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Pin gage sets

25



IP67 Waterproof digital calipers

02



Digital Screw Thread Micrometers

13



04/25

MEASURING TOOLS

special offer

Valid until: 31.12.2025

IP67 Waterproof digital calipers

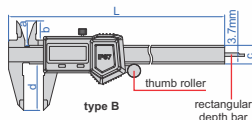
- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Button function: zero, on/off, mm/inch, ABS/REL, hold
- Battery CR2032
- Meet DIN862
- Made of stainless steel

1118-
from: **68,00**
price/pc



ATTENTION: IT IS NECESSARY TO SET ZERO AFTER POWER ON EACH TIME

ATTENTION: NO DATA OUTPUT



Code	Range mm	Accuracy mm	L mm	a mm	b mm	c mm	d mm	price/pc
1118-150B	0-150mm/0-6"	±0.03	236	21	16	16	40	68,00
1118-200B	0-200mm/0-8"	±0.03	286	24	19	16	50	115,00
1118-300B	0-300mm/0-12"	±0.03	400	25	20.5	16	60	143,00



IP67 Waterproof digital calipers

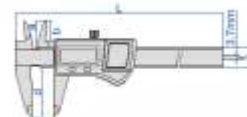
- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Button function: zero, on/off, mm/inch
- Battery CR2032
- Automatic power off
- Meet DIN862
- Made of stainless steel

1115-
from: **61,00**
price/pc



ATTENTION: NO DATA OUTPUT

IP67
WATERPROOF



Code	Range mm	Accuracy mm	L mm	a mm	b mm	c mm	d mm	price/pc
1115-150	0-150mm/0-6"	±0.03	235	20	15	16	40	61,00
1115-200	0-200mm/0-8"	±0.03	287	24	19	16	50	97,00

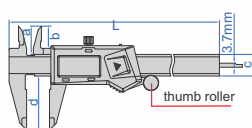
Digital calipers (standard type)

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel

1108-
from: **26,90**
price/pc



DATA
OUTPUT



Code	Range mm	Accuracy mm	L mm	a mm	b mm	c mm	d mm	price/pc
1108-150	0-150mm/0-6"	±0.02	236	21	16	16	40	26,90
1108-200	0-200mm/0-8"	±0.03	286	24	19	16	50	39,80
1108-300	0-300mm/0-12"	±0.03	400	25	20.5	16	60	71,10

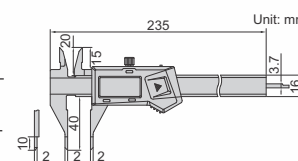
Digital small point calipers

- Non waterproof
- Small pointed jaws fit into small grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

1169-
from: **71,90**
price/pc



DATA
OUTPUT



Code	Range mm	Accuracy mm	price/pc
1169-150	0-150mm/0-6"	±0.03	71,90

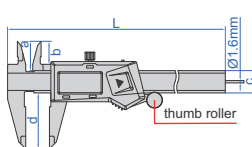
Digital calipers with round depth bar

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Meet DIN862
- Made of stainless steel

1119-
from: **34,90**
price/pc



DATA
OUTPUT



Code	Range mm	Accuracy mm	L mm	a mm	b mm	c mm	d mm	price/pc
1119-150	0-150mm/0-6"	±0.03	236	21	16	16	40	34,90

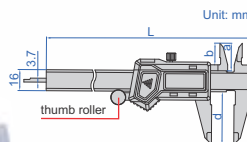
Left hand digital calipers

- Non waterproof
- Designed for left handed users
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel

1130-
from: **83,00**
price/pc



DATA
OUTPUT



Code	Range mm	Accuracy mm	L mm	a mm	b mm	d mm	price/pc
1130-150	0-150mm/0-6"	±0.03	236	21	16	40	83,00
1130-200	0-200mm/0-8"	±0.03	286	24	19	50	121,00
1130-300	0-300mm/0-12"	±0.03	400	25	20.5	60	176,00

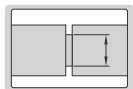
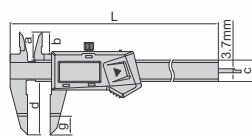
Digital blade calipers

- Non waterproof
- The blade jaws fit into small grooves
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

1188-
from: **74,00**
price/pc



DATA
OUTPUT



Code	Range mm	Accuracy mm	L mm	a mm	b mm	c mm	d mm	e mm	g mm	price/pc
1188-150A	0-150mm/0-6"	±0.03	235	21	16.5	16	40	0.85	17	74,00
1188-200A	0-200mm/0-8"	±0.03	297	24	20	16	50	0.85	17	104,00
1188-300A	0-300mm/0-12"	±0.04	390	26	21.5	16	60	1.00	17	167,00

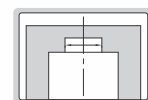
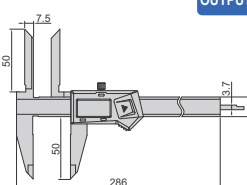
Digital calipers with long upper jaws

- Non waterproof
- Long upper jaws for measuring diameter of deep holes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

1138-
from: **260,00**
price/pc



DATA
OUTPUT

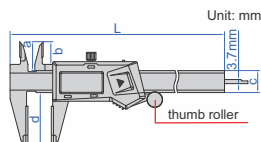
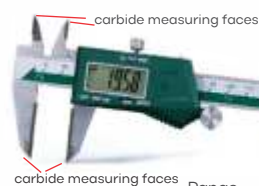


Code	Range mm	Accuracy mm	price/pc
1138-200	0-200mm/0-8"	±0.04	260,00

Digital calipers with carbide tipped jaws

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Meet DIN862
- Made of stainless steel

1110-
from: **117,00**
price/pc

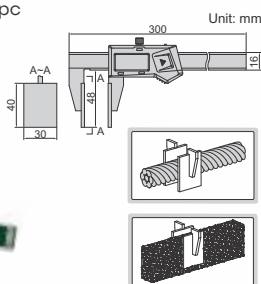


Code	Range mm	Accuracy mm	L mm	a mm	b mm	c mm	d mm	price/pc
1110-150A	0-150mm/0-6"	±0.03	236	21	16	16	40	117,00
1110-200A	0-200mm/0-8"	±0.03	286	24	19	16	50	140,00
1110-300A	0-300mm/0-12"	±0.03	400	25	20,5	16	60	193,00

Digital calipers with large measuring faces

- Non waterproof
- Measure diameter of wire ropes, and thickness of soft materials like rubber, sponge, etc.
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

1172-
from: **239,00**
price/pc

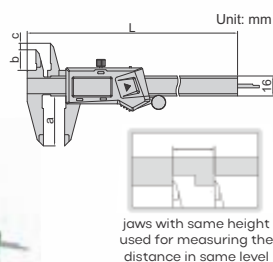


Code	Range mm	Accuracy mm	price/pc
1172-200	0-200mm/0-8"	±0.07	239,00

Digital calipers with one direction upper jaws

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel

1184-
from: **97,00**
price/pc

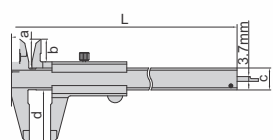


Code	Range mm	Accuracy mm	L mm	a mm	b mm	c mm	price/pc
1184-150	0-150mm/0-6"	±0.03	236	40	17	0	97,00
1184-200	0-200mm/0-8"	±0.03	286	50	20	0	127,00
1184-300	0-300mm/0-12"	±0.03	400	60	22	0	186,00

Vernier calipers

- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface

1205-
from: **17,20**
price/pc

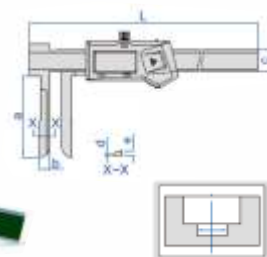


Code	Range mm	Accuracy mm	L mm	a mm	b mm	c mm	d mm	price/pc
1205-150S	0-150mm/0-6"	±0.05	235	20,5	15,5	16	40	17,20
1205-200S	0-200mm/0-8"	±0.05	290	23,5	19,0	17	50	33,50
1205-300S	0-300mm/0-12"	±0.05	414	27,5	22,0	20	64	62,80

Digital inside knife-edge calipers

- Non waterproof
- Measure diameter of deep step holes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

1123-
from: **141,00**
price/pc

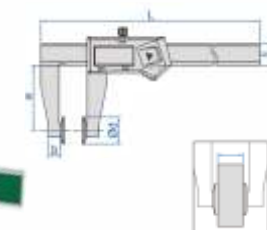


Code	Range mm	Accuracy mm	L mm	a mm	b mm	c mm	d mm	e mm	price/pc
1123-150A	15-150mm/0,6-6"	±0.05	250	60	12	16	0,3	3,5	141,00
1123-200A	20-200mm/0,8-8"	±0.06	305	100	17	16	0,3	3,5	207,00
1123-300A	24-300mm/0,9-12"	±0.06	500	150	22	24	0,5	3,5	325,00

Digital calipers with disk faces

- Non waterproof
- Measure thickness of soft sheets
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

1533-
from: **192,00**
price/pc



Code	Range mm	Accuracy mm	L mm	a mm	b mm	c mm	d mm	price/pc
1533-150	0-150mm/0-6"	±0.04	245	50	11	16	20	192,00
1533-200	0-200mm/0-8"	±0.05	310	80	11	16	30	211,00
1533-500	0-500mm/0-20"	±0.07	680	150	12,5	24	50	709,00

Digital outside groove calipers

- Non waterproof
- Measure grooves and recesses in small spaces
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

1535-
from: **139,90**
price/pc

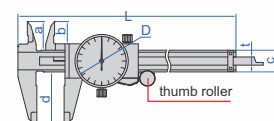


Code	Range mm	Accuracy mm	price/pc
1535-100	0-100mm/0-4"	±0.03	139,90

Dial calipers

- Shockproof dial indicator
- Made of stainless steel

1312-
from: **36,30**
price/pc

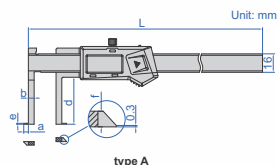


Dial indicator graduation: 0.02mm

Code	Range mm	Accuracy mm	L mm	a mm	b mm	c mm	d mm	D mm	t mm	price/pc
1312-150A	0-150	±0.03	235	21	16,5	16	40	Ø39	6,5	36,30
1312-200A	0-200	±0.03	288	24	19,0	16	48	Ø39	6,5	51,90
1312-300A	0-300	±0.03	410	28	22,0	20	62	Ø44,5	7,5	91,80

Digital inside groove calipers

- Measure diameter of grooves inside small bores
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, set, mm/inch, preset (+, -)
- Battery CR2032
- Made of stainless steel



1520-
from: **108,00**
price/pc

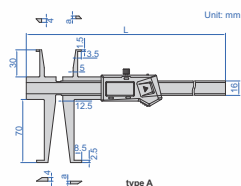
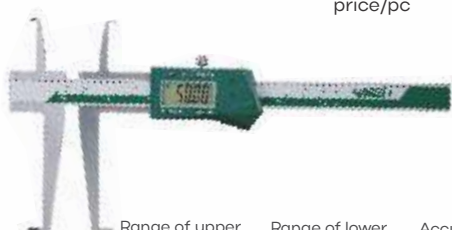


Code	Range mm	Accuracy mm	L mm	a mm	b mm	d mm	e mm	f mm	price/pc
1520-150	11-150mm/0.43-6"	±0.04	236	3,5	5	41	1	2,5	108,00
1520-200	16-200mm/0.63-8"	±0.04	285	5	7	41	1	3	162,00
1520-300	20-300mm/0.79-12"	±0.05	398	7,5	9	62	2	4	249,00

Digital inside groove calipers

- Measure diameter of grooves inside bores
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, set, mm/inch, preset (+, -)
- Battery CR2032
- Made of stainless steel

1176-
from: **160,00**
price/pc



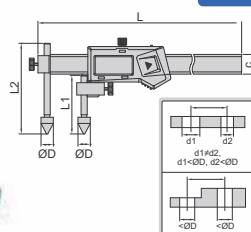
(mm)	D1	L1
Ø9	<8	
Ø10	<15	
Ø11-200	<30	

Code	Range of upper jaw mm	Range of lower jaw mm	Accuracy mm	Type	L mm	a mm	price/pc
1176-150	9-150mm/0.35-6"	17-150mm/0.70-6"	±0.04mm	A	260	3	160,00
1176-200	9-200mm/0.35-8"	17-200mm/0.70-8"	±0.05mm	A	320	3,5	220,00

Digital offset centerline calipers

- Non waterproof
- Measure hole center distance in the same or offset planes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

1192-
from: **180,00**
price/pc

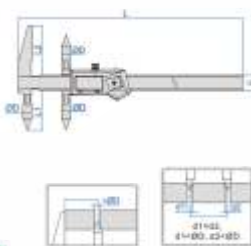


Code	Range mm	Accuracy mm	c mm	ØD mm	L1 mm	L2 mm	L mm	price/pc
1192-150A	10-150mm/0.4-6"	±0.05	16	10	46	79	236	180,00
1192-200A	10-200mm/0.4-8"	±0.07	16	10	46	79	286	219,00
1192-300A	10-300mm/0.4-12"	±0.09	16	10	46	79	396	256,00
1192-500A	20-500mm/0.8-20"	±0.09	24	20	52	112	725	549,00
1192-1000A	30-1000mm/1.2-40"	±0.12	31	30	75	120	1760	945,00

Digital centerline and edge to center calipers

- Non waterproof
- Measure hole center distance or edge to hole center distance
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

1525-
from: **295,00**
price/pc

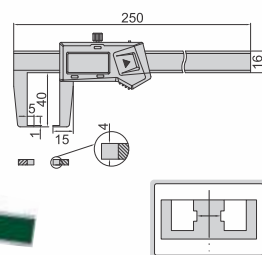


Code	Range mm	Accuracy mm	ØD mm	L1 mm	L2 mm	c mm	L mm	price/pc
1525-300	5-300mm/0.2-12"	±0.08	10	44,5	55	17	410	295,00
1525-3001	10-300mm/0.4-12"	±0.08	20	48,0	60	17	410	366,00
1525-500	10-500mm/0.4-20"	±0.09	20	50,0	60	24	690	790,00
1525-1000	15-1000mm/0.6-40"	±0.12	30	70,0	81	31	1255	1.190,00

Digital outside neck calipers

- Non waterproof
- Measure grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

1187-
from: **96,00**
price/pc

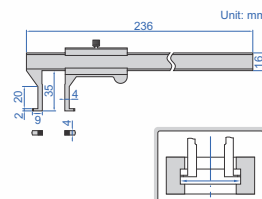


Code	Range mm	Accuracy mm	L mm	a mm	b mm	c mm	d mm	e mm	price/pc
1187-150A	0-150mm/0-6"	±0.04	250	5	1	40	15	16	96,00
1187-200A	0-200mm/0-8"	±0.05	310	9	1,5	80	23	16	229,00
1187-300A	0-300mm/0-12"	±0.06	490	12	2	150	36	24	289,00

Inside groove vernier caliper

- Measure diameter of grooves inside bores
- Made of stainless steel
- Satin chrome plated reading surface

1262-
from: **116,00**
price/pc

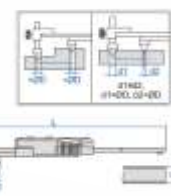


Code	Range mm	Accuracy mm	Graduation mm	price/pc
1262-150A	18-150	±0.04	0,02	116,00

Digital back-jaw centerline calipers

- Non waterproof
- Measure hole center distance in the same or offset planes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

1177-
from: **219,00**
price/pc

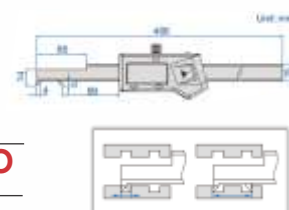


Code	Range mm	Accuracy mm	ØD mm	c mm	L1 mm	L2 mm	L mm	price/pc
1177-200	10-200mm/0.4-8"	±0.10	10	16	18	45	310	219,00
1177-300	10-300mm/0.4-12"	±0.10	10	16	18	45	410	268,00
1177-500	20-500mm/0.8-20"	±0.10	20	24	26	70	692	639,00

Digital hook calipers

- Non waterproof
- Measure width and distance of grooves inside bores
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

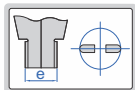
1122-
from: **270,00**
price/pc



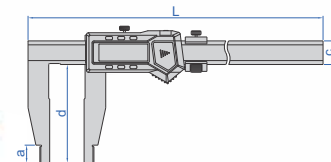
Code	Range mm	Accuracy mm	price/pc
1122-300	4-300mm/0.16-12"	±0.04	270,00

Digital calipers

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Made of stainless steel



1106-
from: **174,00**
price/pc



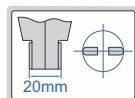
With data interface

Code	Range mm	Accuracy mm	a mm	c mm	d mm	e mm	L mm	price/pc
1106-301	0-300mm/0-12"	±0.05	18	24	100	20	420	194,00
1106-302	0-300mm/0-12"	±0.05	18	24	150	20	420	216,00
1106-451	0-450mm/0-18"	±0.05	18	24	100	20	625	229,00
1106-501	0-500mm/0-20"	±0.05	18	24	100	20	675	174,00
1106-502	0-500mm/0-20"	±0.06	18	24	150	20	675	290,00
1106-503	0-500mm/0-20"	±0.06	24	31	200	20	675	382,00
1106-505	0-500mm/0-20"	±0.08	24	42	300	20	675	555,00
1106-601	0-600mm/0-24"	±0.05	18	24	100	20	770	227,00
1106-602	0-600mm/0-24"	±0.06	18	24	150	20	770	398,00
1106-603	0-600mm/0-24"	±0.06	24	31	200	20	770	488,00

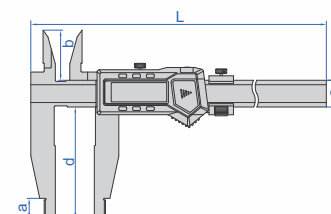
Code	Range mm	Accuracy mm	a mm	c mm	d mm	e mm	L mm	price/pc
1106-802	0-800mm/0-32"	±0.07	24	31	150	20	1025	474,00
1106-1002	0-1000mm/0-40"	±0.08	24	31	150	20	1220	530,00
1106-1003	0-1000mm/0-40"	±0.08	24	31	200	20	1220	870,00
1106-1005	0-1000mm/0-40"	±0.10	24	42	300	20	1220	1.220,00
1106-1502	0-1500mm/0-60"	±0.11	24	42	150	20	1780	1.180,00
1106-1503	0-1500mm/0-60"	±0.12	24	42	200	20	1780	1.390,00
1106-2002	0-2000mm/0-80"	±0.14	24	42	150	20	2290	1.750,00
1106-2003	0-2000mm/0-80"	±0.14	24	42	200	20	2290	1.999,00
1106-2502	0-2500mm/0-100"	±0.22	24	42	150	20	2800	2.999,00
1106-3002	0-3000mm/0-120"	±0.26	24	42	150	20	3300	4.690,00

Digital calipers

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Made of stainless steel

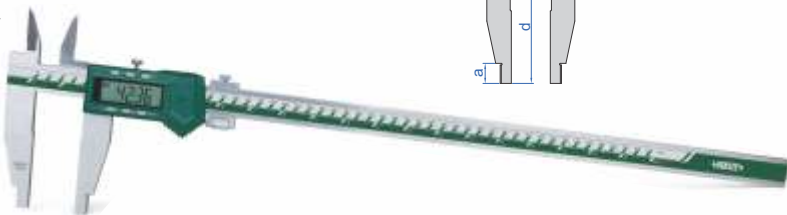


1136-
from: **219,00**
price/pc



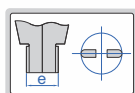
With data interface

Code	Range mm	Accuracy mm	a mm	b mm	c mm	d mm	L mm	price/pc
1136-301	0-300mm/0-12"	±0.05	18	45	24	100	420	229,00
1136-451	0-450mm/0-18"	±0.05	18	45	24	100	625	290,00
1136-501	0-500mm/0-20"	±0.05	18	45	24	100	675	219,00
1136-502	0-500mm/0-20"	±0.06	18	45	24	150	675	332,00
1136-503	0-500mm/0-20"	±0.06	24	60	31	200	675	425,00
1136-601	0-600mm/0-24"	±0.05	18	45	24	100	770	288,00
1136-1002	0-1000mm/0-40"	±0.08	24	60	31	150	1220	640,00
1136-1502	0-1500mm/0-60"	±0.11	24	60	42	150	1780	1.360,00
1136-2002	0-2000mm/0-80"	±0.14	24	60	42	150	2290	1.999,00



Vernier calipers (separate type)

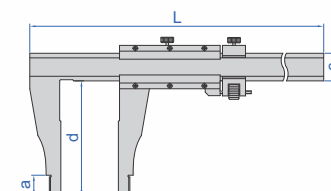
- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



separate type
(with screws)



1214-
from: **107,00**
price/pc



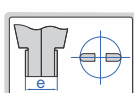
Graduation 0.02mm/0.001"

Code	Range mm	Accuracy mm	a mm	c mm	d mm	e mm	L mm	price/pc
1214-300	0-300mm/0-12"	±0.05	10	20	75	10	410	107,00
1214-450	0-450mm/0-18"	±0.05	18	24	100	20	620	139,00
1214-500	0-500mm/0-20"	±0.05	18	24	100	20	670	145,00
1214-600	0-600mm/0-24"	±0.05	18	24	100	20	770	149,00
1214-1000	0-1000mm/0-40"	±0.08	24	32	140	20	1216	430,00
1214-1500	0-1500mm/0-60"	±0.12	24	42	200	20	1830	1.199,00
1214-2000	0-2000mm/0-80"	±0.14	24	42	200	20	2320	1.530,00



Long jaw vernier calipers (separate type)

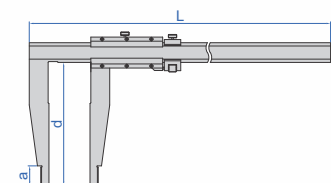
- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



separate type
(with screws)



1215-
from: **104,00**
price/pc



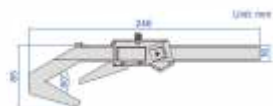
Graduation 0.02mm/0.001"

Code	Range mm	Accuracy mm	a mm	c mm	d mm	e mm	L mm	price/pc
1215-392	0-300mm/0-12"	±0.05	10	17	90	10	410	104,00
1215-322	0-300mm/0-12"	±0.05	18	24	150	20	470	150,00
1215-522	0-500mm/0-20"	±0.06	18	24	150	20	670	196,00
1215-532	0-500mm/0-20"	±0.06	18	24	200	20	670	251,00
1215-622	0-600mm/0-24"	±0.06	18	24	150	20	770	214,00
1215-642	0-600mm/0-24"	±0.08	24	32	250	20	870	463,00
1215-822	0-800mm/0-32"	±0.07	24	32	150	20	1020	395,00
1215-832	0-800mm/0-32"	±0.07	24	32	200	20	1020	467,00
1215-1032	0-1000mm/0-40"	±0.08	24	32	200	20	1220	560,00
1215-1052	0-1000mm/0-40"	±0.11	24	42	300	20	1330	845,00
1215-3052	0-3000mm/0-120"	±0.26	24	50	300	20	3360	3.990,00



Digital V shape caliper

- Non waterproof
- Measure outside diameter of three number of flutes (such as taps, reamers, end mills and gears)
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Battery CR2032
- Automatic power off, move the digital unit to turn on power
- Data output
- Made of stainless steel



ATTENTION: ACTUAL DIAMETER IS 2/3 OF THE READING

1539-
195,00
price/pc



Code	Range mm	Accuracy mm	price/pc
1539-3	ø4-ø40mm/0,16"-1.58" DIA	±0.03	195,00

V shape vernier caliper

- Measure outside diameter of three number of flutes (such as taps, reamers, end mills and gears)
- Made of stainless steel
- Satin chrome plated reading surface



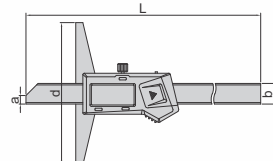
1273-
75,00
price/pc



Code	Range mm	Graduation mm	Accuracy mm	price/pc
1273-403	ø4-40	0.05	±0.05	75,00

Digital depth gages (standard type)

- Non waterproof
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862 (except 0-500mm/0-20", 0-1000mm/0-40", 0-1500mm/0-60")
- Battery CR2032
- Made of stainless steel



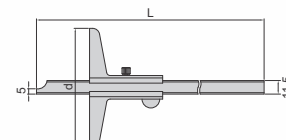
1141-
from: **45,00**
price/pc



Code	Range mm	Accuracy mm	Resolution mm	L mm	a mm	b mm	d mm	price/pc
1141-150A	0-150mm/0-6"	±0.03	0,01/0,0005"	230	6	14,5	100	45,00
1141-200A	0-200mm/0-8"	±0.03	0,01/0,0005"	280	6	14,5	100	55,00
1141-300A	0-300mm/0-12"	±0.03	0,01/0,0005"	380	6	14,5	150	116,00
1141-500A	0-500mm/0-20"	±0.05	0,01/0,0005"	585	7	15,0	150	243,00

Vernier depth gages (standard type)

- Made of stainless steel
- Satin chrome plated reading surface



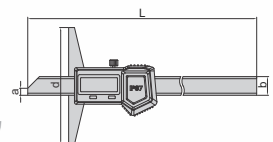
1240-
from: **29,00**
price/pc



Code	Range mm	Accuracy mm	L mm	d mm	price/pc
1240-150	0-150	±0.05	245	100	29,00
1240-200	0-200	±0.05	282	100	31,60
1240-300	0-300	±0.08	382	100	40,50

IP67 waterproof digital depth gages

- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Button function: zero, on/off, mm/inch, ABS/REL, hold
- Meet DIN862
- Battery CR2032
- Made of stainless steel



1149-
from: **135,00**
price/pc

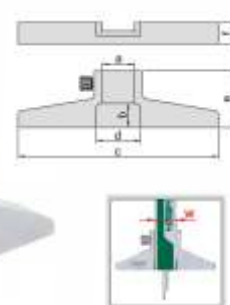


Code	Range mm	Accuracy mm	L mm	a mm	b mm	d mm	price/pc
1149-150	0-150mm/0-6"	±0.03	240	6	16	100	135,00
1149-200	0-200mm/0-8"	±0.03	290	6	16	100	184,00
1149-300	0-300mm/0-12"	±0.03	390	6	16	150	239,00

Depth base attachments

- To increase the stability of depth measurement
- Suitable for digital calipers and dial calipers
- Made of stainless steel

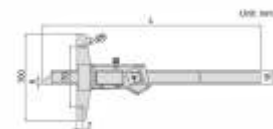
6140-
from: **21,00**
price/pc



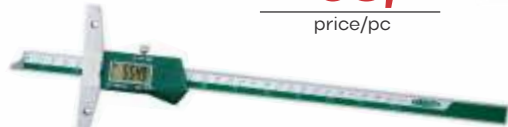
Code	Type	a mm	b mm	c mm	d mm	e mm	f mm	price/pc
6140-300A	narrow base (f=9)	20	15	125	22	34	9	33,50
6140-16B	wide base (f=11), high stability	16	12,5	75	24,5	30	11	21,00
6140-300B	wide base (f=13), high stability	20	15	125	28	35	13	45,70

Digital depth gages with mounting holes for extension base

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862
- Battery CR2032
- Made of stainless steel



1147-
from: **68,00**
price/pc



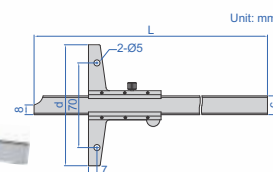
Code	Range mm	Accuracy mm	L mm	price/pc
1147-150	0-150mm/0-6"	±0.03	237	68,00
1147-200	0-200mm/0-8"	±0.03	287	85,00
1147-300	0-300mm/0-12"	±0.03	403	153,00
1147-500	0-500mm/0-20"	±0.05	605	275,00

Vernier depth gages

- Made of stainless steel
- Satin chrome plating finish on reading surface

WITH MOUNTING HOLES FOR EXTENSION BASE

1247-
from: **34,50**
price/pc

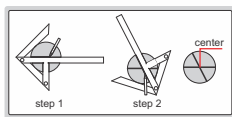


Code	Range mm	Accuracy mm	price/pc
1247-150	0-150	±0.05	34,50
1247-200	0-200	±0.05	40,90
1247-300	0-300	±0.08	50,40
1247-600	0-600	±0.10	259,00
1247-1000	0-1000	±0.15	479,00

Center marking gages

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

7205-
from: **40,60**
price/pc

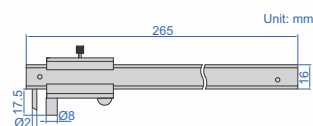


Code	Size (AxB) mm	Diameter of shafts Ød mm	Accuracy mm	C mm	L mm	price/pc
7205-100	100x70	4-90	±0.15	12	153	41,20
7205-150	150x130	4-190	±0.15	15	245	40,60
7205-200	200x150	6-220	±0.15	15	310	51,30
7205-300	300x180	6-270	±0.15	20	435	90,90



Scribing caliper

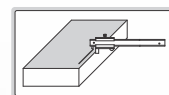
- Made of stainless steel
- Satin chrome plated reading surface
- Carbide scriber tip



7202-
37,90
price/pc



the position of scriber tip can be adjusted



Code	Range mm	Graduation mm	Accuracy mm	price/pc
7202-200A	0-200mm/0-8"	0.1mm, 1/128"	±0.1	37,90

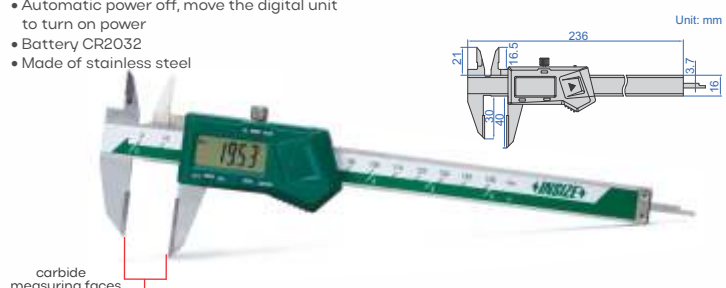
Digital scribing calipers

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

1166-
123,30
price/pc



DATA
OUTPUT

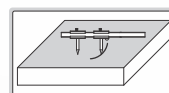
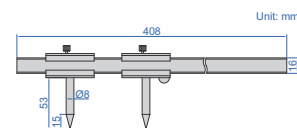


Code	Range mm	Accuracy mm	price/pc
1166-150A	0-150mm/0-6"	±0.03	123,30

Scribing caliper

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

7203-
164,70
price/pc



Code	Range mm	Graduation mm	Accuracy mm	price/pc
7203-300A	51-300	0,1	±0.1	164,70

4-piece measuring tool sets

Includes:

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

5041-
from: **71,10**
price/set



Code	Remark	price/set
5041	vernier caliper, graduation 0.05mm/1/128" (code 1205-150S)	71,10
5041-2	vernier caliper, graduation 0.02mm/0.001" (code 1205-1502S)	81,50

4-piece measuring tool sets

Includes:

- 1) Digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005", with thumb roller (code 1108-150) for 5042, without thumb roller (code 1108-150W) for 5042-W
- 2) Outside micrometer, range 0-25mm, graduation 0.01mm (code 3202-25A)
- 3) 90° beveled edge square, 100x70mm, grade 0 (code 4790-1000)
- 4) Steel rule, 150mm/6" (code 7110-150)

5042-
from: **82,20**
price/set



Code	Remark	price/set
5042	digital caliper, with thumb roller, code 1108-150	86,70
5042-W	digital caliper, without thumb roller, code 1108-150W	82,20

6-piece measuring tool sets

Includes:

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

5063-
from: **97,70**
price/set



Code	Remark	price/set
5063	vernier caliper, graduation 0.05mm/1/128" (code 1205-150S)	97,70
5063-2	vernier caliper, graduation 0.02mm/0.001" (code 1205-1502S)	110,50

13-piece measuring tool sets

Includes:

- 1) Digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.0005", with thumb roller (code 1108-150) for 5013, without thumb roller (code 1108-150W) for 5013-W
- 2) Outside micrometer, range 0-25mm, graduation 0.01mm (code 3202-25A)
- 3) Dial indicator, range 10mm, graduation 0.01mm (code 2308-10A)
- 4) Magnetic stand (code 6201-60)
- 5) Protractor, range 0-180°, graduation 1° (code 4799-180)
- 6) Pitch gauge, range 0.25-7mm, 24pcs, metric 60° thread (code 4820-124)
- 7) Radius gauge, range 1-7mm (code 4801-17)
- 8) Feeler gauge, range 0.05-100mm, 20pcs (code 4602-20)
- 9) 90° beveled edge square, 100x70mm, grade 0 (code 4790-1000)
- 10) Scriber (code 7230)
- 11) Steel rule, 150mm/6" (code 7110-150)
- 12) Depth base attachment (code 6140)
- 13) Zero setting bar for depth base attachment



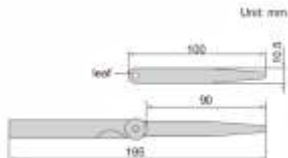
5013-
from: **181,90**
price/set



Code	Remark	price/set
5013	digital caliper, with thumb roller, code 1108-150	185,30
5013-W	digital caliper, without thumb roller, code 1108-150W	181,90

Feeler gages

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

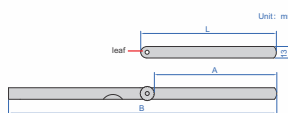


4602-
from: **2,80**
price/pc

Code	Range mm	Thickness of leaves included mm	Quantity of leaves	price/pc
4602-13A	0,03-0,50	0,03, 0,04, 0,05, 0,06, 0,07, 0,08, 0,09, 0,10, 0,15, 0,20, 0,30, 0,40, 0,50	13	4,60
4602-13	0,05-1,00	0,05, 0,10, 0,15, 0,20, 0,25, 0,30, 0,40, 0,50, 0,60, 0,70, 0,80, 0,90, 1,00	13	2,80
4602-17	0,02-1,00	0,02, 0,03, 0,04, 0,05, 0,06, 0,07, 0,08, 0,09, 0,10, 0,15, 0,20, 0,25, 0,30, 0,40, 0,50, 0,75, 1,00	17	4,80
4602-20	0,05-1,00	0,05, 0,10, 0,15, 0,20, 0,25, 0,30, 0,35, 0,40, 0,45, 0,50, 0,55, 0,60, 0,65, 0,70, 0,75, 0,80, 0,85, 0,90, 0,95, 1,00	20	4,40
4602-28	0,05-1,00	0,05, 0,06, 0,07, 0,08, 0,09, 0,10, 0,11, 0,12, 0,13, 0,14, 0,15, 0,20, 0,25, 0,30, 0,35, 0,40, 0,45, 0,50, 0,55, 0,60, 0,65, 0,70, 0,75, 0,80, 0,85, 0,90, 0,95, 1,00	28	7,30
4602-32	0,03-1,00	0,03, 0,04, 0,05, 0,06, 0,07, 0,08, 0,09, 0,10, 0,13, 0,15, 0,18, 0,20, 0,23, 0,25, 0,28, 0,30, 0,33, 0,35, 0,38, 0,40, 0,45, 0,50, 0,55, 0,60, 0,63, 0,65, 0,70, 0,75, 0,80, 0,85, 0,90, 1,00	32	7,50

Long feeler gages

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

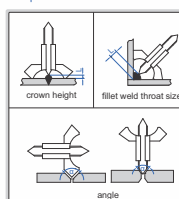
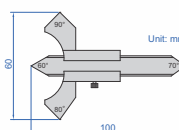


4605-
from: **6,90**
price/pc

Code	Range mm	Thickness of leaves included mm	Quantity of leaves	L mm	A mm	B mm	price/pc
4605-13	0,05-1,00	0,05, 0,10, 0,15, 0,20, 0,25, 0,30, 0,40, 0,50, 0,60, 0,70, 0,80, 0,90, 1,00	13	150	135	295	6,90
4605-131	0,05-1,00	0,30, 0,40, 0,50, 0,60, 0,70, 0,80, 0,90, 1,00	13	200	185	395	8,00
4605-132	0,05-1,00	0,80, 0,90, 1,00	13	300	285	590	11,40
4605-20	0,05-1,00	0,05, 0,10, 0,15, 0,20, 0,25, 0,30, 0,35, 0,40, 0,45, 0,50, 0,55, 0,60, 0,65, 0,70, 0,75, 0,80, 0,85, 0,90, 0,95, 1,00	20	150	135	295	9,00
4605-201	0,05-1,00	0,40, 0,45, 0,50, 0,55, 0,60, 0,65, 0,70, 0,75, 0,80, 0,85, 0,90, 0,95, 1,00	20	200	185	395	10,60
4605-202	0,05-1,00	0,75, 0,80, 0,85, 0,90, 0,95, 1,00	20	300	285	590	15,70

Welding gage

- Made of stainless steel
- Satin chrome plated reading surface

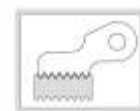


Code	Measurement	Range mm	Graduation mm	Accuracy mm	price/pc
4830	crown height	0-8	0,1	$\pm 0,1$	23,40
	fillet weld throat size	0-20	0,1	$\pm 0,3$	
	angle	60°, 70°, 80°, 90°	-	$\pm 1^\circ$	



Pitch gages

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



4820-
from: **7,40**
price/pc



Metric 60° screw

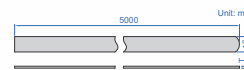
Code	Range mm	Pitch of leaves included (mm)	Quantity of leaves	price/pc
4820-122	0,4-7,0	0,4, 0,5, 0,6, 0,7, 0,75, 0,8, 0,9, 1, 1,25, 1,5, 1,75, 2, 2,5, 3, 3,5, 4, 4,5, 5, 5,5, 6, 6,5, 7	22	9,10
4820-124	0,25-7,0	0,25, 0,3, 0,35, 0,4, 0,5, 0,7, 0,75, 0,8, 0,9, 1, 1,25, 1,5, 1,75, 2, 2,5, 3, 3,5, 4, 4,5, 5, 5,5, 6, 6,5, 7	24	7,70
4820-1241	0,25-6,0	0,25, 0,3, 0,35, 0,4, 0,45, 0,5, 0,6, 0,7, 0,75, 0,8, 0,9, 1, 1,25, 1,5, 1,75, 2, 2,5, 3, 3,5, 4, 4,5, 5, 5,5, 6	24	8,00

Metric 60° and Whitworth 55° screw

Code	Range mm	Pitch of leaves included mm/TPI	Quantity of leaves	price/pc
4820-452	0,25-6,0	0,25, 0,3, 0,35, 0,4, 0,45, 0,5, 0,6, 0,7, 0,75, 0,8, 0,9, 1, 1,25, 1,5, 1,75, 2, 2,5, 3, 3,5, 4, 4,5, 5, 5,5, 6	52	7,40
	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, 62		
4820-450	0,4-7,0	0,4, 0,5, 0,6, 0,7, 0,75, 0,8, 0,9, 1, 1,25, 1,5, 1,75, 2, 2,5, 3, 3,5, 4, 4,5, 5, 5,5, 6, 6,5, 7	50	9,60
	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, 62		

Feeler gage tapes

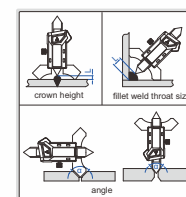
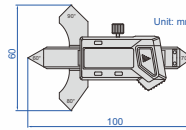
- Used as shims to accurately set spacing
- Made of hardened alloy steel
- Length 5m
- Width 13mm



4621-
from: **6,10**
price/pc

Code	Thickness (T) mm	Accuracy μm	price/pc
4621-02	0,02	± 4	10,30
4621-03	0,03	± 4	8,10
4621-04	0,04	± 4	8,20
4621-05	0,05	± 4	6,10
4621-06	0,06	± 4	6,10
4621-07	0,07	± 5	6,20
4621-08	0,08	± 5	6,20
4621-09	0,09	± 5	6,20
4621-10	0,10	± 5	6,10
4621-12	0,12	± 5	7,30
4621-15	0,15	± 6	6,20
4621-18	0,18	± 7	7,30
4621-20	0,20	± 8	6,30
4621-25	0,25	± 9	6,80
4621-30	0,30	± 9	9,60

ATTENTION:
NO DATA OUTPUT



Digital welding gage

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

4831-20A
from: **65,00**
price/pc



Code	Measurement	Range mm	Resolution mm	Accuracy mm	price/pc
4831-20A	crown height	0-7	0,01/0,0005"	$\pm 0,03$	65,00
	fillet weld throat size	0-20	0,01/0,0005"	$\pm 0,1$	
	angle	60°, 70°, 80°, 90°	-	$\pm 1^\circ$	

Universal protractor

- Parallax-free reading
- Made of stainless steel



Code	Range	Graduation	Accuracy	price/pc
2372-360	0-360°	5'	±5"	75,00

Granite squares

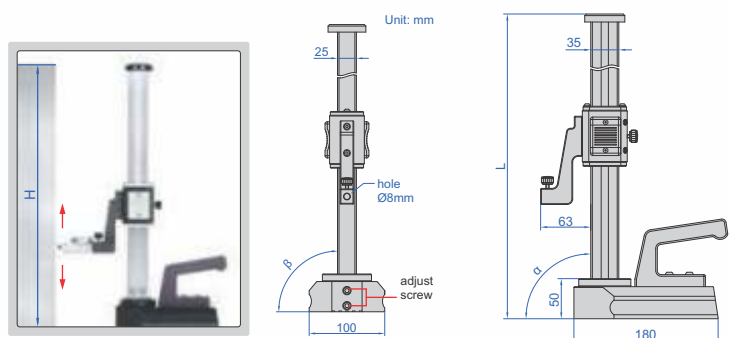
CUSTOM-MADE
SUPPLY SPECIAL SIZES ACCORDING
TO CUSTOMER'S REQUEST



Code	Size (HxW) mm	Flatness of A μm	Flatness of B μm	Squareness of A to B μm	D mm	price/pc
4141-250	250x160	1	1	2	25	304,20
4141-400	400x250	1,5	1	3	40	428,40
4141-630	630x400	2	1,5	4	63	906,30
4141-400B	400x250	1,5	1	3	40	1050,30

Perpendicularity testers

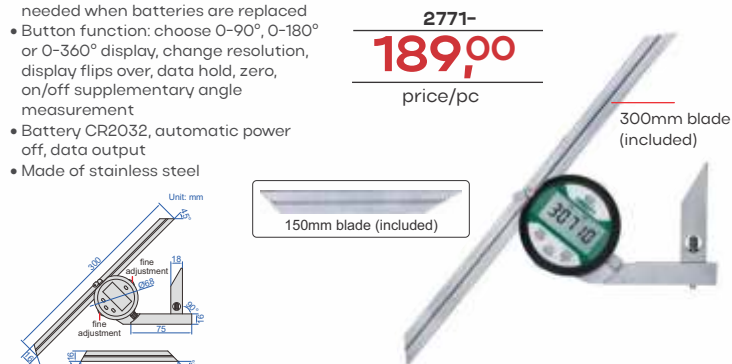
- Optional accessory: dial test indicators (graduation: 1μm or 2μm)



Code	Range (H) mm	Perpendicularity (α) μm	Side perpendicularity (β) μm	L mm	price/pc
4770-300	0-300	3	10	460	2.377,80
4770-600	0-600	5	20	760	4.848,30

Digital protractor

- Absolute zero, zero setting is not needed when batteries are replaced
- Button function: choose 0-90°, 0-180° or 0-360° display, change resolution, display flips over, data hold, zero, on/off supplementary angle measurement
- Battery CR2032, automatic power off, data output
- Made of stainless steel



Code	Range	Resolution	Accuracy	price/pc
2771-360	3-360°	1'/0,01°	±5'	189,00

Cylinder squares

- Made of special alloy steel, hardness HRC58-60
- The handle can be removed



Code	Length (L) mm	Squareness μm	price/pc
4710-200	200	1	1.336,50

Frame levels

- No need to set zero before use
- Three V-grooves for shafts (shafts dia. 19,3-115,9mm)
- With longitudinal vial



Code / Sensitivity 0,02mm/m (=0,001°)	price/pc	Code / Sensitivity 0,1mm/m (=0,0057°)	price/pc	Size (LxL) mm
4906-150	537,60	4906-B150	382,80	150x150
4906-200	670,50	4906-B200	474,30	200x200
4906-300	975,90	4906-B300	802,50	300x300

Block levels

- V-groove on bottom for shafts (shafts dia. 15-68mm)
- With transverse vial



Code / Sensitivity 0,02mm/m (=0,001°)	Code / Sensitivity 0,05mm/m (=0,0029°)	Length (L) mm	price/pc
4903-150A	4903-C150	150	115,20
4903-200A	4903-C200	200	124,00
4903-300A	4903-C300	300	154,00

Digital tubular inside micrometers

- Micrometer head: 150-175mm
- Graduation: 0.001mm/0.00005"
- Accuracy: $(3+n+L/50)\mu\text{m}$; n=number of rods; L=maximum measuring length (mm)
- Carbide measuring faces
- The diameter of extension rods is 22mm
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Supplied with setting standards

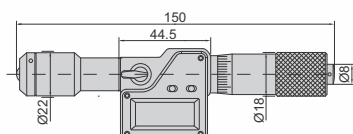


IP65
WATERPROOF

DATA
OUTPUT

3521-
from: **270,90**
price/pc

IP65



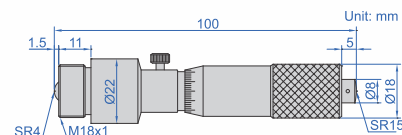
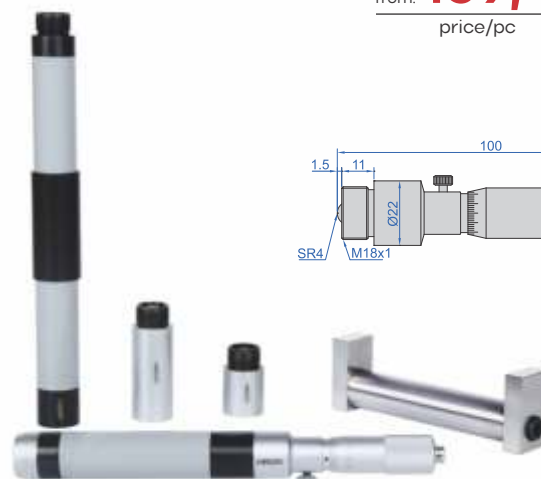
Code	Range mm	Travel of micrometer head mm	Extension rods mm	price/pc
3521-175	150-175	25	-	270,90
3521-1000	150-1000	25	25, 50 (2 pcs), 100, 200, 400	588,60
3521-1500	150-1500	25	25, 50 (2 pcs), 100 (2 pcs), 200, 400 (2 pcs)	866,70
3521-2000	150-2000	25	25, 50 (2 pcs), 100, 200 (2 pcs), 400 (3 pcs)	992,70

Tubular inside micrometers



- Micrometer head: 100-125mm
- Graduation 0.01mm
- Accuracy: $(3+n+L/50)\mu\text{m}$; n=number of rods; L=maximum measuring length (mm)
- Travel of micrometer head 25mm
- Supplied with setting standards
- Carbide measuring faces

3225-
from: **159,30**
price/pc



Code	Range mm	Extension rods	price/pc
3225-125	100-125	-	159,30
3225-500	100-500	25mm, 50mm, 100mm, 200mm	486,00
3225-900	100-900	25mm, 50mm, 100mm, 200mm, 400mm	577,80
3225-1300	100-1300	25mm, 50mm, 100mm, 200mm, 400mm (2 pcs)	687,60
3225-1700	100-1700	25mm, 50mm, 100mm, 200mm, 400mm (3 pcs)	467,10
3225-2100	100-2100	25mm, 50mm, 100mm, 200mm, 400mm (4 pcs)	286,20

Inside micrometers (economic type)

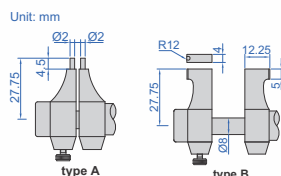
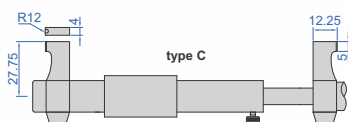
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces



3220-
from: **57,30**
price/pc

ATTENTION: LOW PARALLELISM
OF TWO MEASURING FACES

micrometer stand
with clamp (optional)



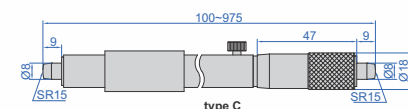
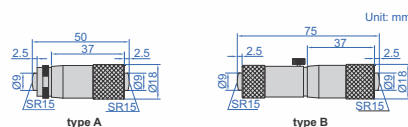
Code	Range mm	Type	Setting ring mm	Accuracy μm	price/pc
3220-30	5-30	A	5 (included)	7	57,30
3220-50	25-50	B	25 (included)	8	61,80
3220-75	50-75	B	50 (optional)	9	72,50
3220-100	75-100	C	75 (optional)	10	81,40



Tubular inside micrometers

- Micrometers up to 500mm meet DIN863-4
- Graduation 0.01mm
- Carbide measuring faces

3229-
from: **37,70**
price/pc



Code	Range mm	Type	Accuracy μm	price/pc
3229-75	50-75	A	5	43,70
3229-100	75-100	B	5	37,70
3229-125	100-125	C	6	42,40
3229-150	125-150	C	6	46,90
3229-175	150-175	C	7	50,40
3229-200	175-200	C	7	54,00
3229-225	200-225	C	8	59,70
3229-250	225-250	C	8	63,40
3229-275	250-275	C	9	68,80
3229-300	275-300	C	9	73,10
3229-325	300-325	C	9	84,30
3229-350	325-350	C	9	83,50
3229-375	350-375	C	10	91,80
3229-400	375-400	C	10	97,20

Code	Range mm	Type	Accuracy μm	price/pc
3229-425	400-425	C	10	112,50
3229-450	425-450	C	10	117,00
3229-475	450-475	C	11	123,30
3229-500	475-500	C	11	117,90
3229-525	500-525	C	11	125,10
3229-550	525-550	C	11	127,80
3229-575	550-575	C	11	139,50
3229-600	575-600	C	12	141,30
3229-625	600-625	C	12	145,80
3229-650	625-650	C	12	150,30
3229-675	650-675	C	13	152,10
3229-700	675-700	C	13	156,60
3229-725	700-725	C	13	177,30
3229-750	725-750	C	14	177,30

Code	Range mm	Type	Accuracy μm	price/pc
3229-775	750-775	C	14	176,40
3229-800	775-800	C	14	184,50
3229-825	800-825	C	15	187,20
3229-850	825-850	C	15	193,50
3229-875	850-875	C	15	194,40
3229-900	875-900	C	16	196,20
3229-925	900-925	C	16	197,10
3229-950	925-950	C	16	205,20
3229-975	950-975	C	17	207,90
3229-1000	975-1000	C	17	193,50
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Outside micrometers

- Graduation: metric 0.01mm, inch 0.0001"
- Carbide measuring faces
- Meet DIN863-1
- Supplied with setting standards (except 0-25mm and 0-1")

3203-
from: **15,40**
price/pc



3203-25A

Metric (ratchet stop type)

Code	Range mm	Accuracy μ m	L mm	a mm	b mm	price/pc
3203-25A	0-25	± 2	32	9	28	15,40
3203-50A	25-50	± 2	57	14	38	19,70
3203-75A	50-75	± 2	82	15	49	27,00
3203-100A	75-100	± 3	107	15	60	29,00
3203-125A	100-125	± 3	133	16,5	73	39,50
3203-150A	125-150	± 3	158	16,5	85	45,30
3203-175A	150-175	± 4	183	19,4	104	56,40
3203-200A	175-200	± 4	209	19,4	117	58,10
3203-225A	200-225	± 4	234	19,4	130	64,50
3203-250A	225-250	± 5	260	19,4	142	74,40
3203-275A	250-275	± 5	285	19,4	155	82,80
3203-300A	275-300	± 5	310	19,4	168	87,90

3203-
from: **73,00**
price/set



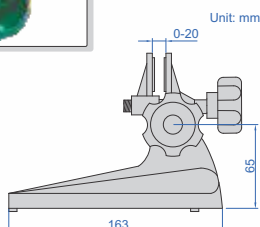
3203-1004A

Metric micrometer set (ratchet stop type)

Code	Range mm	Micrometers included	Packaging	price/set
3203-753A	0-75	3203-25A, 3203-50A, 3203-75A	blow mould case	73,00
3203-1004A	0-100	3203-25A, 3203-50A, 3203-75A, 3203-100A	blow mould case	91,00
3203-1506A	0-150	3203-25A, 3203-50A, 3203-75A, 3203-100A, 3203-125A, 3203-150A	blow mould case	174,00
3203-3006A	150-300	3203-175A, 3203-200A, 3203-225A, 3203-250A, 3203-275A, 3203-300A	aluminum box	390,00
3203-3012A	0-300	3203-25A, 3203-50A, 3203-75A, 3203-100A, 3203-125A, 3203-150A, 3203-175A, 3203-200A, 3203-225A, 3203-250A, 3203-275A, 3203-300A	aluminum box	603,00

Micrometer stand

- Suitable for outside micrometers up to 100mm

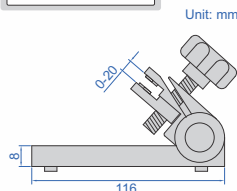


6301
from: **16,60**
price/pc



Micrometer stand

- Suitable for outside micrometers up to 100mm



6300
from: **26,20**
price/pc

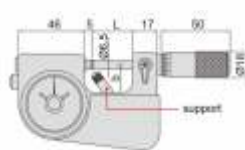


Indicating micrometers



- Meet DIN863-3 Unit: mm
- Micrometer head graduation: 0.002mm
- Dial indicator: range ± 0.04 mm, graduation 0.001mm, accuracy 0.001mm
- Carbide measuring faces

3332-
from: **237,60**
price/pc

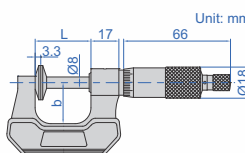


Code	Range mm	Accuracy μ m	L mm	B mm	Remark	price/pc
3332-25	0-25	4	28,5	19	with support	272,70
3332-50	25-50	4	53,5	30	with support	237,60
3332-75	50-75	5	78,5	45	without support	272,70
3332-100	75-100	5	103,5	57	without support	310,50

Non-rotating spindle disk micrometers

- Measure root tangent length of gear
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards

3294-
from: **127,80**
price/pc

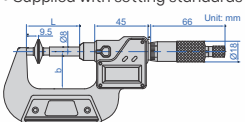


Code	Range mm	Accuracy μ m	L mm	b mm	Parallelism μ m	price/pc
3294-25	0-25	4	34	24	5	146,70
3294-50	25-50	4	59	32	5	155,70
3294-75	50-75	5	85	45	5	127,80
3294-100	75-100	5	110	57	5	136,80

Digital non-rotating spindle disk micrometers

- Measure root tangent length of gear
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards

3594-
from: **237,60**
price/pc

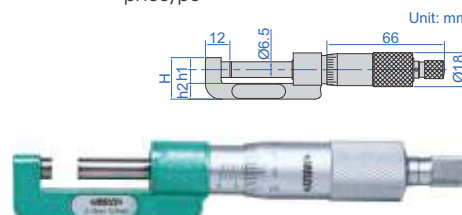
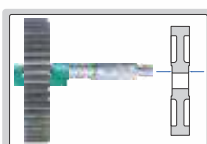


Code	Range mm	Accuracy μ m	L mm	b mm	Parallelism μ m	price/pc
3594-25A	0-25mm/0-1"	4	43	32,00	5	237,60
3594-50A	25-50mm/1-2"	4	68	44,50	5	258,30
3594-75A	50-75mm/2-3"	5	93	57,00	5	285,30
3594-100A	75-100mm/3-4"	5	118,5	70,00	5	315,00

Hub micrometers

- Meet DIN863-3
- Measure hub thickness and shoulder inside a bore
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)

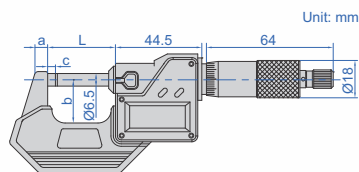
3292-
from: **68,20**
price/pc



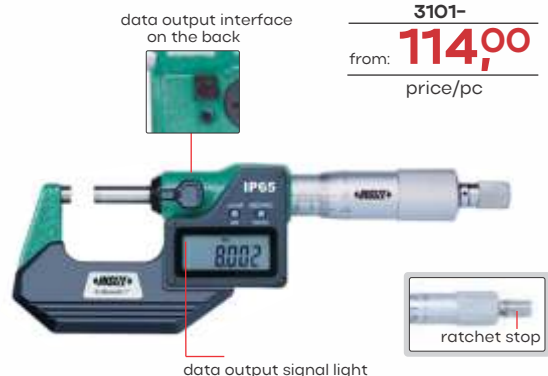
Code	Range mm	Accuracy μ m	h1 mm	h2 mm	H mm	price/pc
3292-25	0-25	4	6	9	18,7	68,20
3292-50	25-50	4	6,5	11	21,2	80,40
3292-75	50-75	5	6,5	11	21,2	91,50
3292-100	75-100	5	6,5	11	21,2	103,70

Waterproof digital outside micrometers (with data output interface)

- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Automatic power off
- Carbide measuring faces
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")



3101-
from: **114,00**
price/pc

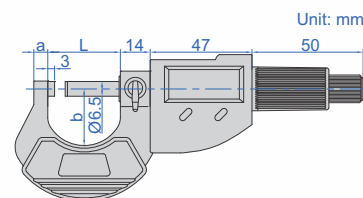


Metric/Inch type (ratchet stop)

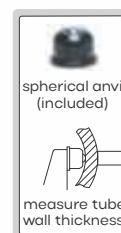
Code	Range mm	Resolution mm	Accuracy μ m	L mm	a mm	b mm	c mm	price/pc
3101-25A	0-25mm/0-1"	0,001/0,00005"	± 2	34,5	6	25	3	114,00
3101-50A	25-50mm/1-2"	0,001/0,00005"	± 2	59,5	8	32	3	144,00
3101-75A	50-75mm/2-3"	0,001/0,00005"	± 3	84,5	8	44,5	3	159,00
3101-100A	75-100mm/3-4"	0,001/0,00005"	± 3	109,5	8	57	3	176,00
3101-125A	100-125mm/4-5"	0,001/0,00005"	± 3	135	10	70	3	208,00
3101-150A	125-150mm/5-6"	0,001/0,00005"	± 3	160,5	10	82	3	216,00
3101-175A	150-175mm/6-7"	0,001/0,00005"	± 4	186	12	94,5	5,5	225,00
3101-200A	175-200mm/7-8"	0,001/0,00005"	± 4	211,5	12	107	5,5	245,00
3101-225A	200-225mm/8-9"	0,001/0,00005"	± 4	236	23	129,5	5,5	265,00
3101-250A	225-250mm/9-10"	0,001/0,00005"	± 4	261,5	23	142,5	5,5	285,00
3101-275A	250-275mm/10-11"	0,001/0,0001"	± 5	287	23	155	5,5	299,00
3101-300A	275-300mm/11-12"	0,001/0,0001"	± 5	312,5	23	167,5	5,5	330,00

Digital outside micrometers (basic type, without data output)

- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- No data output
- Automatic power off
- Carbide measuring faces
- Friction thimble
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")



3109-
from: **56,00**
price/pc



Code	Range mm	Accuracy μ m	L mm	a mm	b mm	price/pc
3109-25A	0-25mm/0-1"	± 2	32	6	27,5	56,00
3109-50A	25-50mm/1-2"	± 2	57	8	37	74,00
3109-75A	50-75mm/2-3"	± 3	82	8	50	89,00
3109-100A	75-100mm/3-4"	± 3	107	10	61	100,00
3109-125A	100-125mm/4-5"	± 3	132	10	73	102,00
3109-150A	125-150mm/5-6"	± 3	157	10	85	115,00
3109-175A	150-175mm/6-7"	± 4	182	21	104	133,00
3109-200A	175-200mm/7-8"	± 4	207	21	117	144,00

Digital outside micrometer-set

- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Carbide measuring faces
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")

3101-
from: **380,00**
price/set



3101-753A



3101-1506A

Set (ratchet stop type)

Code	Range mm	Micrometers included	Packaging	price/set
3101-753A	0-75mm/0-3"	3101-25A, 3101-50A, 3101-75A	blow mould case	380,00
3101-1004A	0-100mm/0-4"	3101-25A, 3101-50A, 3101-75A, 3101-100A	blow mould case	560,00
3101-1506A	0-150mm/0-6"	3101-25A, 3101-50A, 3101-75A, 3101-100A, 3101-125A, 3101-150A	aluminum box	950,00

Digital outside micrometer-set, without data output

- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- No data output
- Automatic power off
- Carbide measuring faces
- Friction thimble
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")

3109-
from: **210,00**
price/set



3109-753A



3109-1506A

Set

Code	Range mm	Micrometers included	Packaging	price/set
3109-753A	0-75mm/0-3"	3109-25A, 3109-50A, 3109-75A	blow mould case	210,00
3109-1004A	0-100mm/0-4"	3109-25A, 3109-50A, 3109-75A, 3109-100A	blow mould case	299,00
3109-1506A	0-150mm/0-6"	3109-25A, 3109-50A, 3109-75A, 3109-100A, 3109-125A, 3109-150A	aluminum box	520,00

Digital blade micrometers

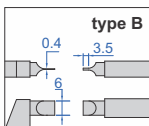
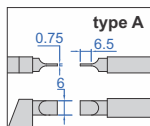
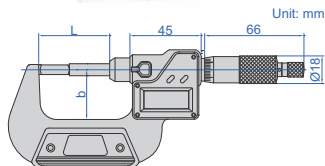
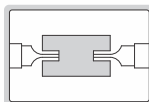
- Measure the groove diameter of shafts and keyways
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")

INSIZE

NON-ROTATING SPINDLE

DATA OUTPUT

3532-
from: **270,90**
price/pc



Code	Range mm	Accuracy μm	L mm	B mm	Type	price/pc
3532-25A	0-25mm/0-1"	±4	57	32	A	270,90
3532-50A	25-50mm/1-2"	±4	82	44.5	A	288,00
3532-75A	50-75mm/2-3"	±5	107	57	A	307,80
3532-100A	75-100mm/3-4"	±5	132.6	69.5	A	326,70
3532-125A	100-125mm/4-5"	±6	158	82	A	346,50
3532-150A	125-150mm/5-6"	±6	183.4	94.5	A	365,40
3532-175A	150-175mm/6-7"	±7	208.8	107	A	380,70
3532-25BA	0-25mm/0-1"	±4	57	32	B	270,90
3532-50BA	25-50mm/1-2"	±4	82	44.5	B	288,00
3532-75BA	50-75mm/2-3"	±5	107	57	B	353,70
3532-100BA	75-100mm/3-4"	±5	132.6	69.5	B	381,60
3532-125BA	100-125mm/4-5"	±6	158	82	B	384,30
3532-150BA	125-150mm/5-6"	±6	183.4	94.5	B	405,90
3532-175BA	150-175mm/6-7"	±7	208.8	107	B	426,60

Digital point micrometers

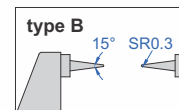
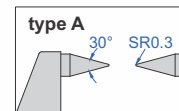
- Measure the web thickness of drills, small grooves and keyways
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm/0-1")

INSIZE

IP65 WATERPROOF

DATA OUTPUT

3530-
from: **140,40**
price/pc



Code	Range mm	Accuracy μm	Type	L mm	b mm	price/pc
3530-25A	0-25mm/0-1"	±4	A	57	32	140,40
3530-50A	25-50mm/1-2"	±4	A	82	44.5	205,20
3530-75A	50-75mm/2-3"	±5	A	107	57	219,60
3530-100A	75-100mm/3-4"	±5	A	132.6	69.5	238,50
3530-25BA	0-25mm/0-1"	±4	B	57	32	185,40
3530-50BA	25-50mm/1-2"	±4	B	82	44.5	202,50
3530-75BA	50-75mm/2-3"	±5	B	107	57	220,50
3530-100BA	75-100mm/3-4"	±5	B	132.6	69.5	238,50
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

Digital screw thread micrometers

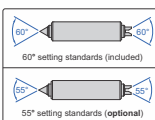
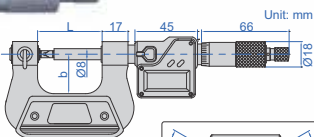
- Measure pitch diameter of screw threads
- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Non-rotating spindle
- Ratchet stop
- Supplied with 60° setting standards (except 0-25mm/0-1")

INSIZE

NON-ROTATING SPINDLE

DATA OUTPUT

3581-
from: **279,90**
price/pc



Code	Range mm	L mm	b mm	Measuring tips (included)	price/pc
3581-S25	0-25mm/0-1"	42	26	6 pairs of measuring tips: metric and unified thread (60° thread angle) 0.4-0.5mm/64-48TPI, 0.6-0.9mm/44-28TPI, 1-1.75mm/24-14TPI, 2-3mm/13-9TPI, 3.5-5mm/8-5TPI, 5.5-7mm/4.5-3.5TPI	279,90
3581-S50	25-50mm/1-2"	67	38		295,20
3581-S75	50-75mm/2-3"	92	50		315,90
3581-S100	75-100mm/3-4"	117.6	62		333,00
3581-S125	100-125mm/4-5"	143	70		474,30
3581-S150	125-150mm/5-6"	168.2	82		508,50
3581-S175	150-175mm/6-7"	192	94.5		559,80
3581-S200	175-200mm/7-8"	217	107		601,20
3581-S225	200-225mm/8-9"	242	130		760,50
3581-S275	250-275mm/10-11"	291	155		872,10
3581-S300	275-300mm/11-12"	317	167		937,80

accuracy of micrometers with tips

Pitch	Range mm					
	0-25	25-50	50-75	75-100	100-125	125-200
0.4-0.5	±0.01	-	-	-	-	-
0.6-0.8	±0.01	±0.013	-	-	-	-
1-1.25	±0.012	±0.015	±0.017	±0.017	-	-
1.5-2.0	±0.014	±0.017	±0.019	±0.019	±0.020	±0.023
2.5-3.5	±0.016	±0.019	±0.021	±0.021	±0.023	±0.025
4.0-7.0	-	±0.021	±0.023	±0.023	±0.025	±0.028

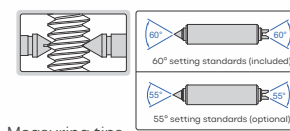
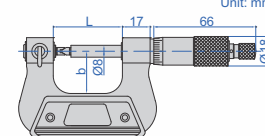
Screw thread micrometers

- Measure pitch diameter of screw threads
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with 60° setting standards (except 0-25mm)
- Optional accessory: 55° setting standards

INSIZE

NON-ROTATING SPINDLE

3281-
from: **193,50**
price/pc



Code	Range mm	L mm	b mm	Measuring tips (included)	price/pc
3281-S25	0-25	42	26	6 pairs of measuring tips: metric and unified thread (60° thread angle) 0.4-0.5mm/64-48TPI, 0.6-0.9mm/44-28TPI, 1-1.75mm/24-14TPI, 2-3mm/13-9TPI, 3.5-5mm/8-5TPI, 5.5-7mm/4.5-3.5TPI	193,50
3281-S50	25-50	67	38		201,60
3281-S75	50-75	92	50		216,00
3281-S100	75-100	117.6	62		237,60
3281-S125	100-125	143	70		254,70
3281-S150	125-150	168.2	82		273,60
3281-S175	150-175	192	94.5		291,60
3281-S200	175-200	217	107		323,10
3281-S225	200-225	242	130		456,30
3281-S250	225-250	267	142		507,60
3281-S275	250-275	291	155		561,60
3281-S300	275-300	317	167		623,70

accuracy of micrometers with tips

Code	Range mm					
	0-25	25-50	50-75	75-100	100-125	125-200
0.4-0.5	±0.01	-	-	-	-	-
0.6-0.8	±0.01	±0.013	-	-	-	-
1-1.25	±0.012	±0.015	±0.017	±0.017	-	-
1.5-2.0	±0.014	±0.017	±0.019	±0.019	±0.020	±0.023
2.5-3.5	±0.016	±0.019	±0.021	±0.021	±0.023	±0.025
4.0-7.0	-	±0.021	±0.023	±0.023	±0.025	±0.028

Two points/three points internal micrometers

- Meet DIN863-4
- 2-12mm: graduation
0.001mm 12-300mm:
graduation 0.005mm
- Ratchet stop

setting ring



6-100mm: included
100-300mm: optional

extension rod



included

3227-6



type A

2-6mm, carbide
measuring points
two points

3227-8



type B

6-12mm, steel
measuring points
three points

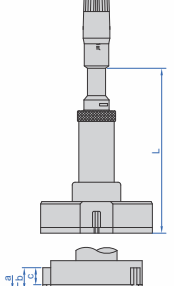
3227-16



type C

12-50mm, carbide
measuring points
three points

type D
50-300mm, carbide
measuring points
three points



Individual

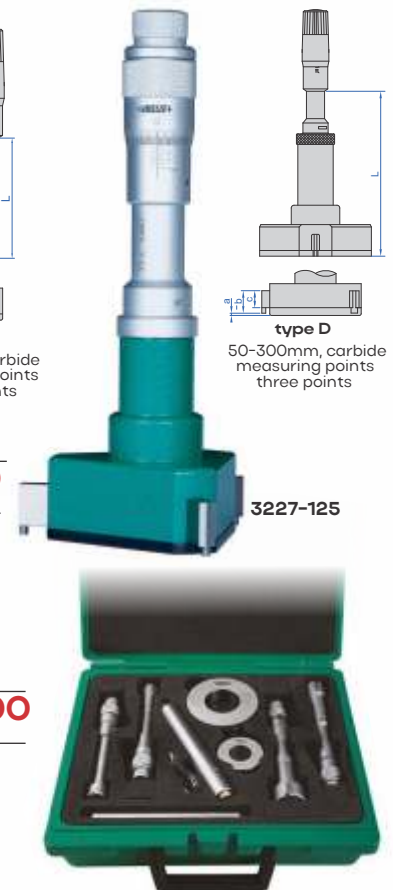
Code	Range mm	Typ	Accuracy μm	Setting ring mm	Extension rod Code (included) mm	L mm	a mm	b mm	c mm	price/pc
3227-8	6-8	A	4	Ø6 (included)	100	54.5	1.5	2.5	-	208,00
3227-10	8-10	A	4	Ø8 (included)	100	54.5	1.5	2.5	-	208,00
3227-12	10-12	A	4	Ø10 (included)	100	54.5	1.5	2.5	-	208,00
3227-16	12-16	B	4	Ø16 (included)	150	80	0.5	6	4.5	165,00
3227-20	16-20	B	4	Ø16 (included)	150	80	0.5	6	4.5	165,00
3227-25	20-25	B	4	Ø25 (included)	150	90	0.5	8	6	218,00
3227-30	25-30	B	4	Ø25 (included)	150	90	0.5	8	6	217,00
3227-40	30-40	B	4	Ø40 (included)	150	97	0.5	14	12	249,00
3227-50	40-50	B	5	Ø40 (included)	150	97	0.5	14	12	269,00
3227-63	50-63	C	5	Ø62 (included)	150	114	0.5	17.5	14.5	299,00
3227-75	62-75	C	5	Ø62 (included)	150	114	0.5	17.5	14.5	309,00
3227-88	75-88	C	5	Ø87 (included)	150	114	0.5	17.5	14.5	325,00
3227-100	87-100	C	5	Ø87 (included)	150	114	0.5	17.5	14.5	340,00
3227-125	100-125	C	6	Ø112,5 (optional)	150	145	0.5	19.5	14.5	426,00
3227-150	125-150	C	6	Ø137,5 (optional)	150	145	0.5	19.5	14.5	480,00

Set

Code	Range mm	Micrometers included	Setting ring (included)	Extension rod (included) mm	price/set
3227-123	6-12	6-8mm, 8-10mm, 10-12mm	Ø6mm, Ø8mm, Ø10mm	100	490,00
3227-202	12-20	12-16mm, 16-20mm	Ø16mm	150	288,00
3227-504	20-50	20-25mm, 25-30mm, 30-40mm, 40-50mm	Ø25mm, Ø40mm	150	679,00
3227-1004	50-100	50-63mm, 62-75mm, 75-88mm, 87-100mm	Ø62mm, Ø87mm	150	969,00

3227-
from: **165,00**
price/pc

3227-
from: **288,00**
price/set



Digital two points/three points internal micrometers

- Resolution 0.001mm/0.00005" (resolution of
3127-275 and 3127-300 is 0.001mm/0.0001")
- IP65 dust/waterproof
- Buttons: on/off, set, mm/inch, data transmit
- Data output
- Automatic power off
- Ratchet stop

setting ring



2-100mm: included
100-300mm: optional

extension rod



included

3127-5



Type A

2-6mm, carbide
measuring points
two points

3127-12



Type B
6-12mm, steel
measuring points
three points

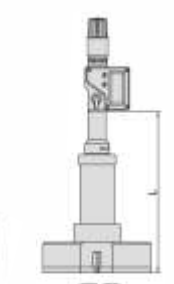
3127-40



Type C

12-50mm, carbide
measuring points
three points

Type D
50-300mm, carbide
measuring points
three points



Individual

Code	Range mm	Typ	Accuracy μm	Setting ring mm	Extension rod Code (included) mm	L mm	a mm	b mm	c mm	price/pc
3127-2	2-2.5	A	6	Ø2.5 (included)	-	12	-	-	-	513,00
3127-3	2.5-3	A	6	Ø2.5 (included)	-	12	-	-	-	517,40
3127-4	3-4	A	6	Ø4 (included)	-	22	-	-	-	512,10
3127-5	4-5	A	6	Ø5 (included)	-	22	-	-	-	512,10
3127-6	5-6	A	6	Ø6 (included)	-	22	-	-	-	501,60
3127-8	6-8	B	4	Ø6 (included)	100	57	1.5	2.5	-	333,50
3127-10	8-10	B	4	Ø8 (included)	100	57	1.5	2.5	-	333,50
3127-12	10-12	B	4	Ø10 (included)	100	57	1.5	2.5	-	333,50
3127-16	12-16	C	4	Ø16 (included)	150	99	0.5	6	4.5	359,00
3127-20	16-20	C	4	Ø16 (included)	150	99	0.5	6	4.5	352,80
3127-25	20-25	C	4	Ø25 (included)	150	105	0.5	8	6	369,60
3127-30	25-30	C	4	Ø25 (included)	150	105	0.5	8	6	369,60
3127-40	30-40	C	4	Ø40 (included)	150	110	0.5	14	12	408,30
3127-50	40-50	C	5	Ø40 (included)	150	110	0.5	14	12	408,30
3127-63	50-63	D	5	Ø62 (included)	150	127	0.5	17.5	14.5	441,70
3127-75	62-75	D	5	Ø62 (included)	150	127	0.5	17.5	14.5	466,40
3127-88	75-88	D	5	Ø87 (included)	150	127	0.5	17.5	14.5	485,70
3127-100	87-100	D	5	Ø87 (included)	150	127	0.5	17.5	14.5	514,80
3127-125	100-125	D	6	optional	150	175	0.9	29	25	531,50
3127-150	125-150	D	6	optional	150	175	0.9	29	25	609,84
3127-175	150-175	D	7	optional	150	175	0.9	29	25	697,80
3127-200	175-200	D	7	optional	150	175	0.9	29	25	815,70
3127-225	200-225	D	8	optional	150	175	0.9	29	25	972,40
3127-250	225-250	D	8	optional	150	175	0.9	29	25	1.130,80
3127-275	250-275	D	9	optional	150	175	0.9	29	25	1.331,40
3127-300	275-300	D	9	optional	150	175	0.9	29	25	1.451,10

Set

Code	Range mm	Micrometers included	Setting ring (included)	Extension rod (included) mm	price/set
3127-232	2-3	2-2.5mm, 2.5-3mm	Ø2.5mm	-	993,50
3127-363	3-6	3-4mm, 4-5mm, 5-6mm	Ø4mm, Ø5mm, Ø6mm	-	1.536,40
3127-123	6-12	6-8mm, 8-10mm, 10-12mm	Ø6mm, Ø8mm, Ø10mm	100	934,50
3127-202	12-20	12-16mm, 16-20mm	Ø16mm	150	652,00
3127-504	20-50	20-25mm, 25-30mm, 30-40mm, 40-50mm	Ø25mm, Ø40mm	150	1.365,70
3127-1004	50-100	50-63mm, 62-75mm, 75-88mm, 87-100mm	Ø62mm, Ø87mm	150	1.641,20

3127-
from: **333,50**
price/pc

3127-
from: **652,00**
price/set



←INSIZE→

IP65
WATERPROOF

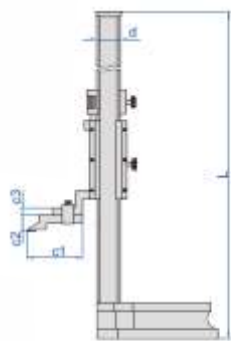
DATA
OUTPUT

←INSIZE→

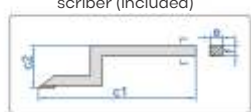
Vernier height gages (basic type)

- Graduation: 0.02mm/0.001"
- Carbide tipped scriber
- Made of stainless steel (except the base)
- Satin chrome plated scale
- With dial test indicator holder
- Supplied with dust cover

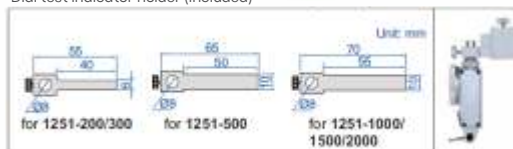
1251-
from: **145,00**
price/pc



scriber (included)



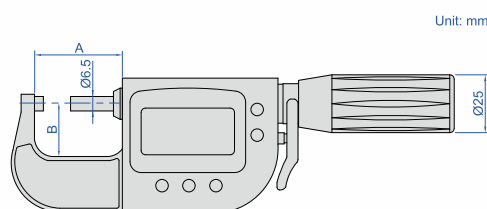
Dial test indicator holder (included)



Code	Range mm	Accuracy mm	L mm	c1 mm	c2 mm	c3 mm	d mm	e mm	f mm	price/pc
1251-200	0-200mm/0-8"	±0.03	370	76	25	10	23	6	8	145,00
1251-300	0-300mm/0-12"	±0.04	470	76	25	10	23	6	8	145,00
1251-500	0-500mm/0-20"	±0.05	720	105	25	12	30	10	12	198,00
1251-1000	0-1000mm/0-40"	±0.07	1275	110	39	15	50	10	15	749,00
1251-1500	0-1500mm/0-60"	±0.11	1790	110	39	15	50	10	15	1220,00
1251-2000	0-2000mm/0-80"	±0.14	2290	110	39	15	50	10	15	2330,00

Digital micrometers/snap gages

- Absolute encoder, the original data remains after power off
- Resolution: 0.001mm/0.00005"
- One turn of sleeve makes 10mm spindle feed
- Measurement accuracy is not affected by the use of sleeve
- Press the fork, the spindle retracts 3mm
- Carbide spindle and anvil
- Measuring force 5-10N
- Button function: data output, tolerance, data preset, data hold,
- measuring direction change, max./min./TIR, power off time,
- on/off, zero, mm/inch
- Supplied with gage blocks for zero setting (except 0-25mm/0-1")
- Power: rechargeable battery, for 24 hours continuous working



Unit: mm

spindle retract



spindle retract fork

3358-
from: **219,00**
price/pc

ATTENTION: RECHARGEABLE BATTERY, FOR 24 HOURS CONTINUOUS WORKING

ONE TURN OF SLEEVE MAKES 10MM SPINDLE FEED, PRESS THE FORK, THE SPINDLE RETRACTS 3MM



VIDEO

MEASUREMENT ACCURACY IS NOT AFFECTED BY THE USE OF SLEEVE

ABSOLUTE ENCODER, THE ORIGINAL DATA REMAINS AFTER POWER OFF

NON-ROTATING SPINDLE

DATA OUTPUT

IP65 WATERPROOF



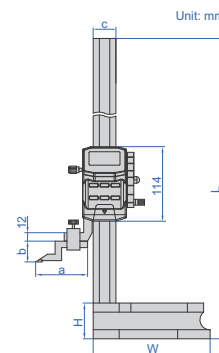
With data interface

Code	Range mm	Accuracy μm	Repeatability μm	Measuring faces		A mm	B mm	price/pc
				flatness μm	parallelism μm			
3358-25	0-25mm/0-1"	2	1	0,5	1,2	38	24	219,00
3358-50	25-50mm/1-2"	2	1	0,5	1,2	64	32,5	249,00
3358-75	50-75mm/2-3"	3	1	0,5	1,8	89	46	299,00
3358-100	75-100mm/3-4"	3	1	0,5	1,8	114	60	335,00

Digital height gages with driving wheel

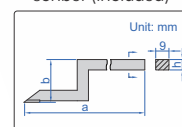
- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, preset +, preset -, ABS/INC
- Automatic power off, move the digital unit to turn on power
- Carbide tipped scriber
- Made of stainless steel
- Battery CR2032
- Data output
- Supplied with dust cover
- With dial test indicator holder

1156-
from: **340,00**
price/pc

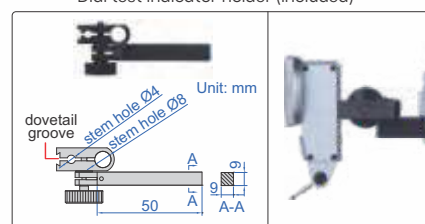


Unit: mm

scriber (included)



Dial test indicator holder (included)



Unit: mm

Code	Range mm	Accuracy mm	L mm	W mm	H mm	a mm	b mm	c mm	h mm	price/pc
1156-300	0-300mm/0-12"	±0.03	515	180	55	80	30	35	9	340,00
1156-600	0-600mm/0-24"	±0.05	815	180	55	80	30	35	9	499,00
1156-1000	0-1000mm/0-40"	±0.07	1220	265	70	92	48	40	12	1990,00

INSIZE

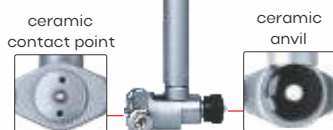
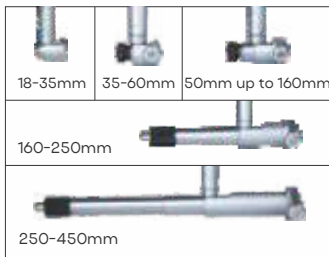
Bore gages



ATTENTION: NOT SUITABLE
FOR 0.001MM DIAL INDICATORS

2322-
from: **79,20**
price/pc

Unit: mm



With dial indicator

Code	Range mm	Indicator	Accuracy μ m	Repeatability mm	price/pc
2322-35A	18-35	dial indicator, range 10mm, graduation 0.01mm (code 2308-10FA)	$\pm 0,015$	0,003	79,20
2322-60A	35-60		$\pm 0,018$	0,003	81,00
2322-100A	50-100		$\pm 0,018$	0,003	84,30
2322-160A	50-160		$\pm 0,018$	0,003	82,70
2322-161A	100-160		$\pm 0,018$	0,003	94,50
2322-250A	160-250		$\pm 0,018$	0,003	121,50
2322-450A	250-450		$\pm 0,018$	0,003	147,60

Bore gage sets

- Dial indicator, code 2308-10FA, range 10mm, graduation 0.01mm



ATTENTION: NOT SUITABLE
FOR 0.001MM DIAL INDICATORS

2824-
from: **143,40**
price/pc

2824-
from: **195,00**
price/set

packaging (code 2824-S3)



With dial indicator

Code	Range mm	Bore gages included	Accuracy μ m	Repeatability mm	price/pc
2824-S160	35-160	35-50mm (dial indicator and handle are not included) 50-160mm 18-35mm 35-60mm	35-50 $\pm 0,018$ 50-160 $\pm 0,018$	0,003	143,40
2824-S3	18-160	18-35mm 35-60mm 50-160mm (dial indicator is not included)	18-35 $\pm 0,015$ 35-60 $\pm 0,018$ 50-160 $\pm 0,018$	0,003	195,00

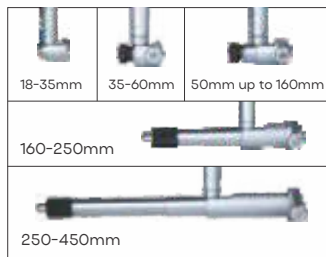
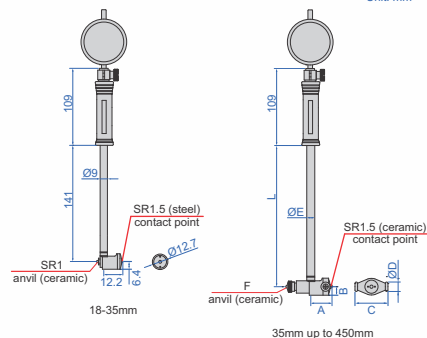
Bore gages



ATTENTION: NOT SUITABLE
FOR 0.001MM DIAL INDICATORS

2122-
from: **205,90**
price/pc

Unit: mm



With digital indicator

Code	Range mm	Indicator	Accuracy μ m	Repeatability mm	price/pc
2122-35A	18-35	digital indicator, code 2108-10F, range 12.7mm/0.5", resolution 0.002mm/0.0001" (can switch to: 0.01mm/0.0005")	$\pm 0,015$	0,003	205,90
2122-60A	35-60		$\pm 0,018$	0,003	206,80
2122-100A	50-100		$\pm 0,018$	0,003	205,00
2122-160A	50-160		$\pm 0,018$	0,003	207,60
2122-161A	100-160		$\pm 0,018$	0,003	209,40
2122-250A	160-250		$\pm 0,018$	0,003	243,70
2122-450A	250-450		$\pm 0,018$	0,003	255,20

Bore gage sets

- Digital indicator, code 2108-10F range 12.7mm/0.5", resolution 0.002mm/0.0001" (can switch to: 0.01mm/0.0005")

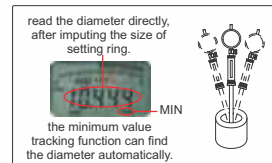


ATTENTION: NOT SUITABLE
FOR 0.001MM DIAL INDICATORS

2724-
from: **217,30**
price/pc

2724-
from: **293,90**
price/set

with digital indicator



With digital indicator

Code	Range mm	Bore gages included	Accuracy μ m	Repeatability mm	price/pc
2724-S160	35-160	35-50mm (dial indicator and handle are not included) 50-160mm 18-35mm 35-60mm	35-50 $\pm 0,018$ 50-160 $\pm 0,018$	0,003	217,30
2724-S3	18-160	18-35mm 35-60mm 50-160mm (dial indicator is not included)	18-35 $\pm 0,015$ 35-60 $\pm 0,018$ 50-160 $\pm 0,018$	0,003	293,90

Digital indicators (standard type)

- Button function: on/off, inch/mm, zero, data preset, change measuring direction, absolute/incremental measurement
- Switchable high/low frequency measurement mode, high frequency mode is suitable for high speed moving of spindle and has large power consumption, low power consumption in low frequency mode
- Keep preset data in memory after restart
- CR2032 battery, automatic power off (time is adjustable)
- Data output

2112-
from: **124,90**
price/pc



DATA
OUTPUT



Code	Range mm	Accuracy μ m	Hysteresis μ m	Maximum measuring force N	Remark	price/pc
2112-101F	12.7mm/0.5"	5	2	1.5	flat back	124,90
2112-251F	25.4mm/1"	5	3	2.2	flat back	150,40
2112-501F	50.8mm/2"	6	3	2.5	flat back	271,00
2112-101	12.7mm/0.5"	5	2	1.5	lug back	132,00
2112-251	25.4mm/1"	5	3	2.2	lug back	150,40
2112-501	50.8mm/2"	6	3	2.5	lug back	271,00

Digital indicators for bore gages (with transmission button and signal light)

- Specially designed for bore gages
- The minimum value tracking function can find the diameter automatically
- Read the diameter directly, after inputting the size of setting ring
- Reading in digital and analog
- Display can be rotated by 320°
- Button function: on/off, minimum value tracking, calibration, data preset, inch/metric conversion
- Data remains after power off, no need to recalibrate after power on
- CR2032 battery, automatic power off (time is adjustable)
- Data output

2108-
from: **115,60**
price/pc



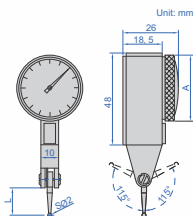
THE ORIGINAL DATA
REMAINS AFTER POWER OFF

DATA
OUTPUT



Code	Range mm	Resolution mm	Accuracy μ m	Hysteresis μ m	Remark	price/pc
2108-10F	12.7mm/0.5"	0,002mm/0,0001" (can switch to: 0,01mm/0,0005")	20	10	flat back	115,60
2108-101F	12.7mm/0.5"	0,001mm/0,00005"	5	2	flat back	215,90

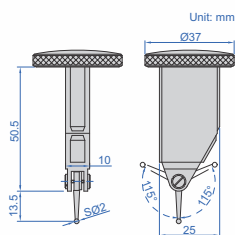
- Meet DIN2270 (except 2380-02, 2381-02, 2381-021)
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm



Code	Range mm	Graduation mm	Accuracy µm	Hysteresis µm	Dial reading mm	A mm	L mm	price/pc
2380-08	0,8	0,01	13	3	0-40-0	Ø30	13,5	38,50
2381-08	0,8	0,01	13	3	0-40-0	Ø37	13,5	42,90
2380-02	0,2	0,002	6	2	0-100-0	Ø30	12,5	58,50
2381-02	0,2	0,002	6	2	0-100-0	Ø37	12,5	62,40
2381-021	0,2	0,001	6	2	0-100-0	Ø37	12,5	72,50

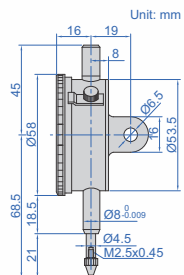
- Meet DIN2270
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps:
diameter Ø4mm and Ø8mm

←INSIZE→



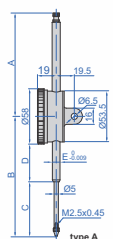
Code	Range mm	Graduation mm	Accuracy µm	Hysteresis µm	Dial reading mm	price/pc
2398-08	0,8	0,01	13	3	0-40-0	57,90

- Meet DIN878
- Jeweled bearing
- Supplied with limit pointers and bezel clamp



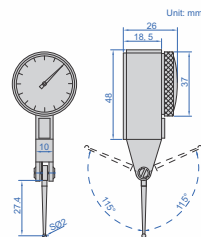
Code	Range mm	Graduation mm	Accuracy µm	Hysteresis µm	Dial reading mm	Remark	price/pc
2308-10A	10	0,01	17	3	0-100	lug back	18,90
2308-10FA	10	0,01	17	3	0-100	flat back	18,60

- Shockproof
- Jeweled bearing
- Supplied with limit pointers



Code	Range Graduation Accuracy Hysteresis				A	B	C	D	E	price/pc
	mm	mm	mm	mm	mm	mm	mm	mm	mm	
2309-50	50	0,01	35	7	108,3	126,2	57,7	39,5	08	93,60
2309-80	80	0,01	50	9	138,4	168,4	88,0	51,3	08	176,40

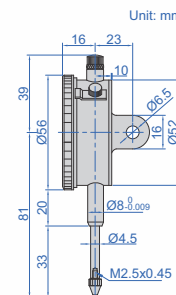
- Meet DIN2270
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm



Code	Range mm	Graduation mm	Accuracy µm	Hysteresis µm	Dial reading mm	price/pc
2383-08A	0,8	0,01	13	3	0-40-0	75,20

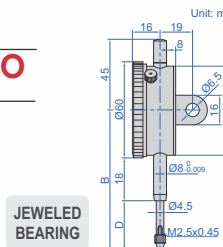
- Supplied with limit pointers and bezel clamp
- Packed in carton box

←INSIZE→



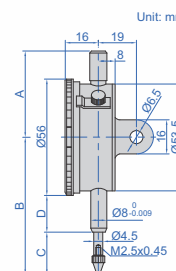
Code	Range Graduation		Accuracy	Range/rev	Dial reading	Remark	price/pc
	mm	mm	µm	mm	mm		
2302-25F	25	0,01	35	1mm	0-100	flat back	41,50

- Supplied with limit pointers and bezel clamp
- Graduation: 0,1 mm



	Range	Accuracy	Hysteresis	Dial reading		B	D	
Code	mm	µm	µm	mm	Remark	mm	mm	price/pc
2318-10F	10	40	20	0-10	flat back	70	20	28,60
2318-20F	20	50	20	0-10	flat back	85	35	42,60
2318-30F	30	60	20	0-10	flat back	90	40	47,40
2318-10	10	40	20	0-10	lug back	70	20	29,00
2318-20	20	50	20	0-10	lug back	85	35	43,30
2318-30	30	60	20	0-10	lug back	90	40	47,20

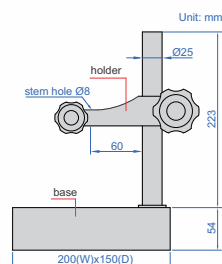
- Graduation: 0.001mm
- Jeweled bearing
- Supplied with limit pointers and bezel clamp



Code	Range	Accuracy	Hysteresis	Dial reading	Remark	A	B	C	D	price/pc
	mm	μm	μm	mm		mm	mm	mm	mm	
2313-1A	1	5	2	0-100-0	flat back	45	62,5	19,5	15	42,10
2313-1FA	1	5	2	0-100-0	flat back	45	62,5	19,5	15	41,90

Granite dial indicator stands (basic type)

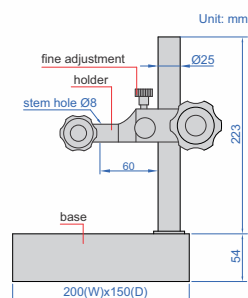
- Vertical travel of holder: 170mm
- Supplied with dust cover



6841-170



6841-170



6841-170D

6841-
from: **161,90**
price/pc



6841-170D

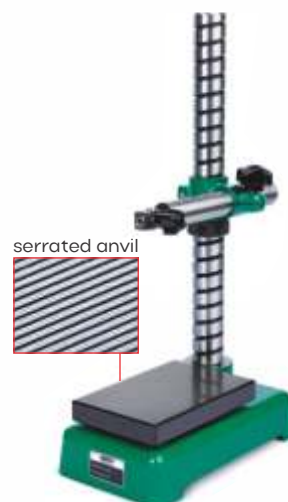
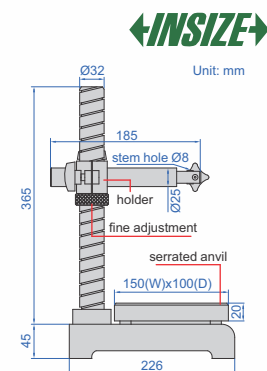
Code	Applicable holding stem mm	Base	Remark	price/pc
6841-170	Ø8	flatness 2.5µm	without fine adjustment	161,90
6841-170D	Ø8	flatness 2.5µm	with fine adjustment, fine adjustment range 3mm	209,40



Dial indicator stands

- Vertical travel of holder: 250mm
- Fine adjustment range: entire stroke
- Supplied with dust cover

6864-
from: **376,60**
price/pc



6864-250

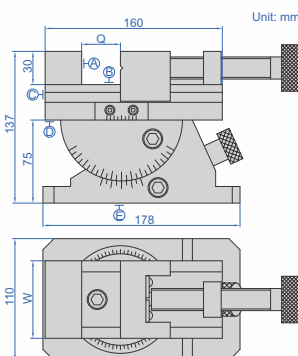


6864-250T

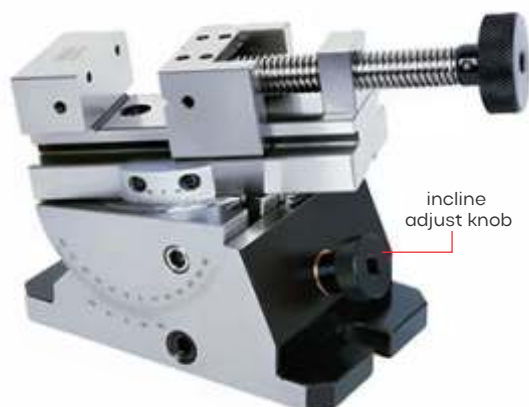
Code	Applicable holding stem mm	Anvil	price/pc
6864-250	Ø8	steel (hardness HRC60±2), serrated, flatness 1.5µm	376,60
6864-250T	Ø8	ceramic, serrated, flatness 1.5µm	674,90

Precision universal vise

- Horizontal rotary: range 360°, graduation 0.05°
- Vertical incline: range 45°, graduation 0.05°
- With incline adjust knob
- Parallelism and squareness between A, B, C and D: 5µm/100mm, parallelism between D and E at 0°: 10µm/100mm
- Made of tool steel
- Hardness HRC56-58



6521-80
1.546,10
price/pc

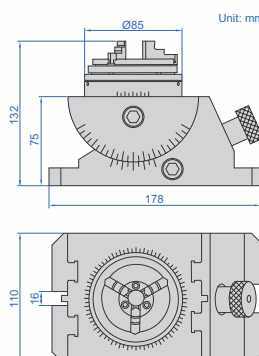


incline adjust knob



Precision universal vise with chuck

- Horizontal rotary: range 360°, graduation 0.05°
- Vertical incline: range 45°, graduation 0.05°
- With vertical incline adjust knob
- Runout of chuck is less than 0.05mm (test position is at less than 50mm from clamping jaws)
- The clamping jaws of chuck are reversible
- Made of tool steel
- Hardness HRC56-58



6528-85
2.458,20
price/pc



horizontal rotary

vertical incline

vertical incline adjust knob

Code	Jaw opening (Q) mm	Jaw width (W) mm	price/pc
6521-80	0-80	70	1.546,10

Code	Range of external clamping mm	Range of internal clamping mm	price/pc
6528-85	Ø0.8-Ø63mm	Ø23-Ø58mm	2.458,20

Universal magnetic stands

- For digital/dial indicators and dial test indicators

6210-
from: **71,50**
price/pc



Code	Magnetic force kgf	Applicable holding stem mm	Remark	price/pc
6210-81	80	Ø8	with fine adjustment and dovetail groove	71,50
6210-80	80	Ø8	with fine adjustment and dovetail groove	74,00
6210-100	100	Ø8	with fine adjustment and dovetail groove	108,00

Magnetic stands

- For digital/dial indicators and dial test indicators

6201-; 6202-
from: **18,10**
price/pc



Code	Magnetic force kgf	Applicable holding stem	Remark	price/pc
6201-60	60kgf	Ø8mm, Ø4mm, 3/8" DIA	without fine adjustment	18,10
6202-80	80kgf	Ø8mm, Ø4mm, 3/8" DIA	with fine adjustment	28,90
6202-100	100kgf	Ø8mm, Ø4mm, 3/8" DIA	with fine adjustment	46,00

Large locking force magnetic stand

- For digital/dial indicators and dial test indicators

6219-80
89,00
price/pc



Code	Magnetic force	Applicable holding stem	Remark	price/pc
6219-80	80kgf	Ø8mm	with fine adjustment and dovetail groove	89,00

Flex arm magnetic stand

- For dial test indicators

6207-80A
36,50
price/pc

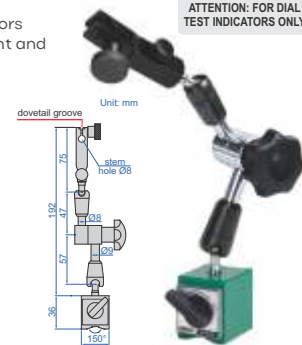


Code	Magnetic force	Applicable holding stem	price/pc
6207-80A	80kgf	Ø8mm, Ø4mm, 3/8" DIA	36,50

Flex arm magnetic stand

- For dial test indicators
- With fine adjustment and dovetail groove

6224-40
70,10
price/pc



Code	Magnetic force	Applicable holding stem	price/pc
6224-40	40kgf	Ø8mm	70,10

Magnetic bases

6212-
from: **19,50**
price/pc



Code	Magnetic force	price/pc
6212-80	80kgf	19,50
6212-100	100kgf	31,50

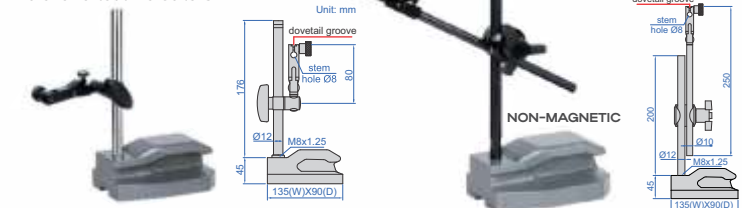
6212-100

Dial indicator stand

- Hardened base
- Suitable for granite surface plates and cast iron surface plates

6227-
from: **74,10**
price/pc

For 0.001mm and 0.01mm dial and test indicators

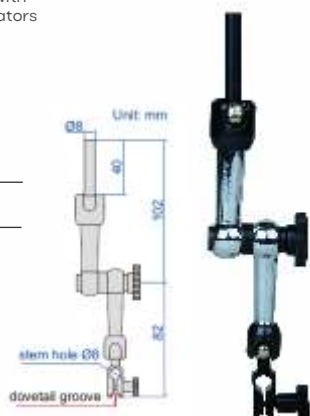


Code	Applicable holding stem	Remark	price/pc
6227-80	Ø8mm	with fine adjustment and dovetail groove	74,10
6230-60	Ø8mm	with fine adjustment and dovetail groove	85,50

Dial test indicator holder

- Can be used with dial test indicators

6295-1A
25,50
price/pc



Dial test indicator holder

- Can be used with dial test indicators

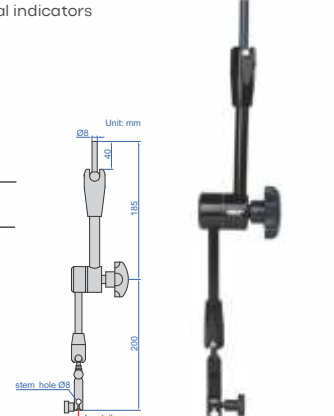
6291-1
13,30
price/pc



Dial indicator holder

- Can be used with dial test indicators or dial indicators

6294-1A
34,80
price/pc



Metric thread ring gages

• Standard ISO1502

4120-
from: **23,70**
price/pc



WARNING: LIFE TIME IS LIMITED,
CAN BE USED ABOUT 2000 TIMES

Code example:
"-2" stands for "4120-2"

Individual

Size (mm)		Class (6g)		Class (6g)	
Nominal diameter	Pitch	GO		NO GO	
		Code	price/pc	Code	price/pc
M2	0.4	4120-2	38,30	4120-2N	31,50
M2.2	0.45	4120-2D2	33,10	4120-2D2N	28,70
M2.3	0.4	4120-2D3	41,60	4120-2D3N	27,70
M2.5	0.45	4120-2D5	32,50	4120-2D5N	26,40
M2.6	0.45	4120-2D6	41,20	4120-2D6N	27,40
M3	0.5	4120-3	30,60	4120-3N	25,20
M3.5	0.6	4120-3D5	28,80	4120-3D5N	28,00
M4	0.7	4120-4	28,80	4120-4N	27,60
M4.5	0.75	4120-4D5	39,00	4120-4D5N	38,70
M5	0.8	4120-5	28,80	4120-5N	27,60
M6	1	4120-6	25,70	4120-6N	23,80
M7	1	4120-7	25,70	4120-7N	24,10
M8	1.25	4120-8	25,70	4120-8N	25,70
M9	1.25	4120-9	25,70	4120-9N	25,70
M10	1.5	4120-10	29,70	4120-10N	25,90
M11	1.5	4120-11	30,30	4120-11N	27,70
M12	1.75	4120-12	26,40	4120-12N	23,70

Size (mm)		Class (6g)		Class (6g)	
Nominal diameter	Pitch	GO		NO GO	
		Code	price/pc	Code	price/pc
M14	2	4120-14	29,50	4120-14N	25,60
M16	2	4120-16	29,50	4120-16N	25,60
M18	2.5	4120-18	33,50	4120-18N	27,20
M20	2.5	4120-20	33,80	4120-20N	27,30
M22	2.5	4120-22	33,80	4120-22N	27,90
M24	3	4120-24	43,30	4120-24N	30,10
M27	3	4120-27	42,90	4120-27N	30,10
M30	3.5	4120-30	59,20	4120-30N	36,30
M33	3.5	4120-33	67,60	4120-33N	43,40
M36	4	4120-36	75,00	4120-36N	58,70
M39	4	4120-39	78,30	4120-39N	61,70
M42	4.5	4120-42	90,90	4120-42N	68,40
M45	4.5	4120-45	96,30	4120-45N	72,10
M48	5	4120-48	126,90	4120-48N	97,20
M52	5	4120-52	135,00	4120-52N	103,50
M56	5.5	4120-56	148,50	4120-56N	118,80
M60	5.5	4120-60	167,40	4120-60N	134,10

Metric fine thread ring gages

• Standard ISO1502

4129-
from: **22,10**
price/pc



WARNING: LIFE TIME IS LIMITED,
CAN BE USED ABOUT 2000 TIMES

Code example:
"-3D5G" stands for "4129-3D5G"

6g		6g		Nominal diameter x Pitch
Code	4129-10P GO	Code	4129-10P NO GO	
4129-5G	32,10	4129-5GN	26,50	M5x0,5
4129-6G	32,80	4129-6GN	26,70	M6x0,5
4129-6L	26,90	4129-6LN	24,70	M6x0,75
4129-7G	34,50	4129-7GN	27,90	M7x0,5
4129-7L	28,30	4129-7LN	26,60	M7x0,75
4129-8G	34,40	4129-8GN	28,30	M8x0,5
4129-8L	27,00	4129-8LN	25,20	M8x0,75
4129-8P	26,90	4129-8PN	24,70	M8x1
4129-9G	34,60	4129-9GN	28,30	M9x0,5
4129-9L	28,30	4129-9LN	26,60	M9x0,75
4129-9P	28,30	4129-9PN	26,60	M9x1
4129-10G	35,80	4129-10GN	37,20	M10x0,5
4129-10L	33,20	4129-10LN	27,30	M10x0,75
4129-10P	26,00	4129-10PN	23,30	M10x1
4129-10Q	27,40	4129-10QN	25,60	M10x1,25
4129-11G	36,20	4129-11GN	38,10	M11x0,5
4129-11L	33,50	4129-11LN	27,60	M11x0,75
4129-11P	27,80	4129-11PN	25,10	M11x1
4129-12G	33,20	4129-12GN	34,20	M12x0,5
4129-12L	33,90	4129-12LN	33,30	M12x0,75
4129-12P	28,70	4129-12PN	23,40	M12x1
4129-12Q	28,70	4129-12QN	22,30	M12x1,25
4129-12R	28,70	4129-12RN	22,30	M12x1,5
4129-13G	67,30	4129-13GN	67,30	M13x0,5
4129-13L	67,30	4129-13LN	61,70	M13x0,75
4129-13P	55,80	4129-13PN	47,10	M13x1
4129-13R	37,50	4129-13RN	42,20	M13x1,5
4129-14G	41,30	4129-14GN	35,80	M14x0,5
4129-14L	45,00	4129-14LN	44,90	M14x0,75
4129-14P	33,40	4129-14PN	28,80	M14x1
4129-14Q	26,80	4129-14QN	22,10	M14x1,25
4129-14R	28,80	4129-14RN	24,80	M14x1,5
4129-15L	67,30	4129-15LN	67,30	M15x0,75
4129-15P	46,00	4129-15PN	38,70	M15x1
4129-15R	36,50	4129-15RN	32,30	M15x1,5
4129-16G	41,30	4129-16GN	35,90	M16x0,5
4129-16L	44,20	4129-16LN	43,00	M16x0,75
4129-16P	33,40	4129-16PN	29,20	M16x1
4129-16R	28,80	4129-16RN	24,80	M16x1,5
4129-18G	45,00	4129-18GN	35,20	M18x0,5
4129-18L	45,00	4129-18LN	43,90	M18x0,75
4129-18P	39,00	4129-18PN	32,20	M18x1
4129-18R	32,00	4129-18RN	24,90	M18x1,5
4129-18T	37,80	4129-18TN	28,00	M18x2

6g		6g		Nominal diameter x Pitch
Code	4129-10P GO	Code	4129-10P NO GO	
4129-20G	45,20	4129-20GN	35,00	M20x0,5
4129-20L	45,20	4129-20LN	45,20	M20x0,75
4129-20P	39,10	4129-20PN	32,20	M20x1
4129-20R	31,80	4129-20RN	29,60	M20x1,5
4129-20T	37,70	4129-20TN	28,30	M20x2
4129-21L	77,00	4129-21LN	77,00	M21x0,75
4129-21P	69,30	4129-21PN	54,10	M21x1
4129-22L	45,80	4129-22LN	44,60	M22x0,75
4129-22P	39,70	4129-22PN	33,00	M22x1
4129-22R	32,60	4129-22RN	30,10	M22x1,5
4129-22T	38,70	4129-22TN	28,90	M22x2
4129-23L	77,00	4129-23LN	77,00	M23x0,75
4129-23P	68,50	4129-23PN	54,10	M23x1
4129-24L	56,90	4129-24LN	44,70	M24x0,75
4129-24P	43,50	4129-24PN	37,20	M24x1
4129-24R	36,60	4129-24RN	32,40	M24x1,5
4129-24T	39,70	4129-24TN	30,10	M24x2
4129-25L	77,00	4129-25LN	77,00	M25x0,75
4129-25P	64,30	4129-25PN	52,50	M25x1
4129-25R	55,10	4129-25RN	44,50	M25x1,5
4129-26L	77,00	4129-26LN	77,00	M26x0,75
4129-26P	68,50	4129-26PN	53,60	M26x1
4129-26R	56,20	4129-26RN	45,40	M26x1,5
4129-28L	103,50	4129-28LN	78,10	M28x0,75
4129-28P	98,10	4129-28PN	74,70	M28x1
4129-28R	96,30	4129-28RN	69,70	M28x1,5
4129-30L	64,20	4129-30LN	50,70	M30x0,75
4129-30P	64,20	4129-30PN	50,70	M30x1
4129-30R	54,30	4129-30RN	43,50	M30x1,5
4129-30T	42,00	4129-30TN	37,20	M30x2
4129-32P	105,30	4129-32PN	80,20	M32x1
4129-32R	98,10	4129-32RN	70,70	M32x1,5
4129-33P	66,10	4129-33PN	51,30	M33x1
4129-33R	58,80	4129-33RN	47,70	M33x1,5
4129-33T	45,80	4129-33TN	40,90	M33x2
4129-36P	73,80	4129-36PN	59,00	M36x1
4129-36R	65,00	4129-36RN	52,60	M36x1,5
4129-36T	52,50	4129-36TN	45,50	M36x2
4129-36V	55,10	4129-36VN	47,30	M36x3
4129-38P	142,20	4129-38PN	107,10	M38x1
4129-38R	117,90	4129-38RN	89,00	M38x1,5
4129-39R	68,30	4129-39RN	55,00	M39x1,5
4129-40R	110,70	4129-40RN	102,60	M40x1,5
4129-42R	86,10	4129-42RN	73,90	M42x1,5

Metric thread plug gages

- Supplied with Go and No-Go gages together
- Standard ISO1502
- Supplied with manufacturer inspection certificate

4130-
from: **18,50**
price/pc



WARNING: LIFE TIME IS LIMITED,
CAN BE USED ABOUT 2000 TIMES

Code		Size (mm)		Class (6H)	Class (6G)
Class (6H)	Class (6G)	Nominal diameter	Pitch		
4130-D8	4130-D8G	M0.8	0.2	27,00	26,70
4130-D9	4130-D9G	M0.9	0.225	27,00	27,00
4130-1	4130-1G	M1	0.25	25,20	26,90
4130-1D1	4130-1D1G	M1.1	0.25	26,90	26,90
4130-1D2	4130-1D2G	M1.2	0.25	26,60	27,00
4130-1D4	4130-1D4G	M1.4	0.3	25,30	27,00
4130-1D6	4130-1D6G	M1.6	0.35	25,20	26,50
4130-1D7	4130-1D7G	M1.7	0.35	26,80	26,90
4130-1D8	4130-1D8G	M1.8	0.35	26,40	26,90
4130-2	4130-2G	M2	0.4	18,90	21,80
4130-2D2	4130-2D2G	M2.2	0.45	21,40	22,00
4130-2D3	4130-2D3G	M2.3	0.4	22,10	22,00
4130-2D5	4130-2D5G	M2.5	0.45	18,50	21,40
4130-2D6	4130-2D6G	M2.6	0.45	21,40	21,70
4130-3	4130-3G	M3	0.5	18,50	21,40
4130-3D5	4130-3D5G	M3.5	0.6	27,60	30,20
4130-4	4130-4G	M4	0.7	19,20	22,00
4130-4D5	4130-4D5G	M4.5	0.75	22,20	22,20
4130-5	4130-5G	M5	0.8	19,20	22,20
4130-6	4130-6G	M6	1	19,20	22,20

Code		Size (mm)		Class (6H)	Class (6G)
Class (6H)	Class (6G)	Nominal diameter	Pitch		
4130-7	4130-7G	M7	1	19,40	26,80
4130-8	4130-8G	M8	1.25	19,20	22,00
4130-9	4130-9G	M9	1.25	19,40	26,80
4130-10	4130-10G	M10	1.5	21,90	25,40
4130-11	4130-11G	M11	1.5	22,40	30,70
4130-12	4130-12G	M12	1.75	25,00	25,40
4130-14	4130-14G	M14	2	26,30	26,00
4130-16	4130-16G	M16	2	26,40	26,00
4130-18	4130-18G	M18	2.5	28,60	29,70
4130-20	4130-20G	M20	2.5	28,60	31,80
4130-22	4130-22G	M22	2.5	29,20	32,40
4130-24	4130-24G	M24	3	34,80	42,30
4130-27	4130-27G	M27	3	34,80	42,30
4130-30	4130-30G	M30	3.5	40,10	51,00
4130-33	4130-33G	M33	3.5	41,40	51,00
4130-36	4130-36G	M36	4	55,80	74,70
4130-39	4130-39G	M39	4	58,50	74,70
4130-42	4130-42G	M42	4.5	56,20	63,70
4130-45	4130-45G	M45	4.5	59,70	63,70
4130-48	4130-48G	M48	5	80,70	86,30

Metric fine thread plug gages

- Supplied with Go and No-Go gages together
- Standard ISO1502
- Supplied with manufacturer inspection certificate

4139-
from: **22,70**
price/pc



WARNING: LIFE TIME IS LIMITED,
CAN BE USED ABOUT 2000 TIMES

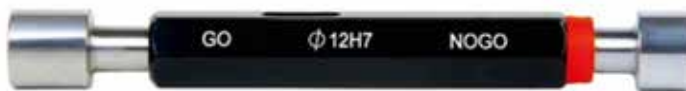
Code		Size (mm)		Class (6H)	price/pc
Class (6H)		Nominal diameter	X Pitch		
4139-1A		M1x0,2			28,20
4139-1D2A		M1,2x0,2			27,90
4139-1D4A		M1,4x0,2			27,90
4139-1D6A		M1,6x0,2			27,90
4139-1D8A		M1,8x0,2			27,90
4139-2A		M2x0,2			27,90
4139-2B		M2x0,25			22,70
4139-2D5A		M2,5x0,2			31,20
4139-2D5B		M2,5x0,25			24,50
4139-2D5D		M2,5x0,35			22,70
4139-3B		M3x0,25			30,20
4139-3D		M3x0,35			22,70
4139-3D5B		M3,5x0,25			43,20
4139-3D5D		M3,5x0,35			26,00
4139-3D5G		M3,5x0,5			32,30
4139-4B		M4x0,25			43,20
4139-4D		M4x0,35			40,10
4139-4G		M4x0,5			22,70
4139-4D5D		M4,5x0,35			36,40
4139-4D5G		M4,5x0,5			25,40
4139-5B		M5x0,25			45,10
4139-5G		M5x0,5			24,10
4139-6B		M6x0,25			45,10
4139-6D		M6x0,35			41,90
4139-6G		M6x0,5			26,60
4139-7D		M7x0,35			45,10
4139-7G		M7x0,5			27,90
4139-8D		M8x0,35			53,80
4139-8G		M8x0,5			26,90
4139-8P		M8x1			25,20
4139-9D		M9x0,35			53,80
4139-9G		M9x0,5			28,20
4139-9L		M9x0,75			27,90
4139-9P		M9x1			26,50
4139-10D		M10x0,35			53,80
4139-10G		M10x0,5			31,80
4139-10P		M10x1			26,40

Code		Size (mm)		Class (6H)	price/pc
Class (6H)		Nominal diameter	X Pitch		
4139-10Q		M10x1,25			26,40
4139-11G		M11x0,5			31,80
4139-11P		M11x1			27,80
4139-12G		M12x0,5			32,10
4139-12P		M12x1			29,50
4139-12Q		M12x1,25			27,90
4139-12R		M12x1,5			27,90
4139-13G		M13x0,5			46,20
4139-13P		M13x1			39,60
4139-13R		M13x1,5			34,90
4139-14G		M14x0,5			33,80
4139-14P		M14x1			29,50
4139-14Q		M14x1,25			27,90
4139-14R		M14x1,5			27,90
4139-15P		M15x1			29,40
4139-15R		M15x1,5			28,80
4139-16G		M16x0,5			33,80
4139-16P		M16x1			29,50
4139-16R		M16x1,5			27,90
4139-17G		M17x0,5			45,90
4139-17P		M17x1			39,60
4139-17R		M17x1,5			36,80
4139-18G		M18x0,5			35,80
4139-18P		M18x1			29,50
4139-18R		M18x1,5			29,50
4139-18T		M18x2			30,70
4139-19G		M19x0,5			48,90
4139-19P		M19x1			40,30
4139-20G		M20x0,5			36,30
4139-20P		M20x1			30,30
4139-20R		M20x1,5			30,40
4139-20T		M20x2			30,90
4139-21P		M21x1			40,50
4139-22P		M22x1			31,00
4139-22R		M22x1,5			31,00
4139-22T		M22x2			31,80
4139-23P		M23x1			49,40

Code		Size (mm)		Class (6H)	price/pc
Class (6H)		Nominal diameter	X Pitch		
4139-24P		M24x1			32,90
4139-24R		M24x1,5			33,00
4139-24T		M24x2			32,90
4139-25P		M25x1			56,20
4139-25R		M25x1,5			49,40
4139-26P		M26x1			56,20
4139-26R		M26x1,5			49,40
4139-27P		M27x1			34,50
4139-27R		M27x1,5			33,30
4139-27T		M27x2			33,30
4139-28P		M28x1			56,60
4139-28R		M28x1,5			56,50
4139-30L		M30x0,75			43,60
4139-30P		M30x1			39,60
4139-30R		M30x1,5			37,60
4139-30T		M30x2			33,40
4139-32P		M32x1			57,30
4139-32R		M32x1,5			57,30
4139-33P		M33x1			39,60
4139-33R		M33x1,5			37,80
4139-33T		M33x2			33,30
4139-34P		M34x1			85,10
4139-34R		M34x1,5			64,20
4139-35P		M35x1			84,80
4139-35R		M35x1,5			64,00
4139-36P		M36x1			54,10
4139-36R		M36x1,5			40,10
4139-36T		M36x2			42,20
4139-36V		M36x3			46,60
4139-38P		M38x1			84,80
4139-38R		M38x1,5			64,00
4139-39R		M39x1,5			42,20
4139-39T		M39x2			42,20
4139-39V		M39x3			46,60
4139-40P		M40x1			78,00
4139-40R		M40x1,5			59,30
-		-			-

Plain plug gages

- Supplied with Go and No-Go gages together
- Class H7
- Hardness HRC 60±2
- Standard DIN7150-2



CUSTOM-MADE

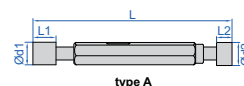
OTHER CLASSES ARE AVAILABLE, SUCH AS H8, H9
OTHER DIAMETERS ARE AVAILABLE, SUCH AS 19.003mm
OTHER LENGTHS ARE AVAILABLE, SUCH AS 70mm

Size tolerance of H7

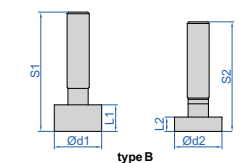
Diameter Ød	Type	Size tolerance of Go gage (µm)	Size tolerance of No-Go gage (µm)	L1	L2	L	S1, S2
≥2, ≤3	A	+0.5 / +2.5	+9 / +11	6.5	4.5	62	-
>3, ≤6	A	+0.75 / +3.25	+10.75 / +13.25	8	6	74	-
>6, ≤10	A	+0.75 / +3.25	+13.75 / +16.25	10	7	87	-
>10, ≤14	A	+1 / +4	+16.5 / +19.5	12	8	99	-
>14, ≤18	A	+1 / +4	+16.5 / +19.5	14	10	114	-
>18, ≤24	A	+1 / +5	+19 / +23	16	12	132	-
>24, ≤30	A	+1 / +5	+19 / +23	18	14	136	-
>30, ≤40	A	+1.5 / +5.5	+23 / +27	20	15	155	-
>40, ≤50	A	+1.5 / +5.5	+23 / +27	25	18	169	-
>50, ≤65	B	+1.5 / +6.5	+27.5 / +32.5	30	18	-	164, 152
>65, ≤80	B	+1.5 / +6.5	+27.5 / +32.5	35	25	-	169, 159
>80, ≤100	B	+2 / +8	+32 / +38	35	25	-	169, 159

4124-
from: **15,00**
price/pc

type A



type B



Code	Diameter mm	Type	price/pc
4124-2	2	A	17,50
4124-3	3	A	17,40
4124-4	4	A	15,30
4124-5	5	A	15,20
4124-6	6	A	15,00
4124-7	7	A	15,40
4124-8	8	A	15,40
4124-9	9	A	15,40
4124-10	10	A	15,80
4124-11	11	A	15,80
4124-12	12	A	15,80
4124-13	13	A	15,80
4124-14	14	A	15,90
4124-15	15	A	18,70
4124-16	16	A	18,40

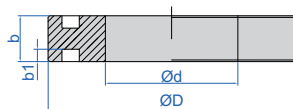
Code	Diameter mm	Type	price/pc
4124-17	17	A	18,40
4124-18	18	A	18,90
4124-19	19	A	21,30
4124-20	20	A	21,60
4124-21	21	A	22,40
4124-22	22	A	22,40
4124-23	23	A	22,40
4124-24	24	A	22,50
4124-25	25	A	25,00
4124-26	26	A	25,20
4124-27	27	A	25,50
4124-28	28	A	25,60
4124-29	29	A	27,00
4124-30	30	A	25,70
4124-31	31	A	30,90

Code	Diameter mm	Type	price/pc
4124-32	32	A	30,10
4124-33	33	A	30,00
4124-34	34	A	30,00
4124-35	35	A	28,60
4124-36	36	A	31,50
4124-37	37	A	31,50
4124-38	38	A	31,50
4124-39	39	A	42,00
4124-40	40	A	35,70
4124-41	41	A	42,30
4124-42	42	A	37,60
4124-43	43	A	42,40
4124-44	44	A	37,80
4124-45	45	A	39,00
4124-46	46	A	41,50

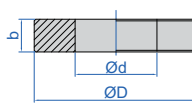
Code	Diameter mm	Type	price/pc
4124-47	47	A	42,50
4124-48	48	A	43,50
4124-49	49	A	51,80
4124-50	50	A	44,50
4124-52	52	B	55,80
4124-55	55	B	55,00
4124-60	60	B	55,80
4124-65	65	B	67,80
4124-70	70	B	72,10
4124-75	75	B	86,10
4124-80	80	B	86,40
4124-85	85	B	93,60
4124-90	90	B	102,60
4124-95	95	B	109,80
4124-100	100	B	109,80

Setting rings

- For zero setting of inside micrometers and bore gages
- The size marked on the setting ring is checked at the direction of the marking line
- Deviation (difference between the ordered size and the size marked on the setting ring when supplied): For example, the ordered size is Ø10.125mm, the size marked on the setting ring when supplied may be Ø10.135mm
- Meet DIN2250-1:2008



Ø100mm-400mm



Ø15mm-100mm



CAN SUPPLY CUSTOM SETTING RINGS FROM Ø1.500MM
TO Ø400.000MM, FOR EXAMPLE, Ø17.085MM

6312-
from: **37,20**
price/pc

Diameter d	b	b1	ØD	Deviation	Roundness and cylindricity
Ø100-110	30	8	164	±10.0µm	1.0µm
Ø110-130	34	10	192	±10.0µm	1.0µm
Ø130-150	34	10	220	±10.0µm	1.2µm
Ø150-170	36	10	248	±10.0µm	1.5µm
Ø170-190	36	10	276	±10.0µm	1.5µm
Ø190-210	38	10	300	±10.0µm	1.5µm
Ø210-230	38	10	324	±10.0µm	2.5µm
Ø230-250	40	12	350	±10.0µm	2.5µm
Ø250-270	40	12	375	±10.0µm	3.0µm
Ø270-290	42	12	400	±10.0µm	3.0µm
Ø290-300	42	12	425	±10.0µm	3.0µm
Ø300-320	42	12	430	±10.0µm	4.0µm
Ø320-330	42	12	440	±10.0µm	4.0µm
Ø330-340	42	12	450	±10.0µm	4.0µm
Ø340-350	42	12	460	±10.0µm	4.0µm
Ø350-360	42	12	470	±10.0µm	4.0µm
Ø360-370	42	12	480	±10.0µm	4.0µm
Ø370-380	42	12	490	±10.0µm	4.0µm
Ø380-390	42	12	500	±10.0µm	4.0µm
Ø390-400	42	12	510	±10.0µm	4.0µm

Diameter d	b	ØD	Deviation	Roundness and cylindricity
Ø1.5-2.5	4	22	±10.0µm	0.3µm
Ø2.5-3	5	22	±10.0µm	0.3µm
Ø3-5	5	22	±10.0µm	0.4µm
Ø5-10	8	32	±10.0µm	0.4µm
Ø10-15	10	38	±10.0µm	0.5µm
Ø15-18	12	45	±10.0µm	0.5µm
Ø18-20	12	45	±10.0µm	0.6µm
Ø20-25	14	53	±10.0µm	0.6µm
Ø25-30	16	63	±10.0µm	0.6µm
Ø30-32	16	63	±10.0µm	0.7µm
Ø32-40	18	71	±10.0µm	0.7µm
Ø40-50	20	85	±10.0µm	0.7µm
Ø50-60	20	100	±10.0µm	0.8µm
Ø60-70	24	112	±10.0µm	0.8µm
Ø70-80	24	125	±10.0µm	0.8µm
Ø80-90	24	140	±10.0µm	1.0µm
Ø90-100	24	160	±10.0µm	1.0µm

** For example Ø3-5mm means Ø3mm<diameter d≤5mm



6312-20

Code	Size mm	price/pc
6312-1D5	Ø1.5	104,40
6312-2	Ø2	86,80
6312-3	Ø3	49,70
6312-3D5	Ø3.5	55,00
6312-4	Ø4	38,50
6312-4D5	Ø4.5	64,80
6312-5	Ø5	37,40
6312-5D5	Ø5.5	64,20
6312-6	Ø6	37,20
6312-6D5	Ø6.5	64,80
6312-7	Ø7	37,20
6312-7D5	Ø7.5	70,70
6312-8	Ø8	37,20
6312-8D5	Ø8.5	70,70
6312-9	Ø9	37,20
6312-9D5	Ø9.5	70,00
6312-10	Ø10	37,20
6312-10D5	Ø10.5	99,90
6312-11	Ø11	37,90
6312-11D5	Ø11.5	98,10
6312-12	Ø12	38,30

Code	Size mm	price/pc
6312-12D5	Ø12.5	98,10
6312-13	Ø13	39,60
6312-13D5	Ø13.5	99,90
6312-14	Ø14	39,60
6312-14D5	Ø14.5	96,30
6312-15	Ø15	40,40
6312-15D5	Ø15.5	98,10
6312-16	Ø16	41,70
6312-16D5	Ø16.5	99,90
6312-17	Ø17	41,70
6312-17D5	Ø17.5	98,10
6312-18	Ø18	41,70
6312-18D5	Ø18.5	96,30
6312-19	Ø19	42,70
6312-19D5	Ø19.5	98,10
6312-20	Ø20	42,70
6312-20D5	Ø20.5	106,20
6312-21	Ø21	48,10
6312-21D5	Ø21.5	104,40
6312-22	Ø22	44,70
6312-22D5	Ø22.5	101,70
6312-23	Ø23	47,70

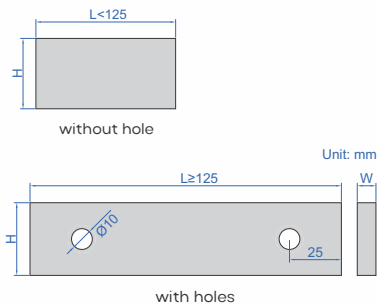
Code	Size mm	price/pc
6312-23D5	Ø23.5	104,40
6312-24	Ø24	44,70
6312-24D5	Ø24.5	106,20
6312-25	Ø25	45,20
6312-25D5	Ø25.5	101,70
6312-26	Ø26	48,10
6312-26D5	Ø26.5	106,20
6312-27	Ø27	50,40
6312-27D5	Ø27.5	101,70
6312-28	Ø28	48,10
6312-28D5	Ø28.5	104,40
6312-29	Ø29	51,00
6312-29D5	Ø29.5	104,40
6312-30	Ø30	50,40
6312-31	Ø31	53,70
6312-32	Ø32	48,40
6312-33	Ø33	53,70
6312-34	Ø34	50,40
6312-35	Ø35	51,30
6312-36	Ø36	54,10
6312-37	Ø37	58,40
6312-38	Ø38	54,70

Code	Size mm	price/pc
6312-39	Ø39	57,70
6312-40	Ø40	57,70
6312-41	Ø41	61,30
6312-42	Ø42	60,30
6312-43	Ø43	61,30
6312-44	Ø44	60,30
6312-45	Ø45	60,30
6312-46	Ø46	64,70
6312-47	Ø47	64,70
6312-48	Ø48	64,70
6312-49	Ø49	66,60
6312-50	Ø50	65,20
6312-55	Ø55	76,00
6312-60	Ø60	79,90
6312-62	Ø62	83,20
6312-65	Ø65	83,00
6312-70	Ø70	86,30
6312-75	Ø75	90,00
6312-80	Ø80	95,40
6312-85	Ø85	118,80
6312-87	Ø87	119,70
6312-90	Ø90	119,70

Code	Size mm	price/pc
6312-95	Ø95	132,30
6312-100	Ø100	161,10
6312-112D5	Ø112.5	293,40
6312-125	Ø125	253,80
6312-137D5	Ø137.5	405,90
6312-150	Ø150	288,90
6312-162D5	Ø162.5	668,70
6312-175	Ø175	445,50
6312-187D5	Ø187.5	644,40
6312-200	Ø200	557,10
6312-212D5	Ø212.5	1.471,50
6312-225	Ø225	698,40
6312-237D5	Ø237.5	1.865,70
6312-250	Ø250	848,70
6312-262D5	Ø262.5	2.286,90
6312-275	Ø275	990,90
6312-287D5	Ø287.5	2.034,90
6312-300	Ø300	1.141,20
6312-350	Ø350	3.066,30
6312-400	Ø400	4.214,70
-	-	-
-	-	-

Steel gage block sets

- Made of alloy steel
- Meet ISO3650
- Gage blocks ≥125mm have clamping holes



Dimension:

Size(L)	W	H
0.5 ≤ L ≤ 10mm	9mm	30mm
L > 10mm	9mm	35mm

4100-
from: **90,90**
price/set

Blocks per set	Gage blocks included in set			Code (4100)		
	Size (mm)	Step (mm)	Quantity	Grade 0 price/SET	Grade 1 price/SET	Grade 2 price/SET
122	1.0005		1			
	1.001-1.009	0.001	9			
	1.01-1.49	0.01	49			
	1.6-19	0.1	4	-122	-1122	-2122
	0.5-24.5	0.5	49	1.233,90	845,10	512,10
	30-100	10	8			
112	25-75	50	2			
	1.0005		1			
	1.001-1.009	0.001	9			
	1.01-1.49	0.01	49			
103	0.5-24.5	0.5	49	-112	-1112	-2112
	25-100	25	4	1.144,80	739,80	423,00
	1.0005		1			
	1.01-1.49	0.01	49			
88	0.5-24.5	0.5	49	-103	-1103	-2103
	25-100	25	4	1.058,40	617,40	352,80
	1.0005		1			
	1.01-1.49	0.01	49			
87	0.5-24.5	0.5	49	-88	-188	-288
	25-100	25	4	930,60	527,40	307,80
	1.0005		1			
	1.01-1.49	0.01	49			
83	0.5-24.5	0.5	49	-87	-187	-287
	25-100	25	4	825,30	513,00	302,40
	1.0005		1			
	1.01-1.49	0.01	49			
76	0.5-24.5	0.5	49	-83	-183	-283
	25-100	25	4	752,40	414,00	256,50
	1.0005		1			
	1.01-1.49	0.01	49			
76	0.5-24.5	0.5	49	-76	-176	-276
	25-100	25	4	758,70	388,80	208,80
	1.0005		1			
	1.01-1.49	0.01	49			

Code example:
“-122” stands for “4100-122”



Blocks per set	Gage blocks included in set			Code (4100)		
	Size (mm)	Step (mm)	Quantity	Grade 0 price/SET	Grade 1 price/SET	Grade 2 price/SET
56	0.5		1			
	1.001-1.009	0.001	9			
	1.01-1.09	0.01	9			
	1.1-1.9	0.1	9	-56	-156	-256
	1-24	1	24	564,30	319,50	205,20
	25-100	25	4			
47	1.005		1			
	1.01-1.09	0.01	9			
	1.1-1.9	0.1	9	-47A	-147A	-247A
	1-24	1	24	582,30	342,90	219,60
	25-100	25	4			
	1.005		1			
47	1.01-1.19	0.01	19			
	1.2-1.9	0.1	8	-47	-147	-247
	1-9	1	9	527,40	315,90	188,10
	10-100	10	10			
	1.0005		1			
	1.001-1.009	0.001	9			
46	1.01-1.09	0.01	9			
	1.1-1.9	0.1	9	-46	-146	-246
	1-9	1	9	564,30	307,80	186,30
	10-100	10	10			
	1.0005		1			
	1.001-1.009	0.001	9			
34	1.01-1.09	0.01	9			
	1.1-1.9	0.1	9	-34	-134	-234
	1-5	1	5	319,50	229,50	127,80
	10		1			
	1.0005		1			
	1.001-1.009	0.001	9			
32	1.01-1.09	0.01	9			
	1.1-1.9	0.1	9	-32	-132	-232
	1-9	1	9	369,90	230,40	119,70
	10-30	10	3			
	50		1			
	1.0005		1			
9	1.001-1.009	0.001	9	-9	-19	-29
				132,30	115,20	91,80
9	0.991-0.999	0.001	9	-9A	-19A	-29A
				132,30	115,20	90,90
8	125-175	25	3			
	200-250	50	2	-8	-18	-28
	300-500	100	3	1.511,10	932,40	704,70

Steel pin gage sets

- Meet DIN2269, grade 1
- Made of alloy steel
- Hardness HRC62-65
- Diameter accuracy: ±1μm

Code	Diameter Ød (mm)	Step mm	Pin gages per set	price/set
4166-2S	1.00, 1.01, 1.02, ..., 2.00	0.01	101	421,20
4166-3S	2.00, 2.01, 2.02, ..., 3.00	0.01	101	421,20
4166-4S	3.00, 3.01, 3.02, ..., 4.00	0.01	101	421,20
4166-5S	4.00, 4.01, 4.02, ..., 5.00	0.01	101	421,20
4166-6S	5.00, 5.01, 5.02, ..., 6.00	0.01	101	421,20
4166-7S	6.00, 6.01, 6.02, ..., 7.00	0.01	101	421,20
4166-8S	7.00, 7.01, 7.02, ..., 8.00	0.01	101	421,20
4166-9S	8.00, 8.01, 8.02, ..., 9.00	0.01	101	421,20
4166-10S	9.00, 9.01, 9.02, ..., 10.00	0.01	101	421,20

Code	Diameter Ød (mm)	Step mm	Pin gages per set	price/set
4166-0D	0.20, 0.21, 0.22, ..., 0.50	0.01	31	136,80
4166-1	0.50, 0.51, 0.52, ..., 1.00	0.01	51	212,40
4166-1D	1.00, 1.01, 1.02, ..., 1.50	0.01	51	212,40
4166-2	1.50, 1.51, 1.52, ..., 2.00	0.01	51	212,40
4166-2D	2.00, 2.01, 2.02, ..., 2.50	0.01	51	212,40
4166-3	2.50, 2.51, 2.52, ..., 3.00	0.01	51	212,40
4166-3D	3.00, 3.01, 3.02, ..., 3.50	0.01	51	212,40
4166-4	3.50, 3.51, 3.52, ..., 4.00	0.01	51	212,40
4166-4D	4.00, 4.01, 4.02, ..., 4.50	0.01	51	212,40
4166-5	4.50, 4.51, 4.52, ..., 5.00	0.01	51	212,40
4166-5D	5.00, 5.01, 5.02, ..., 5.50	0.01	51	212,40
4166-6	5.50, 5.51, 5.52, ..., 6.00	0.01	51	212,40
4166-6D	6.00, 6.01, 6.02, ..., 6.50	0.01	51	212,40
4166-7	6.50, 6.51, 6.52, ..., 7.00	0.01	51	212,40
4166-7D	7.00, 7.01, 7.02, ..., 7.50	0.01	51	212,40
4166-8	7.50, 7.51, 7.52, ..., 8.00	0.01	51	212,40
4166-8D	8.00, 8.01, 8.02, ..., 8.50	0.01	51	212,40
4166-9	8.50, 8.51, 8.52, ..., 9.00	0.01	51	212,40
4166-9D	9.00, 9.01, 9.02, ..., 9.50	0.01	51	227,70
4166-10	9.50, 9.51, 9.52, ..., 10.00	0.01	51	228,60



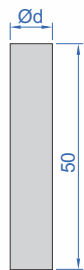
4166-
from: **136,80**
price/set

4166-511

Code	Diameter Ød (mm)	Step mm	Pin gages per set	price/set
4166-411	1.0, 1.1, 1.2, ..., 5.0	0.01	41	141,30
4166-511	5.0, 5.1, 5.2, ..., 10.0	0.01	51	189,90
4166-512	10.0, 10.1, 10.2, ..., 15.0	0.01	51	264,60
4166-513	15.0, 15.1, 15.2, ..., 20.0	0.01	51	398,70

Code	Diameter Ød (mm)	Step mm	Pin gages per set	price/set
4166-10D	10.00, 10.01, 10.02, ..., 10.50	0.01	51	274,50
4166-11	10.50, 10.51, 10.52, ..., 11.00	0.01	51	283,50
4166-11D	11.00, 11.01, 11.02, ..., 11.50	0.01	51	274,50
4166-12	11.50, 11.51, 11.52, ..., 12.00	0.01	51	276,30
4166-12D	12.00, 12.01, 12.02, ..., 12.50	0.01	51	276,30
4166-13	12.50, 12.51, 12.52, ..., 13.00	0.01	51	277,20
4166-13D	13.00, 13.01, 13.02, ..., 13.50	0.01	51	360,90
4166-14	13.50, 13.51, 13.52, ..., 14.00	0.01	51	362,70
4166-14D	14.00, 14.01, 14.02, ..., 14.50	0.01	51	346,50
4166-15	14.50, 14.51, 14.52, ..., 15.00	0.01	51	356,40
4166-15D	15.00, 15.01, 15.02, ..., 15.50	0.01	51	347,40
4166-16	15.50, 15.51, 15.52, ..., 16.00	0.01	51	361,80
4166-16D	16.00, 16.01, 16.02, ..., 16.50	0.01	51	350,10
4166-17	16.50, 16.51, 16.52, ..., 17.00	0.01	51	363,60
4166-17D	17.00, 17.01, 17.02, ..., 17.50	0.01	51	434,70
4166-18	17.50, 17.51, 17.52, ..., 18.00	0.01	51	452,70
4166-18D	18.00, 18.01, 18.02, ..., 18.50	0.01	51	436,50
4166-19	18.50, 18.51, 18.52, ..., 19.00	0.01	51	454,50
4166-19D	19.00, 19.01, 19.02, ..., 19.50	0.01	51	440,10
4166-20	19.50, 19.51, 19.52, ..., 20.00	0.01	51	433,80

Unit: mm



Digital refractometer, ISQ-DRM31

- Quickly measure the concentration of coolant, sugar solution, juice and drinks
- Two measurement modes: single measurement and automatic average multiple measurement
- Two units: brix and refractive index
- Refer to the refraction factor of coolant, for example: the refraction factor of grinding emulsion is 2.1, the reading value is 6%, so the actual concentration is $(2.1 \times 6\%) = 12.6\%$
- Automatic power off



SUITABLE FOR WATER BASED COOLANT



VIDEO

ISQ-DRM31
220,00
price/pc

dropper (included)



STANDARD DELIVERY

Main unit	1 pc
Dropper	1 pc
Battery (AAA)	1 pc

SPECIFICATION

Measuring range	0-50% (1.3330-1.4200RI)
Accuracy	±0.2% (±0.0003RI)
Resolution	0.1% (0.0001RI)
Power supply	1xAAA battery
Dimension	121x58x25mm
Weight	90g

Anemometer

- Measure air velocity and temperature
- Min/Max, data hold function
- Bluetooth 4.0
- Auto power off
- Supplied with APP for Apple and Android

0110-1125
89,90
price/pc



STANDARD DELIVERY

Main unit	1 pc
Battery	1 pc

SPECIFICATION

	Unit	Measuring range	Resolution	Accuracy
Air velocity	m/s	1.1-25.0	0.01	±(3%+0.3)
	km/h	4-90	0.1	±(3%+1)
	ft/min	220-4920	1	±(3%+40)
	MPH	2.5-56.0	0.1	±(3%+0.4)
	knots	2.2-48.0	0.1	±(3%+0.4)
Air temperature	°C	0-50	0.1	±2
	°F	32-122	0.1	±4
Sensors	air velocity sensor, NTC-type precision thermistor			
Sampling time	0.5s			
Operation altitude	max 2000m			
Operation environment	0-50°C, 0-80%RH			
Storage environment	-10-60°C, 0-80%RH			
Auto power off	10 minutes			
Data port	bluetooth 4.0			
Power supply	9V			
Dimension	213x54x36mm			
Weight	172g			

Laser distance meters

- High accuracy models: 9561-50B, 9561-70B Low accuracy models: 9561-50B-F, 9561-70B-F
- Large display with backlight
- Unit: m, ft, in, ft-in
- Distance, area, volume and height measurement
- Continuous measuring mode to track maximum and minimum value
- Memory of 30 measurement values
- Automatic power off: laser 30s, main unit 180s

9561-
from: **28,00**
price/pc



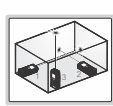
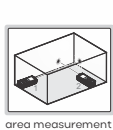
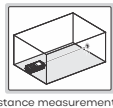
STANDARD DELIVERY

Main unit	1 pc
Battery (AAA)	2 pcs

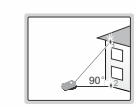
SPECIFICATION

Code	9561-50B	9561-70B	9561-50B-F	9561-70B-F
Measuring range	0.2-50m	0.2-70m	0.2-50m	0.2-70m
Resolution	0.001m, 0.01ft, 1/16"			
Accuracy	±(3+D/20)mm D: measured distance, unit: m ±(5+D/20)mm D: measured distance, unit: m			
Laser type	630-670nm, class II, <1mW			
Power supply	2xAAA batteries			
Dimension (LxWxH)	115x50x28mm			
Weight	95g			
Price/pc	35,00	41,00	28,00	32,00

distance measurement



area measurement

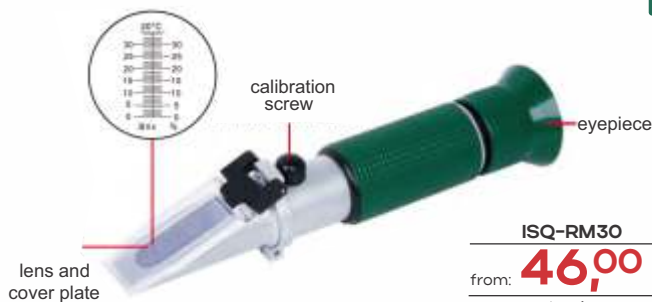


volume measurement

height measurement

Portable refractometer, ISQ-RM30

- Quickly measure the concentration of coolant
- Refer to the refraction factor of coolant, for example: the refraction factor of grinding emulsion is 2.1, the reading value is 6%, so the actual concentration is $(2.1 \times 6\%) = 12.6\%$



ISQ-RM30
from: **46,00**
price/pc

SPECIFICATION

Measuring range	0-32%
Graduation	0.2%
Dimension	27x40x160mm
Weight	175g

Sound level meter (basic type)

- Auto range selection
- Over range indication
- Display backlight
- Min/Max, data hold function
- Bluetooth 4.0
- Auto power off
- Supplied with APP for Apple and Android

0010-A35
89,90
price/pc



STANDARD DELIVERY

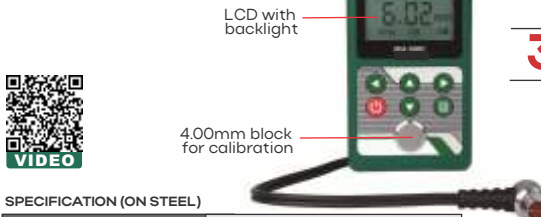
Main unit	1 pc
Battery	1 pc
Windscreen	1 pc

SPECIFICATION

Frequency	31.5Hz-8KHz
Measuring range	35dB-130dB
Accuracy	±3.0dB (ref 94dB@1kHz)
Resolution	0.1dB
Frequency weighting	A and C
Display update	2 times/sec
Microphone	1/2 inch electret condenser microphone
Power supply	9V battery
Operation temperature and humidity	0°C-40°C/32°F-104°F, 10%RH-90%RH
Dimension	185x54x36mm
Weight	184g

Ultrasonic thickness gage (basic type), ISU-100D

- Measure the thickness from one side of objects, suitable for pipes, tanks, etc.
- Applicable material: steel, stainless steel, glass, copper, brass, polystyrene, titanium, etc.



ATTENTION: NOT SUITABLE FOR CASTINGS AND ALUMINUM WORKPIECES

ISU-100D
350,00
price/pc

SPECIFICATION (ON STEEL)

Measuring range	0.8-300mm
Resolution	0.1/0.01mm
Accuracy	±0.05mm (H<10mm) ±(0.05+H/1000)mm (10sH<100mm) ±H/333mm (H≥100mm) H is the thickness to be measured in mm
Transducer	frequency 5MHz diameter (Ød) 10.8mm
Minimum size of pipes	20x1.2mm (diameterxwall thickness)
Velocity	1000-9999m/s
Operation temperature	main unit: -20-50°C transducer: -20-60°C
Measuring unit	mm/inch
Power supply	2xAAA batteries
Dimension	114x64x28mm
Weight	200g

STANDARD DELIVERY

Main unit	1 pc
Transducer	1 pc
Couplant	1 bottle
Battery (AAA)	2 pcs

Portable leeb hardness testers (basic type)

- Can change probes
- Dual-coil probe for high accuracy
- Universal testing angle, no need to set impact direction
- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC, HRB), Shore (HSD) and tensile strength (σ_b)
- Dual value display, shows both Leeb and converted hardness
- Large LCD display with backlight
- Can choose large font display and statistics display
- Automatically calculate maximum, minimum and average value
- Save 300 data
- Operation temperature: -10°C~45°C
- According to ASTM A956, GB/T 17394



SPECIFICATION

Code	HDT-LP200	HDT-LP200B
Printer	not included	included
Resolution	1HLD/1HV/1HB/0.1HRC/0.1HRB/ 0.1HSD/1 b	
Accuracy	±6HLD (when HLD=800)	
Measuring range	HL 170-960/HRC 17-70/HRB 13-109/ HB 20-655/HV 80-940/HSD 32-99.5/ b(rm) 255-2639N/mm ²	
Power supply	2xAA battery	
Dimension	135×77×32mm	
Weight	240g	
Price/pc	299,00	491,00

HDT-
from: **299,00**
price/pc



HDT-LP200



hardness test block D (included)



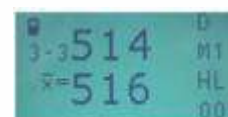
small support ring (included)



bluetooth printer (included in HDT-LP200B)



large font display



statistics display

STANDARD DELIVERY

Main unit	1 pc
Hardness test block D	1 pc
Small support ring	1 pc
Cleaning brush	1 pc
Impact device D	1 pc
Bluetooth printer (included in HDT-LP200B)	1 pc

Roughness tester (separable type), ISR-C300

- Roughness tester can be operated by mobile phones (only Android system) or computers
- Data can be sent to Excel by connecting to computers via bluetooth or SPC cable
- Support bluetooth printer
- 22 roughness parameters
- Meet ISO, DIN, ANSI, JIS standards
- Display roughness values, profile and curve
- Memory of maximum 100 data and waveform
- Built-in lithium battery, working time more than 50 hours
- Touch screen
- Automatic power off

roughness tester screen display



measurement result



roughness profile



Rmr analysis



software flash disk (included)



probe and main unit can be combined together



ISR-C300

799,00

price/pc

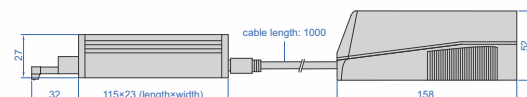
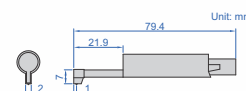


CAN BE OPERATED BY
COMPUTERS OR MOBILE PHONES

BLUETOOTH

TOUCH SCREEN

DATA
OUTPUT



operate roughness tester by mobile phones



connect to mobile phones via bluetooth
(only Android system),
display roughness values, profile and curve

operate roughness tester by computers



connect to computers via USB cable (software is included),
display roughness values, profile and curve

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