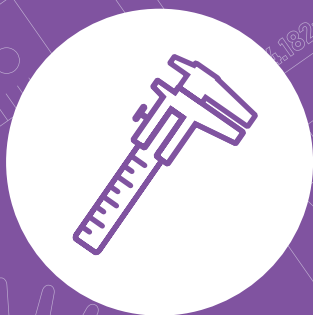


Measuring Solutions

EDITION 75

Calipers



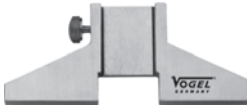


Calipers

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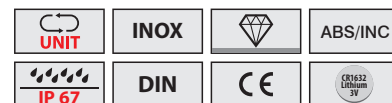
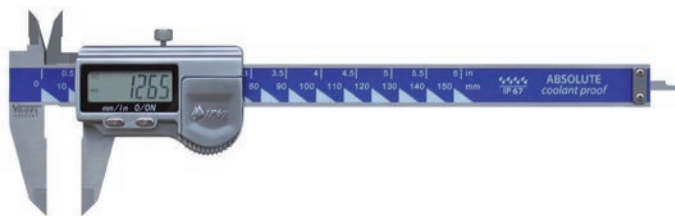
				
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Standard Digital Calipers

"Absolute" Electr. Digital Caliper • IP67

DIN 876

- professional standard caliper
- with metal housing and metal function buttons
- water- a. coolant proof acc. to DIN 40050 / IEC 60529
- without data output
- sturdy quality, stainless steel, hardened
- large LCD display with clear reading, 9 mm digit height
- jaws finely ground and lapped
- On/Off button, autom. shutdown, with ABS/INC measuring system
- With locking screw, with screwed battery compartment cover
- mm/inch switchable, zero setting at any position
- incl. 1x 3 V battery (type CR1632, art.-no.: 90101), with operation manual



ART N°	mm / inch	mm / inch	mm	max. mm	mm	mm	mm	flat	on request
202130-2	150 / 6	0.01 / 0.0005	0.01	0.03	40	16	flat	on request	
202131-2	200 / 8	0.01 / 0.0005	0.01	0.03	50	19.5	flat	on request	
202132-2	300 / 12	0.01 / 0.0005	0.01	0.03	60	20.5	flat	on request	

"Absolute" Electr. Digital Caliper • IP54

DIN 862

- professional standard caliper
- with optical tolerance alarm by LED signal
- with glass rail for more accuracy
- with data output (micro USB)
- spray water proof acc. to DIN 40050 / IEC 60529



- sturdy quality, stainless steel, hardened
- large LCD display with clear reading, 9 mm digit height
- jaws finely ground and lapped, with fixing screw
- with PRESET/ORIGIN/ABS/INC-system
- On/Off button, autom. power off
- mm/inch switchable, zero setting at any position
- incl. 2x 3 V battery (type CR2032, art.-no.: 90112), with operation manual

Options

- data transfer via cable, art.-no.: 3420195, see page 272
- data transfer via WiFi, art.-no.: 2040102, see page 272
- data transfer via Bluetooth®, art.-no.: 209009, see page 272



ART N°	mm / inch	mm / inch	mm	max. mm	mm	mm	mm	flat	on request
202180	150 / 6	0.01 / 0.0005	0.01	0.02	40	16	flat	on request	
202181	200 / 8	0.01 / 0.0005	0.01	0.03	50	19.5	flat	on request	
202182	300 / 12	0.01 / 0.0005	0.01	0.03	60	20.5	flat	on request	

Explore our
Website.

www.vogel-germany.de



VOGEL
GERMANY

Any questions?

We are pleased to advise.

Electr. Digital Caliper • IP67

DIN 862

- professional standard caliper
- water and coolant proof acc. to DIN 40050 / IEC 60529
- with integrated Bluetooth® technology (max. 5m distance)

- mechanic parts stainless, hardened steel
- large LCD display with clear reading, digit height 13 mm
- measuring jaws finely ground and lapped
- On/Off-button, with fixing screw, with thumbroll
- mm/inch switchable, zero-setting at any position
- incl. 2x 3 V battery (type CR2032, art. no. 90112), with operation manual

Option

- data transfer via Bluetooth®, art. no.: 2023106, see page 272



ART No								
202420-2	150 / 6	0.01 / 0.0005	0.01	0.02	40	16.5	flat	on request
202421-2	200 / 8	0.01 / 0.0005	0.01	0.02	50	19.5	flat	on request
202422-2	300 / 12	0.01 / 0.0005	0.01	0.03	60	20.5	flat	on request

Electr. Digital Caliper • IP54

DIN 862

- standard caliper
- with glass rail for more accuracy
- spray water proof acc. to DIN 40050 / IEC 60529

- sturdy quality, stainless steel, hardened
- large LCD display with clear reading, 9 mm digit height
- jaws finely ground and lapped, with fixing screw
- On/Off button, with ABS/INC measuring system
- graduation in mm or inch, zero setting at any position
- incl. 1x 3 V battery (type CR2032, art. no. 90112), with operation manual



ART No								
202160-2	150 / 6	0.01 / 0.0005	0.01	0.02	40	16	flat	on request
202161-2	200 / 8	0.01 / 0.0005	0.01	0.03	50	19.5	flat	on request
202162-2	300 / 12	0.01 / 0.0005	0.01	0.03	60	20.5	flat	on request

Electr. Digital Caliper

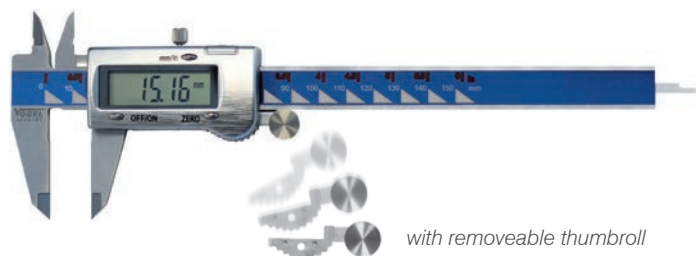
DIN 862

- standard caliper
- with glass rail for more accuracy
- housing with metal cover and metal buttons
- with data output (mini USB)

- sturdy quality, stainless steel, hardened
- with or without thumbroll (included, for self installation)
- large LCD display with clear reading, 9 mm digit height
- jaws finely ground and lapped
- On/Off-button, with flat or round depth gauge
- mm/inch switchable, zero setting at any position
- incl. 1x 3 V battery (type CR2032, art. no.: 90112), with operation manual

Option

- data transfer via cable, art. no.: 209001, see page 272



with removeable thumbroll



ART No								
202040-3	150 / 6	0.01 / 0.0005	0.01	0.02	40	16.5	flat	on request
202041-3	200 / 8	0.01 / 0.0005	0.01	0.03	50	19.5	flat	on request
202042-3	300 / 12	0.01 / 0.0005	0.01	0.03	60	20.5	flat	on request
202043-3	150 / 6	0.01 / 0.0005	0.01	0.02	40	16.5	round	on request

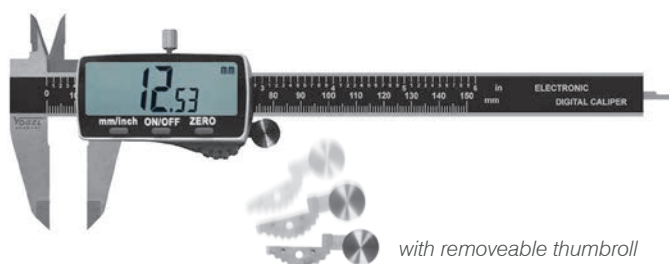
Standard Digital Calipers

Electr. Digital Caliper

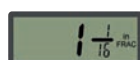
DIN 862

- standard caliper
- with extrem large LCD display

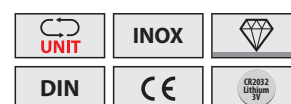
- mechanic parts stainless steel, hardened
- large LCD display with clear reading, digit height 15 mm
- measuring jaws finely ground and lapped
- On/Off-button, with fixing screw
- mm/inch/frac in inch switchable, Zero-setting at any position
- incl. 1x 3 V battery (type CR2032, art. no.: 90112), with operation manual



with removeable thumbroll



display with fraction number in inch



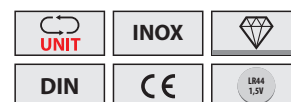
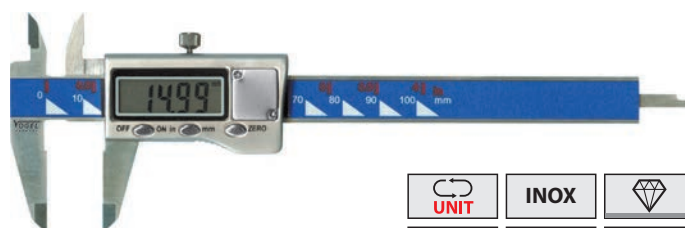
ART No	mm / inch	mm / inch	mm	max. mm	mm	mm	mm	CC
202011-3	150 / 6	0.01 / 0.0005	0.01	0.03	40	16.5	flat	on request
202012-3	200 / 8	0.01 / 0.0005	0.01	0.03	50	19.5	flat	on request
202013-3	300 / 12	0.01 / 0.0005	0.01	0.04	60	20.5	flat	on request

Electr. Digital Caliper

DIN 862

- with metal housing and metal buttons

- sturdy quality, stainless steel, hardened
- large LCD display with clear reading, 8 mm digit height
- jaws finely ground and lapped, with fixing screw
- On/Off button
- mm/inch switchable, zero setting at any position
- incl. 2x 1.5 V battery (type LR44, art. no.: 90213), with operation manual



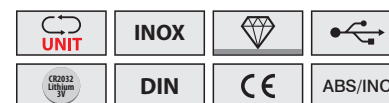
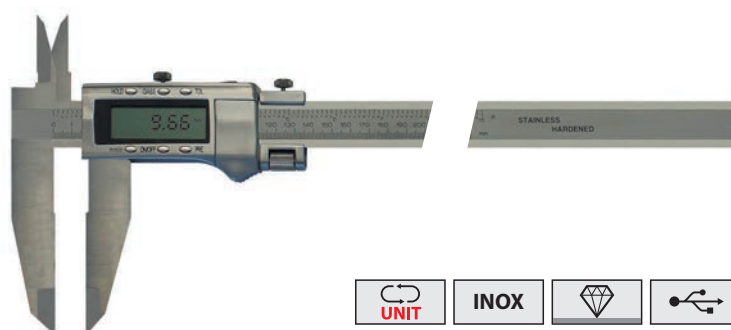
ART No	mm / inch	mm / inch	mm	max. mm	mm	mm	mm	CC
202140	100 / 4	0.01 / 0.0005	0.01	0.02	30.5	12.5	flat	on request

Electr. Digital Caliper

DIN 862

- with metal housing and metal buttons
- standard model for larger measuring range
- with data output (mini USB)

- sturdy quality, stainless steel, hardened
- large LCD display with clear reading, 9 mm digit height
- jaws finely ground and lapped, with fixing screw and fine adjustment
- On/Off button, with ABS/INC measuring system
- mm/inch switchable, zero setting at any position
- incl. 1x 3 V battery (type CR2032, art. no.: 90112), with operation manual



Option

- data transfer via cable, art. no. 209001, see page 272

ART No	mm / inch	mm / inch	mm	max. mm	mm	mm	CC
202065	400 / 16	0.01 / 0.0005	0.01	0.05	100	38	on request
202066	500 / 20	0.01 / 0.0005	0.01	0.05	100	38	on request
202067	600 / 24	0.01 / 0.0005	0.01	0.05	100	38	on request
202068	800 / 32	0.01 / 0.0005	0.01	0.06	125	51.5	on request
202069	1000 / 40	0.01 / 0.0005	0.01	0.07	125	51.5	on request

Electr. Digital Caliper

DIN 862

• for left hand use

- stainless, hardened
- large LCD display with clear reading, 10 mm digit height
- jaws finely ground and lapped
- On/Off button, with flat depth gauge
- mm/inch switchable, zero setting at any position
- incl. 1x 1.5 V battery (type LR 44, art. no.: 90213), with operating manual



Option

- data transfer via cable, art. no.: 209001 see page 272



ART N°	mm / inch	mm / inch	mm	mm	mm	mm	mm
202037	150 / 6	0.01 / 0.0005	0.01	0.03	40	16.5	flat
202038	200 / 8	0.01 / 0.0005	0.01	0.03	50	19.5	flat

Electr. Digital Caliper

DIN 862

• made of carbon fiberglass, non-conductive and especially made for electronic and sensitive purposes, like food sector and automotive parts

- large LCD display with clear reading, 13 mm digit height
- autom. On/Off
- mm/inch switchable, zero setting at any position
- art. no. 202202 without depth gauge, made of carbon fiberglass
- art. no. 202203 with flat depth gauge, made of carbon fiberglass
- incl. 1x 1,5 V battery (type LR44, art. no.: 90213), with operation manual



ART N°	mm / inch	mm / inch	mm	mm	mm	mm	mm
202202	100 / 4	0.1 / 0.01	0.1	0.2	30	12	—
202203	150 / 6	0.1 / 0.01	0.1	0.2	40	16	flat

Electr. Digital Caliper

• for standard requirements • mechanic in stainless steel, hardened • with thumbroll

- large LCD display with clear reading, 13 mm high
- jaws finely ground and lapped, flat depth gauge
- On/Off button, mm/inch, zero setting at any position
- incl. 1x 1.5 V battery (type LR44, art. no.: 90213)



ART N°	mm / inch	mm / inch	mm	mm	mm	mm	mm
202002	150 / 6	0.01 / 0.0005	0.01	0.05	40	16	flat

You can't find the right caliper?
We are happy to help you to find a solution.

Special Digital Calipers

Electr. Digital Special Caliper

- to measure especially deep grooves
- with metal cover and metal button
- with data output (mini USB)
- sturdy quality, stainless steel, hardened
- with or without thumbroll (included, for self installation)
- large LCD display with clear reading, 9 mm digit height
- jaws finely ground and lapped
- On/Off button, with flat depth gauge
- mm/inch switchable, zero setting at any position
- incl. 1x 3 V battery (type CR2032, art. no.: 90112), with operation manual



with removeable thumbroll

Option

- data transfer via cable, art. no.: 209001, see page 272



UNIT

INOX

CR2032 Lithium 3V

DIN

CE

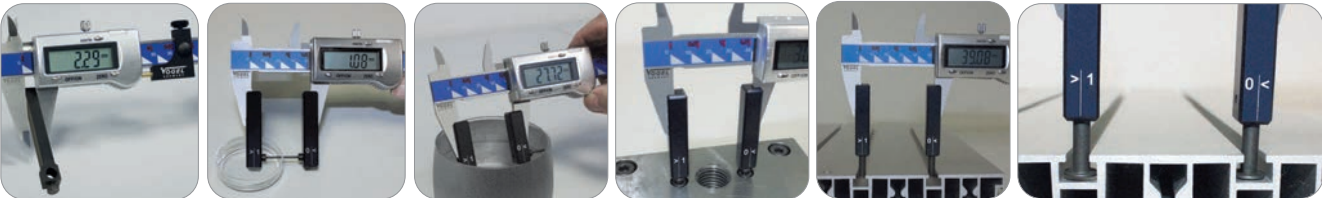
ART N°									
202027	150 / 6	0.01 / 0.0005	0.01	0.04	40	45	flat	on request	

Accessories for Digital Calipers

- for many purposes
- 6 pairs of different probes
- 2 adapter pairs, different sizes
- with measuring force system (for permanent uniform pressure)
- for calipers up to 300 mm



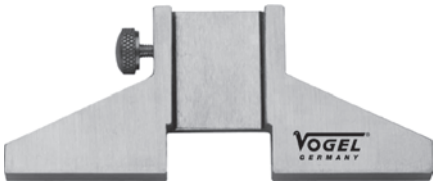
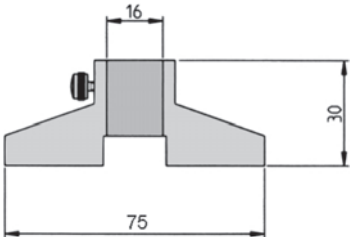
measuring force testing system



ART N°	description
209333	Accessories for Digital Calipers

Measuring Bridge

- for depth measuring
- for all pocket vernier calipers up to 200 mm
- stainless steel, hardened
- with fixing screw



INOX

ART N°	mm
2002092	75

Electr. Digital Workshop Caliper

acc. to workshop grade

modern design, lightweight model

- solid shape, made of anodized hard aluminium
- stainless, hardened jaws and Inside measuring approaches
- with two adjustable, exchangeable measuring jaws
- LCD display with clear reading, digit height 10 mm
- On/Off button, mm/inch switchable, „0“ setting at any position, ABS system
- for inside and outside measurements (PRESET)
- slides perfectly because of double-prismatic-lead
- slide rail made of oxide coated aluminium
- with measuring force limitation for permanent uniform pressure
- incl. 1x 3 V battery (type CR2032, art. no.: 90112), with operation manual

Options

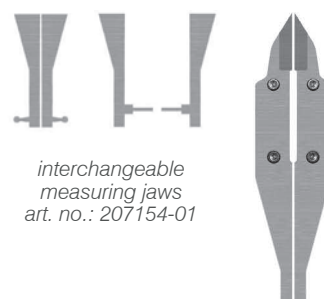
- art. no. 207154-01: pair of measuring jaws, jaw length 90mm changeable, contact points at the lower ends, thread M2.5
- art. no. 207154-02: setting gauge
- art. no. 207154-03: holder for probes



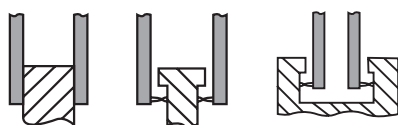
setting gauge
art. no.: 207154-02



holder for probes
art. no.: 207154-03



interchangeable
measuring jaws
art. no.: 207154-01



ART NO	mm / inch	mm / inch	mm	mm	mm	mm	mm	CC
207150	300 / 12	0.01 / 0.0005	0.01	0.04	90	35	10	on request
207151	500 / 20	0.01 / 0.0005	0.01	0.05	90	35	10	on request
207152	800 / 32	0.01 / 0.0005	0.01	0.06	90	35	10	on request
207153	1000 / 40	0.01 / 0.0005	0.01	0.06	90	35	10	on request

Electr. Digital Workshop Caliper

acc. to Workshop grade

for simple workshop use modern design, lightweight model

- solid shape, made of anodized hard aluminium
- stainless, hardened jaws and Inside measuring approaches
- with two adjustable, exchangeable measuring jaws
- LCD display with clear reading, digit height 10 mm
- On/Off push button, mm/inch switchable, „0“ setting on each position, ABS system
- for inside and outside measurements (PRESET)
- perfectly sliding sliding parts thanks to plastic bearings double prism guide
- slide rail made of aluminium oxide coated
- with measuring force limitation for permanent uniform pressure
- incl. 1x 3 V battery (type CR2032, art. no.: 90112) with operation manual

Options

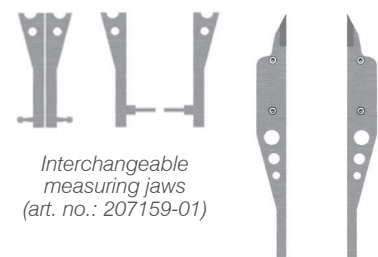
- art. no. 207159-0: pair of measuring jaws, jaw length 150 mm interchangeable, contact points at the lower ends, thread M2.5
- art. no. 207154-02: setting gauge
- art. no. 207154-03: holder for probes



setting gauge
(art. no.: 207154-02)



holder for probes
(art. no.: 207154-03)



Interchangeable
measuring jaws
(art. no.: 207159-01)



ART NO	mm / inch	mm / inch	mm	mm	mm	mm	CC
207155	1500 / 60	0.01 / 0.0005	0.01	0.1	150	20	on request
207156	2000 / 80	0.01 / 0.0005	0.01	0.13	150	20	on request
207157	2500 / 100	0.01 / 0.0005	0.01	0.2	150	20	on request
207158	3000 / 120	0.01 / 0.0005	0.01	0.25	150	20	on request

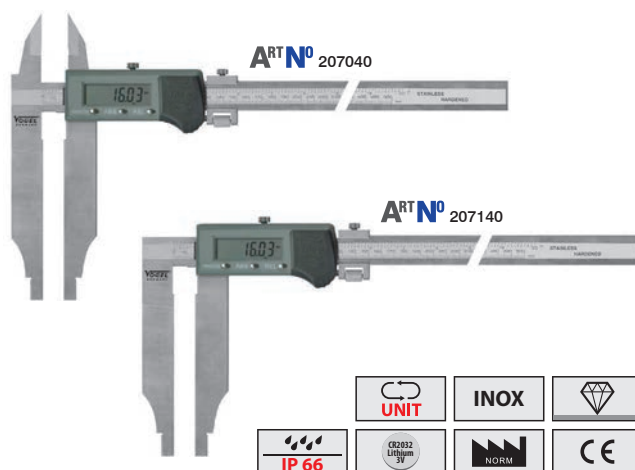
Digital Workshop Calipers

Electr. Digital Workshop Caliper • IP66

acc. to workshop grade

• water and coolant proof acc. to DIN 40050 / IEC 60529

- stainless steel, hardened
- large LCD display with clear reading, digit height 11 mm
- jaws finely ground and lapped
- offset jaws for inside measurements
- On/Off button, automatic shutdown, mm/inch switchable
- zero setting at any position, with REL-, ABS- and PRESET-mode
- function buttons made of metal
- with fine adjustment, with or without knife points
- incl. 1x 3 V battery (type CR2032, art. no.: 90112), with operation manual



ART N°	mm / inch	mm / inch	mm	mm	mm	mm	ø mm	CC
207040	500 / 20	0.01 / 0.0005	0.01	0.06	100	56	20	on request
207041	500 / 20	0.01 / 0.0005	0.01	0.06	150	56	20	on request
207140	500 / 20	0.01 / 0.0005	0.01	0.06	100	—	20	on request
207141	500 / 20	0.01 / 0.0005	0.01	0.06	150	—	20	on request
207144	800 / 32	0.01 / 0.0005	0.01	0.07	150	—	20	on request
207145	800 / 32	0.01 / 0.0005	0.01	0.07	200	—	20	on request
207146	1000 / 40	0.01 / 0.0005	0.01	0.07	150	—	20	on request
207147	1000 / 40	0.01 / 0.0005	0.01	0.08	200	—	20	on request
207048	1000 / 40	0.01 / 0.0005	0.01	0.07	150	67	20	on request
207049	1000 / 40	0.01 / 0.0005	0.01	0.08	200	67	20	on request

„Absolute“ Electr. Digital Workshop Caliper • IP54

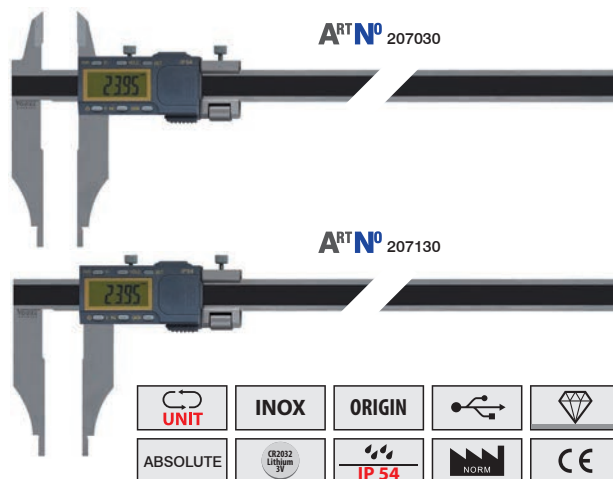
acc. to workshop grade

• water- and coolant proof acc. 40050 / IEC 60529

- large LCD display with clear reading, 11 mm digit height
- mechanic parts, stainless steel, hardened
- measuring jaws finely ground and lapped
- offset jaws for inside measurements
- with PRESET/ORIGIN/ABS/INC-system
- On/Off button, mm/inch switchable
- zero-setting at any position, DATA HOLD function
- with fine adjustment, with or without knife points
- incl. 2x 3 V batteries (type CR2032, art. no.: 90112), with operation manual

Options

- data transfer via cable, art. no.: 2420194, see page 272
- data transfer via WiFi, art. no.: 2040101, see page 272
- data transfer via Bluetooth®, art. no.: 2023106 + 209000, see page 272



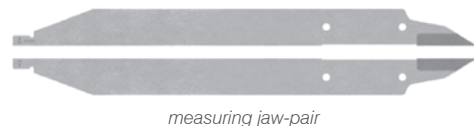
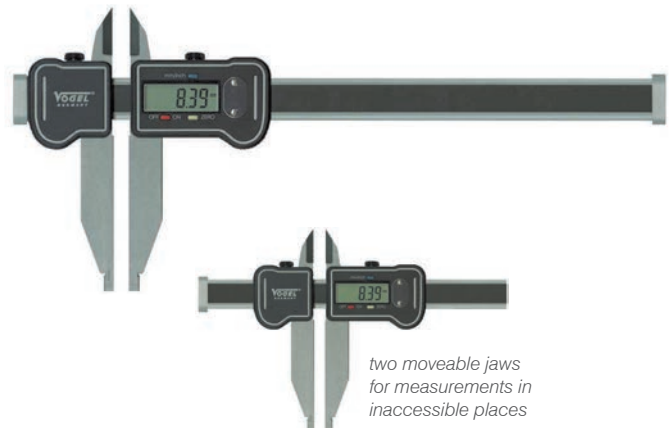
ART N°	mm / inch	mm / inch	mm	mm	mm	mm	ø mm	CC
207030	300 / 12	0.01 / 0.0005	0.01	0.03	90	38	10	on request
207031	500 / 20	0.01 / 0.0005	0.01	0.05	150	60	20	on request
207032	1000 / 40	0.01 / 0.0005	0.01	0.06	150	63	20	on request
207130	300 / 12	0.01 / 0.0005	0.01	0.03	90	—	10	on request
207131	500 / 20	0.01 / 0.0005	0.01	0.05	150	—	20	on request
207132	1000 / 40	0.01 / 0.0005	0.01	0.06	150	—	20	on request

Digital Workshop and Pocket Vernier Calipers

Electr. Digital Workshop Caliper

acc. to workshop grade

- with two moveable, exchangeable jaws
 - modern design, lightweight model, made of anodized hard aluminium
 - stainless, hardened measuring jaws and tips
 - jaws finely ground
 - with two adjustable, exchangeable measuring jaws
 - LCD display with clear reading, digit height 10 mm
 - On/Off button, mm/inch switchable, zero setting at any position
 - slides perfectly because of double-prismatic-lead
 - rail and electronic housing made of anodized aluminium
 - incl. 1x 1.5 V battery (type LR44, art.-no. 90213), with operation manual
- Options**
- art.-no. 200891: measuring jaw-pair, jaw length 125 mm, exchangeable
 - art.-no. 200892: measuring jaw-pair, jaw length 150 mm, exchangeable



measuring jaw-pair

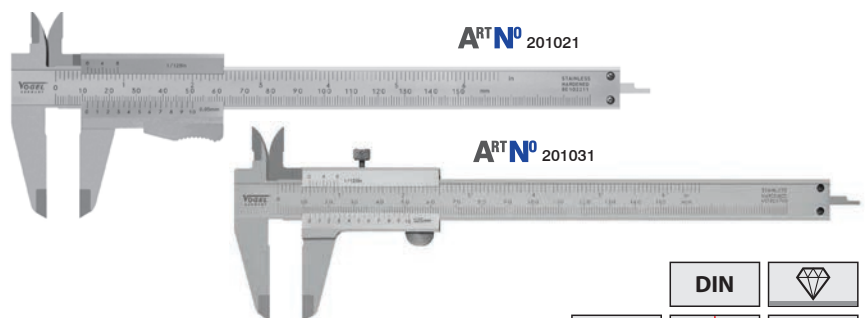


	 mm / inch	 mm / inch	 mm	 mm	 mm	 mm	 ø mm	
200880	300 / 12	0.01 / 0.0005	0.01	0.04	90	40	10	on request
200881	500 / 20	0.01 / 0.0005	0.01	0.05	90	40	10	on request
200882	800 / 32	0.01 / 0.0005	0.01	0.06	90	40	10	on request

Pocket Vernier Caliper

DIN 862

- standard caliper
- stainless steel, hardened
- reading in mm/inch, scale laser engraved
- jaws fine ground and lapped
- mono-block vernier
- flat or round depth gauge



ART No thumb locking	ART No fixing screw	mm / inch	mm bottom	inch top	mm	mm		CC
201021	201031	150 / 6	0.05	1/128	40	16	flat	on request
201022	201032	150 / 6	0.05	1/128	40	16	round	on request
201024	201034	200 / 8	0.05	1/128	50	19	flat	on request
201025	201035	150 / 6	0.02	1/1000	40	16	flat	on request
201026	201036	200 / 8	0.02	1/1000	40/50	16/19	flat	on request
—	201038	200 / 8	0.05	1/128	40	16	round	on request
—	201013	300 / 12	0.05	1/128	55/60	20	flat	on request
—	201015	300 / 12	0.02	1/1000	64	20	flat	on request

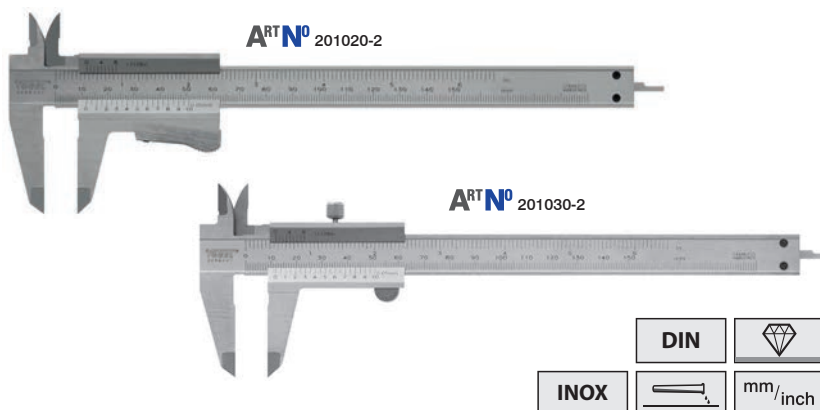
Vernier Calipers

Pocket Vernier Caliper

DIN 862

- professional standard caliper

- inox, hardened
- graduation in mm/inch, scale etched
- reading satin chrome finish, flat depth gauge
- jaws finely ground and lapped



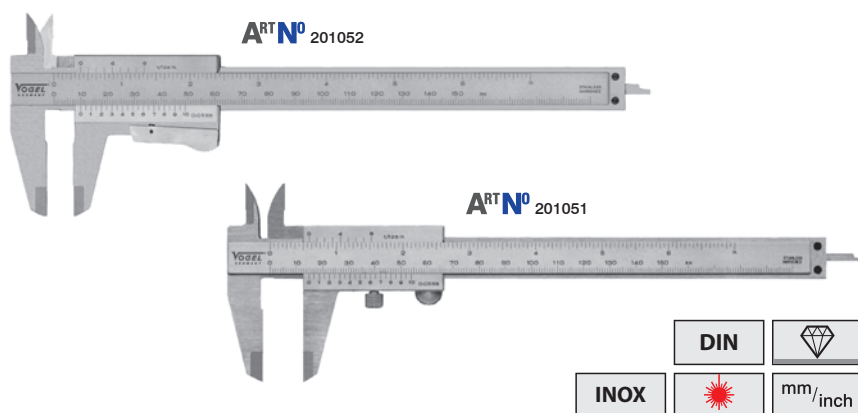
ART No thumb locking	ART No fixing screw	mm / inch	mm bottom	inch top	mm	mm	flat
201020-2	201030-2	150 / 6	0.05	1/128	40	16	flat

Pocket Vernier Caliper

DIN 862

- with parallaxfree reading

- stainless steel, hardened
- graduation in mm/inch, laser engraved scale
- reading satin chrome finish
- jaws finely ground and lapped, flat depth gauge
- mono-block vernier



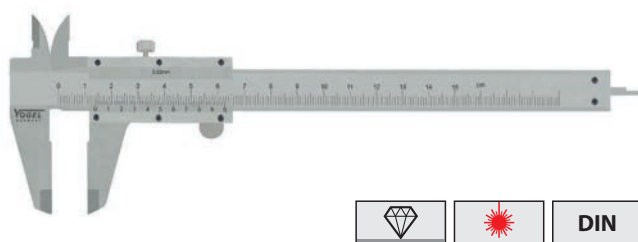
ART No thumb locking	ART No fixing screw	mm / inch	mm bottom	inch top	mm	mm	flat	CC
201052	201051	150 / 6	0.05	1/128	40	16	flat	on request

Pocket Vernier Caliper

DIN 862

- for DIY requirements

- reading in mm/cm
- reading satin chrome finish
- hardened
- jaws fine ground
- with fixing screw
- flat depth gauge



ART No	mm	mm	mm	mm	flat
201005	150	0.02	40	16	flat

Vernier and Dial Calipers

Pocket Vernier Caliper

DIN 862

- with thumb locking
- for left-handed use
- stainless steel, hardened
- graduation in mm/inch, laser engraved scale
- scale and vernier satin chrome finish
- jaws finely ground and lapped
- mono block vernier

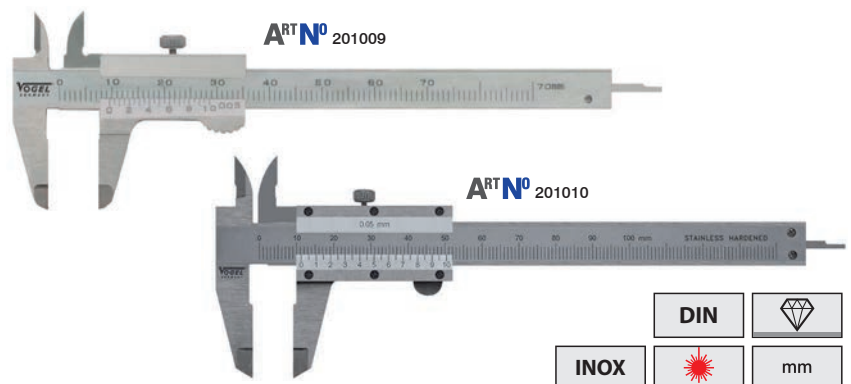


ART No	mm / inch	mm bottom	inch top	mm	mm	flat	CC
201027	150 / 6	0.05	1/128	40	16	flat	on request

Small Pocket Vernier Caliper

DIN 862

- for crafts, also very popular promotional item
- stainless steel, hardened
- scale and vernier satin chrome finish, laser engraved scale
- jaws finely ground and lapped
- with fixing screw

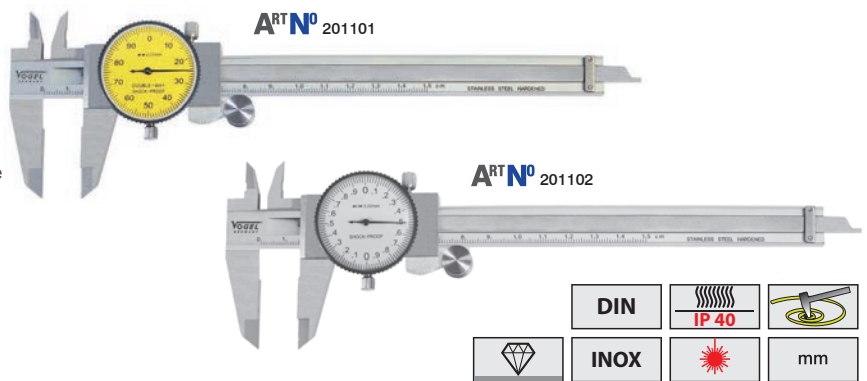


ART No	mm	mm	mm	mm	flat	CC
201009	70	0.05	20	9	flat	on request
201010	100	0.05	30	13	flat	on request

Dial Caliper • IP40

DIN 862

- economic model, shock proof mechanics
- for fast and accurate reading
- stainless steel, hardened
- measuring rail matt chrome finish, laser engraved scale
- jaws finely ground and lapped
- dust proof housing, flat depth gauge
- with thumb roll for fine adjustment
- with fixing screw



ART No	mm	mm	mm	mm	mm	flat	CC
201101	150	0.01	1	40	16.5	flat	on request
201108	200	0.01	1	48	19.5	flat	on request
201109	300	0.01	1	62	22	flat	on request
201102	150	0.02	2	40	16.5	flat	on request
201103	200	0.02	2	48	19.5	flat	on request
201104	300	0.02	2	62	22.0	flat	on request

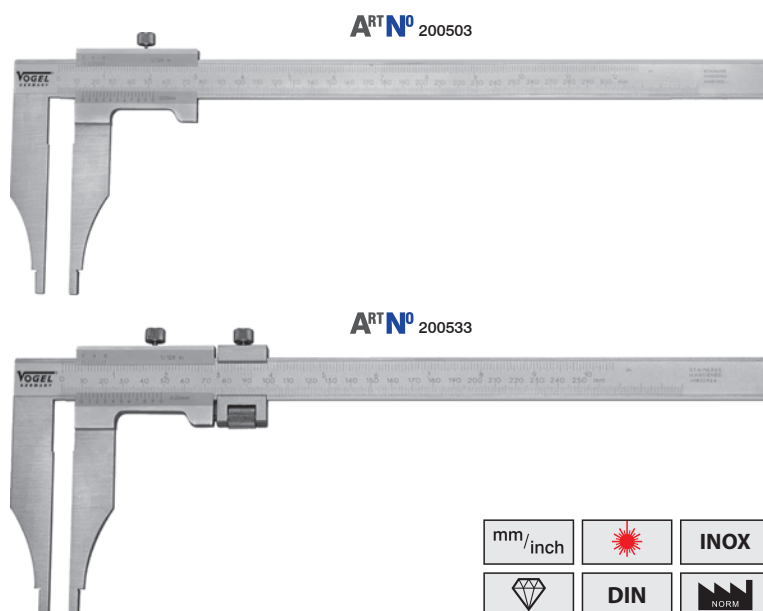
Analog Workshop Calipers

Workshop Caliper

DIN 862 or in special sizes acc. to workshop grade

• precision class

- stainless steel, hardened
- scale and vernier satin chrome finish, laser engraved scale
- jaws finely ground
- offset jaws for inside measurements
- with or without fine adjustment, without knife points
- with fixing screw
- mono block vernier
- 0 – 600 mm R mm-pitch
- < 600 mm R cm-pitch



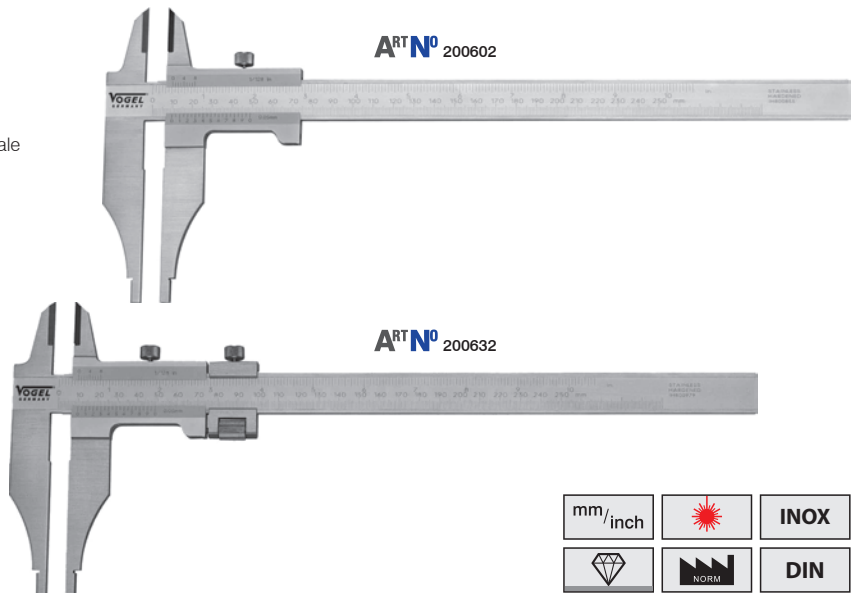
							
200501	200531	200 / 8	0.05	1/128	65	10	on request
200502	200532	250 / 10	0.05	1/128	80	10	on request
200503	200533	300 / 12	0.05	1/128	100	10	on request
—	200533-1	300 / 12	0.05	1/128	150	20	on request
200504	200534	400 / 16	0.05	1/128	100	20	on request
200505	200535	500 / 20	0.05	1/128	150	20	on request
—	200535-1	500 / 20	0.05	1/128	200	20	on request
200505-2	200535-2	500 / 20	0.05	1/128	300	20	on request
200506	200536	600 / 24	0.05	1/128	150	20	on request
—	200536-1	600 / 24	0.05	1/128	200	20	on request
—	200536-2	600 / 24	0.05	1/128	300	20	on request
200508	200538	800 / 32	0.05	1/128	150	20	on request
—	200538-1	800 / 32	0.05	1/128	200	20	on request
—	200538-2	800 / 32	0.05	1/128	300	20	on request
200510	200540	1000 / 40	0.05	1/128	150	20	on request
—	200541	1000 / 40	0.05	1/128	200	20	on request
—	200542	1000 / 40	0.05	1/128	300	20	on request
—	200543	1000 / 40	0.05	1/128	500	20	on request
—	200551	1250 / 50	0.05	1/128	200	20	on request
 200512	 200552	1500 / 60	0.05	1/128	200	20	on request
—	 200552-1	1500 / 60	0.05	1/128	300	20	on request
 200513	 200553	2000 / 80	0.05	1/128	200	20	on request
—	 200553-1	2000 / 80	0.05	1/128	300	20	on request
 200514	 200554	2500 / 100	0.05	1/128	200	20	on request
 200515	 200555	3000 / 120	0.05	1/128	200	20	on request
—	 200555-1	3000 / 120	0.05	1/128	300	20	on request

Workshop Caliper

DIN 862 or in special sizes acc. to workshop grade

• precision class

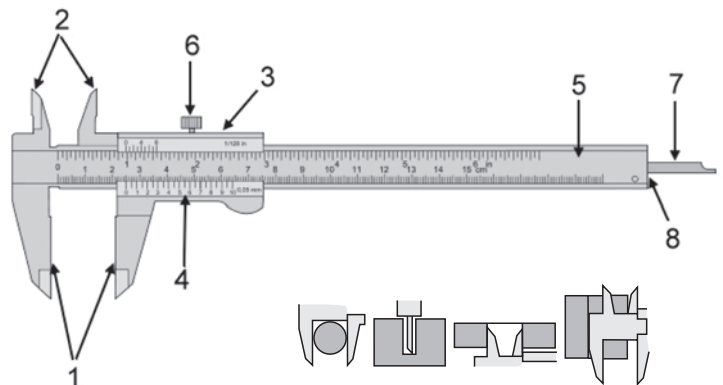
- stainless steel, hardened
- scale and vernier satin chrome finish, laser engraved scale
- jaws finely ground
- offset jaws for inside measurements
- with or without fine adjustment, with knife points
- with fixing screw
- mono block vernier



ART No	ART No	mm / inch	bottom mm	top inch	mm	mm	ø mm	CC
200601	200631	200 / 8	0.05	1/128	65	32	10	on request
200602	200632	250 / 10	0.05	1/128	80	32	10	on request
200603	200633	300 / 12	0.05	1/128	100	32	10	on request
200604	200634	400 / 16	0.05	1/128	125	56	10	on request
200605	200635	500 / 20	0.05	1/128	150	67	20	on request
200606	200636	600 / 24	0.05	1/128	150	67	20	on request
200608	200638	800 / 32	0.05	1/128	150	67	20	on request
200610	200640	1000 / 40	0.05	1/128	150	67	20	on request
200612	200652	1500 / 60	0.05	1/128	200	80	20	on request
200613	200653	2000 / 80	0.05	1/128	200	80	20	on request
200614	200654	2500 / 100	0.05	1/128	200	80	20	on request
200615	200655	3000 / 120	0.05	1/128	200	80	20	on request
200616	200656	3000 / 120	0.05	1/128	300	80	20	on request
200617	200657	3500 / 140	0.05	1/128	200	80	20	on request
200618	200658	3500 / 140	0.05	1/128	300	80	20	on request

Important components of a mechanical caliper

- 1) measuring jaws for external measurement
- 2) measuring tips for inside measurement
- 3) vernier slide
- 4) vernier
- 5) measurement rail with scale
- 6) locking screw
- 7) depth gauge
- 8) measuring surface for depth measurement



Groove Calipers

„Absolute“ Digital Caliper for Inside or Outside Grooves • IP54

DIN 862

- art. no. 201082 – 201084 for inside groove measurement
- art. no. 201096 – 201098 for outside groove measurement
- top model for industry purposes
- with glass rail for more accuracy
- spray water proof acc. to DIN 40050 / IEC 60529
- with data output, top model (connectivity also for Digimatic measuring devices)

- sturdy quality, stainless steel, hardened
- large LCD display with clear reading, 9 mm digit height
- jaws finely ground and lapped, with fixing screw
- On/Off button, with „ORIGIN“ system, with thumbroll
- mm/inch switchable, zero setting at any position
- incl. 1x 3 V battery (type CR2032, art. no.: 90112), with operation manual

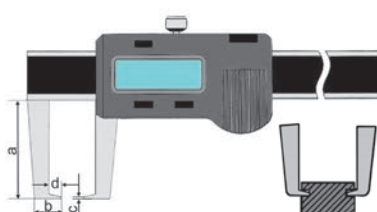
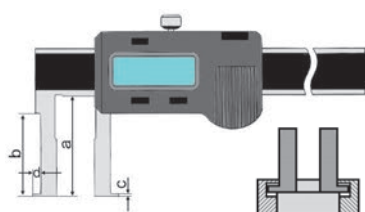
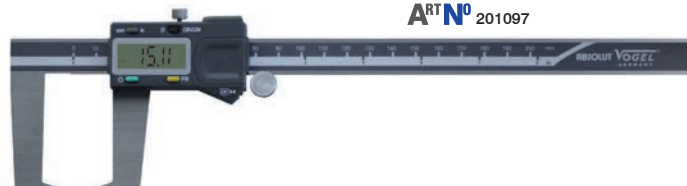
Options

- data transfer via cable, art. no.: 2420194, see page 272
- data transfer via WiFi, art. no.: 2040101, see page 272
- data transfer via Bluetooth®, art. no.: 2023106 + 209000, see page 272

ART N° 201082



ART N° 201097

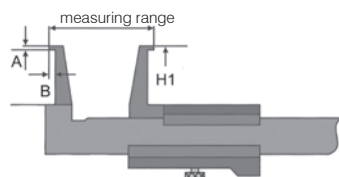
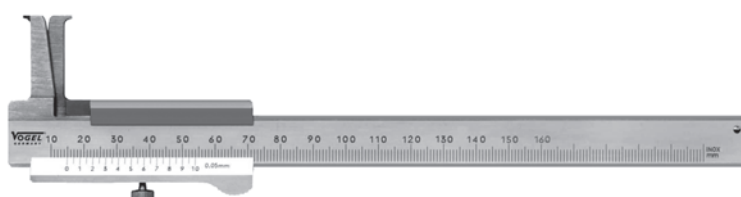


ART N°	type	mm / inch	mm / inch	mm	mm / inch	A mm	B mm	C mm	D mm
201082	inside	20 – 150 / 0 – 6	0.01 / 0.0005	0.01	0.03 / 0.0015	36	30	1.00	3.00
201083	inside	25 – 200 / 0 – 8	0.01 / 0.0005	0.01	0.03 / 0.0015	46	39	1.00	7.00
201084	inside	30 – 300 / 0 – 12	0.01 / 0.0005	0.01	0.04 / 0.0020	56	50	1.00	4.50
201096	outside	0 – 150 / 0 – 6	0.01 / 0.0005	0.01	0.03 / 0.0015	40	15	1.00	5.00
201097	outside	0 – 200 / 0 – 8	0.01 / 0.0005	0.01	0.03 / 0.0015	51	19	1.80	7.00
201098	outside	0 – 300 / 0 – 12	0.01 / 0.0005	0.01	0.04 / 0.0020	60	21	1.80	8.00

Groove Caliper

- to measure groove dimensions

- stainless steel, hardened
- scale and vernier satin chrome finish, laser engraved scale
- with fixing screw



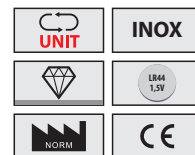
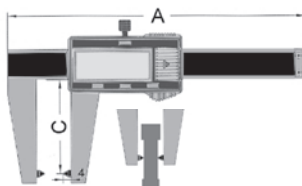
ART N°	mm	mm	A mm	B mm	H1 mm	CC
201075	10 – 160	0.05	0.9	3.5	25	on request
201076	20 – 160	0.05	2	5	40	on request
201077	26 – 200	0.05	3	7	60	on request
201085	30 – 250	0.05	3.5	8.5	78	on request
201086	35 – 300	0.05	5	10	105	on request

Electr. Digital Brake Disc Caliper

acc. to workshop grade

- fast and easy measurement of the brake disc thickness

- stainless steel, hardened
- LCD display with clear reading, digit height 9 mm
- conical, hardened knife points
- zero setting at any position, mm/inch switchable
- On/Off button, with HOLD function
- fixing screw
- incl. 2x 1.5 V battery (type LR44, art. no.: 90213), with operation manual



ART N°	mm / inch	mm / inch	mm	max. mm	A mm	C mm	CC
206020	60.00 / 2.40	0.01 / 0.0005	0.01	0.04	150	50	on request

Electr. Digital Brake Disc Caliper • IP54

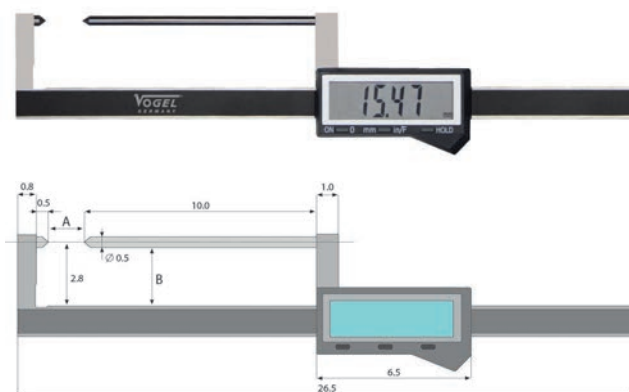
acc. to workshop grade

- for quick and easy measurement WITHOUT removing the tires (only aluminium rims)

- mechanic in stainless steel, hardened
- LCD display with clear reading, digit height 13 mm
- conical, hardened knife points
- zero setting at any position, mm / inch / fraction switchable
- On/Off button, with HOLD function
- incl. 1x 3 V battery (type CR2032, art. no.: 90112), with operation manual



fractional display in inches

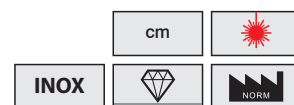
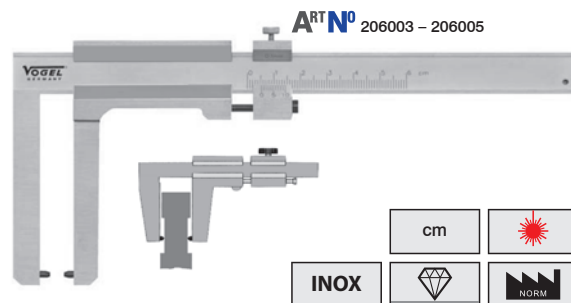
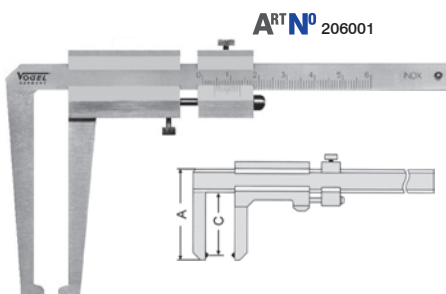


ART N°	mm / inch	mm / inch	mm	max. mm	A mm	B mm
206022	80.00 / 3.20	0.01 / 0.0005	0.02	0.02	85.10	25.50

Brake Disc Caliper

- with drag pointer
- for measuring the thickness of installed brake discs

- stainless steel, hardened
- scale and vernier satin chrome finish, laser engraved scale
- art. no. 206001 with locking screw



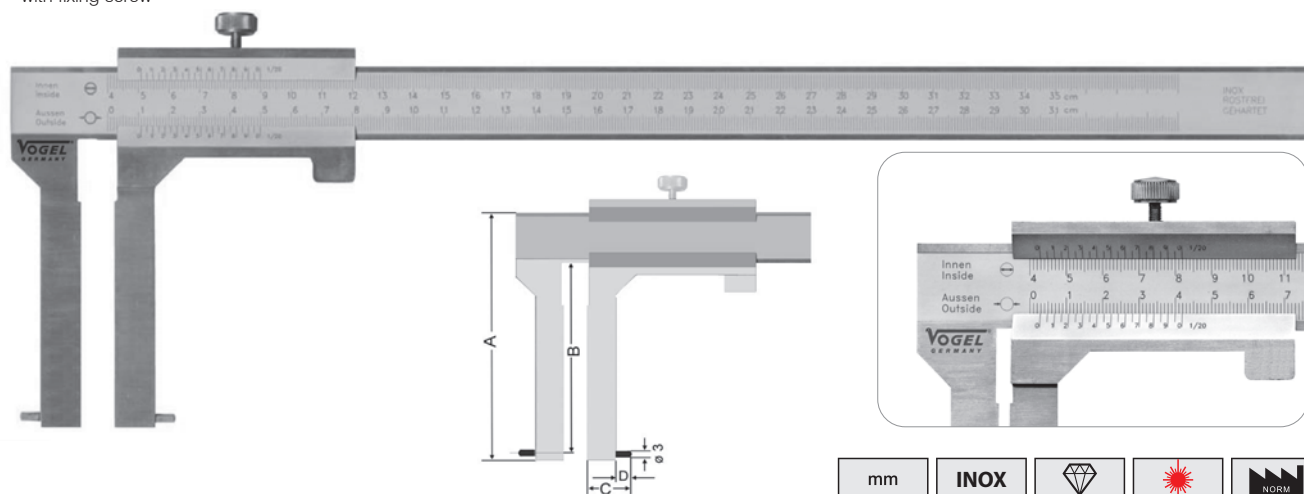
ART N°	mm	mm	A mm	C mm	mm	CC
206001	0 - 60	0.10	86	74	77	on request
206003	0 - 60	0.10	67	50	55	on request
206004	0 - 60	0.10	102	79	83	on request
206005	0 - 90	0.10	142	119	120	on request

Brake Drum and Depth Calipers

Brake Drum Caliper

acc. to workshop grade

- for measuring internal and external diameters
- stainless steel, hardened
- scale and vernier satin chrome finish, laser engraved scale
- with fixing screw



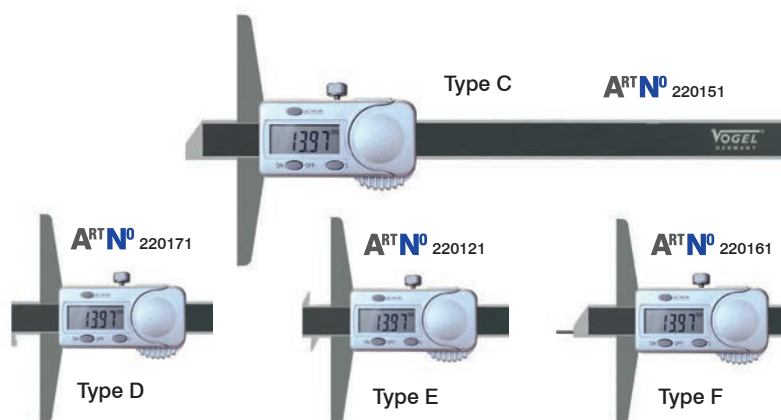
ART N°	inside mm	outside mm	mm	mm	A mm	B mm	C mm	D mm	CC
205203	40 – 300	0 – 300	0.05	93	116	90	20	7	on request
205206	50 – 500	0 – 500	0.05	153	177	150	25	9	on request

Electr. Digital Depth Caliper • IP54

DIN 862

- standard model for industry and craft
- with glass rail for more accuracy
- spray water proof acc. to DIN 40050 / IEC 60529

- sturdy quality, stainless steel, hardened
- large LCD display with clear reading, 9 mm digit height
- stainless, hardened, with fixing screw
- On/Off button
- mm/inch switchable
- zero setting at any position
- incl. 1x 3 V battery (type CR2032, art. no.: 90112), with operation manual



ART N°	type	mm / inch	mm / inch	max. mm	mm	type / size of measuring surface mm	CC
220151	C	150 / 6	0.01 / 0.0005	0.02	100	5.5	on request
220152		200 / 8	0.01 / 0.0005	0.03	100	5.5	on request
220153		300 / 12	0.01 / 0.0005	0.03	150	5.5	on request
220171	D	150 / 6	0.01 / 0.0005	0.02	100	6 / 3.50	on request
220172		200 / 8	0.01 / 0.0005	0.03	100	6 / 3.50	on request
220173		300 / 12	0.01 / 0.0005	0.03	150	7 / 3.50	on request
220121	E	150 / 6	0.01 / 0.0005	0.02	100	20.5 x 6 / 3.5	on request
220122		200 / 8	0.01 / 0.0005	0.03	100	20.5 x 6 / 3.5	on request
220123		300 / 12	0.01 / 0.0005	0.03	150	20.5 x 6 / 3.5	on request
220161	F	150 / 6	0.01 / 0.0005	0.02	100	ø 1.5 / 7	on request
220162		200 / 8	0.01 / 0.0005	0.03	100	ø 1.5 / 7	on request
220163		300 / 12	0.01 / 0.0005	0.03	150	ø 1.5 / 7	on request

Electr. Digital Depth Caliper • IP67

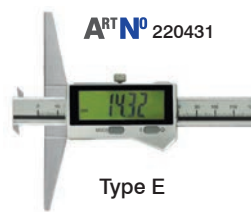
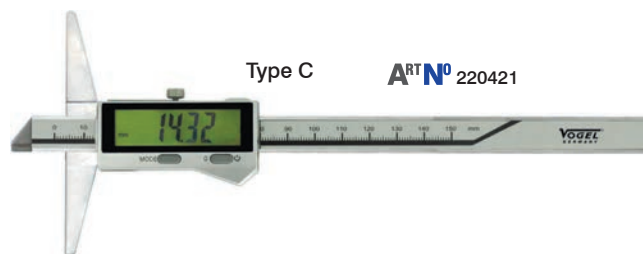
DIN 862

- with integrated Bluetooth® technology
- top model for industry purposes
- water- and coolant proof acc. to DIN 40050 / IEC 60529

- sturdy quality, stainless steel, hardened
- large LCD display with clear reading, 13 mm digit height
- jaws finely ground and lapped, with fixing screw
- On/Off button, data transfer button
- mm/inch switchable, zero setting at any position
- incl. 1x 3 V battery (type CR2032, art. no.: 90112), with operation manual

Option

- data transfer via Bluetooth® (art. no.: 2023106, see page 272)



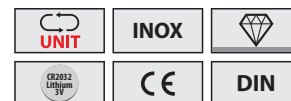
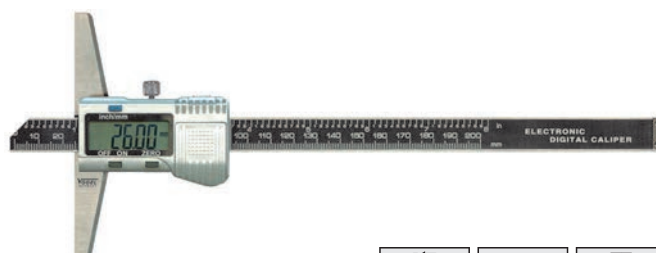
ART N°	type	mm / inch	mm	max. mm	mm / inch	type / size of measuring surface mm	CC
220421	C	150 / 6	0.01 / 0.0005	0.03	100	5.5	on request
220422		200 / 8	0.01 / 0.0005	0.03	100	5.5	on request
220423		300 / 12	0.01 / 0.0005	0.04	150	5.5	on request
220451	D	150 / 6	0.01 / 0.0005	0.03	100	5 / 2	on request
220452		200 / 8	0.01 / 0.0005	0.03	100	5 / 2	on request
220453		300 / 12	0.01 / 0.0005	0.04	150	5 / 2	on request
220431	E	150 / 6	0.01 / 0.0005	0.03	100	26.4 / 4	on request
220432		200 / 8	0.01 / 0.0005	0.03	100	26.4 / 4	on request
220433		300 / 12	0.01 / 0.0005	0.04	150	26.4 / 4	on request
220441	F	150 / 6	0.01 / 0.0005	0.03	100	Ø 1.5 / 6	on request
220442		200 / 8	0.01 / 0.0005	0.03	100	Ø 1.5 / 6	on request
220443		300 / 12	0.01 / 0.0005	0.04	150	Ø 1.5 / 6	on request

Electr. Digital Depth Caliper

DIN 862

- with plastic housing cover

- stainless steel, hardened, measuring surface finely ground
- with fixing screw
- large LCD display with clear reading, digit height 10 mm
- On/Off button, zero setting at any position
- mm / inch switchable
- incl. 1x 3 V battery (type CR2032, art. no.: 90112), with operation manual



ART N°	mm / inch	mm / inch	max. mm	mm	type / size of measuring surface mm	CC
228251	150 / 6	0.01 / 0.0005	0.03	100	6	on request
228252	200 / 8	0.01 / 0.0005	0.03	100	6	on request
228253	300 / 12	0.01 / 0.0005	0.04	100	6	on request

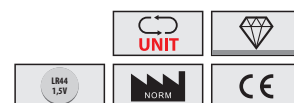
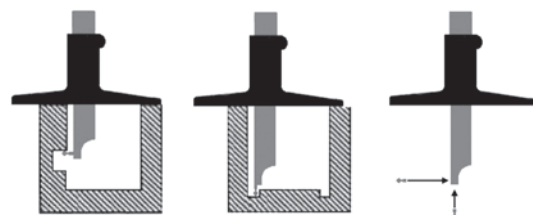
Digital Depth Calipers

Electr. Digital Depth Gauge

acc. to workshop grade

- modern design, lightweight model
- made of anodized hard aluminium
- with exchangeable measuring tips (M2.5)
- with 3 measuring bridges with different length (150 mm, 300 mm, 450 mm)

- LCD display with clear reading, digit height 10 mm
- incl. hardened measuring tips with M2.5 thread, exchangeable
- On/Off button, mm/inch switchable, zero setting at any position
- slides perfectly because of double-prismatic-lead
- rail and electronic housing made of anodized aluminium
- incl. 1x 1.5 V battery (type LR44, art.-no.: 90213), with operation manual and hexagon-key



Spare Measuring Bridge:

- art.-no. 220890: measuring bridge, 150 mm, anodized aluminium
- art.-no. 220891: measuring bridge, 300 mm, anodized aluminium
- art.-no. 220892: measuring bridge, 450 mm, anodized aluminium
- other measuring tips with M2.5 thread, please follow on page 136 – 137

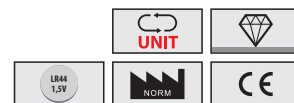
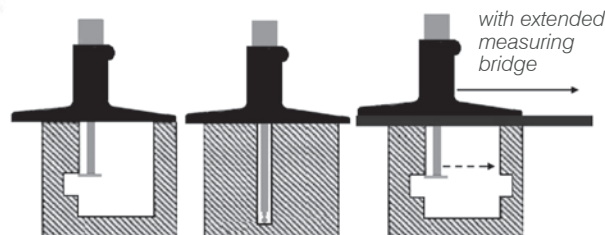
ART NO	mm / inch	mm / inch	mm	max. mm	mm	CC
220880	300 / 12	0.01 / 0.0005	0.01	0.04	150 / 300 / 450	on request
220881	500 / 20	0.01 / 0.0005	0.01	0.05	150 / 300 / 450	on request
220882	800 / 32	0.01 / 0.0005	0.01	0.06	150 / 300 / 450	on request

Electr. Digital Depth Gauge

acc. to workshop grade

- especially for narrow bore depth
- with round depth measuring bar
- modern design, lightweight model
- made of anodized hard aluminium
- with exchangeable measuring tips (M2.5)
- with exchangeable disc inserts
- incl. 2 measuring bridges

- LCD display with clear reading, digit height 10 mm
- incl. hardened measuring tips with M2.5 thread, exchangeable
- incl. plate insert with ø 10 mm with measuring rods-ø 4 mm
- incl. plate insert with ø 20 mm with measuring rods-ø 6 mm
- all sliding parts slide in plastic bearing double prism guide
- rail and electronics housing made of aluminium, oxide-coated
- On/Off button, mm/inch switchable, zero setting at any position
- incl. 1x 1.5 V battery (type LR44, art. no.: 90213), with operation manual and hexagon-key
- further probe tips with M2.5 thread see page 136 – 137



Options

- art. no. 220893: measuring bridge, 550 mm, duraluminium
- art. no. 220894: measuring bridge, 750 mm, duraluminium
- art. no. 220895: measuring bridge, 950 mm, duraluminium
- other measuring tips with M2.5 thread, please follow on page 136 – 137



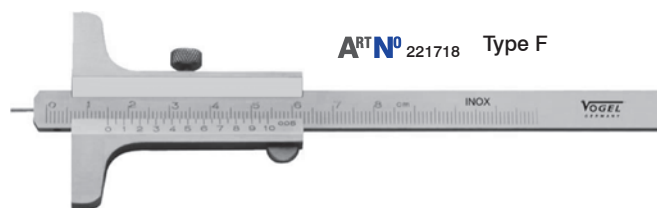
ART NO	mm / inch	mm / inch	mm	max. mm	meas.-beam-ø mm	mm	CC
220840	200 / 8	0.01 / 0.0005	0.01	0.03	4	150/350	on request
220841	300 / 12	0.01 / 0.0005	0.01	0.04	4	150/350	on request
220842	500 / 20	0.01 / 0.0005	0.01	0.05	6	150/350	on request
220843	800 / 32	0.01 / 0.0005	0.01	0.06	6	150/350	on request

Depth Caliper

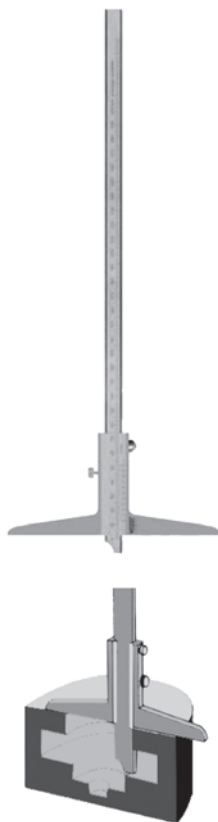
DIN 862

• suitable for craftsmen and industry

- stainless steel, hardened, vernier and scale matt chrome finish
- surfaces finely ground, with fixing screw
- mono block vernier, reading 0.05 mm
- straight bar, series 221530, type "C"
- straight and 90°-hook bar, reversible, series 221630, type "A"
- straight and with 2-hook bar, reversible, series 221830, type "B"
- exchangeable tip, reversible, series 221730, type "G"
- fixed tip, (art. no.: 221718), type "F"



ART N° 221532 Type C



ART N° 221632 Type A



ART N° 221732 Type G



ART N° 221832 Type B



ART N° type C	ART N° type A	ART N° type B	ART N° type G	ART N° type F	 mm	 mm	 mm	
—	—	—	—	221718	80	0.05	50	on request
221530	221630	221830	221730	—	150	0.05	100	on request
221531	221631	221831	221731	—	200	0.05	100	on request
221535	221633	—	221733	—	250	0.05	125	on request
221532	221632	221832	221732	—	300	0.05	150	on request
221533	221634	—	—	—	400	0.05	150	on request
221534	221635	—	221735	—	500	0.05	150	on request
221536	221636	—	—	—	500	0.05	250	on request
221537	—	—	—	—	800	0.05	250	on request
221538	—	—	—	—	1000	0.05	250	on request

Tread Depth Calipers and Height Calipers

Electr. Digital Tread Depth Gauge

• suitable for craftsmen and industry

- large LCD display, digit height 9.5 mm
- On/Off button, zero setting at any position
- mm/inch switchable
- incl. 1x 3 V battery (type CR2032, art. no.: 90112), with operation manual

oval probe tip (4.1 mm x 3.1 mm)



ABS plastic version



round probe tip (ø 1.5 mm)

ART No 214445



mechanical parts and tip in stainless steel



ART No	 mm / inch	 mm / inch	 mm	 mm
214442	0 - 25 / 0 - 1	0.01 / 0.0005	0.03	60
214445	0 - 25 / 0 - 1	0.01 / 0.0005	0.03	45

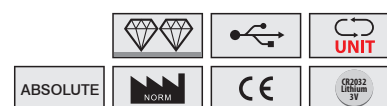
Electr. Digital Height and Marking Gauge

- with „ABSOLUT“ system
- with data output, top model (connectivity also for Digimatic measuring devices)

- stainless steel guideway, with fine adjustment
- LCD with clear figures
- On/Off switch, zero-setting at any position
- reading switchable mm / inch
- data-hold, Preset function ±
- max. slidingspeed 1.5 m/sec.
- carbide tipped drawing point, interchangeable
- at „0“-position the drawing point coincides exactly with the base
- base made of stable cast iron, blue lacquered
- with battery 3 V (type CR 2032, art. no.: 90112), with operation manual

Option

- data transfer via cable, art. no.: 3420195, see page 272



ART No	 mm / inch	 mm / inch	 mm	 mm	 guide bar	 size of base	 on request
340403	300 / 12	0.01 / 0.0005"	0.02	0.03	20 x 6	140 x 90 x 45	on request

„Absolute“ Electr. Digital Height and Marking Gauge

- for standard workshop purposes
- with integrated Bluetooth® technology

- guide bar made of stainless steel
- with handwheel for quick adjustment and fine adjustment
- LCD display with clear reading, digit height 14 mm
- reading mm/inch, switchable, zero-setting at any position
- On/Off switch, hold function, with „ORIGIN“ system
- carbide tipped steel scriber, exchangeable, with racks feed
- at zero-position the drawing point coincides exactly with the base
- with built-in connector for external power supply
- with holder for clamping a dial gauge, massive Special cast iron base, lacquered
- with external digital input function for example digital gauges art. series 240250 – 240257
- incl. 1 x 3 V battery (type CR2032, art. no. 90112), with operation manual

Connections:
Mini-USB
Power Supply



application example

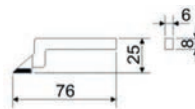


	 mm / inch	 mm / inch	 mm	 mm	 guide bar	 size of base	
341215	300 / 12	0.01 / 0.0005	0.03	0.02	35 x 15	150 x 100 x 50	on request
341216	600 / 24	0.01 / 0.0005	0.05	0.02	35 x 15	150 x 100 x 50	on request

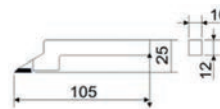
Electr. Digital Height and Marking Gauge

- with „ABSOLUTE“ system
- with data output, top-model

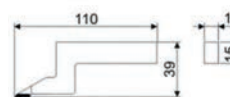
- stainless steel guideway, with fine adjustment
- LCD display with clear reading
- On/Off switch, zero-setting at any position
- reading switchable mm/inch
- tolerance setting, hold function
- presenting of measured values ($\pm$ pre-set), measuring direction switchable
- carbide tipped drawing point, interchangeable
- base made of stable cast iron, grey lacquered
- incl. 1 x 3 V battery (type CR 2032, art. no.: 90112), with operating manual
- (other sizes available on request, 500, 800, 1500 and 2000 mm)



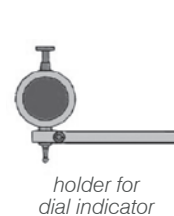
HM-scriber
(art. no. 341301-1)



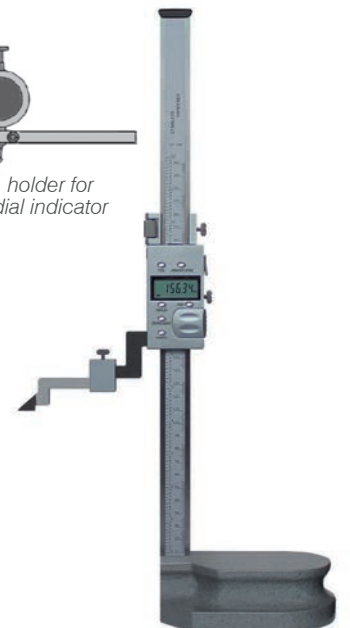
HM-scriber
(art. no. 341302-1)



HM-scriber
(art. no. 341304-1)



holder for
dial indicator



ART N°	 mm / inch	 mm / inch	 mm	 mm	 guide bar	 size of base	
341301	300 / 12	0.02	0.04	0.02	23 x 6	132 x 91 x 44	on request
341303	600 / 24	0.02	0.05	0.02	31 x 10.5	180 x 120 x 54	on request
341305	1000 / 40	0.02	0.07	0.02	50 x 16	250 x 150 x 73	on request

Height Calipers and Gear Teeth Caliper

Universal Height and Marking Gauge

• for standard workshop purposes

- guide bar made of special steel
- reading parts matt chrome finish, with fine adjustment
- at zero-position the scribe coincides exactly with the base
- carbide tipped steel scribe, exchangeable
- sturdy base, cast iron made, lacquered
- art. no. 341113 – 341119 with magnifying glass



without magnifying glass



with magnifying glass

ART N° 341110

ART N° 341113



ART N° 341110-1



spare part - drawing point

ART N° 341113-1



spare part - drawing point

ART N° 341181



spare part - magnifying glass incl. frame



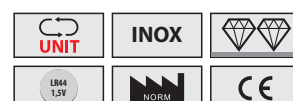
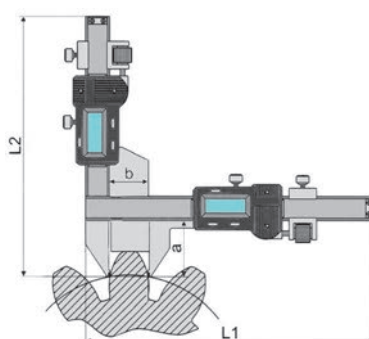
ART N°	 mm	 mm	 mm		 mm guide bar	 mm size of base	
341110	300	0.02	0.04	X	20 x 6	110 x 65 x 32	on request
341111	500	0.02	0.05	X	28 x 8	150 x 110 x 50	on request
341113	300	0.02	0.04	✓	20 x 6	110 x 65 x 32	on request
341116	500	0.02	0.05	✓	35 x 12	170 x 110 x 50	on request

Electr. Digital Gear Teeth Caliper

acc. to workshop grade

• to measure the gear teeth at front-and helical gears, etc.

- stainless steel, hardened
- LCD display with clear reading
- carbide jaws, finely ground
- with fixing screw and fine adjustment on both sides
- On/Off button, zero setting at any position, mm/inch switchable
- incl. 2x 1.5 V battery (type LR44, art. no.: 90213), with operation manual



ART N°	modules mm	 mm / inch	 mm	 mm	L1 mm	L2 mm	a mm	b mm	
202301	3 – 25	0.01 / 0.0005	0.01	0.03	156	156	30.5	21	on request
202302	5 – 50	0.01 / 0.0005	0.01	0.03	210	185.5	50.5	50.5	on request

Brass Button Gauge

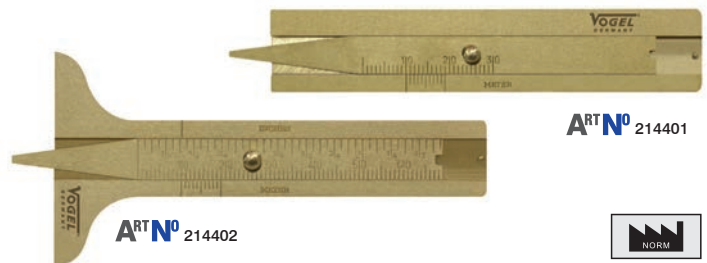
- also very popular as a promotional gift
- made of hard brass
- surface finely ground
- with dove-tail guiding, vernier reading
- promotional engraving possible on the front or rear



ART No round jaws	ART No with inside measurement	 mm / inch	 mm	 mm
214001	214301	80 / 3	0.10	25 (214001) 20 (214301)
214003	214303	100 / 4	0.10	25 (214003) 20 (214303)

Brass Tread Depth Gauge

- also very popular as a promotional gift
- surface finely ground
- with dove-tail guiding, vernier reading
- promotional engraving possible on the front or rear



ART No	 mm / inch	 mm	 mm
214401	30.00 / 1.20	0.10	20
214402	60.00 / 2.40	0.10	50

Individually laser engraved articles!

We engrave special scales, trademarks, pictures, drawings, etc. according to your specifications.

Laser marking is particularly suitable for permanent, tamperproof engravings..

Thanks to our unique flexibility we can offer to our customers favourable prices for marking single pieces as well as for mass production.



Laser engraving is possible on:

- steel, high-grade steel • cast iron
- non-ferrous metals • plastic • self-adhesive foils

Any questions?
We are pleased to advise!

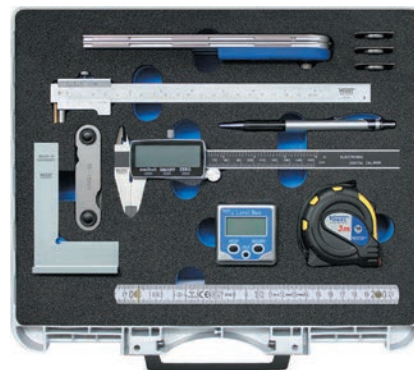
Measuring Tool Sets

Measuring Tool Sets

- selection of need-based compilations

Other combinations available
on request, please!

ART ^{NO} SET	pieces	consisting of	article
330002	10	Electr. Digital Caliper • stainless steel, 150.00 x 0.01 mm / 6 x 0.0005"	202011-3
		Marking Gauge • stainless steel, 200.0 x 0.1 mm, hardened carbide scriber	335070
		Digital Angle Sensor „Level Box“ • +/- 180 x 0.1°	320010
		Digital Protractor • 0 – 360.00 x 0.05° • 200 x 200 mm	320021
		Workshop Square with back • special steel • 100 x 70 mm	312473
		Carbide Marker • with clip • exchangeable tips • push technic	334615
		Pocket Measuring Tape • 3 meter • self adjusting end-hook • • with magnetic dots and lanyard	141003
		Radius Gauge Set • 2 pcs.	472105 472106
		Wood Folding Rule • white • meter • 10 links	1312010200



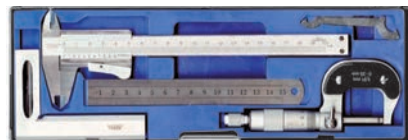
ART ^{NO} SET	pieces	consisting of	article
202091	3	Digital Caliper • 150.00 x 0.01 mm • mm / inch • stainless • hardened	202011-3
		Measuring Bridge • 75 mm • stainless • hardened	2002092
		Stainless Steel Rule • 150.00 x 13.00 x 0.50 mm • stainless • mm/mm	1010010015



ART ^{NO} SET	pieces	consisting of	article
239908	8	Precision Vernier Caliper • 150.00 x 0.05 mm • mm / inch • stainless • hardened	201020-2
		Micrometer • 0 – 25.00 mm x 0.01 mm • with carbide surfaces	231351
		Flat Square, DIN 875/2 • 100 x 70 mm	310062
		Knife straight edge, bevelled edge • 100 mm	310323
		Spring Divider • 125 mm	302421
		Carbide Steel Scriber • 150 mm	334608
		Stainless Steel Rule • 200.00 x 13.00 x 0.50 mm • stainless • mm/mm	1010010020
		Center Punch • 120 x ø 10 mm	239999

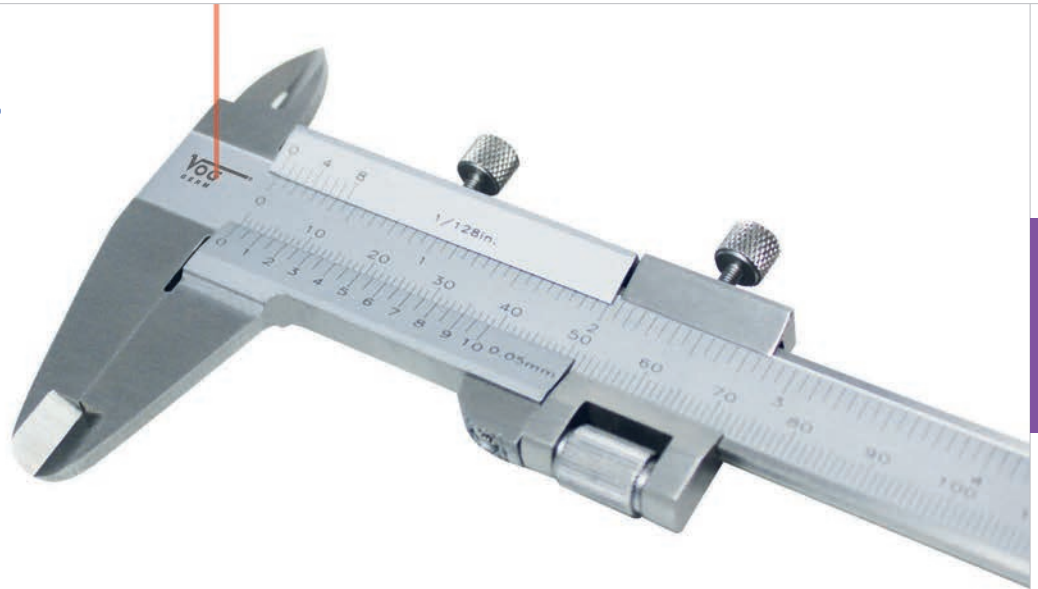


ART ^{NO} SET	pieces	consisting of	article
239911	4	Vernier Caliper • 150.00 x 0.05 mm • stainless • hardened	201000
		Micrometer • 0 – 25.00 mm x 0.01 mm • with carbide surfaces	231300
		Square, bevelled edge • 100 x 70 mm • chromed	3102131
		Stainless Steel Rule • 150.00 x 18.00 x 0.50 mm • stainless • mm/inch	111001





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LASERCENTER**



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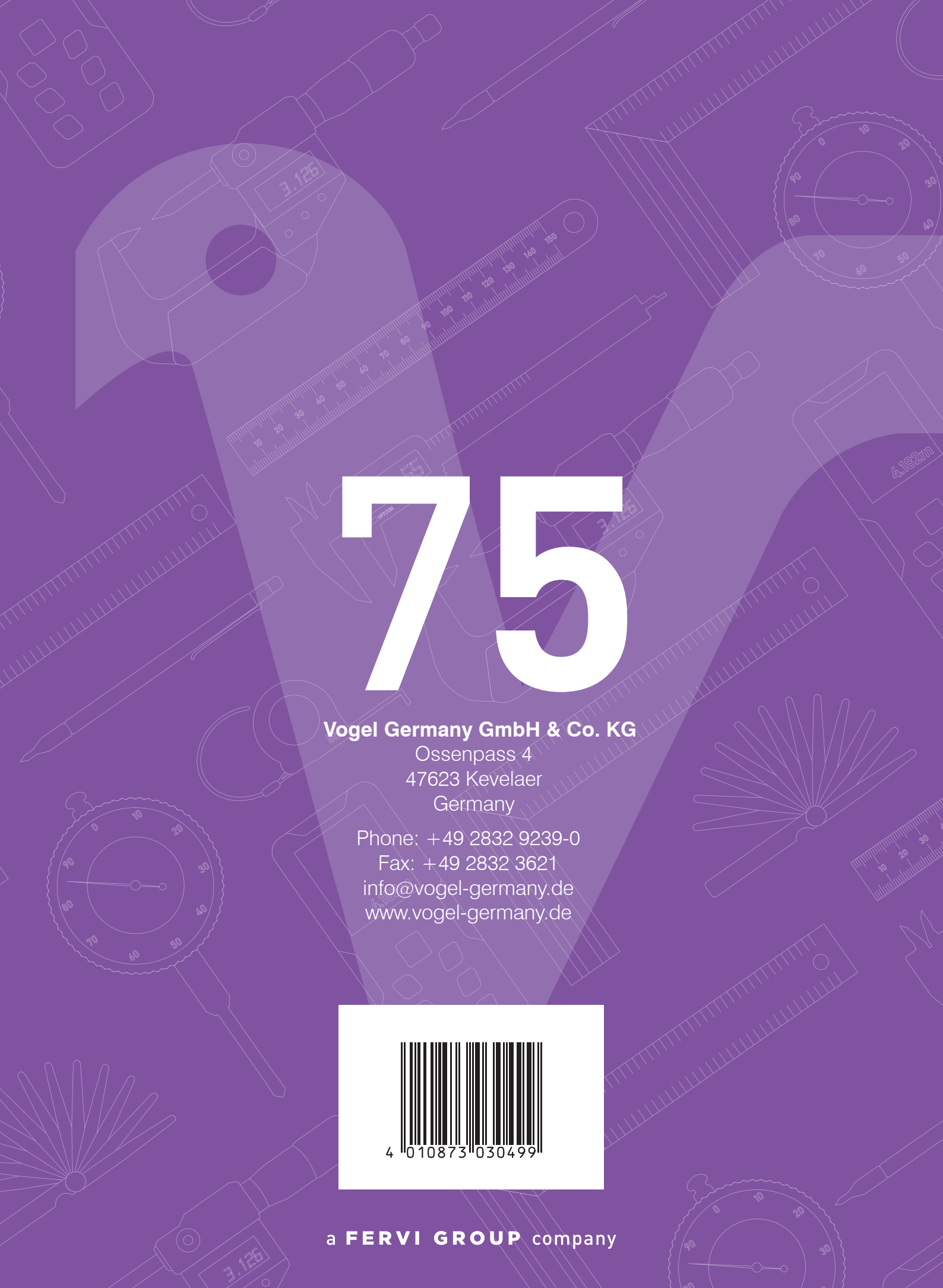
Laser engraving has a lot of advantages.
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Laser engravings are possible on:

- ✓ steel, high-grade steel, stainless steel
- ✓ cast iron
- ✓ non-ferrous metal
- ✓ special plastic material





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