	38.00	222	NEW
5108-039CA	Carbide ring gauge	39.00	222	NEW
5108-040CA	Carbide ring gauge	40.00	222	NEW
5108-041CA	Carbide ring gauge	41.00	222	NEW
5108-042CA	Carbide ring gauge	42.00	222	NEW
5108-043CA	Carbide ring gauge	43.00	222	NEW
5108-044CA	Carbide ring gauge	44.00	222	NEW
5108-045CA	Carbide ring gauge	45.00	222	NEW
5108-046CA	Carbide ring gauge	46.00	222	NEW
5108-047CA	Carbide ring gauge	47.00	222	NEW
5108-048CA	Carbide ring gauge	48.00	222	NEW
5108-049CA	Carbide ring gauge	49.00	222	NEW
5108-050CA	Carbide ring gauge	50.00	222	NEW
5108-051CA	Carbide ring gauge	51.00	222	NEW
5108-052CA	Carbide ring gauge	52.00	222	NEW
5108-053CA	Carbide ring gauge	53.00	222	NEW
5108-054CA	Carbide ring gauge	54.00	222	NEW
5108-055CA	Carbide ring gauge	55.00	222	NEW
5108-056CA	Carbide ring gauge	56.00	222	NEW
5108-057CA	Carbide ring gauge	57.00	222	NEW
5108-058CA	Carbide ring gauge	58.00	222	NEW
5108-059CA	Carbide ring gauge	59.00	222	NEW
5108-060CA	Carbide ring gauge	60.00	222	NEW
5109-S7	Thread Plug Gauges set 7pcs/set	M3/M4/M5/M6/M8/M10/M12	217	
5109-01-2	Thread Plug Gauges	M1x0.25	217	
5109-012-2	Thread Plug Gauges	M1.2x0.25	217	
5109-014-3	Thread Plug Gauges	M1.4x0.3	217	
5109-016-4	Thread Plug Gauges	M1.6x0.35	217	
5109-017-4	Thread Plug Gauges	M1.7x0.35	217	
5109-018-4	Thread Plug Gauges	M1.8x0.35	217	
5109-02-5	Thread Plug Gauges	M2x0.4	217	
5109-025-6	Thread Plug Gauges	M2.5x0.45	217	
5109-026	Thread Plug Gauges	M2.6x0.45	217	
5109-03-7	Thread Plug Gauges	M3x0.5	217	
5109-035-8	Thread Plug Gauges	M3.5x0.6	217	
5109-04-9	Thread Plug Gauges	M4x0.7	217	
5109-05-11	Thread Plug Gauges	M5x0.8	217	
5109-06-12	Thread Plug Gauges	M6x1	217	
5109-07-12	Thread Plug Gauges	M7x1	217	
5109-08-13	Thread Plug Gauges	M8x1.25	217	
5109-09-13	Thread Plug Gauges	M9x1.25	217	
5109-10-14	Thread Plug Gauges	M10x1.5	217	
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5109-18-17	Thread Plug Gauges	M18x2.5	217	
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5109-42-21	Thread Plug Gauges	M42x4.5	217	
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5109-48-22	Thread Plug Gauges	M48x5	217	
5109-52-22	Thread Plug Gauges	M52x5	217	
5109-56-23	Thread Plug Gauges	M56x5.5	217	
5109-60-23	Thread Plug Gauges	M60x5.5	217	
5109-62-23	Thread Plug Gauges	M62x5.5	217	
5109-64-24	Thread Plug Gauges	M64x6	217	
5109-65-24	Thread Plug Gauges	M65x6	217	
5109-68-24	Thread Plug Gauges	M68x6	217	
5109-69-24	Thread Plug Gauges	M69x6	217	
5109-70-24	Thread Plug Gauges	M70x6	217	
5109-72-24	Thread Plug Gauges	M72x6	217	
5109-75-24	Thread Plug Gauges	M75x6	217	
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5109-80-24	Thread Plug Gauges	M80x6	217	
5109-82-24	Thread Plug Gauges	M82x6	217	
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5109-88-24	Thread Plug Gauges	M88x6	217	
5109-90-24	Thread Plug Gauges	M90x6	217	
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5109-02-4	Thread Plug Gauges,fine thread	M2x0.35	219	
5109-022-4	Thread Plug Gauges,fine thread	M2.2x0.35	219	
5109-025-4	Thread Plug Gauges,fine thread	M2.5x0.35	219	
5109-03-4	Thread Plug Gauges,fine thread	M3x0.35	219	
5109-035-4	Thread Plug Gauges,fine thread	M3.5x0.35	219	
5109-04-4	Thread Plug Gauges,fine thread	M4x0.35	219	
5109-045-4	Thread Plug Gauges,fine thread	M4.5x0.35	219	
5109-05-4	Thread Plug Gauges,fine thread	M5x0.35	219	
5109-055-4	Thread Plug Gauges,fine thread	M5.5x0.35	219	
5109-06-4	Thread Plug Gauges,fine thread	M6x0.35	219	
5109-065-4	Thread Plug Gauges,fine thread	M6.5x0.35	219	
5109-07-4	Thread Plug Gauges,fine thread	M7x0.35	219	
5109-075-4	Thread Plug Gauges,fine thread	M7.5x0.35	219	
5109-08-4	Thread Plug Gauges,fine thread	M8x0.35	219	
5109-09-4	Thread Plug Gauges,fine thread	M9x0.35	219	
5109-10-4	Thread Plug Gauges,fine thread	M10x0.35	219	
5109-04-7	Thread Plug Gauges,fine thread	M4x0.5	219	
5109-05-7	Thread Plug Gauges,fine thread	M5x0.5	219	
5109-06-7	Thread Plug Gauges,fine thread	M6x0.5	219	
5109-07-7	Thread Plug Gauges,fine thread	M7x0.5	219	
5109-08-7	Thread Plug Gauges,fine thread	M8x0.5	219	
5109-09-7	Thread Plug Gauges,fine thread	M9x0.5	219	
5109-10-7	Thread Plug Gauges,fine thread	M10x0.5	219	
5109-12-7	Thread Plug Gauges,fine thread	M12x0.5	219	
5109-05-10	Thread Plug Gauges,fine thread	M5x0.75	219	
5109-06-10	Thread Plug Gauges,fine thread	M6x0.75	219	
5109-07-10	Thread Plug Gauges,fine thread	M7x0.75	219	
5109-08-10	Thread Plug Gauges,fine thread	M8x0.75	219	
5109-09-10	Thread Plug Gauges,fine thread	M9x0.75	219	
5109-10-10	Thread Plug Gauges,fine thread	M10x0.75	219	
5109-11-10	Thread Plug Gauges,fine thread	M11x0.75	219	
5109-12-10	Thread Plug Gauges,fine thread	M12x0.75	219	
5109-17-10	Thread Plug Gauges,fine thread	M17x0.75	219	
5109-08-12	Thread Plug Gauges,fine thread	M8x1	219	
5109-09-12	Thread Plug Gauges,fine thread	M9x1	219	
5109-10-12	Thread Plug Gauges,fine thread	M10x1	219	
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5109-12-12	Thread Plug Gauges,fine thread	M12x1	219	
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5109-22-12	Thread Plug Gauges,fine thread	M22x1	219	
5109-23-12	Thread Plug Gauges,fine thread	M23x1	219	
5109-24-12	Thread Plug Gauges,fine thread	M24x1	219	
5109-25-12	Thread Plug Gauges,fine thread	M25x1	219	
5109-26-12	Thread Plug Gauges,fine thread	M26x1	219	
5109-27-12	Thread Plug Gauges,fine thread	M27x1	219	
5109-28-12	Thread Plug Gauges,fine thread	M28x1	219	
5109-30-12	Thread Plug Gauges,fine thread	M30x1	219	
5109-32-12	Thread Plug Gauges,fine thread	M32x1	219	
5109-33-12	Thread Plug Gauges,fine thread	M33x1	219	
5109-34-12	Thread Plug Gauges,fine thread	M34x1	219	
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5109-37-12	Thread Plug Gauges,fine thread	M37x1	219	
5109-38-12	Thread Plug Gauges,fine thread	M38x1	219	
5109-39-12	Thread Plug Gauges,fine thread	M39x1	219	
5109-40-12	Thread Plug Gauges,fine thread	M40x1	219	
5109-42-12	Thread Plug Gauges,fine thread	M42x1	219	
5109-45-12	Thread Plug Gauges,fine thread	M45x1	219	
5109-48-12	Thread Plug Gauges,fine thread	M48x1	219	
5109-50-12	Thread Plug Gauges,fine thread	M50x1	219	
5109-52-12	Thread Plug Gauges,fine thread	M52x1	219	
5109-55-12	Thread Plug Gauges,fine thread	M55x1	219	
5109-56-12	Thread Plug Gauges,fine thread	M56x1	219	
5109-58-12	Thread Plug Gauges,fine thread	M58x1	219	
5109-60-12	Thread Plug Gauges,fine thread	M60x1	219	
5109-62-12	Thread Plug Gauges,fine thread	M62x1	219	
5109-64-12	Thread Plug Gauges,fine thread	M64x1	219	
5109-65-12	Thread Plug Gauges,fine thread	M65x1	219	
5109-68-12	Thread Plug Gauges,fine thread	M68x1	219	
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5109-16-13	Thread Plug Gauges,fine thread	M16x1.25	219	
5109-10-14	Thread Plug Gauges,fine thread	M10x1.5	219	
5109-12-14	Thread Plug Gauges,fine thread	M12x1.5	219	
5109-14-14	Thread Plug Gauges,fine thread	M14x1.5	219	
5109-16-14	Thread Plug Gauges,fine thread	M16x1.5	219	
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5109-22-14	Thread Plug Gauges,fine thread	M22x1.5	219	
5109-24-14	Thread Plug Gauges,fine thread	M24x1.5	219	
5109-25-14	Thread Plug Gauges,fine thread	M25x1.5	219	
5109-26-14	Thread Plug Gauges,fine thread	M26x1.5	219	
5109-27-14	Thread Plug Gauges,fine thread	M27x1.5	219	
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5109-39-14	Thread Plug Gauges,fine thread	M39x1.5	220	
5109-40-14	Thread Plug Gauges,fine thread	M40x1.5	220	
5109-42-14	Thread Plug Gauges,fine thread	M42x1.5	220	
5109-43-14	Thread Plug Gauges,fine thread	M43x1.5	220	
5109-45-14	Thread Plug Gauges,fine thread	M45x1.5	220	
5109-48-14	Thread Plug Gauges,fine thread	M48x1.5	220	
5109-50-14	Thread Plug Gauges,fine thread	M50x1.5	220	
5109-52-14	Thread Plug Gauges,fine thread	M52x1.5	220	
5109-54-14	Thread Plug Gauges,fine thread	M54x1.5	220	
5109-55-14	Thread Plug Gauges,fine thread	M55x1.5	220	
5109-56-14	Thread Plug Gauges,fine thread	M56x1.5	220	
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5109-68-14	Thread Plug Gauges,fine thread	M68x1.5	220	
5109-69-14	Thread Plug Gauges,fine thread	M69x1.5	220	
5109-70-14	Thread Plug Gauges,fine thread	M70x1.5	220	
5109-72-14	Thread Plug Gauges,fine thread	M72x1.5	220	
5109-75-14	Thread Plug Gauges,fine thread	M75x1.5	220	
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5109-80-14	Thread Plug Gauges,fine thread	M80x1.5	220	
5109-82-14	Thread Plug Gauges,fine thread	M82x1.5	220	
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5109-88-14	Thread Plug Gauges,fine thread	M88x1.5	220	
5109-90-14	Thread Plug Gauges,fine thread	M90x1.5	220	
5109-92-14	Thread Plug Gauges,fine thread	M92x1.5	220	
5109-95-14	Thread Plug Gauges,fine thread	M95x1.5	220	
5109-98-14	Thread Plug Gauges,fine thread	M98x1.5	220	
5109-100-14	Thread Plug Gauges,fine thread	M100x1.5	220	
5109-18-16	Thread Plug Gauges,fine thread	M18x2	220	
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5109-30-16	Thread Plug Gauges,fine thread	M30x2	220	
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5109-42-16	Thread Plug Gauges,fine thread	M42x2	220	
5109-45-16	Thread Plug Gauges,fine thread	M45x2	220	
5109-48-16	Thread Plug Gauges,fine thread	M48x2	220	
5109-50-16	Thread Plug Gauges,fine thread	M50x2	220	
5109-52-16	Thread Plug Gauges,fine thread	M52x2	220	
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5109-85-16	Thread Plug Gauges,fine thread	M85x2	220	
5109-88-16	Thread Plug Gauges,fine thread	M88x2	220	
5109-90-16	Thread Plug Gauges,fine thread	M90x2	220	
5109-92-16	Thread Plug Gauges,fine thread	M92x2	220	
5109-95-16	Thread Plug Gauges,fine thread	M95x2	220	
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5109-100-16	Thread Plug Gauges,fine thread	M100x2	220	
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5109-30-18	Thread Plug Gauges,fine thread	M30x3	220	
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5109-75-18	Thread Plug Gauges,fine thread	M75x3	220	
5109-76-18	Thread Plug Gauges,fine thread	M76x3	220	
5109-78-18	Thread Plug Gauges,fine thread	M78x3	220	
5109-80-18	Thread Plug Gauges,fine thread	M80x3	220	
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5109-GP3819	Pipe thread plug gauge	G3/8- 19	218	NEW
5109-GP1214	Pipe thread plug gauge	G1/2- 14	218	NEW
5109-GP3414	Pipe thread plug gauge	G3/4- 14	218	NEW
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5109-GP1011	Pipe thread plug gauge	G1- 11	218	NEW
5109-GP11411	Pipe thread plug gauge	G1 1/4- 11	218	NEW
5109-GP11211	Pipe thread plug gauge	G1 1/2- 11	218	NEW
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5109-NPT3818	NPT plug gauge	3/8-18NPT	218	NEW
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5110-035-8N	Thread Ring Gauges NOGO	M3.5x0.6	221	
5110-04-9N	Thread Ring Gauges NOGO	M4x0.7	221	
5110-05-11N	Thread Ring Gauges NOGO	M5x0.8	221	
5110-06-12N	Thread Ring Gauges NOGO	M6x1	221	
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5110-55-16G	Thread Ring Gauges,fine thread GO	M55x2	224	
5110-56-16G	Thread Ring Gauges,fine thread GO	M56x2	224	
5110-58-16G	Thread Ring Gauges,fine thread GO	M58x2	224	
5110-60-16G	Thread Ring Gauges,fine thread GO	M60x2	224	
5110-62-16G	Thread Ring Gauges,fine thread GO	M62x2	224	
5110-64-16G	Thread Ring Gauges,fine thread GO	M64x2	224	
5110-65-16G	Thread Ring Gauges,fine thread GO	M65x2	224	
5110-68-16G	Thread Ring Gauges,fine thread GO	M68x2	224	
5110-70-16G	Thread Ring Gauges,fine thread GO	M70x2	224	
5110-72-16G	Thread Ring Gauges,fine thread GO	M72x2	224	
5110-75-16G	Thread Ring Gauges,fine thread GO	M75x2	224	
5110-78-16G	Thread Ring Gauges,fine thread GO	M78x2	224	
5110-80-16G	Thread Ring Gauges,fine thread GO	M80x2	224	
5110-82-16G	Thread Ring Gauges,fine thread GO	M82x2	224	
5110-85-16G	Thread Ring Gauges,fine thread GO	M85x2	224	
5110-88-16G	Thread Ring Gauges,fine thread GO	M88x2	224	
5110-90-16G	Thread Ring Gauges,fine thread GO	M90x2	224	
5110-92-16G	Thread Ring Gauges,fine thread GO	M92x2	224	
5110-95-16G	Thread Ring Gauges,fine thread GO	M95x2	224	
5110-98-16G	Thread Ring Gauges,fine thread GO	M98x2	224	
5110-100-16G	Thread Ring Gauges,fine thread GO	M100x2	224	
5110-30-18G	Thread Ring Gauges,fine thread GO	M30x3	224	
5110-33-18G	Thread Ring Gauges,fine thread GO	M33x3	224	
5110-36-18G	Thread Ring Gauges,fine thread GO	M36x3	224	
5110-39-18G	Thread Ring Gauges,fine thread GO	M39x3	224	
5110-40-18G	Thread Ring Gauges,fine thread GO	M40x3	224	
5110-42-18G	Thread Ring Gauges,fine thread GO	M42x3	224	

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5110-45-18G	Thread Ring Gauges,fine thread GO	M45x3	224	
5110-48-18G	Thread Ring Gauges,fine thread GO	M48x3	224	
5110-50-18G	Thread Ring Gauges,fine thread GO	M50x3	224	
5110-52-18G	Thread Ring Gauges,fine thread GO	M52x3	224	
5110-55-18G	Thread Ring Gauges,fine thread GO	M55x3	224	
5110-58-18G	Thread Ring Gauges,fine thread GO	M58x3	224	
5110-60-18G	Thread Ring Gauges,fine thread GO	M60x3	224	
5110-62-18G	Thread Ring Gauges,fine thread GO	M62x3	224	
5110-65-18G	Thread Ring Gauges,fine thread GO	M65x3	224	
5110-68-18G	Thread Ring Gauges,fine thread GO	M68x3	224	
5110-70-18G	Thread Ring Gauges,fine thread GO	M70x3	224	
5110-72-18G	Thread Ring Gauges,fine thread GO	M72x3	224	
5110-75-18G	Thread Ring Gauges,fine thread GO	M75x3	224	
5110-78-18G	Thread Ring Gauges,fine thread GO	M78x3	224	
5110-80-18G	Thread Ring Gauges,fine thread GO	M80x3	224	
5110-82-18G	Thread Ring Gauges,fine thread GO	M82x3	224	
5110-85-18G	Thread Ring Gauges,fine thread GO	M85x3	224	
5110-88-18G	Thread Ring Gauges,fine thread GO	M88x3	224	
5110-90-18G	Thread Ring Gauges,fine thread GO	M90x3	224	
5110-92-18G	Thread Ring Gauges,fine thread GO	M92x3	224	
5110-95-18G	Thread Ring Gauges,fine thread GO	M95x3	224	
5110-98-18G	Thread Ring Gauges,fine thread GO	M98x3	224	
5110-100-18G	Thread Ring Gauges,fine thread GO	M100x3	224	
5110-02-4N	Thread Ring Gauges,fine thread NOGO	M2x0.35	225	
5110-022-4N	Thread Ring Gauges,fine thread NOGO	M2.2x0.35	225	
5110-025-4N	Thread Ring Gauges,fine thread NOGO	M2.5x0.35	225	
5110-03-4N	Thread Ring Gauges,fine thread NOGO	M3x0.35	225	
5110-035-4N	Thread Ring Gauges,fine thread NOGO	M3.5x0.35	225	
5110-04-4N	Thread Ring Gauges,fine thread NOGO	M4x0.35	225	
5110-045-4N	Thread Ring Gauges,fine thread NOGO	M4.5x0.35	225	
5110-05-4N	Thread Ring Gauges,fine thread NOGO	M5x0.35	225	
5110-06-4N	Thread Ring Gauges,fine thread NOGO	M6x0.35	225	
5110-04-7N	Thread Ring Gauges,fine thread NOGO	M4x0.5	225	
5110-05-7N	Thread Ring Gauges,fine thread NOGO	M5x0.5	225	
5110-06-7N	Thread Ring Gauges,fine thread NOGO	M6x0.5	225	
5110-08-7N	Thread Ring Gauges,fine thread NOGO	M8x0.5	225	
5110-10-7N	Thread Ring Gauges,fine thread NOGO	M10x0.5	225	
5110-12-7N	Thread Ring Gauges,fine thread NOGO	M12x0.5	225	
5110-06-10N	Thread Ring Gauges,fine thread NOGO	M6x0.75	225	
5110-07-10N	Thread Ring Gauges,fine thread NOGO	M7x0.75	225	
5110-08-10N	Thread Ring Gauges,fine thread NOGO	M8x0.75	225	
5110-09-10N	Thread Ring Gauges,fine thread NOGO	M9x0.75	225	
5110-10-10N	Thread Ring Gauges,fine thread NOGO	M10x0.75	225	
5110-11-10N	Thread Ring Gauges,fine thread NOGO	M11x0.75	225	
5110-12-10N	Thread Ring Gauges,fine thread NOGO	M12x0.75	225	
5110-13-10N	Thread Ring Gauges,fine thread NOGO	M13x0.75	225	
5110-15-10N	Thread Ring Gauges,fine thread NOGO	M15x0.75	225	
5110-18-10N	Thread Ring Gauges,fine thread NOGO	M18x0.75	225	
5110-22-10N	Thread Ring Gauges,fine thread NOGO	M22x0.75	225	
5110-24-10N	Thread Ring Gauges,fine thread NOGO	M24x0.75	225	
5110-08-12N	Thread Ring Gauges,fine thread NOGO	M8x1	225	
5110-09-12N	Thread Ring Gauges,fine thread NOGO	M9x1	225	
5110-10-12N	Thread Ring Gauges,fine thread NOGO	M10x1	225	
5110-11-12N	Thread Ring Gauges,fine thread NOGO	M11x1	225	
5110-12-12N	Thread Ring Gauges,fine thread NOGO	M12x1	225	
5110-13-12N	Thread Ring Gauges,fine thread NOGO	M13x1	225	
5110-14-12N	Thread Ring Gauges,fine thread NOGO	M14x1	225	
5110-15-12N	Thread Ring Gauges,fine thread NOGO	M15x1	225	
5110-16-12N	Thread Ring Gauges,fine thread NOGO	M16x1	225	
5110-17-12N	Thread Ring Gauges,fine thread NOGO	M17x1	225	
5110-18-12N	Thread Ring Gauges,fine thread NOGO	M18x1	225	
5110-20-12N	Thread Ring Gauges,fine thread NOGO	M20x1	225	
5110-21-12N	Thread Ring Gauges,fine thread NOGO	M21x1	225	
5110-22-12N	Thread Ring Gauges,fine thread NOGO	M22x1	225	
5110-23-12N	Thread Ring Gauges,fine thread NOGO	M23x1	225	
5110-24-12N	Thread Ring Gauges,fine thread NOGO	M24x1	225	
5110-25-12N	Thread Ring Gauges,fine thread NOGO	M25x1	225	
5110-26-12N	Thread Ring Gauges,fine thread NOGO	M26x1	225	
5110-27-12N	Thread Ring Gauges,fine thread NOGO	M27x1	225	
5110-28-12N	Thread Ring Gauges,fine thread NOGO	M28x1	225	
5110-30-12N	Thread Ring Gauges,fine thread NOGO	M30x1	225	
5110-32-12N	Thread Ring Gauges,fine thread NOGO	M32x1	225	
5110-33-12N	Thread Ring Gauges,fine thread NOGO	M33x1	225	
5110-34-12N	Thread Ring Gauges,fine thread NOGO	M34x1	225	
5110-35-12N	Thread Ring Gauges,fine thread NOGO	M35x1	225	
5110-36-12N	Thread Ring Gauges,fine thread NOGO	M36x1	225	
5110-38-12N	Thread Ring Gauges,fine thread NOGO	M38x1	225	

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5110-45-12N	Thread Ring Gauges,fine thread NOGO	M45x1	225	
5110-48-12N	Thread Ring Gauges,fine thread NOGO	M48x1	225	
5110-50-12N	Thread Ring Gauges,fine thread NOGO	M50x1	225	
5110-52-12N	Thread Ring Gauges,fine thread NOGO	M52x1	225	
5110-55-12N	Thread Ring Gauges,fine thread NOGO	M55x1	225	
5110-58-12N	Thread Ring Gauges,fine thread NOGO	M58x1	225	
5110-60-12N	Thread Ring Gauges,fine thread NOGO	M60x1	225	
5110-62-12N	Thread Ring Gauges,fine thread NOGO	M62x1	225	
5110-64-12N	Thread Ring Gauges,fine thread NOGO	M64x1	225	
5110-65-12N	Thread Ring Gauges,fine thread NOGO	M65x1	225	
5110-68-12N	Thread Ring Gauges,fine thread NOGO	M68x1	225	
5110-70-12N	Thread Ring Gauges,fine thread NOGO	M70x1	225	
5110-72-12N	Thread Ring Gauges,fine thread NOGO	M72x1	225	
5110-75-12N	Thread Ring Gauges,fine thread NOGO	M75x1	225	
5110-76-12N	Thread Ring Gauges,fine thread NOGO	M76x1	225	
5110-78-12N	Thread Ring Gauges,fine thread NOGO	M78x1	225	
5110-80-12N	Thread Ring Gauges,fine thread NOGO	M80x1	225	
5110-10-13N	Thread Ring Gauges,fine thread NOGO	M10x1.25	225	
5110-12-13N	Thread Ring Gauges,fine thread NOGO	M12x1.25	225	
5110-14-13N	Thread Ring Gauges,fine thread NOGO	M14x1.25	225	
5110-10-14N	Thread Ring Gauges,fine thread NOGO	M10x1.5	225	
5110-12-14N	Thread Ring Gauges,fine thread NOGO	M12x1.5	225	
5110-13-14N	Thread Ring Gauges,fine thread NOGO	M13x1.5	225	
5110-14-14N	Thread Ring Gauges,fine thread NOGO	M14x1.5	225	
5110-15-14N	Thread Ring Gauges,fine thread NOGO	M15x1.5	225	
5110-16-14N	Thread Ring Gauges,fine thread NOGO	M16x1.5	225	
5110-17-14N	Thread Ring Gauges,fine thread NOGO	M17x1.5	225	
5110-18-14N	Thread Ring Gauges,fine thread NOGO	M18x1.5	225	
5110-20-14N	Thread Ring Gauges,fine thread NOGO	M20x1.5	225	
5110-22-14N	Thread Ring Gauges,fine thread NOGO	M22x1.5	225	
5110-24-14N	Thread Ring Gauges,fine thread NOGO	M24x1.5	225	
5110-25-14N	Thread Ring Gauges,fine thread NOGO	M25x1.5	225	
5110-26-14N	Thread Ring Gauges,fine thread NOGO	M26x1.5	225	
5110-27-14N	Thread Ring Gauges,fine thread NOGO	M27x1.5	225	
5110-28-14N	Thread Ring Gauges,fine thread NOGO	M28x1.5	225	
5110-29-14N	Thread Ring Gauges,fine thread NOGO	M29x1.5	225	
5110-30-14N	Thread Ring Gauges,fine thread NOGO	M30x1.5	225	
5110-32-14N	Thread Ring Gauges,fine thread NOGO	M32x1.5	225	
5110-33-14N	Thread Ring Gauges,fine thread NOGO	M33x1.5	225	
5110-34-14N	Thread Ring Gauges,fine thread NOGO	M34x1.5	225	
5110-35-14N	Thread Ring Gauges,fine thread NOGO	M35x1.5	225	
5110-36-14N	Thread Ring Gauges,fine thread NOGO	M36x1.5	225	
5110-38-14N	Thread Ring Gauges,fine thread NOGO	M38x1.5	225	
5110-39-14N	Thread Ring Gauges,fine thread NOGO	M39x1.5	225	
5110-40-14N	Thread Ring Gauges,fine thread NOGO	M40x1.5	225	
5110-41-14N	Thread Ring Gauges,fine thread NOGO	M41x1.5	226	
5110-42-14N	Thread Ring Gauges,fine thread NOGO	M42x1.5	226	
5110-45-14N	Thread Ring Gauges,fine thread NOGO	M45x1.5	226	
5110-46-14N	Thread Ring Gauges,fine thread NOGO	M46x1.5	226	
5110-48-14N	Thread Ring Gauges,fine thread NOGO	M48x1.5	226	
5110-50-14N	Thread Ring Gauges,fine thread NOGO	M50x1.5	226	
5110-52-14N	Thread Ring Gauges,fine thread NOGO	M52x1.5	226	
5110-55-14N	Thread Ring Gauges,fine thread NOGO	M55x1.5	226	
5110-56-14N	Thread Ring Gauges,fine thread NOGO	M56x1.5	226	
5110-58-14N	Thread Ring Gauges,fine thread NOGO	M58x1.5	226	
5110-60-14N	Thread Ring Gauges,fine thread NOGO	M60x1.5	226	
5110-62-14N	Thread Ring Gauges,fine thread NOGO	M62x1.5	226	
5110-64-14N	Thread Ring Gauges,fine thread NOGO	M64x1.5	226	
5110-65-14N	Thread Ring Gauges,fine thread NOGO	M65x1.5	226	
5110-68-14N	Thread Ring Gauges,fine thread NOGO	M68x1.5	226	
5110-70-14N	Thread Ring Gauges,fine thread NOGO	M70x1.5	226	
5110-72-14N	Thread Ring Gauges,fine thread NOGO	M72x1.5	226	
5110-75-14N	Thread Ring Gauges,fine thread NOGO	M75x1.5	226	
5110-76-14N	Thread Ring Gauges,fine thread NOGO	M76x1.5	226	
5110-78-14N	Thread Ring Gauges,fine thread NOGO	M78x1.5	226	
5110-80-14N	Thread Ring Gauges,fine thread NOGO	M80x1.5	226	
5110-82-14N	Thread Ring Gauges,fine thread NOGO	M82x1.5	226	
5110-85-14N	Thread Ring Gauges,fine thread NOGO	M85x1.5	226	
5110-88-14N	Thread Ring Gauges,fine thread NOGO	M88x1.5	226	
5110-90-14N	Thread Ring Gauges,fine thread NOGO	M90x1.5	226	
5110-92-14N	Thread Ring Gauges,fine thread NOGO	M92x1.5	226	
5110-95-14N	Thread Ring Gauges,fine thread NOGO	M95x1.5	226	
5110-98-14N	Thread Ring Gauges,fine thread NOGO	M98x1.5	226	
5110-100-14N	Thread Ring Gauges,fine thread NOGO	M100x1.5	226	

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5110-20-16N	Thread Ring Gauges,fine thread NOGO	M20x2	226	
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5110-25-16N	Thread Ring Gauges,fine thread NOGO	M25x2	226	
5110-26-16N	Thread Ring Gauges,fine thread NOGO	M26x2	226	
5110-27-16N	Thread Ring Gauges,fine thread NOGO	M27x2	226	
5110-28-16N	Thread Ring Gauges,fine thread NOGO	M28x2	226	
5110-30-16N	Thread Ring Gauges,fine thread NOGO	M30x2	226	
5110-32-16N	Thread Ring Gauges,fine thread NOGO	M32x2	226	
5110-33-16N	Thread Ring Gauges,fine thread NOGO	M33x2	226	
5110-34-16N	Thread Ring Gauges,fine thread NOGO	M34x2	226	
5110-35-16N	Thread Ring Gauges,fine thread NOGO	M35x2	226	
5110-36-16N	Thread Ring Gauges,fine thread NOGO	M36x2	226	
5110-38-16N	Thread Ring Gauges,fine thread NOGO	M38x2	226	
5110-39-16N	Thread Ring Gauges,fine thread NOGO	M39x2	226	
5110-40-16N	Thread Ring Gauges,fine thread NOGO	M40x2	226	
5110-42-16N	Thread Ring Gauges,fine thread NOGO	M42x2	226	
5110-44-16N	Thread Ring Gauges,fine thread NOGO	M44x2	226	
5110-45-16N	Thread Ring Gauges,fine thread NOGO	M45x2	226	
5110-46-16N	Thread Ring Gauges,fine thread NOGO	M46x2	226	
5110-48-16N	Thread Ring Gauges,fine thread NOGO	M48x2	226	
5110-50-16N	Thread Ring Gauges,fine thread NOGO	M50x2	226	
5110-52-16N	Thread Ring Gauges,fine thread NOGO	M52x2	226	
5110-55-16N	Thread Ring Gauges,fine thread NOGO	M55x2	226	
5110-56-16N	Thread Ring Gauges,fine thread NOGO	M56x2	226	
5110-58-16N	Thread Ring Gauges,fine thread NOGO	M58x2	226	
5110-60-16N	Thread Ring Gauges,fine thread NOGO	M60x2	226	
5110-62-16N	Thread Ring Gauges,fine thread NOGO	M62x2	226	
5110-64-16N	Thread Ring Gauges,fine thread NOGO	M64x2	226	
5110-65-16N	Thread Ring Gauges,fine thread NOGO	M65x2	226	
5110-68-16N	Thread Ring Gauges,fine thread NOGO	M68x2	226	
5110-70-16N	Thread Ring Gauges,fine thread NOGO	M70x2	226	
5110-72-16N	Thread Ring Gauges,fine thread NOGO	M72x2	226	
5110-75-16N	Thread Ring Gauges,fine thread NOGO	M75x2	226	
5110-78-16N	Thread Ring Gauges,fine thread NOGO	M78x2	226	
5110-80-16N	Thread Ring Gauges,fine thread NOGO	M80x2	226	
5110-82-16N	Thread Ring Gauges,fine thread NOGO	M82x2	226	
5110-85-16N	Thread Ring Gauges,fine thread NOGO	M85x2	226	
5110-88-16N	Thread Ring Gauges,fine thread NOGO	M88x2	226	
5110-90-16N	Thread Ring Gauges,fine thread NOGO	M90x2	226	
5110-92-16N	Thread Ring Gauges,fine thread NOGO	M92x2	226	
5110-95-16N	Thread Ring Gauges,fine thread NOGO	M95x2	226	
5110-98-16N	Thread Ring Gauges,fine thread NOGO	M98x2	226	
5110-100-16N	Thread Ring Gauges,fine thread NOGO	M100x2	226	
5110-30-18N	Thread Ring Gauges,fine thread NOGO	M30x3	226	
5110-33-18N	Thread Ring Gauges,fine thread NOGO	M33x3	226	
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5110-40-18N	Thread Ring Gauges,fine thread NOGO	M40x3	226	
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5110-45-18N	Thread Ring Gauges,fine thread NOGO	M45x3	226	
5110-48-18N	Thread Ring Gauges,fine thread NOGO	M48x3	226	
5110-50-18N	Thread Ring Gauges,fine thread NOGO	M50x3	226	
5110-52-18N	Thread Ring Gauges,fine thread NOGO	M52x3	226	
5110-55-18N	Thread Ring Gauges,fine thread NOGO	M55x3	226	
5110-58-18N	Thread Ring Gauges,fine thread NOGO	M58x3	226	
5110-60-18N	Thread Ring Gauges,fine thread NOGO	M60x3	226	
5110-62-18N	Thread Ring Gauges,fine thread NOGO	M62x3	226	
5110-65-18N	Thread Ring Gauges,fine thread NOGO	M65x3	226	
5110-68-18N	Thread Ring Gauges,fine thread NOGO	M68x3	226	
5110-70-18N	Thread Ring Gauges,fine thread NOGO	M70x3	226	
5110-72-18N	Thread Ring Gauges,fine thread NOGO	M72x3	226	
5110-75-18N	Thread Ring Gauges,fine thread NOGO	M75x3	226	
5110-78-18N	Thread Ring Gauges,fine thread NOGO	M78x3	226	
5110-80-18N	Thread Ring Gauges,fine thread NOGO	M80x3	226	
5110-82-18N	Thread Ring Gauges,fine thread NOGO	M82x3	226	
5110-85-18N	Thread Ring Gauges,fine thread NOGO	M85x3	226	
5110-88-18N	Thread Ring Gauges,fine thread NOGO	M88x3	226	
5110-90-18N	Thread Ring Gauges,fine thread NOGO	M90x3	226	
5110-92-18N	Thread Ring Gauges,fine thread NOGO	M92x3	226	
5110-95-18N	Thread Ring Gauges,fine thread NOGO	M95x3	226	
5110-98-18N	Thread Ring Gauges,fine thread NOGO	M98x3	226	
5110-100-18N	Thread Ring Gauges,fine thread NOGO	M100x3	226	
5110-GP1828-G	Pipe thread ring gauge, GO	G1/8-28 GO	222	NEW
5110-GP1419-G	Pipe thread ring gauge, GO	G1/4- 19 GO	222	NEW
5110-GP3819-G	Pipe thread ring gauge, GO	G3/8- 19 GO	222	NEW

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5110-GP1214-G	Pipe thread ring gauge, GO	G1/2- 14 GO	222	NEW
5110-GP3414-G	Pipe thread ring gauge, GO	G3/4- 14 GO	222	NEW
5110-GP7814-G	Pipe thread ring gauge, GO	G7/8- 14 GO	222	NEW
5110-GP1011-G	Pipe thread ring gauge, GO	G1- 11 GO	222	NEW
5110-GP11411-G	Pipe thread ring gauge, GO	G1 1/4- 11 GO	222	NEW
5110-GP11211-G	Pipe thread ring gauge, GO	G1 1/2- 11 GO	222	NEW
5110-GP2011-G	Pipe thread ring gauge, GO	G2- 11 GO	222	NEW
5110-GP1828-N	Pipe thread ring gauge, NOGO	G1/8-28 NOGO	222	NEW
5110-GP1419-N	Pipe thread ring gauge, NOGO	G1/4- 19 NOGO	222	NEW
5110-GP3819-N	Pipe thread ring gauge, NOGO	G3/8- 19 NOGO	222	NEW
5110-GP1214-N	Pipe thread ring gauge, NOGO	G1/2- 14 NOGO	222	NEW
5110-GP3414-N	Pipe thread ring gauge, NOGO	G3/4- 14 NOGO	222	NEW
5110-GP7814-N	Pipe thread ring gauge, NOGO	G7/8- 14 NOGO	222	NEW
5110-GP1011-N	Pipe thread ring gauge, NOGO	G1- 11 NOGO	222	NEW
5110-GP11411-N	Pipe thread ring gauge, NOGO	G1 1/4- 11 NOGO	222	NEW
5110-GP11211-N	Pipe thread ring gauge, NOGO	G1 1/2- 11 NOGO	222	NEW
5110-GP2011-N	Pipe thread ring gauge, NOGO	G2- 11 NOGO	222	NEW
5110-NPT18	NPT Ring gauge	1/8-27 NPT STEP	222	NEW
5110-NPT14	NPT Ring gauge	1/4-18 NPT STEP	222	NEW
5110-NPT38	NPT Ring gauge	3/8-18 NPT STEP	222	NEW
5110-NPT12	NPT Ring gauge	1/2-14 NPT STEP	222	NEW
5110-NPT34	NPT Ring gauge	3/4-14 NPT STEP	222	NEW
5110-NPT1	NPT Ring gauge	1" NPT STEP	222	NEW
5111-25	Steel ball set	1-25mm	211	
5120-201	Long type feeler gauge	0.05-1.00/150mm	227	NEW
5120-202	Long type feeler gauge	0.05-1.00/200mm	227	NEW
5120-203	Long type feeler gauge	0.05-1.00/300mm	227	NEW
5120-204	Long type feeler gauge	0.05-1.00/400mm	227	NEW
5120-205	Long type feeler gauge	0.05-1.00/500mm	227	NEW
5122-001	Feeler gauge	0.01mm	229	
5122-002	Feeler gauge	0.02mm	229	
5122-003	Feeler gauge	0.03mm	229	
5122-004	Feeler gauge	0.04mm	229	
5122-005	Feeler gauge	0.05mm	229	
5122-006	Feeler gauge	0.06mm	229	
5122-007	Feeler gauge	0.07mm	229	
5122-008	Feeler gauge	0.08mm	229	
5122-009	Feeler gauge	0.09mm	229	
5122-010	Feeler gauge	0.10mm	229	
5122-012	Feeler gauge	0.12mm	229	
5122-013	Feeler gauge	0.13mm	229	
5122-014	Feeler gauge	0.14mm	229	
5122-015	Feeler gauge	0.15mm	229	
5122-016	Feeler gauge	0.16mm	229	
5122-018	Feeler gauge	0.18mm	229	
5122-020	Feeler gauge	0.2mm	229	
5122-022	Feeler gauge	0.22mm	229	
5122-025	Feeler gauge	0.25mm	229	
5122-030	Feeler gauge	0.3mm	229	
5122-035	Feeler gauge	0.35mm	229	
5122-040	Feeler gauge	0.4mm	229	
5122-050	Feeler gauge	0.5mm	229	
5122-060	Feeler gauge	0.6mm	229	
5123-060	Center gauge	60°	232	
5123-055	Center gauge	55°	232	
5123-S18	Angle gauge set	5-90°	232	
5124-RG1	Digital radius gauge	5-910x0.005mm	89	
5127-17S	Gauge block accessory set	17pcs/set	230	
5127-8S	Gauge set	8pcs/set	230	
5127-11	Gauge block holder	120x120x327.6mm	210	NEW
5127-30	Optial flat holder	120x120x327.6mm	210	NEW
5128-041-01	Pin gauge set	0.10-0.50x0.01mm/41	211	
5128-051-01	Pin gauge set	0.50-1.00x0.01mm/51	211	
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5128-051-04	Pin gauge set	2.00-2.50x0.01mm/51	211	
5128-051-05	Pin gauge set	2.50-3.00x0.01mm/51	211	
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5128-051-13	Pin gauge set	6.50-7.00x0.01mm/51	211	
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5128-051-18	Pin gauge set	9.00-9.50x0.01mm/51	211	
5128-051-19	Pin gauge set	9.50-10.00x0.01mm/51	211	
5128-051-20	Pin gauge set	10.00-10.50x0.01mm/51	211	
5128-051-21	Pin gauge set	10.50-11.00x0.01mm/51	211	
5128-051-22	Pin gauge set	11.00-11.50x0.01mm/51	211	
5128-051-23	Pin gauge set	11.50-12.00x0.01mm/51	211	
5128-051-24	Pin gauge set	12.00-12.50x0.01mm/51	211	
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5129-0005	Feeler gauge	0.005mm	229	
5129-001	Feeler gauge	0.01mm	229	
5129-002	Feeler gauge	0.02mm	229	
5129-003	Feeler gauge	0.03mm	229	
5129-004	Feeler gauge	0.04mm	229	
5129-005	Feeler gauge	0.05mm	229	
5129-006	Feeler gauge	0.06mm	229	
5129-007	Feeler gauge	0.07mm	229	
5129-008	Feeler gauge	0.08mm	229	
5129-009	Feeler gauge	0.09mm	229	
5129-010	Feeler gauge	0.10mm	229	
5129-012	Feeler gauge	0.12mm	229	
5129-015	Feeler gauge	0.15mm	229	
5129-018	Feeler gauge	0.18mm	229	
5129-020	Feeler gauge	0.20mm	229	
5129-025	Feeler gauge	0.25mm	229	
5129-030	Feeler gauge	0.30mm	229	
5129-035	Feeler gauge	0.35mm	229	
5129-040	Feeler gauge	0.40mm	229	
5129-045	Feeler gauge	0.45mm	229	
5129-050	Feeler gauge	0.50mm	229	
5129-055	Feeler gauge	0.55mm	229	
5129-060	Feeler gauge	0.60mm	229	
5129-065	Feeler gauge	0.65mm	229	
5129-070	Feeler gauge	0.70mm	229	
5129-075	Feeler gauge	0.75mm	229	
5129-080	Feeler gauge	0.80mm	229	
5129-085	Feeler gauge	0.85mm	229	
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5129-095	Feeler gauge	0.95mm	229	
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5130-051-02	Precision Measuring Steel Pins	1.50 1.51...1.99 2.00mm	212	
5130-051-03	Precision Measuring Steel Pins	2.00 2.01...2.49 2.50mm	212	
5130-051-04	Precision Measuring Steel Pins	2.50 2.51...2.99 3.00mm	212	
5130-051-05	Precision Measuring Steel Pins	3.00 3.01...3.49 3.50mm	212	
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5130-051-07	Precision Measuring Steel Pins	4.00 4.01...4.49 4.50mm	212	
5130-051-08	Precision Measuring Steel Pins	4.50 4.51...4.99 5.00mm	212	
5130-051-09	Precision Measuring Steel Pins	5.00 5.01...5.49 5.50mm	212	
5130-051-10	Precision Measuring Steel Pins	5.50 5.51...5.99 6.00mm	212	
5130-051-11	Precision Measuring Steel Pins	6.00 6.01...4.49 6.50mm	212	
5130-051-12	Precision Measuring Steel Pins	6.50 6.51...6.99 7.00mm	212	
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5130-051-17	Precision Measuring Steel Pins	9.00 9.01...9.49 9.50mm	212	
5130-051-18	Precision Measuring Steel Pins	9.50 9.51...9.99 10.00mm	212	
5130-016-01	Precision measuring pin gauge	0.05-0.20mm	212	NEW
5130-031-01	Precision measuring pin gauge	0.20-0.50mm	212	NEW
5131-013A	ABS feeler gauge	0.25-2.00mm/13	228	NEW
5131-013P	Plastic feeler gauge	0.05-1.00mm/13	228	NEW
5131-020P	Plastic feeler gauge	0.05-1.00mm/20	228	NEW
5280-100	Automatic bearing ring tester Fwn-31S	30-100mm	172	
5290-100B	2D movable vision measuring machine	MA-100B	178	
5290-300	2.5D Manual vision measuring machine	MA-300	180	
5290-300P	3D Manual vision measuring machine with probe	MA-300P	182	
5290-AU400	2.5D Automatic vision measuring machine	AU-400	184	
5290-AU400P	3D Automatic vision measuring machine with probe	AU-400P	186	
5291-1005	Profile projector	100x50mm	175	
5291-1005N	Profile projector,erect image	100x50mm	175	
5291-1505	Profile projector	150x50mm	175	
5291-1505N	Profile projector,erect image	150x50mm	175	
5291-1510H	High precision profile projector	150x100mm	175	
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5291-2515H	High precision profile projector	250x150mm	175	
5291-2515HN	High precision profile projector,erect image	250x150mm	175	
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5291-2919HN	High precision profile projector,erect image	295x195mm	175	
5291-4030H	High precision profile projector	400x300mm	175	
5291-4030HN	High precision profile projector,erect image	400x300mm	175	
5292-3015N	300mm High precision profile projector,erect image	150x100mm	176	
5292-3020N	300mm High precision profile projector,erect image	200x100mm	176	
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5292-4025N	400mm High precision profile projector,erect image	250x150mm	176	
5292-4030N	400mm High precision profile projector,erect image	300x200mm	176	
5294-300Z1	Automatic vision measuring machine	300x200mm	187	NEW
5294-400Z1	Automatic vision measuring machine	400x300mm	187	NEW
5294-500Z1	Automatic vision measuring machine	500x400mm	187	NEW
5294-200S1	Manual vision measuring machine	200x150mm	188	NEW
5294-300S1	Manual vision measuring machine	300x200mm	188	NEW
5294-400S1	Manual vision measuring machine	400x300mm	188	NEW
6601-15B	Steel ruler	15cm	241	NEW
6604-020	Circumference measuring tape	20-300/60-950mm	89	
6604-300	Circumference measuring tape	300-700/940-2200mm	89	
6604-700	Circumference measuring tape	700-1100/2190-3460mm	89	
6605-040	Fiexible ID measuring tape	22-40mm	89	
6605-060	Fiexible ID measuring tape	35-60mm	89	
6605-100	Fiexible ID measuring tape	55-100mm	89	
6605-180	Fiexible ID measuring tape	95-180mm	89	
6103-02	Digital bevel box	4x90°/0.1°	203	
6104-200D	Digital protractor	0-360°/200mm	203	
6104-300D	Digital protractor	0-360°/300mm	203	
6125-1502	Frame spirit level	150x150x0.02mm	202	
6125-2002	Frame spirit level	200x200x0.02mm	202	
6125-3002	Frame spirit level	300x300x0.02mm	202	
6126-1502	Spirit level	150x0.02mm	202	
6126-2002	Spirit level	200x0.02mm	202	
6126-3002	Spirit level	300x0.02mm	202	
6128-N05	Smart precision inspection spirit level	±0.5mm/m	198	
6128-N10	Smart precision inspection spirit level	±0.5mm/m	198	NEW
6128-400	Sprit level	400mm/0-360°	203	NEW
6128-600	Sprit level	600mm/0-360°	203	
6129-160	Spirit level,Germany	160x0.02mm/m	200	
6129-200	Spirit level,Germany	200x0.02mm/m	200	
6129-300	Spirit level,Germany	300x0.02mm/m	200	
6130-150	Frame spirit level,Germany	150x0.02mm/m	200	
6130-200	Frame spirit level,Germany	200x0.02mm/m	200	
6130-300	Frame spirit level,Germany	300x0.02mm/m	200	
6131-200	Electornic spirit level, Germany	200x0.02mm/m	201	
6132-150	Electornic frame spirit level, Germany	150x0.02mm/m	201	
6133-1502	Digital spirit level	50mm/m	202	
6133-G200	Digital spirit level	200x0.01mm	201	NEW
6134-150	Sprit level	150x0.02mm	199	NEW
6134-200	Sprit level	200x0.02mm	199	NEW
6134-300	Sprit level	300x0.02mm	199	NEW
6134-150M	Sprit level with magnetic	150x0.02mm	199	NEW
6134-200M	Sprit level with magnetic	200x0.02mm	199	NEW
6134-300M	Sprit level with magnetic	300x0.02mm	199	NEW
6135-150	Frame spirit level	150x150x0.02mm	199	NEW
6135-200	Frame spirit level	200x200x0.02mm	199	NEW
6135-300	Frame spirit level	300x300x0.02mm	199	NEW
6135-150M	Frame spirit level with magnetic	150x150x0.02mm	199	NEW
6135-200M	Frame spirit level with magnetic	200x200x0.02mm	199	NEW
6135-300M	Frame spirit level with magnetic	300x300x0.02mm	199	NEW
6136-150	Frame spirit level	150x150x0.1mm	200	NEW
6136-200	Frame spirit level	200x200x0.1mm	200	NEW
6136-300	Frame spirit level	300x300x0.1mm	200	NEW
6518-150B	Multifunction pen 6in1	150mm	242	NEW
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7126-1	Clamping holder	8x80mm	116	
7127-30	Magnetic base	35x30x35mm/30kg	120	
7127-40	Magnetic base	36x35x30mm/40kg	120	
7127-60	Magnetic base	60x50x55mm/60kg	120	
7127-80	Magnetic base	60x50x55mm/80kg	120	
7127-100	Magnetic base	73x50x55mm/100kg	120	
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7128-100	Universal magnetic stand	75x50x55mm/100kg	119	
7128-101	Universal magnetic stand	73x50x55mm/100kg	119	
7129-130	Universal magnetic stand	117x50x55mm/130kg	118	

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7130-20	Magnetic stand MINI type	73x37x12mm/20kg	120	
7130-21	Magnetic stand MINI type	73x37x26mm/20kg	120	
7130-30	Mini universal magnetic stand	35x30x35mm/30kg	120	
7131-80	Magnetic stand	60x50x55mm/80kg	118	
7131-100	Magnetic stand	73x50x55mm/100kg	118	
7132-80	Precision comparator stand	80x80mm	122	
7132-C80	Precision comparator stand	80x80mm	122	
7132-G150	Precision comparator stand	150x100mm	123	
7132-G210	Precision comparator stand	210x150mm	123	
7132-GF150	Granite precision measuring table	150x100x40mm	123	
7132-GF200	Granite precision measuring table	200x150x50mm	123	
7132-GF300	Granite precision measuring table	300x200x50mm	123	
7134-0325A	Concentricity gauge	3-25mm	135	NEW
7136-10	Runout tester	350x100mm-200-50mm	135	
7136-40	Runout tester	350x100mm-200-75mm	135	
7136-100	Runout tester with roller blocks	350x110mm-65mm	135	
7136-50-EP	Concentricity gauge system	1.5-50mm	136	NEW
7137-80	Hydraulic magnetic stand	60x50x55mm/80kg	118	
7137-100	Hydraulic magnetic stand	60x50x55mm/100kg	118	
7400-033-0	Precison granite surface plate	300x300x100mm/0	128	
7400-044-0	Precison granite surface plate	400x400x100mm/0	128	
7400-064-0	Precison granite surface plate	600x450x100mm/0	128	
7400-075-0	Precison granite surface plate	750x500x130mm/0	128	
7400-107-0	Precison granite surface plate	1000x750x150mm/0	128	
7400-1006-00A	Granite master square 90°	100x63x16mm	128	NEW
7400-1610-00A	Granite master square 90°	160x100x20mm	128	NEW
7400-2516-00A	Granite master square 90°	250x160x25mm	128	NEW
7400-4025-00A	Granite master square 90°	400x250x40mm	128	NEW
7400-6340-00A	Granite master square 90°	630x400x63mm	128	NEW
7400-10063-00A	Granite master square 90°	1000x630x80mm	128	NEW
7400-2020-00K	Granite master square 90°	200x200x25mm	128	NEW
7400-3030-00K	Granite master square 90°	300x300x30mm	128	NEW
7400-5050-00K	Granite master square 90°	500x500x50mm	128	NEW
7400-6363-00K	Granite master square 90°	630x630x60mm	128	NEW
7400-1006-00P	Precision pair of parallels	100x63x16mm	129	NEW
7400-1604-00P	Precision pair of parallels	160x40x25mm	129	NEW
7400-2504-00P	Precision pair of parallels	250x40x25mm	129	NEW
7400-4006-00P	Precision pair of parallels	400x63x40mm	129	NEW
7400-6310-00P	Precision pair of parallels	630x100x63mm	129	NEW
7401-600F	Stand for granite surface plates,intergarted stand		129	NEW
7401-750F	Stand for granite surface plates,intergarted stand		129	NEW
7401-1000F	Stand for granite surface plates,intergarted stand		129	NEW
7412-010	Edge finder	10x10mm	141	
7412-010S	Edge finder	10x10x4mm	141	
7412-020	Electronic edge finder	10x18mm	141	
7412-020P	Electronic edge finder	10x18mm	141	
7413-01	Electronic ZERO setting gauge	50mm	141	
7413-02M	ZERO setting gauge with magnetic base	50mm	139	
7413-20E	Digital zero setting gauge	0-2mm/50mm	140	NEW
9200-1405	Torque Wrench with Ratchet	5~25 N m	244	
9200-3820	Torque Wrench with Ratchet	20~100 N m	244	
9200-1240	Torque Wrench with Ratchet	40~200 N-m	244	
9200-1260	Torque Wrench with Ratchet	60~340 N m	244	
9201-1205	Torque Wrench with Ratchet, changeable head	5~25 N m	244	
9201-1220	Torque Wrench with Ratchet, changeable head	20~100 N m	244	
9201-1840	Torque Wrench with Ratchet, changeable head	40~200 N-m	244	
9201-1860	Torque Wrench with Ratchet, changeable head	60~340 N m	244	
9202-1405	Torque Wrench with a Readable Window	5~25 N m	243	
9202-3820	Torque Wrench with a Readable Window	20~100 N m	243	
9202-1240	Torque Wrench with a Readable Window	40~200 N m	243	
9202-1260	Torque Wrench with a Readable Window	60~340 N m	243	
9203-1210	Torque Wrench with a Readable Window, changeable head	10~50 N m	243	
9203-1220	Torque Wrench with a Readable Window, changeable head	20-100 N m	243	
9203-1840	Torque Wrench with a Readable Window, changeable head	40-200 N m	243	
9203-1860	Torque Wrench with a Readable Window, changeable head	60~340 N m	243	
9204-1225	1/2″ British Classic Torque Wrench	25~135 Nm	244	NEW
9204-1250	1/2″ British Classic Torque Wrench	50~225 Nm	244	NEW
9204-1270	1/2″ British Classic Torque Wrench	70~330 Nm	244	NEW
9210-3810	Digital Torque Wrench	10~100 N m	243	
9210-1220	Digital Torque Wrench	20~200 N m	243	
9210-1230	Digital Torque Wrench	30~340 N m	243	
9213-TG35	Tension gauge set	140-240Mpa/20-35kpsi	168	NEW
9213-030-PG	Dial tension gauge	3-30gf	168	NEW
9213-500-PG	Dial tension gauge	50-500gf	168	NEW
9214-0005P	Digital force gauge	5x0.0005N	166	NEW
9214-0010P	Digital force gauge	10x0.001N	166	NEW
9214-0020P	Digital force gauge	20x0.005N	166	NEW

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9214-0100P	Digital force gauge	100x0.01N	166	NEW
9214-0200P	Digital force gauge	200x0.05N	166	NEW
9214-0500P	Digital force gauge	500x0.05N	166	NEW
9214-1000P	Digital force gauge	1000x0.1N	166	NEW
9214-0010N	Digital force gauge	10x0.01N	166	NEW
9214-0050N	Digital force gauge	50x0.01N	166	NEW
9214-0100N	Digital force gauge	100x0.1N	166	NEW
9214-0500N	Digital force gauge	500x0.1N	166	NEW
9214-1000N	Digital force gauge	1000x1N	166	NEW
9215-010	Force gauge	10x0.05N	168	NEW
9215-020	Force gauge	20x0.1N	168	NEW
9215-030	Force gauge	30x0.2N	168	NEW
9215-050	Force gauge	50x0.2N	168	NEW
9215-100	Force gauge	100x0.5N	168	NEW
9215-200	Force gauge	200x1N	168	NEW
9215-300	Force gauge	300x2N	168	NEW
9215-500	Force gauge	500x2N	168	NEW
9216-0106E	Torque driver	0.1-0.6x0.01Nm	244	NEW
9220-9644	Double function ratchet	1/4"	245	
9220-9651	Double function ratchet	3/8"	245	
9220-9668	Double function ratchet	1/2"	245	
9500-11001	Pot magnet	21x19mm	131	NEW
9500-11002	Pot magnet	27x25mm	131	NEW
9500-11003	Pot magnet	35x30mm	131	NEW
9500-11004	Shallow pot magnet	19x8mm	131	NEW
9500-11005	Shallow pot magnet	28x9.5mm	131	NEW
9500-11006	Shallow pot magnet	38x11mm	131	NEW
9500-11007	Ferrite pot magnet	46x10.7mm	132	NEW
9500-11008	Ferrite pot magnet	56x10.7mm	132	NEW
9500-11009	Ferrite pot magnet	66x10.7mm	132	NEW
9500-12001	Button magnet	12.5x9.5mm	131	NEW
9500-12002	Button magnet	19.1x12.7mm	131	NEW
9500-12003	Button magnet	25.4x15.9mm	131	NEW
9500-14001	Magnetoc welding clamp	105x105mm	132	NEW
9500-14110	Magnetoc welding clamp	96x64x15mm	132	NEW
9500-21001	Neodymium deep pot magnet	16x16mm	131	NEW
9500-21002	Neodymium deep pot magnet	20x16mm	131	NEW
9500-30010	Magnetic retrieval pen	150-660mm	131	NEW
WP-DCA1	USB data output cable		126	
WP-DCA2	USB data output cable		126	
WP-DCA3	USB data output cable		126	
WP-DCB1	Data output cable		126	
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WP-DCB3	Data output cable		126	
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WP-2235-300-03	4pair measuring tips set		39	NEW
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WP-220-CK011	Diamagnetic probe	2x16.8	106	NEW
WP-4104-05R-DM	Diamagnetic probe	2x27.4	106	NEW
WP-4104-07R-DM	Diamagnetic probe	2x46.4	106	NEW
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WP-220-CA005	Contact point	L=15	113	
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WP-5130-05HA	Handle for pin gauge	4.00-5.00	213	NEW
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