

PROMO

VALID UNTIL 30.04.24



WORKBENCH INSTRUMENTS



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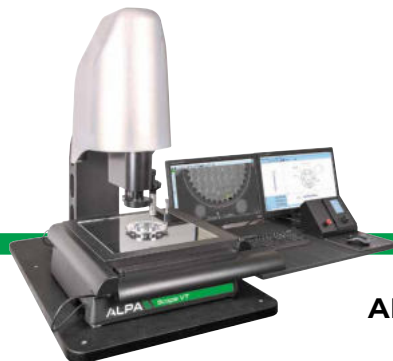


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**MEASURING MACHINES
AND HIGH TECHNOLOGY INSTRUMENTS**

Pictures are not binding

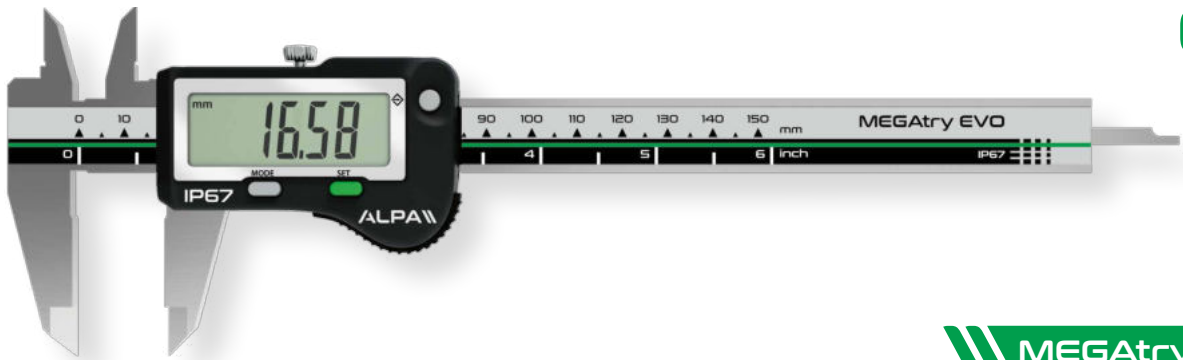
90

PRICE LIST FOR CALIBRATION

WORKBENCH INSTRUMENTS



TOP
quality



MEGAty EVO

IP67 Preset digital caliper

Swiss made digital caliper IP67 electronics with data output, high protection against dust and liquids even while in temporary immersion. Clamping screw, hardened stainless steel frame.

CONNECTION CABLES

COD. 1	€	Description
ACC01000	158,00	Proximity: RS232
ACC01001	158,00	Proximity: USB

WITHOUT DATA OUTPUT

COD. 1	€	Depth bar	Range mm	Jaws mm
AA014150NDP	129,00	■	0 ÷ 150	40

WITH DATA OUTPUT

AA014150P	146,00	■	0 ÷ 150	40
AA014150T	146,00	●	0 ÷ 150	40
AA014200	232,00	■	0 ÷ 200	50
AA014300	282,00	-	0 ÷ 300	64



TOP
quality

PRO67

IP67 Digital caliper

0,01mm resolution. Electronics with a very high degree of protection against particles and liquids, even while in temporary immersion. Vernier with locking screw system, incremental measuring and zero-setting at any position.

COD. 1	€	Depth bar	Range mm	Jaws mm
AA017150P	112,00	■	0 ÷ 150	40
AA017150T	112,00	●		
AA017200	148,00	■	0 ÷ 200	50
AA017300	190,00	■	0 ÷ 300	60



ABSolutus

IP54 Digital caliper

Resolution 0,01 mm. Digital caliper with electronics with a very high degree of protection against particles and liquids. Vernier with locking screw system, ON/OFF button, incremental measuring and zero-setting at any position. Absolute origin measuring function.

COD. 1	€	Depth bar	Range mm	Jaws mm
AA019150P	64,00	■	0 ÷ 150	40
AA019150T	64,00	●		
AA019200	97,00	■	0 ÷ 200	50
AA019300	125,00	■	0 ÷ 300	60



PICKall

Digital caliper

Resolution 0,01mm - ON/OFF button, four measuring functions, zero setting at any position, cursor with thumb roller and locking screw.

COD. 1	€	Depth bar	Range mm
AA020SET	270,00	■	0 ÷ 150 / 0 ÷ 200 / 0 ÷ 300

COD. 1	€	Depth bar	Range mm	Jaws mm
AA020150P	60,00	■	0 ÷ 150	40
AA020150T	60,00	●		
AA020200	88,00	■	0 ÷ 200	50
AA020300	126,00	■	0 ÷ 300	62



Digital caliper

0,01mm Resolution. Metal casing, ON/OFF button, zero setting at any position and locking screw. Preset function included measurement unit of mm.

COD. 1	€	Range mm	Jaws mm
AA021100	41,00	0 ÷ 100	30
AA021150	42,00	0 ÷ 150	40
AA021200	59,00	0 ÷ 200	50
AA021300	96,00	0 ÷ 300	62

Depth base



COD. 1	€	Description
ACC03001	26,00	Suitable for digital, dial and vernier calipers.

Special jaws for micro measurement



Jaw thickness: max 3.5mm (recommended for digital calipers with preset)

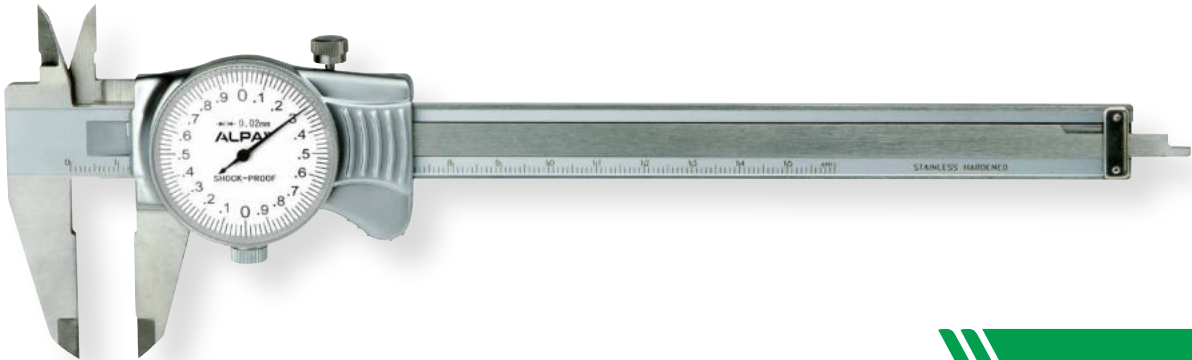
COD. 1	€	B mm	C mm	D mm
ACC05SET	280,00	0,38	10	2,5
			15	3,7
		0,64	25	7,5



Dial caliper

0,01mm resolution. Hardened stainless steel dial caliper, dial 39mm, 1mm per revolution.

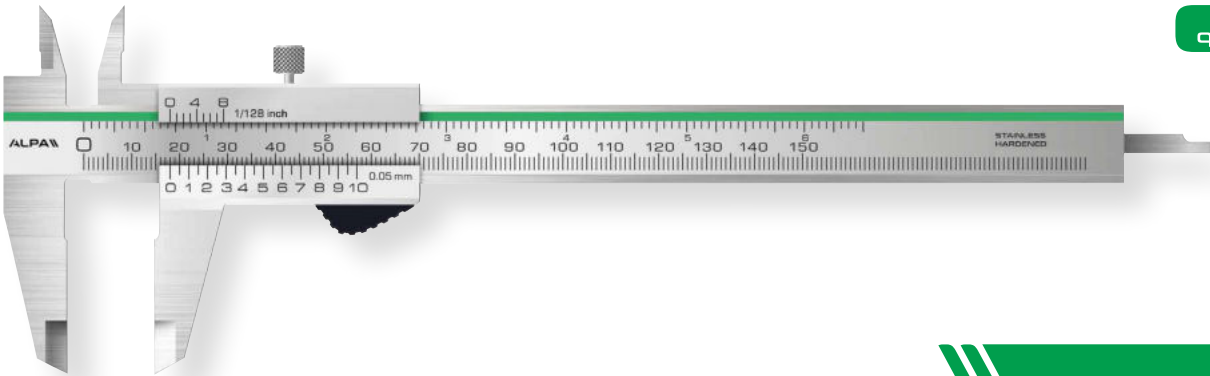
COD. 1	€	Range mm	Resolution mm	Jaws mm
AC010150	51,00	0 ÷ 150	0,01	40
AC010200	68,00	0 ÷ 200		50
AC010300	119,00	0 ÷ 300		62



Dial caliper

0,02mm resolution. Hardened stainless steel dial caliper, dial 39mm, 2mm per revolution.

COD. 1	€	Range mm	Resolution mm	Jaws mm
AC015150	48,00	0 ÷ 150	0,02	40
AC015200	63,00	0 ÷ 200		50
AC015300	99,00	0 ÷ 300		62

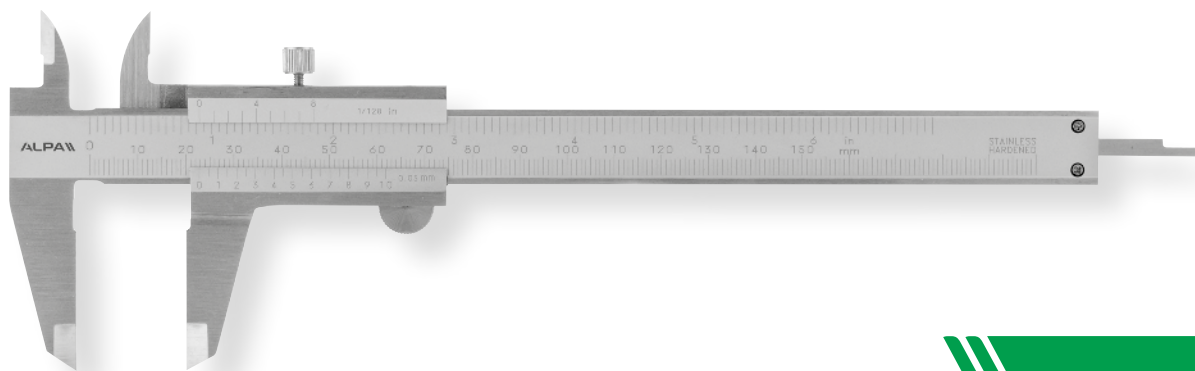


TOP quality

Monoblock vernier caliper

Vernier 1/20 resolution 0,05mm, high accuracy, caliper and cursor hardened steel made, matt-chrome finish scale, cursor with locking screw.

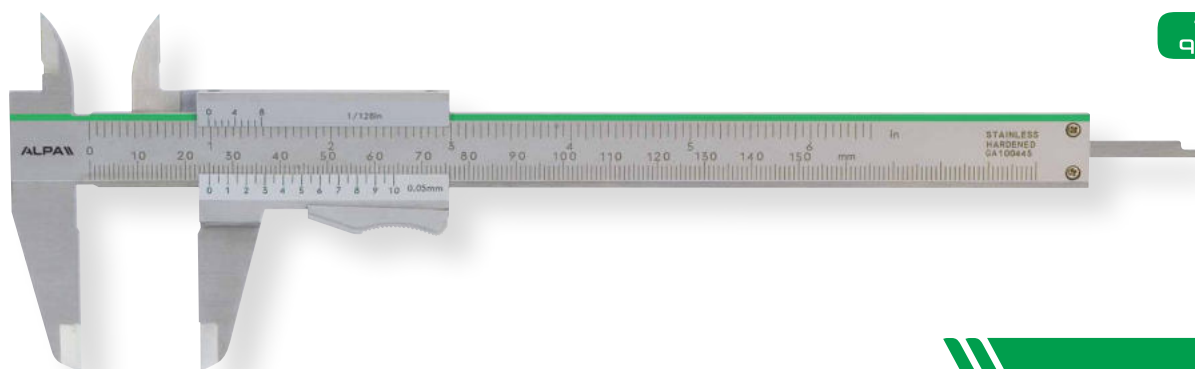
COD. 1	€	Range mm	Jaws mm
AB012100	32,00	0 ÷ 100	30
AB012150	33,00	0 ÷ 150	40
AB012200	52,00	0 ÷ 200	50
AB012300	104,00	0 ÷ 300	60



Monoblock vernier caliper

Monoblock stainless steel structure, vernier 1/20, graduation 0,05mm. Matt-chrome finish scale. Locking screw.

COD. 1	€	Range mm	Jaws mm
AB017100	20,00	0 ÷ 100	40
AB017150	22,00	0 ÷ 150	40
AB017200	30,00	0 ÷ 200	50
AB017300	62,00	0 ÷ 300	60

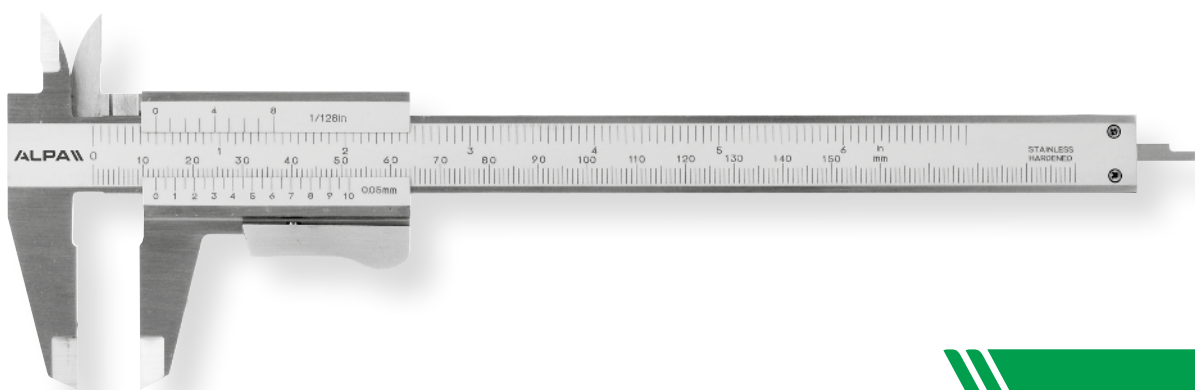


TOP quality

Monoblock vernier caliper

Vernier 1/20, graduation 0,05mm - Matt-chrome finish scale, locking button. Accurate execution.

COD. 1	€	Range mm	Jaws mm
AB011150	37,00	0 ÷ 150	40
AB011200	52,00	0 ÷ 200	50



Monoblock vernier caliper

Vernier 1/20, graduation 0,05mm - Matt-chrome finish scale, locking button. Accurate execution.

COD. 1	€	Range mm	Jaws mm
AB02515020	23,00	0 ÷ 150	40
AB025200	34,00	0 ÷ 200	50
AB025300	78,00	0 ÷ 300	60

TOP
quality



MEGAline

IP54 Preset carbon fiber digital caliper

Resolution 0,01mm. Carbon fiber structure, designed to combine low weight and stiffness even over significant lengths. Stainless steel TiN coated jaws, protected against dust, water resistant, swiss made electronics. Cursor with locking screw, large LCD display, fine adjustment.

COD. 1	€	Range mm	Jaws mm	Section mm
AA0401000150	1.821,00	0 ÷ 1000	150	47 x 16
AA0401000300	3.007,00		300	
AA0401000500	3.731,00		500	
AA0401500150	2.836,00	0 ÷ 1500	150	
AA0401500200	3.091,00		200	
AA0401500300	3.554,00		300	
AA0401500500	4.320,00	0 ÷ 2000	500	47 x 38
AA0402000150	3.052,00		150	
AA0402000200	3.402,00		200	
AA0402000300	4.500,00		300	
AA0402000500	4.954,00		500	

COD. 1	€	Range mm	Jaws mm	Section mm
AA0402500200	4.454,00	0 ÷ 2500	200	47 x 16
AA0402500300	4.983,00		300	
AA0403000200	5.054,00	0 ÷ 3000	200	
AA0403000300	5.455,00		300	
AA0403500200	6.339,00	0 ÷ 3500	200	47 x 38
AA0403500300	6.837,00		300	
AA0404000200	11.183,00	0 ÷ 4000	200	
AA0404000300	12.349,00		300	
AA0404500200	13.345,00	0 ÷ 4500	200	
AA0404500300	14.204,00		300	
AA0405000200	14.575,00	0 ÷ 5000	200	
AA0405000300	15.582,00		300	

TOP
quality



MEGAline

IP67 Preset carbon fiber digital caliper

Carbon fiber sliding gauge. Stainless steel jaws. TIN coated contacts. Data output: Proximity RS232 and USB. Resolution 0,01mm

COD. 1	€	Range mm	Jaws mm	Section mm
AA0431000150	1.579,00	0 ÷ 1000	150	40 x 13
AA0431000200	1.908,00		200	

COD. 1	€	Range mm	Jaws mm	Section mm
AA0431500150	2.014,00	0 ÷ 1500	150	40 x 13
AA0431500200	2.385,00		200	
AA0432000150	2.639,00	0 ÷ 2000	150	
AA0432000200	3.180,00		200	

TOP
quality



MEGAline

IP67 Preset digital caliper

Resolution 0,01mm. Swiss made electronics, protected against dust, water resistant, cursor with locking screw. Provided in wooden case.

COD. 1	€	Range mm	Jaws mm	Section mm
AA033500125	986,00	0 ÷ 500	125	23 x 6
AA033500150	1.018,00		150	27 x 7
AA033600125	1.018,00	0 ÷ 600	125	23 x 6
AA033600150	1.198,00		150	27 x 7
AA033800150	1.448,00	0 ÷ 800		
AA0331000150	1.730,00	0 ÷ 1000		

TOP
quality

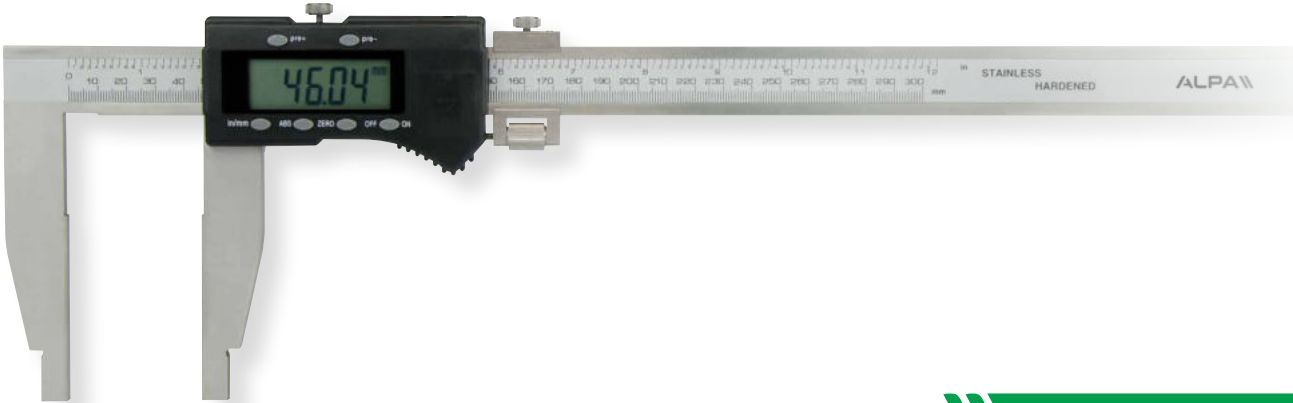


MEGAline

IP67 Preset digital caliper

Resolution 0,01mm. Swiss made electronics, protected against dust and water immersion, cursor with locking screw.

COD. 1	€	Range mm	Jaws mm	Section mm
AA029300	528,00	0 ÷ 300	100	17 x 5
AA029400	584,00	0 ÷ 400		
AA029500	631,00	0 ÷ 500		
AA029600	710,00	0 ÷ 600		



Digital caliper with fine adjustment
Resolution 0,01mm. Cursor with locking screw, fine adjustment.

COD. 1	€	Range mm	Jaws mm
AA050300	175,00	0 ÷ 300	100
AA050500100	239,00	0 ÷ 500	150
AA050500150	256,00		200
AA050500200	370,00		300

COD. 1	€	Range mm	Jaws mm
AA050600150	370,00	0 ÷ 600	150
AA050600300	567,00		300
AA050800150	466,00	0 ÷ 800	150
AA0501000150	678,00	0 ÷ 1000	300
AA0501000300	1.264,00		200
AA0501500200	1.550,00	0 ÷ 1500	300
AA0501500300	1.775,00		300
AA0502000300	2.050,00	0 ÷ 2000	300
AA0503000300	3.867,00	0 ÷ 3000	300

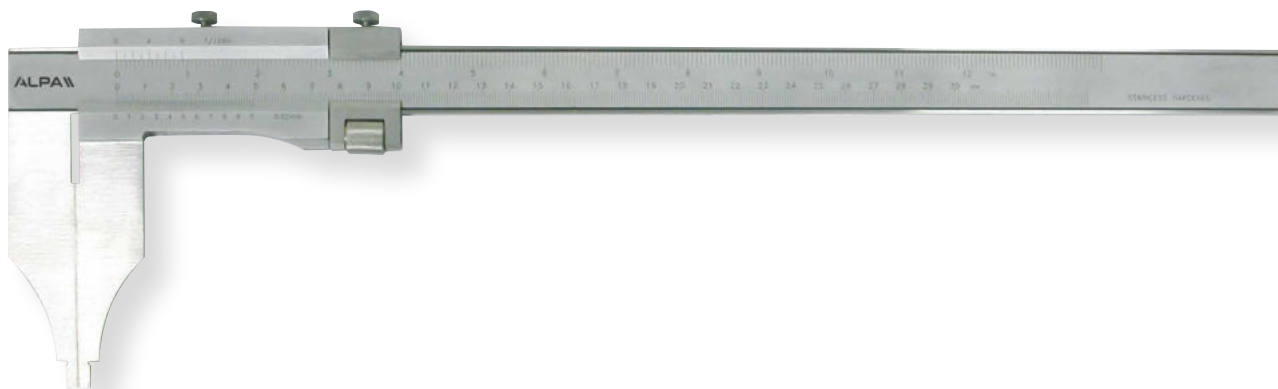


Digital caliper for internal and external
Resolution 0,01mm. ON/OFF button, incremental zero setting or restoration of absolute scale (ABS), Micrometric adjustment and vernier with locking screw.

COD. 1	€	Range mm	Jaws mm
AA051600100	762,00	0 ÷ 600	100
AA0511000125	1.092,00	0 ÷ 1000	125

Digital caliper for internal and external
Resolution 0,01mm. Matt-chrome finish scale, ON/OFF button, incremental zero setting or restoration of absolute scale (ABS), Micrometric adjustment and vernier with locking screw.

COD. 1	€	Range mm	Jaws mm
AA052300	242,00	0 ÷ 300	100
AA052600	473,00	0 ÷ 600	150
AA0521000	843,00	0 ÷ 1000	150

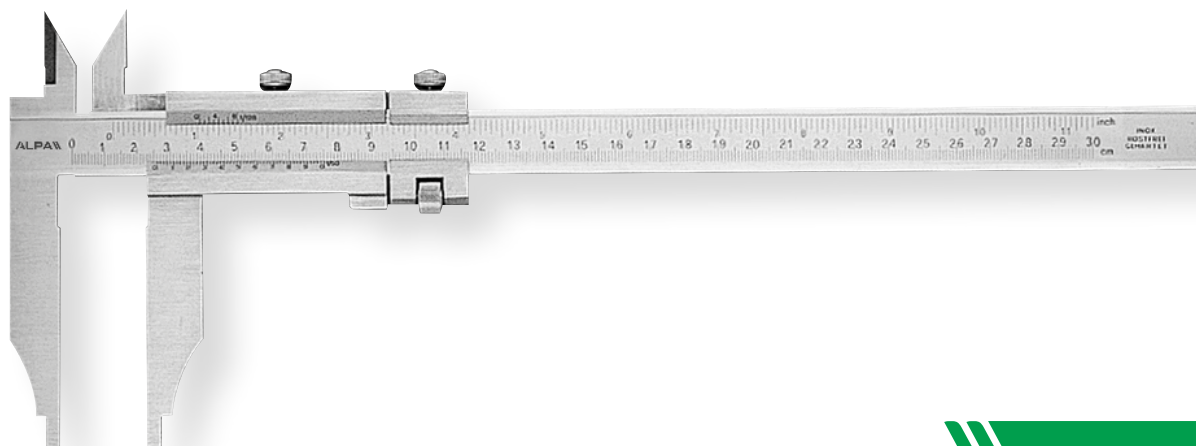


Monoblock vernier caliper

Vernier 1/50, graduation 0,02mm. Matt-chrome finish scale, cursor with locking screw and fine adjustment.

COD. 1	€	Range mm	Jaws mm
AB035200	86,00	0 ÷ 200	60
AB035250	120,00	0 ÷ 250	75
AB03530090	126,00	0 ÷ 300	90
AB035300100	169,00		100
AB035300150	218,00		150
AB035400125	236,00	0 ÷ 400	125
AB035400200	313,00		200
AB035500115	270,00		115
AB035500150	280,00	0 ÷ 500	150
AB035500200	415,00		200

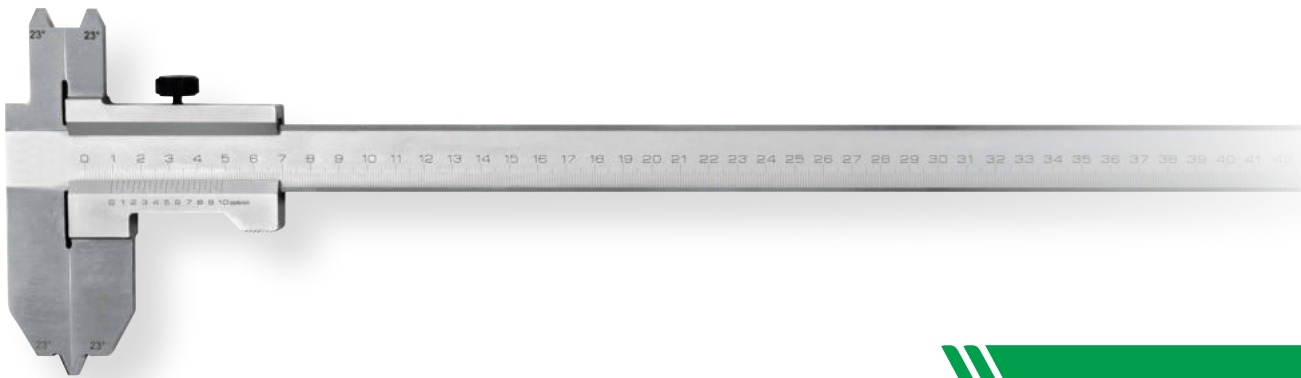
COD. 1	€	Range mm	Jaws mm
AB035600115	311,00	0 ÷ 600	115
AB035600150	312,00		150
AB035600200	388,00		200
AB035600300	695,00		300
AB035800150	404,00	0 ÷ 800	150
AB035800300	718,00		300
AB035800400	1.046,00		400
AB0351000150	638,00	0 ÷ 1000	150
AB0351000300	900,00		300
AB0351000500	1.520,00		500
AB0351200200	1.300,00	0 ÷ 1200	200
AB0351500200	1.275,00	0 ÷ 1500	200
AB0351500300	1.617,00		300
AB0351500500	2.154,00		500
AB0352000300	2.191,00	0 ÷ 2000	300
AB0352000500	2.630,00		500
AB0353000300	3.520,00	0 ÷ 3000	300



Vernier caliper with inside points

Vernier 1/50, graduation 0,02mm. Cursor with locking screw and fine adjustment. Accurate execution.

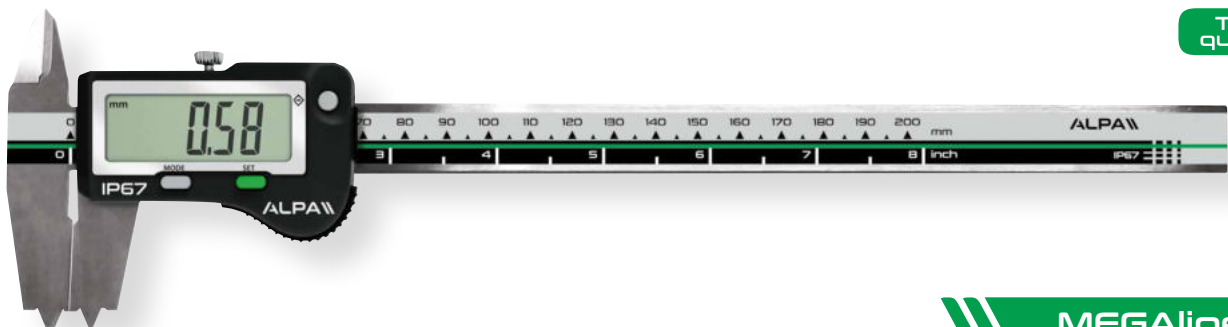
COD. 1	€	Range mm	Jaws mm
AB045300	194,00	0 ÷ 300	90
AB045500	416,00	0 ÷ 500	150
AB045600	473,00	0 ÷ 600	
AB0451000	736,00	0 ÷ 1000	



Ring joint vernier caliper

Matt-chrome finish readout scale. Etched, precision graduation. Raised slider for easy movement. Suitable for measuring the seat of 23° Ring Joint. Slide stop at beam end. Manufactured according to DIN 862.

COD. 1	€	Range mm	Jaws mm
AB070300	532,00	0 ÷ 300	45
AB070500	788,00	0 ÷ 500	
AB0701000	1.202,00	0 ÷ 1000	80



TOP
quality

IP67 Preset ring joint digital caliper

Resolution 0,01mm. Swiss made electronics. Protected against dust, and water immersion, zero setting at any position, cursor with locking screw.

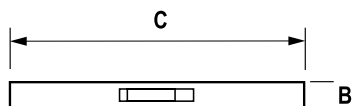
COD. 1	€	Range mm	Jaws mm
AA080200	550,00	0 ÷ 200	32



Setting master

Zero setting with details having 23° of inclination to set Ring Joint calipers.

COD. 1	€	A mm	D mm
ACC09001	350,00	90	50



IP67 Preset digital depth caliper

Resolution 0,01mm. Hardened stainless steel digital depth caliper with movable support. Swiss made electronics IP67mm/inch - cable connect proximity. Push/pull support on the same level. Clamping screw. Provided with wooden case.

COD. 1	€	Range mm	B mm	C mm
AA064300	763,00	0 ÷ 300	12	150
AA064400	784,00	0 ÷ 400		
AA064500	921,00	0 ÷ 500		
AA064600	1.020,00	0 ÷ 600		
AA064800	1.482,00	0 ÷ 800		
AA0641000	1.827,00	0 ÷ 1000		

Accessories

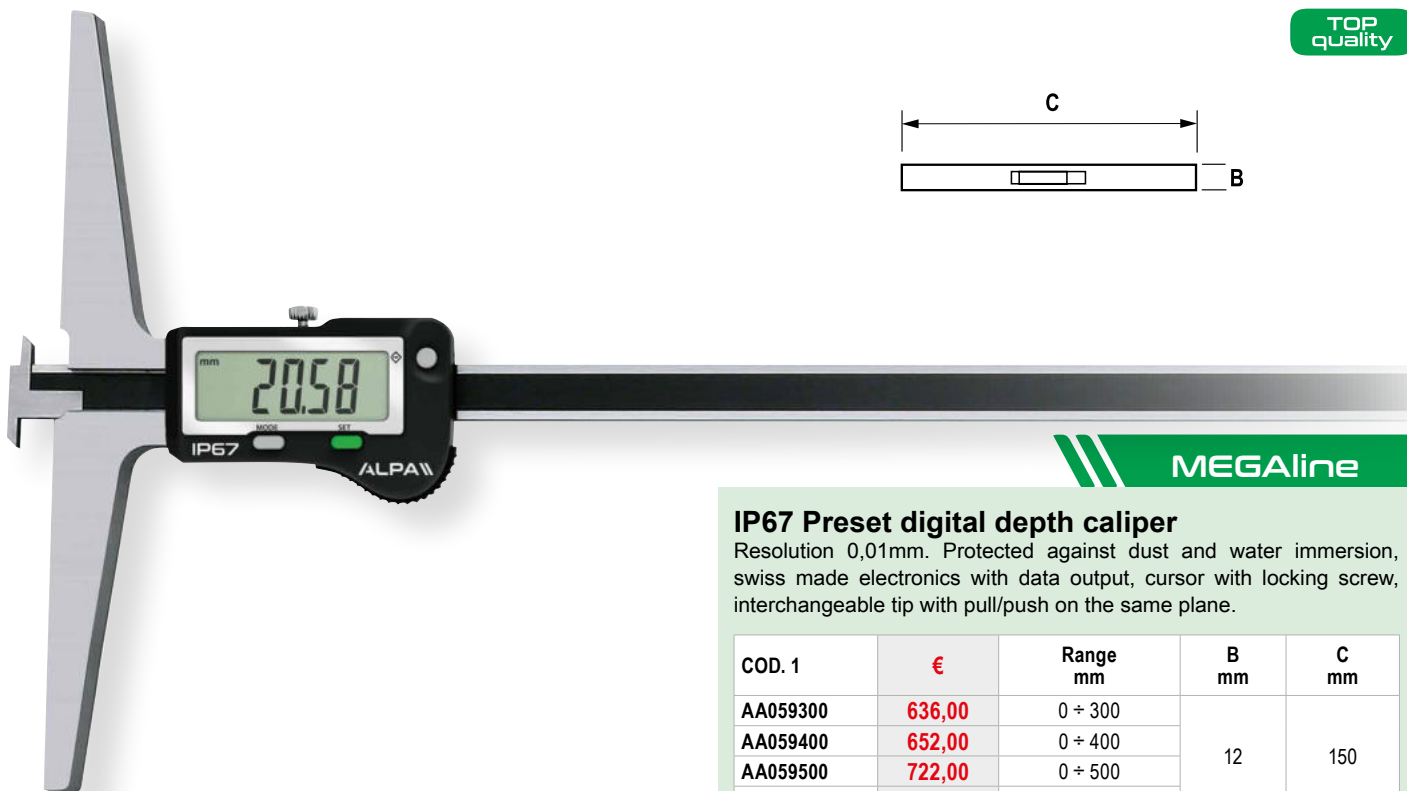
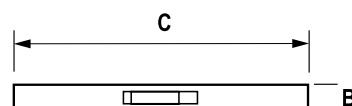
Optional tips for depth caliper AA064 available on catalogue.

ACC20001		ACC20005	
ACC20002		ACC20006	
ACC20003		ACC20007	
ACC20004			

Movable bridge

Movable bridge for depth caliper AA064.

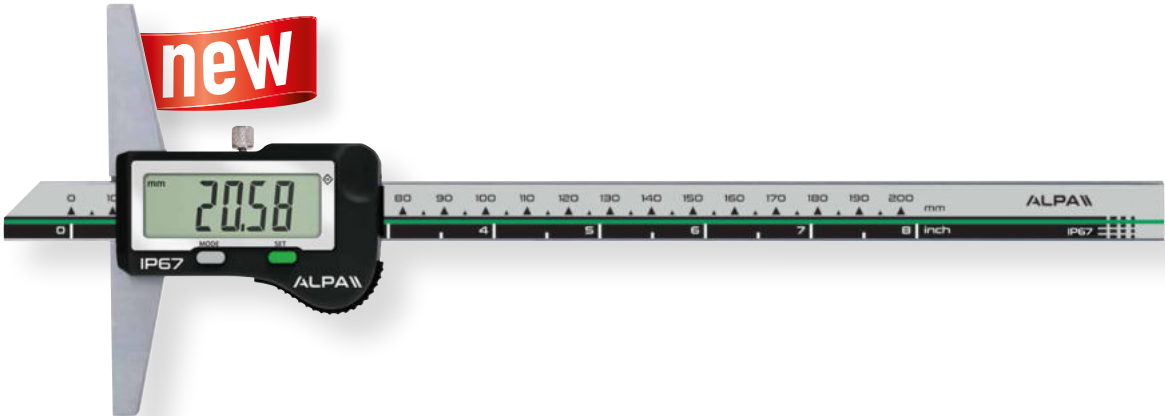
COD. 1	€	Length mm
ACC08001	504,00	400
ACC08002	583,00	500
ACC08003	753,00	600



IP67 Preset digital depth caliper

Resolution 0,01mm. Protected against dust and water immersion, swiss made electronics with data output, cursor with locking screw, interchangeable tip with pull/push on the same plane.

COD. 1	€	Range mm	B mm	C mm
AA059300	636,00	0 ÷ 300	12	150
AA059400	652,00	0 ÷ 400		
AA059500	722,00	0 ÷ 500		
AA059600	795,00	0 ÷ 600		



Digital depth caliper IP67 with preset

Resolution 0.01 mm. Swiss electronics with automatic stand-by. Protected from dust and liquid immersion, zero-setting at any position and slider with locking screw.

COD. 1	€	Range mm	Base mm	Length mm
AA107200	198,00	0 - 200	100	285
AA107300	290,00	0 - 300	150	390

TOP quality



MEGAline

IP67 Preset small bores depth digital caliper

Resolution 0,01mm. Protected against dust and water immersion, Swiss made electronics with data output, ON/OFF button, zero setting at any position, cursor with locking screw. Minimum bore diameter 6mm.

COD. 1	€	Range mm	Accuracy mm	Section mm	Pin mm
AA0831207,8	601,00	0 ÷ 120	± 0,02	4	7,8 x 0,9
AA0831205,8	540,00				5,8 x 0,6

TOP quality



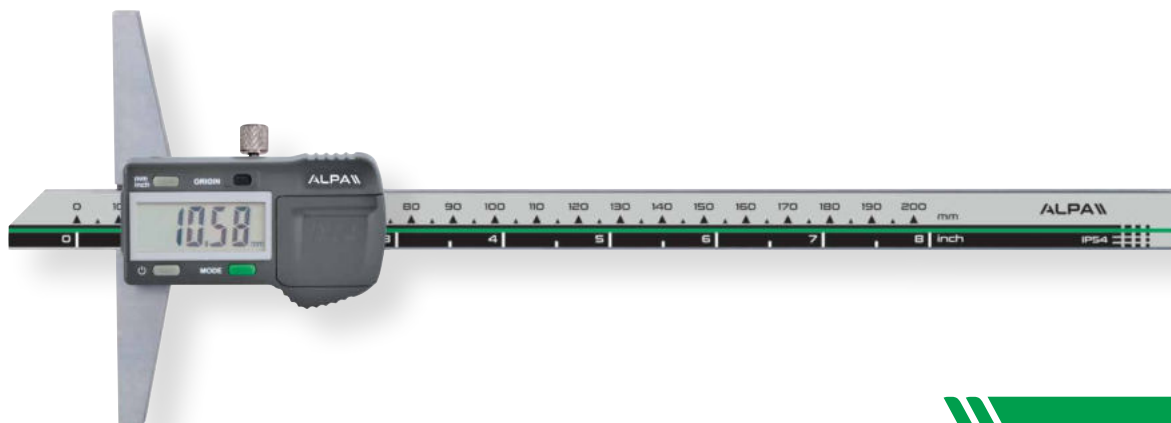
MEGAline

IP67 Preset digital depth caliper

Resolution 0,01mm. Digital depth with pushing tip. Protected against dust and water immersion, swiss made electronic with data output, ON/OFF button, zero setting at any position, cursor with locking screw.

COD. 1	€	Description	Length mm
ACC10200	175,00	Movable bridge	200
ACC10320	201,00		320

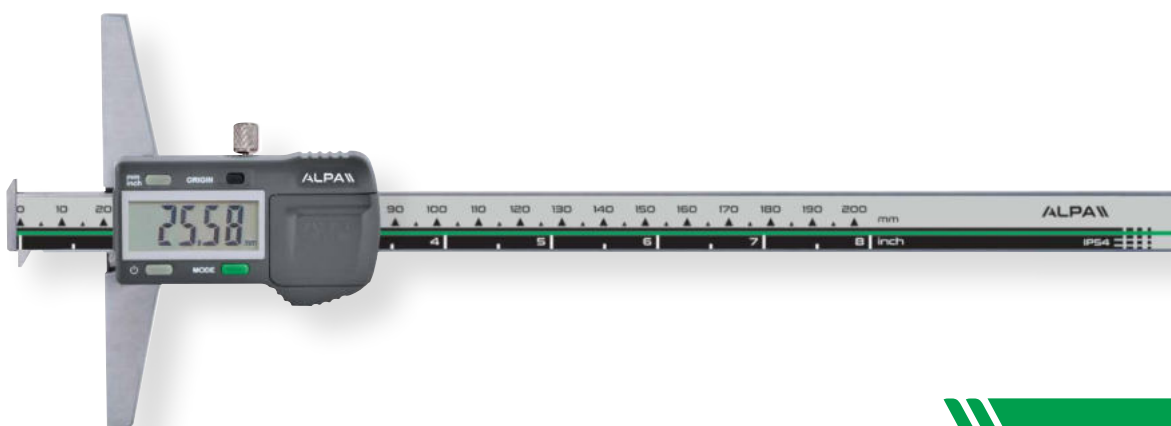
COD. 1	€	Range mm	B mm	C mm
AA054200	478,00	0 ÷ 200	10	105
AA054300	569,00	0 ÷ 300	12	150
AA054400	656,00	0 ÷ 400		
AA054500	724,00	0 ÷ 500		
AA054600	798,00	0 ÷ 600		



IP54 Digital depth caliper

0,01mm resolution. Vernier with locking screw system, ON/OFF button, incremental measuring and zero-setting at any position. Absolute origin measuring function. mm/inch conversion.

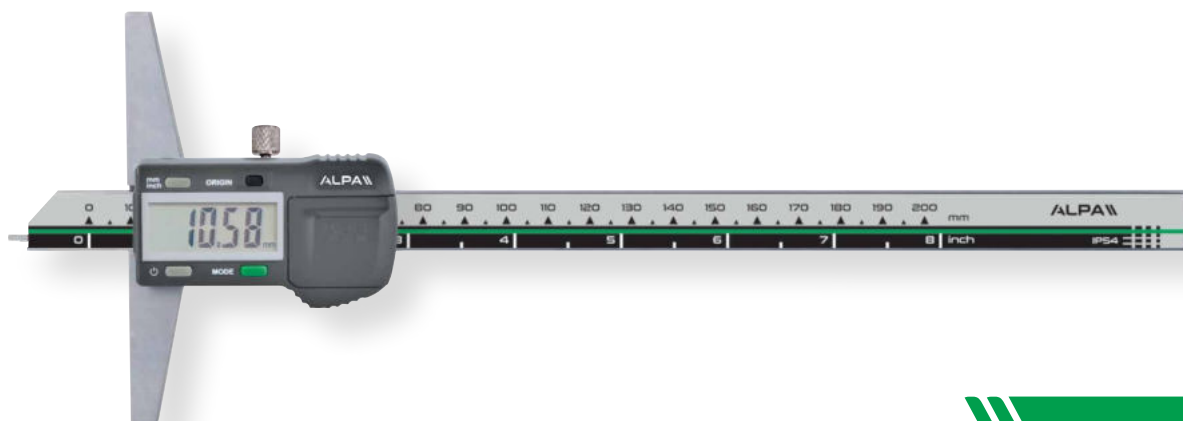
COD. 1	€	Range mm	Base mm	Length mm
AA101200	108,00	0 ÷ 200	100	285
AA101300	173,00	0 ÷ 300	150	390



IP54 Double hook digital depth caliper

0,01mm resolution. Vernier with locking screw system, ON/OFF button, incremental measuring and zero-setting at any position. Absolute origin measuring function. mm/inch conversion.

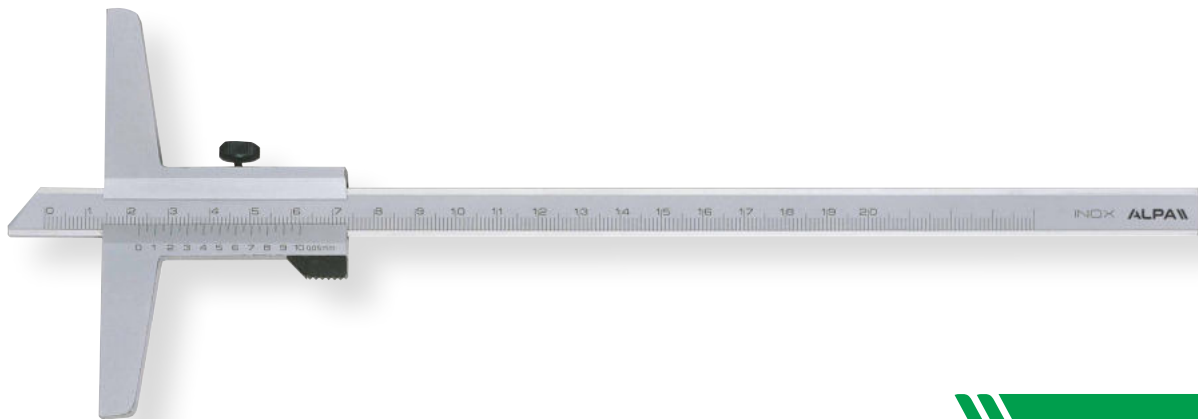
COD. 1	€	Range mm	Base mm	Length mm
AA103200	159,00	0 ÷ 200	100	285
AA103300	213,00	0 ÷ 300	150	390



IP54 Pin type digital depth caliper

0,01mm resolution. Vernier with locking screw system, ON/OFF button, incremental measuring and zero-setting at any position. Absolute origin measuring function. mm/inch conversion.

COD. 1	€	Range mm	Base mm	Length mm
AA105200	135,00	0 ÷ 200	100	285
AA105300	185,00	0 ÷ 300	150	390



Depth caliper

Vernier 1/20, graduation 0,05mm. Cursor with locking screw. Accurate execution.

COD. 1	€	Range mm	Base mm	Length mm
AB055150	32,00	0 ÷ 150	100	250

COD. 1	€	Range mm	Base mm	Length mm
AB055200	44,00	0 ÷ 200	100	300
AB055300	90,00	0 ÷ 300	150	400
AB055400	103,00	0 ÷ 400		500
AB055500	144,00	0 ÷ 500		600
AB0551000	538,00	0 ÷ 1000	200	1160



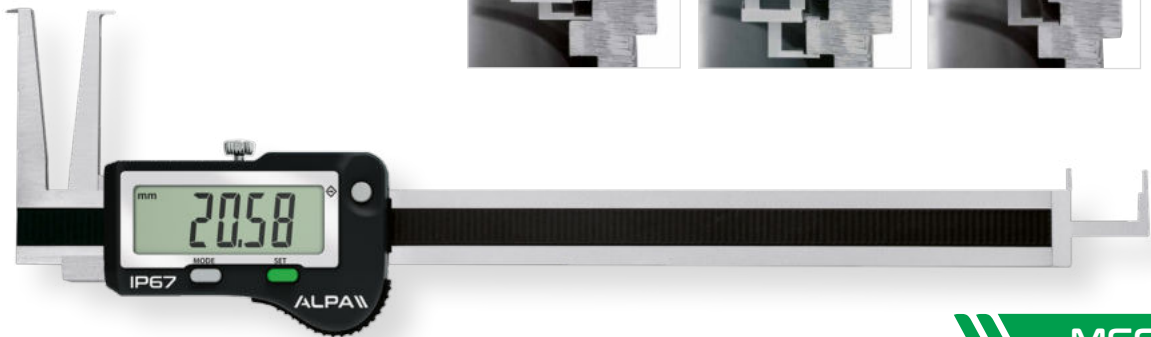
Double hook depth caliper

Vernier 1/20, graduation 0,05mm - Locking screw for sliding jaw. Accurate execution.

COD. 1	€	Range mm	Base mm	Length mm
AB062200	103,00	0 ÷ 200	100	260
AB062300	120,00	0 ÷ 300		370



TOP quality



MEGAline

IP67 Digital caliper for inside grooves and seeger grooves

Resolution 0,01mm. Swiss made electronics. Protected against dust and water immersion, zero setting at any position, cursor with locking screw.

COD. 1	€	Range mm	Max groove depth mm	Section mm	Accuracy mm
AA086170	568,00	10 ÷ 170	3,5	16,5 x 4	± 0,03
AA086180	618,00	20 ÷ 180	8,5		

TOP
quality

TOP
quality



MEGAline

IP67 Digital caliper for internal/external grooves

Resolution 0,01 mm. Swiss made electronics. Protected against dust and water immersion, (ON/OFF) button, zero setting at any position, cursor with locking screw, interchangeable threaded caps. Article AA084250 supplied with hardened pins Ø2,5mm. Article AA084350, AA084450 supplied with hardened pins Ø3,5mm.

COD. 1	€	Range int./ext.mm	Accuracy mm	Section mm
AA084250	802,00	24 ÷ 250/0 ÷ 210	0,02	16,5x4,5
AA084350	919,00	42 ÷ 400/0 ÷ 320	0,03	17x5
AA084450	986,00	42 ÷ 500/0 ÷ 420		

For tips see on Alpa catalogue pag. A.40



MEGAline

IP54 Digital caliper for internal/external grooves

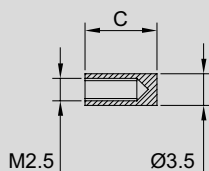
Resolution 0,01 mm. Swiss made electronics. Protected against dust, (ON/OFF) button, zero setting at any position, cursor with locking screw, interchangeable threaded caps. Provided with a couple of hardened pins Ø 3,5mm.

COD. 1	€	Range int./ext.mm	Accuracy mm	Section mm
AA081650	1.304,00	42 ÷ 650/0 ÷ 570	0,04	22x5

For tips see on Alpa catalogue pag. A.40

Adaptor for tips M2.5

Pair of adaptors needed for the use of the tips.



COD. 1	€	C mm
CC0458	31,00	8
CC04510	31,00	10
CC04512	53,00	12
CC04520	60,00	20



Inside grooves digital calipers

Resolution 0,01mm. ON/OFF button, zero setting at any position, preset function, cursor with locking screw and large LCD display.

COD. 1	€	Range mm	Jaws mm
AA189150	170,00	20 ÷ 150	30
AA189200	240,00	40 ÷ 200	70



Inside grooves digital caliper

Resolution 0,01mm. Matt-chrome finish scale, ON/OFF button, vernier with locking screw, presetting function keyboard.

COD. 1	€	Range mm	Max groove depth mm	Jaws mm
AA179150	135,00	14 ÷ 150	5	30
AA179200	162,00	15 ÷ 200		40
AA179300	227,00	17 ÷ 300		50
AA179500	318,00	35 ÷ 500	8	120



Digital caliper with interchangeable tips

Resolution 0,01mm. Matt-chrome finish scale, ON/OFF button, zero setting at any position, vernier with locking screw, presetting function keyboard.

COD. 1	€	Range mm	Jaws mm	Jaws thickness mm
AA176150	179,00	34 ÷ 150	50	5
AA176200	206,00	34 ÷ 200		

Tips to be ordered separately
See on Alpa catalogue pag. A.40



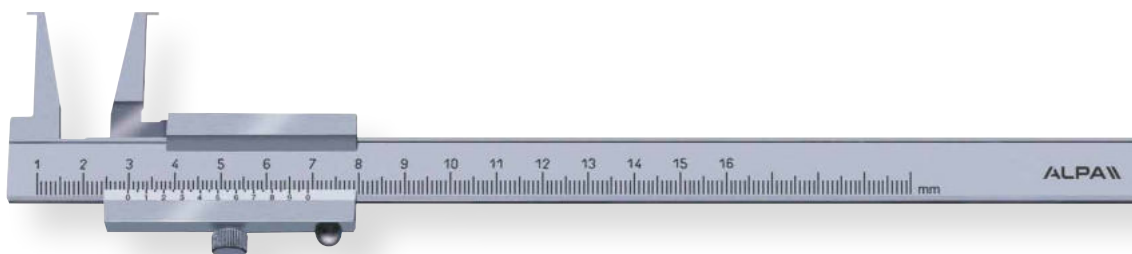
Digital caliper with interchangeable tips

Resolution 0,01mm. Matt-chrome finish scale, ON/OFF button, zero setting at any position and incremental zero setting (ABS), vernier with micrometric adjustment and locking screw, complete with a couple of M2.5 thread cylindrical probe tips.

COD. 1	€	Inside mm	External mm	Jaws mm
AA077300	386,00	40 ÷ 300	0 ÷ 300	75
AA077500	512,00	50 ÷ 500	0 ÷ 500	88

Tips to be ordered separately
See on Alpa catalogue pag. A.40





Inside groove vernier caliper

Stainless steel structure, 1/20 vernier gauge, 0,05mm reading, matt-chrome finish scale, vernier with locking-screw.

COD. 1	€	Range mm	Max groove depth mm	Jaws mm
AB067160	72,00	9,5 ÷ 160	3	25
AB067200	118,00	26 ÷ 200	7	60
AB067300	182,00	60 ÷ 300	10	100



Inside grooves digital caliper

Resolution 0,01mm. Stainless steel structure. ON/OFF button, zero setting at any position, cursor with locking screw and large LCD display. Suitable for measuring inside groove distances.

COD. 1	€	Range mm
AA188125	171,00	3 ÷ 125
AA188200	215,00	3 ÷ 200

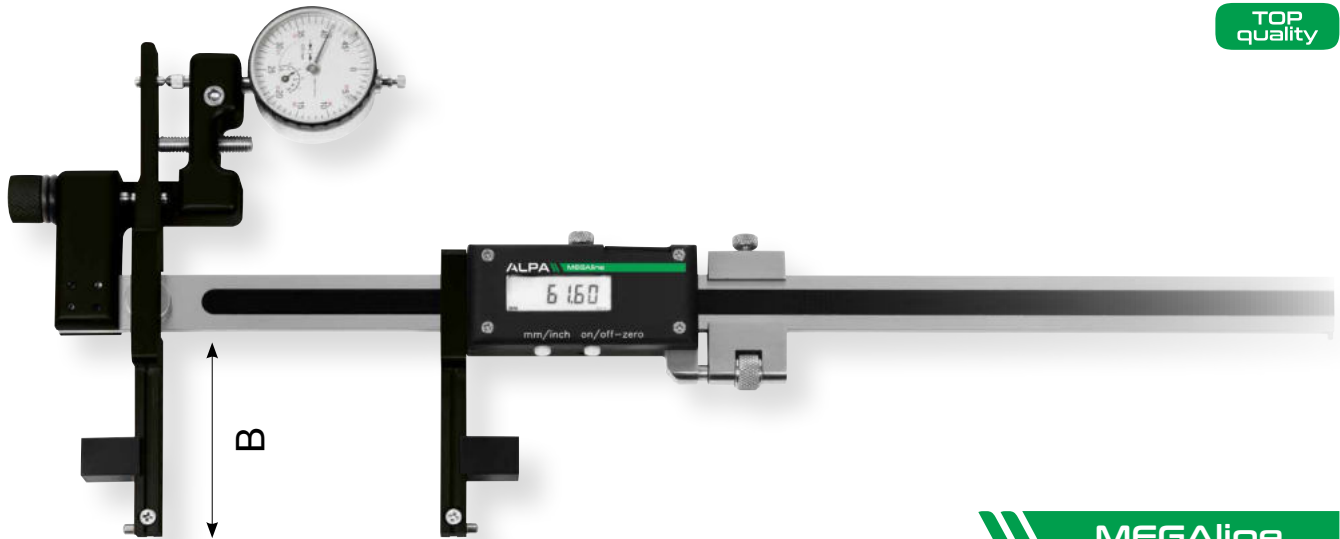


Long internal jaws digital caliper

Resolution 0,01mm. Matt-chrome finish scale, ON/OFF button, zero setting at any position, vernier with locking screw.

COD. 1	€	Range mm	Jaws mm
AA104150	151,00	0 ÷ 150	40
AA104200	160,00	0 ÷ 200	50
AA104300	223,00	0 ÷ 300	62

TOP
quality



MEGAline

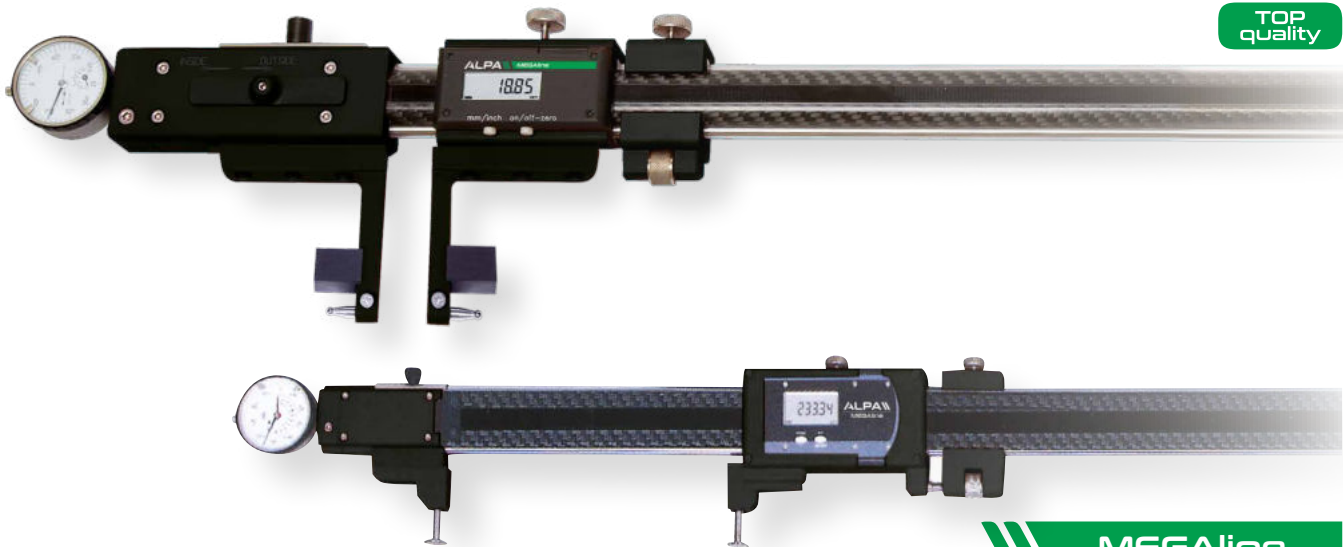
IP54 Universal digital caliper with dial gauge

Resolution 0,01mm - Protected against dust, water resistant, swiss made electronics, ON/OFF button, zero setting at any position, cursor with locking screw, fine adjustment, interchangeable threaded contacts. Provided with dial gauge 0,01 ø 40mm, couple of spherical threaded caps ø 3mm.

On request available in mechanical version.

COD. 1	€	Range mm	Section mm	Length mm	B mm
AA120200	1.728,00	20 ÷ 200 x 60	18 x 4	325	55
AA120300	2.247,00	24 ÷ 300 x 80	22 x 5	435	75
AA120500	2.400,00	24 ÷ 500 x 80		635	

For tips see on Alpa catalogue pag. A.40



TOP
quality

MEGAline

IP54 Digital caliper with gauge

Digital caliper for inside/outside measurements with Spring System. Carbon fiber structure, swiss made electronic, ON/OFF button, zero setting at any position, cursor with locking screw, fine adjustment. Range Spring System 20mm. Provided with dial gauge 0,01mm, adaptor and couple of spherical caps ø 3mm (on demand disk jaws ø 20mm).

COD. 1	€	Range mm	Section mm	Length mm
AA125400	2.989,00	0 ÷ 400	30 x 20	550
AA125600	3.159,00	0 ÷ 600		750
AA125800	3.795,00	0 ÷ 800		950
AA1251000	4.229,00	0 ÷ 1000		1300
AA1251500	4.770,00	0 ÷ 1500	47 x 20	1800
AA1252000	5.989,00	0 ÷ 2000		2300
AA1252500	6.731,00	0 ÷ 2500		2800
AA1253000	7.091,00	0 ÷ 3000		3300

For tips see on Alpa catalogue pag. A.40



COD.3 **3.544€**

BA41002SET

Universal gauge (standard set)

Standard Universal Gauge. It includes, the Univesal Gauge: digital Indicator with cowl, measuring arms 50 mm (Pair), depth-stops (Pair), clamping inserts (Pair), spherical contacts (Pair). Dial indicator with Bluetooth available on request.

- Measuring range enlargeable up to 3000mm with extensions
- Digital or mechanical readout display
- Special anvil designs available P.O.A

Extension for universal gauge

Carbon fiber extension for Universal Gauge to increase measuring range.

COD. 1	€	Extension mm	Material
BA424150C	201,00	150	Steel
BA424500C	704,00	500	Carbon
BA4241000C	1.000,00	1000	



COD.3 **5.907€**

BA4000SET

Universal gauge (large set)

Large set for standard Universal Gauge. It includes, besides the Univesal Gauge itself: digital/analogue Indicator with cowl, measuring arms 50, 75, 100 mm (pair), 20 mm disc anvils for measuring grooves (pair), 12 mm disc anvils internal/external for measuring grooves (pair), shoulder anvils flat outside spigot diameter (pair), semi-cylindrical anvils for inside register diameters (pair), depth-stops (pair), clamping inserts (pair), flat measuring anvil (pair), spherical contacts (pair), mounting attachment (pair). Dial indicator with Bluetooth available on request.

- Measuring range enlargeable up to 3000mm with extensions
- Digital or mechanical readout display
- Special anvil designs available P.O.A

Extension for universal gauge

Carbon fiber extension for Universal Gauge to increase measuring range.

COD. 1	€	Extension mm	Material
BA424150C	201,00	150	Steel
BA424500C	704,00	500	Carbon
BA4241000C	1.000,00	1000	





MEGAline

Digital instrument for external grooves measurement

Resolution 0,01. Swiss electronics with preset.
Interchangeable contacts.

COD. 1	€	Range mm	Max depth mm
BA35010080	912,00	26 ÷ 100	80
BA350100120	1.007,00		120
BA350150120	1.049,00	75 ÷ 150	120
BA350150160	1.325,00		160



MEGAline

Digital instrument for internal grooves measurement

Resolution 0,01. Swiss electronics with preset.
Interchangeable contacts.

COD. 1	€	Range mm	Max depth mm
BA360075080	912,00	0 ÷ 75	80
BA360075120	1.007,00		120
BA360150120	1.049,00	75 ÷ 150	120
BA360150160	1.325,00		160



BOWERS



BOWERS

Analogue quick gauge

Outdoor item, carbide contacts.

Supplied with two pairs of contacts for flat, concave and convex surfaces.

COD. 1	€	Range mm	Resolution	Length mm	Height mm
BB39602150	890,00	0 ÷ 50	0,02	150	55
BB39602250	1.020,00			250	
BB39610150	797,00		0,1	150	
BB39610250	932,00			250	

Analogue quick gauge

Indoor item, carbide contacts.

Supplied with two pairs of contacts for flat, concave and convex surfaces.

COD. 1	€	Range mm	Resolution	Length mm	Height mm
BB39902150	1.194,00	0 ÷ 50	0,02	150	25
BB39902250	1.376,00			250	
BB39910150	1.076,00		0,1	150	
BB39910250	1.258,00			250	



High precision fast internal dial snap gauge

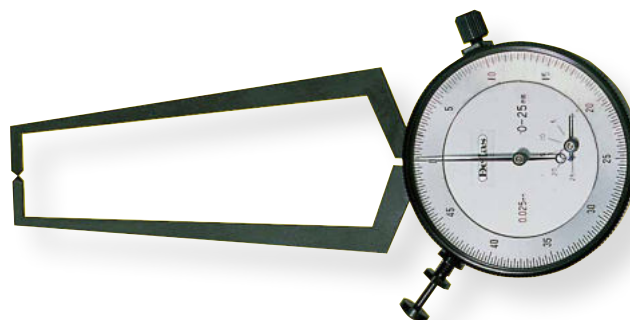
Resolution 0,01mm. Registered anti-shock 2mm movement for high accuracy measurement with gear mechanism. Cast iron frame, maximum stability and repeatability, large, easy to read dial. Interchangeable point anvils to measure deep and narrow grooves. Accuracy $\pm 0,01\text{mm}$.

COD. 1	€	Range mm	Length mm	Spare contact points
BB36534	341,00	20 ÷ 35	165	7 set M2,5
BB36560	350,00	30 ÷ 62	170	5 set M3,5
BB365150	371,00	55 ÷ 153	183	6 set M3,5

Fast internal dial snap gauge

Resolution 0,01mm. Light weight frame, rotating dial, hardened stainless steel spherical contacts. Accuracy $\pm 0,04\text{mm}$.

COD. 1	€	Range mm	Length mm	Spare contact points
BB360409	291,00	3 ÷ 9	40	7 set M2,5
BB3604018	178,00	6 ÷ 18		5 set M3,5



Fast internal dial snap gauge

Resolution 0,01mm. Light weight frame, rotating dial, hardened stainless steel spherical contacts. Accuracy $\pm 0,04\text{mm}$.

COD. 1	€	Range mm	Length mm
BB3626430	265,00	10 ÷ 30	64
BB3626450	267,00	30 ÷ 50	
BB3626470	314,00	50 ÷ 70	

Fast external dial snap gauge

Resolution 0,025mm. Fast, accurate and easy use, hardened stainless steel measuring surfaces. Adjustable, accuracy $\pm 0,06\text{mm}$.

COD. 1	€	Range mm	Length mm
BB37525	287,00	0 ÷ 25	80



IP67 Digital Bluetooth micrometer

Resolution 0,001 mm. Automatic wake-up by moving the measuring spindle. Auto sleep mode. IP67 protection rating. Bluetooth data transmission. Spindle feed of 1 mm per thimble revolution.

COD. 3	€	Range mm	Accuracy mm
BA015025	441,00	0 ÷ 25	± 0,001
BA015050	559,00	25 ÷ 50	
BA015075	607,00	50 ÷ 75	
BA015100	645,00	75 ÷ 100	± 0,002

TOP
quality



IP65 digital micrometer

Resolution 0,001mm. Protection against dust and liquids, ABS function to return to absolute scale. Painted frame.

COD. 1	€	Range mm	Accuracy mm
BA02525	112,00	0 ÷ 25	± 0,001
BA02550	132,00	25 ÷ 50	
BA02575	196,00	50 ÷ 75	
BA025100	235,00	75 ÷ 100	± 0,002
BA025125	248,00	100 ÷ 125	
BA025150	253,00	125 ÷ 150	

COD. 1	€	Range mm	Accuracy mm
BA025175	266,00	150 ÷ 175	± 0,003
BA025200	284,00	175 ÷ 200	
BA025225	310,00	200 ÷ 225	± 0,004
BA025250	336,00	225 ÷ 250	
BA025275	362,00	250 ÷ 275	± 0,005
BA025300	384,00	275 ÷ 300	



IP67 Digital micrometer

Automatic wake-up by moving the measuring spindle, sleeping mode after 20 min of no use (system S.I.S.). Position memorized in sleeping mode (system S.I.S.), absolute system. Protection rating IP67 according to IEC 60529, even connected, for heavy-duty work with coolants and lubricants. Quick displacement of measuring spindle 10mm/rotation. Adjustable measuring force 5N/10N (version BA01030), repeatability never reached before. Thimble in polyacetal-copolymer. Non rotating spindle.

COD. 3	€	Range mm	Dimensions mm
BA01030	444,00	0 ÷ 30	± 0,003
BA01066	663,00	30 ÷ 66	± 0,004
BA010102	710,00	66 ÷ 102	± 0,005

IMPORTANT: The positioning and quality of the rubber joint surrounding the battery cover must be checked after each battery change. The correct positioning of this rubber joint is essential to guarantee protection IP67.



IP65 Fast forward digital micrometer

Resolution 0,001mm. Protection against dust and liquids, ABS function to return to absolute scale, fast forward 2mm/revolution. Painted frame.

COD. 1	€	Range mm	Accuracy mm
BA02025	148,00	0 ÷ 25	± 0,002
BA02050	190,00	25 ÷ 50	± 0,002
BA02075	220,00	50 ÷ 75	± 0,003
BA020100	245,00	75 ÷ 100	± 0,003

Micrometer holder

Cast iron stand and light alloy interchangeable clamp.

COD. 1	€	Dimensions mm
BC060B	25,00	170 x 120 x 120h





Digital micrometer
Resolution 0,001mm. Painted frame.

COD. 1	€	Range mm	Resolution mm
BA02725	71,00	0 ÷ 25	± 0,001
BA02750	96,00	25 ÷ 50	



IP65 One spherical contact digital micrometer
Resolution 0,001mm. Painted frame, protected against dust, water resistant, absolute and incremental measurement, automatic power off.

COD. 1	€	Range mm	Accuracy mm
BA07025	174,00	0 ÷ 25	± 0,002



IP65 Spherical contacts digital micrometer
Resolution 0,001mm. Painted frame, protected against dust, water resistant, absolute and incremental measurement.

COD. 1	€	Range mm	Accuracy mm
BA06525	198,00	0 ÷ 25	± 0,002



Exacto

IP65 Disk digital micrometer

Resolution 0,001mm. For gear measurement. Non-rotating spindle, painted frame, protected against dust and water. mm/inch conversion.

COD. 1	€	Range mm	Accuracy mm	Disk ømm
BA05025	209,00	0 ÷ 25	± 0,004	20
BA05050	235,00	25 ÷ 50		
BA05075	246,00	50 ÷ 75	± 0,005	
BA050100	254,00	75 ÷ 100		



Exacto

IP65 Blade contacts digital micrometer

Resolution 0,001mm. Protection against dust and liquids, ABS function to return to absolute scale, fast forward 2mm/revolution. Painted frame.

COD. 1	€	Range mm	Accuracy mm
BA06025	211,00	0 ÷ 25	± 0,002
BA06050	240,00	25 ÷ 50	
BA06075	259,00	50 ÷ 75	± 0,003
BA060100	272,00	75 ÷ 100	



Exacto

Anvils 60°

n°	Metric thread mm	UN-UNC-UNF thread inch
1	0,4 - 0,5	64 - 48
2	0,6 - 0,9	44 - 28
3	1,0 - 1,75	24 - 14
4	2,0 - 3,0	13 - 9
5	3,5 - 5,0	8 - 5
6	5,5 - 7	4,5 - 3,5

IP65 Outside thread digital micrometer

Resolution 0,001mm. 60° anvil to measure pitch diameter and metric screw threads. Painted frame, protected against dust and water.

COD. 1	€	Range mm	Accuracy mm	Included set anvils 60°
BA08025	249,00	0 ÷ 25	± 0,002	1-2-3-4-5
BA08050	252,00	25 ÷ 50		2-3-4-5-6
BA08075	274,00	50 ÷ 75		3-4-5-6
BA080100	286,00	75 ÷ 100	± 0,003	4-5-6
BA080125	318,00	100 ÷ 125		
BA080150	344,00	125 ÷ 150		



IP65 Digital micrometer head
Resolution 0,001mm. Protected against dust, water resistant.

COD. 1	€	Range mm	Accuracy mm
BA08725	184,00	0 ÷ 25	± 0,003
BA08750	256,00	0 ÷ 50	± 0,005



IP65 Depth digital micrometer.
Resolution 0,001 mm.Protected against dust, water resistant. Spherical contact of the extension.

COD. 1	€	Range mm	Accuracy mm	Base mm
BA09025	185,00	0 ÷ 25	± 0,003	100
BA090100	208,00	0 ÷ 100		
BA090200	245,00	0 ÷ 200		



Exacto

Indicator snap micrometer

Resolution 0,001mm. Retractable anvil with indicator for accurate measurement of mass-produced parts. Painted frame.

COD. 1	€	Range mm	Accuracy mm
BB04025	296,00	0 ÷ 25	± 0,003
BB04050	315,00	25 ÷ 50	
BB04075	374,00	50 ÷ 75	± 0,004
BB040100	474,00	75 ÷ 100	



Exacto

Comparison fork

Moving anvil travel 3 mm. Hardened stainless steel. Ideal for checking cylindrical work pieces, shafts and measuring thickness and length. Dial gauge with shank Ø 8 mm to be ordered separately. Painted frame. HM contact surfaces.

Indicators not included.

COD. 1	€	Range mm
BB07340	322,00	0 ÷ 40
BB07390	376,00	40 ÷ 90
BB073140	463,00	90 ÷ 140
BB073190	526,00	140 ÷ 190



Exacto

IP54 Indicator snap micrometer

Resolution 0,001mm. Retractable anvil with indicator for accurate measurement of mass-produced parts. Painted frame.

COD. 1	€	Range mm	Accuracy mm
BB04525	327,00	0 ÷ 25	± 0,001
BB04550	350,00	25 ÷ 50	
BB04575	384,00	50 ÷ 75	
BB045100	480,00	75 ÷ 100	



Exacto

Big thimble micrometer

Resolution 0,01mm. Forward 1mm/revolution. With big barrel. Painted frame. Sensitive friction positioned onto the feeding unit assay.

COD. 1	€	Range mm	Accuracy mm
BB03025	65,00	0 ÷ 25	± 0,004
BB03050	68,00	25 ÷ 50	
BB03075	76,00	50 ÷ 75	
BB030100	96,00	75 ÷ 100	± 0,005
BB030125	116,00	100 ÷ 125	
BB030150	128,00	125 ÷ 150	
BB030175	144,00	150 ÷ 175	± 0,006
BB030200	170,00	175 ÷ 200	

Exacto

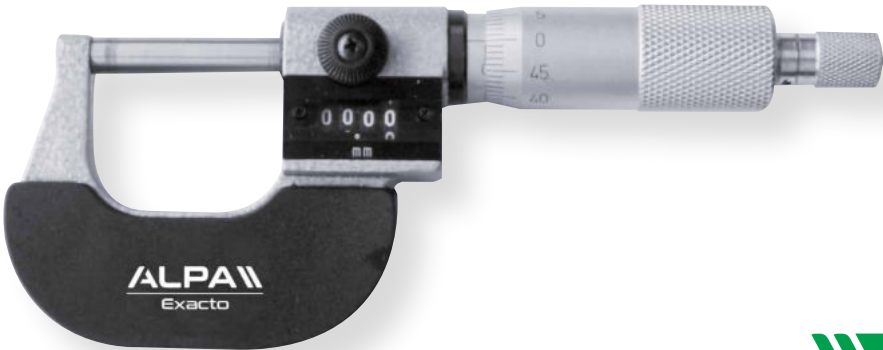
Outside micrometer

Resolution 0,01mm. Matt-chrome finish graduated unit, sensitive friction positioned onto the feeding unit assay, heat-insulating and painted frame cover.

COD. 1	€	Range mm	Resolution mm
BB002025	33,00	0 ÷ 25	0,01
BB002050	50,00	25 ÷ 50	
BB002075	65,00	50 ÷ 75	
BB002100	69,00	75 ÷ 100	
BB002125	85,00	100 ÷ 125	
BB002150	96,00	125 ÷ 150	
BB002175	125,00	150 ÷ 175	
BB002200	162,00	175 ÷ 200	
BB00325	30,00	0 ÷ 25	0,01



€ 30,00
BB00325



Exacto

Micrometer with counter

Resolution 0,01mm. Painted frame, mechanical digit counter for quick reading.

COD. 1	€	Range mm	Accuracy mm
BB01025	50,00	0 ÷ 25	± 0,004
BB01050	60,00	25 ÷ 50	
BB01075	66,00	50 ÷ 75	± 0,005
BB010100	73,00	75 ÷ 100	



Outside micrometer

Resolution 0,01mm. Painted frame.

COD. 1	€	Range mm	Accuracy mm
BB01525	28,00	0 ÷ 25	± 0,004
BB01550	30,00	25 ÷ 50	
BB01575	32,00	50 ÷ 75	
BB015100	36,00	75 ÷ 100	± 0,005
BB015125	40,00	100 ÷ 125	
BB015150	46,00	125 ÷ 150	
BB015175	56,00	150 ÷ 175	± 0,006
BB015200	58,00	175 ÷ 200	
BB015225	68,00	200 ÷ 225	
BB015250	74,00	225 ÷ 250	± 0,007
BB015275	82,00	250 ÷ 275	
BB015300	88,00	275 ÷ 300	

Outside micrometers set

Resolution 0,01mm. Painted frame.

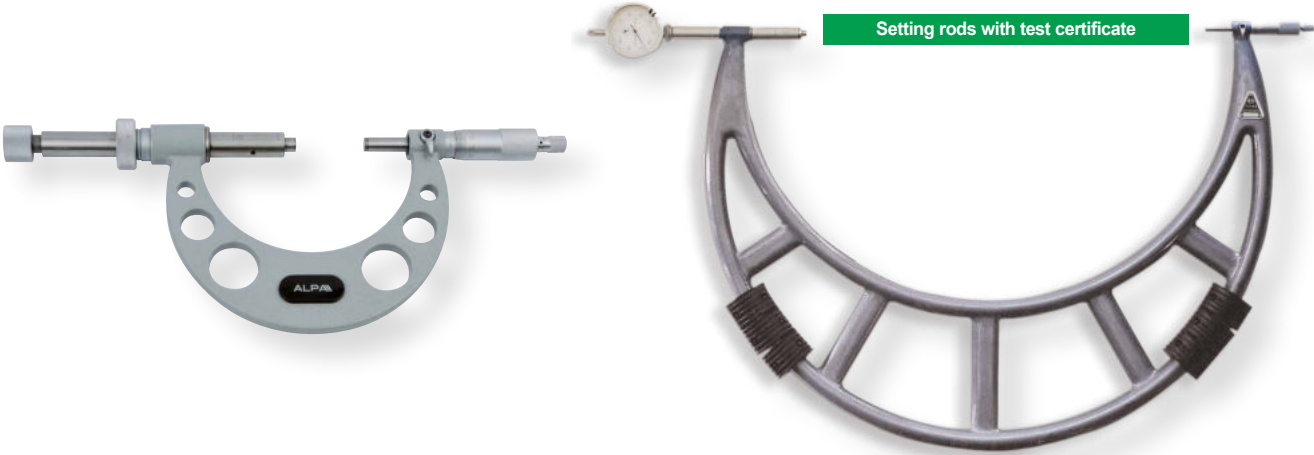
COD. 1	€	Range mm	Composition
BB020100SET	108,00	Set 0 ÷ 100	BB01525 - BB01550 BB01575 - BB015100
BB020150SET	184,00	Set 0 ÷ 150	BB01525 - BB01550 - BB01575 BB015100 - BB015125 - BB015150
BB020300SET	568,00	Set 0 ÷ 300	BB01525 - BB01550 - BB01575 BB015100 - BB015125 - BB015150 BB015175 - BB015200 - BB015225 BB015250 - BB015275 - BB015300

Micrometer holder

Cast iron stand and light alloy interchangeable clamp.

COD. 1	€	Dimensions mm
BC060B	25,00	170 x 120 x 120h





Outside micrometer

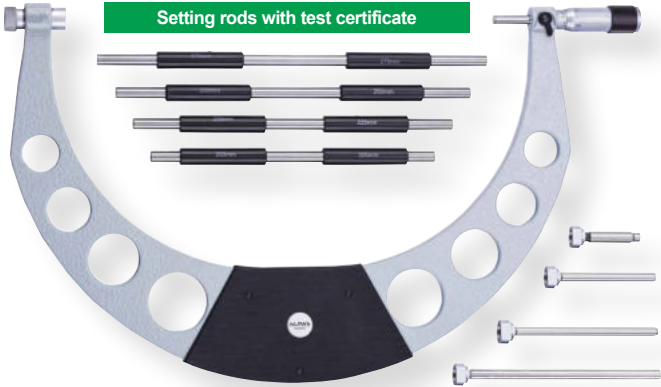
Resolution 0,01mm. Wide measuring range and high accuracy, suitable for mass measurement. Dial gauge with resolution 0,01mm, measuring range 0-5mm, maximum force 10N. Painted frame.

COD. 1	€	Range mm	Accuracy mm
BB007100	243,00	0 ÷ 100	± 0,006
BB007200	337,00	100 ÷ 200	± 0,007
BB007300	413,00	200 ÷ 300	± 0,008

Wooden packaging non-contestable in case of breakage during transport

COD. 1	€	Range mm	Accuracy mm
BB007400	498,00	300 ÷ 400	± 0,009
BB007500	512,00	400 ÷ 500	± 0,010
BB007600	580,00	500 ÷ 600	± 0,011
BB007700	761,00	600 ÷ 700	± 0,012
BB007800	811,00	700 ÷ 800	± 0,013
BB007900	970,00	800 ÷ 900	± 0,014
BB0071000	1.152,00	900 ÷ 1000	± 0,015

Wooden packaging non-contestable in case of breakage during transport



Exacto

Outside micrometer

0,01mm Resolution. Matt-chrome finish graduated spindle and thimble, sensitive friction positioned onto the feeding unit assy, heat-insulating frame cover. Painted frame.

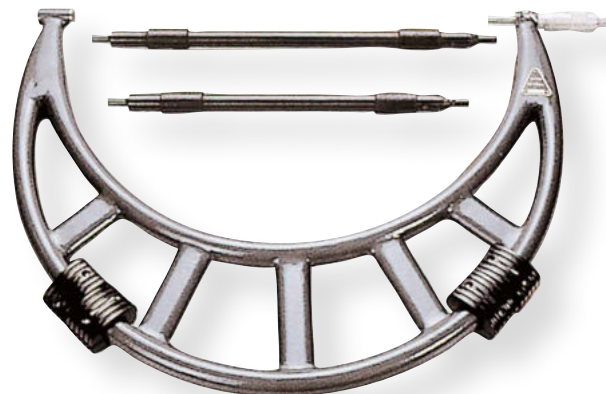
COD. 1	€	Range mm	Resolution mm	Weight kg
BB004300	395,00	200 ÷ 300	0,01	1,7
BB004400	670,00	300 ÷ 400		2,5
BB004500	734,00	400 ÷ 500		3

Light weigth outside micrometer

Resolution 0,01mm. Cast aluminum frame. Matt-chrome finish graduated spindle and thimble, sensitive friction positioned onto the feeding unit assy, heat-insulating frame cover.

COD. 1	€	Range mm	Resolution mm	Weight kg
BB008600	1.031,00	500 ÷ 600	0,01	3,7
BB008700	1.400,00	600 ÷ 700		4,3
BB008800	1.640,00	700 ÷ 800		4,6
BB008900	1.880,00	800 ÷ 900		5,6
BB0081000	2.224,00	900 ÷ 1000		6,8

Wooden packaging non-contestable in case of breakage during transport



Setting rods with test certificate available up to 900 ÷ 1000

Outside micrometer

Resolution 0,01mm. Satin-chromed graduated spindle and thimble, sensitive friction, stop lever. Complete with zero-setting standards. Painted frame.

COD. 1	€	Range mm	Accuracy mm
BB006100	144,00	0 ÷ 100	± 0,007
BB006200	223,00	100 ÷ 200	± 0,008
BB006300	236,00	200 ÷ 300	± 0,009
BB006400	290,00	300 ÷ 400	± 0,011
BB006500	322,00	400 ÷ 500	± 0,013

Wooden packaging non-contestable in case of breakage during transport

COD. 1	€	Range mm	Accuracy mm
BB006600	399,00	500 ÷ 600	± 0,015
BB006700	442,00	600 ÷ 700	± 0,016
BB006800	515,00	700 ÷ 800	± 0,018
BB006900	620,00	800 ÷ 900	± 0,020
BB0061000	693,00	900 ÷ 1000	± 0,020
BB0061200	1.202,00	1000 ÷ 1200	± 0,020
BB0061400	1.342,00	1200 ÷ 1400	± 0,024
BB0061600	1.448,00	1400 ÷ 1600	± 0,028
BB0061800	1.605,00	1600 ÷ 1800	± 0,031
BB0062000	1.793,00	1800 ÷ 2000	± 0,034

Wooden packaging non-contestable in case of breakage during transport



Inside micrometer with extension rods

Resolution 0,01mm. Tungsten carbide tipped. Provided with wooden case.

COD. 1	€	Range mm	Extension rods mm	Composition mm
BB25063	89,00	50 ÷ 63	-	Only micrometer head
BB250150	105,00	50 ÷ 150	16	13 - 25 - 50
BB250300	131,00	50 ÷ 300		13 - 25 - 50 (2 pz) - 100
BB250600	187,00	50 ÷ 600		13 - 25 - 50 - 100 - 150 - 200
BB2501000	472,00	50 ÷ 1000		13 - 25 - 50 100 (2 pz) - 150 200 - 300
BB2501500	832,00	50 ÷ 1500	23	13 - 25 - 50 - 100 (2 pz) - 150 - 200 (2 pz) - 300 (2 pz)
BB2502000	946,00	150 ÷ 2000		25 - 50 (2 pz) - 100 - 200 (2 pz) - 400 (3 pz)
BB2503000	1.678,00	1000 ÷ 3000	28	50 - 100 (2 pz) - 200 - 500 - 1000 (2 pz)

1000 extension for BB2503000 available



Analogue bore gauge

Bowers XT Analogue Bore Gauges are a perfect solution for accurate bore measurement. Their wide application range, 2-300mm, rugged construction and easy read scale, ensure both accuracy and ease of use. XT measuring heads and setting rings are supplied with UKAS certification.

2-6mm 2 point, 6-300mm 3 point measurement.

Blind bore measurement between 2-6mm and from 12,5 to 300 mm.

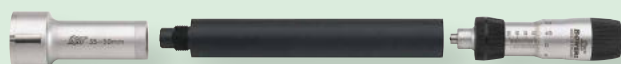


SINGLE GAUGE SUPPLIED WITH SETTING RING AND UKAS CERTIFICATES

COD. 1	€	Range mm	Accuracy mm	Depth mm	Ring mm
BB3002,5	967,00	2 ÷ 2,5	± 0,002	9	2,50
BB3003	969,00	2,5 ÷ 3		12	4
BB3004	865,00	3 ÷ 4		18	5
BB3005	865,00	4 ÷ 5		58	8
BB3006	778,00	5 ÷ 6		62	12,50
BB3008	394,00	6 ÷ 8		66	20
BB30010	363,00	8 ÷ 10		80	35
BB30012,5	363,00	10 ÷ 12,5		100	65
BB30016	363,00	12,5 ÷ 16		115	80
BB30020	368,00	16 ÷ 20			
BB30025	410,00	20 ÷ 25	± 0,0025	80	65
BB30035	580,00	25 ÷ 35		100	80
BB30050	592,00	35 ÷ 50	± 0,003	115	125
BB30065	664,00	50 ÷ 65			
BB30080	710,00	65 ÷ 80			
BB300100	900,00	80 ÷ 100			
BB300125	904,00	100 ÷ 125			
BB300150	1.046,00	125 ÷ 150			

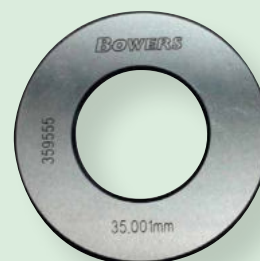
BORE GAUGE SET WITH UKAS CERTIFICATE

COD. 1	€	Range mm	Micrometer n°	Ring n°
BB3103SET	1.643,00	2 ÷ 3	2	1
BB3106SET	2.225,00	3 ÷ 6	3	2
BB31010SET	609,00	6 ÷ 10	2	1
BB31020SET	971,00	10 ÷ 20	3	2
BB31050SET	1.542,00	20 ÷ 50		
BB310100SET	2.077,00	50 ÷ 100		
BB310150SET	1.647,00	100 ÷ 150	2	1
BB310200SET	2.279,00	150 ÷ 200		



SINGLE GAUGE WITH UKAS CERTIFICATE WITHOUT SETTING RING

BB300175W	1.215,00	150 ÷ 175	± 0,0035	115	175
BB300200W	1.420,00	175 ÷ 200			
BB300225W	1.509,00	200 ÷ 225	± 0,004	118	225
BB300250W	1.566,00	225 ÷ 250			
BB300275W	1.666,00	250 ÷ 275	± 0,0045		275
BB300300W	1.763,00	275 ÷ 300			



EXTENSIONS

COD. 1	€	Length mm	For heads mm
BC07510	121,00	63	6 ÷ 10
BC07512,5	121,00	76	10 ÷ 12,5
BC07520	121,00	100	12,5 ÷ 20
BC07550	177,00	150	20 ÷ 50
BC075300	197,00		50 ÷ 300

SETTING RINGS WITH UKAS CERTIFICATE

COD. 1	€	UKAS certified setting rings mm
BC080175	482,00	175
BC080225	749,00	225
BC080275	940,00	275



BOWERS



IP67 Bluetooth digital bore gauge micrometer

Bowers XT Digital internal micrometers give the operator the advantage of traditional quality ratchet gauges allied to advanced IP67 electronics. The extended mechanical travel of the XT range means that special heads can be also manufactured to satisfy customer's most awkward measuring problems. Measuring heads for threads, splines slots, grooves, deep-holes and many more applications are available on request. The Bowers XT range of internal micrometers can be supplied as individual instruments or in complete sets. All XT instruments give the customer the advantage of extended measuring range with fixed anvils and UKAS certification of both measuring heads and setting rings as standard. **2-6mm 2 point, 6-300mm 3 point measurement.** **Blind bore measurement between 2-6mm and from 12,5 to 300 mm.**



BORE GAUGE SET WITH UKAS CERTIFICATE

COD. 1	€	Range mm	Heads n°	Ring n°
BA2126SET	3.400,00	2 ÷ 6	5	3
BA21210SET	1.351,00	6 ÷ 10	2	1
BA21220SET	1.811,00	10 ÷ 20	3	2
BA21250SET	2.278,00	20 ÷ 50		
BA212100SET	2.750,00	50 ÷ 100		
BA212150SET	2.313,00	100 ÷ 150	2	1
BA212200SET1	2.752,00	150 ÷ 200		
BA212200SET2	4.377,00	100 ÷ 200	4	2



EXTENSIONS

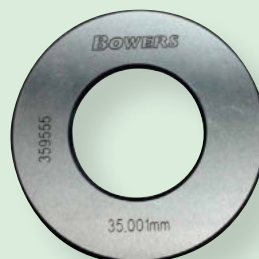
COD. 1	€	Length mm	For heads mm
BC07510	121,00	63	6 ÷ 10
BC07512,5	121,00	76	10 ÷ 12,5
BC07520	121,00	100	12,5 ÷ 20
BC07550	177,00	150	20 ÷ 50
BC075300	197,00		50 ÷ 300

SINGLE GAUGE SUPPLIED WITH SETTING RING AND UKAS CERTIFICATES

COD. 1	€	Range mm	Accuracy mm	Depth mm	Ring mm
BA2113	1.661,00	2,5 ÷ 3	± 0,002	9	2,50
BA2114	1.661,00	3 ÷ 4		12	4
BA2115	1.647,00	4 ÷ 5		18	
BA2116	1.647,00	5 ÷ 6		58	5
BA2118	1.065,00	6 ÷ 8			8
BA21110	1.065,00	8 ÷ 10			12,50
BA21112,5	1.080,00	10 ÷ 12,5		62	
BA21116	1.185,00	12,5 ÷ 16		66	20
BA21120	1.185,00	16 ÷ 20			35
BA21125	1.412,00	20 ÷ 25		± 0,0025	
BA21135	1.562,00	25 ÷ 35	100		80
BA21150	1.618,00	35 ÷ 50			
BA21165	1.785,00	50 ÷ 65	± 0,003	115	125
BA21180	1.785,00	65 ÷ 80			
BA211100	1.790,00	80 ÷ 100			
BA211125	2.036,00	100 ÷ 125			
BA211150	2.112,00	125 ÷ 150			

SINGLE GAUGE WITH UKAS CERTIFICATE WITHOUT SETTING RING

BA211175W	2.092,00	150 ÷ 175	± 0,0035	115	175
BA211200W	1.989,00	175 ÷ 200			
BA211225W	2.430,00	200 ÷ 225	± 0,004	118	225
BA211250W	2.712,00	225 ÷ 250			
BA211275W	2.837,00	250 ÷ 275	± 0,0045		275
BA211300W	3.135,00	275 ÷ 300			



Bluetooth connection device
For pc or laptop data transmission



95€
BC076BLE

SETTING RINGS WITH UKAS CERTIFICATE

COD. 1	€	UKAS certified setting rings mm
BC080175	482,00	175
BC080225	749,00	225
BC080275	940,00	275



IP67 Bluetooth digital pistol grip bore gauge

Digital pistol-grip micrometer bore gauge. Advanced trigger action, Fast and accurate measurement. IP67 electronics, simple 2-button operation, 4 preset memories, tolerances. Blind bore measurement above 12.5mm. Supplied with wooden case. Setting rings and UKAS certificates included.

2-6mm 2 point, 6-300mm 3 point measurement.

Blind bore measurement between 2-6mm and from 12,5 to 300 mm.

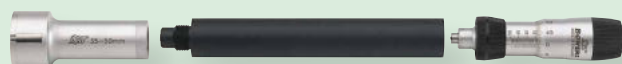


SMALL SET WITH UKAS CERTIFICATE

COD. 1	€	Range mm	Heads n°	Ring n°
BA2423SET	4.192,00	2 ÷ 6	5	3
BA24210SET	1.399,00	6 ÷ 10	2	1
BA24220SET	1.833,00	10 ÷ 20	3	2
BA24250SET	2.380,00	20 ÷ 50		
BA242100SET	2.659,00	50 ÷ 100	2	2
BA242150SET	2.383,00	100 ÷ 150		
BA242200SET	3.165,00	150 ÷ 200		

LARGE SET WITH UKAS CERTIFICATE

COD. 1	€	Range mm	Heads n°	Ring n°
BA24220SETL	2.196,00	6 ÷ 20	5	3
BA242100SETL	3.914,00	20 ÷ 100	6	
BA242200SETL	5.262,00	100 ÷ 200	4	2



EXTENSIONS

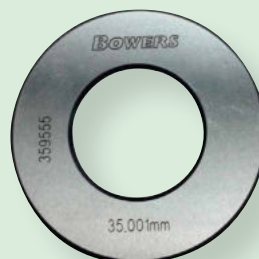
COD. 1	€	Length mm	Heads mm
BC07510	121,00	63	6 ÷ 10
BC07512,5	121,00	76	10 ÷ 12,5
BC07520	121,00	100	12,5 ÷ 20
BC07550	177,00	150	20 ÷ 50
BC075300	197,00		50 ÷ 300

SINGLE GAUGE SUPPLIED WITH SETTING RING AND UKAS CERTIFICATES

COD. 1	€	Range mm	Accuracy mm	Depth mm	Ring mm
BA2258	1.200,00	6 ÷ 8	± 0,002	58	8
BA22510	1.260,00	8 ÷ 10			12,50
BA22512,5	1.280,00	10 ÷ 12,5		62	
BA22516	1.300,00	12,5 ÷ 16			66
BA22520	1.340,00	16 ÷ 20		80	
BA22525	1.420,00	20 ÷ 25			85
BA22535	1.550,00	25 ÷ 35		± 0,003	
BA22550	1.590,00	35 ÷ 50	± 0,0035		100
BA22565	1.630,00	50 ÷ 65			
BA22580	1.630,00	65 ÷ 80			
BA225100	1.780,00	80 ÷ 100	± 0,0035	100	175
BA225125	1.820,00	100 ÷ 125			
BA225150	1.900,00	125 ÷ 150			
BA225175	2.150,00	150 ÷ 175	± 0,0035	100	175
BA225200	2.250,00	175 ÷ 200			

SINGLE GAUGE WITH UKAS CERTIFICATE WITHOUT SETTING RING

BA225225W	2.450,00	200 ÷ 225	± 0,004	100	225
BA225250W	2.560,00	225 ÷ 250			
BA225275W	2.870,00	250 ÷ 275	± 0,0045	103	275
BA225300W	3.200,00	275 ÷ 300			



Bluetooth connection device
For pc or laptop data transmission



95€
BC076BLE

SETTING RINGS WITH UKAS CERTIFICATE

COD. 1	€	UKAS certified setting rings mm
BC080175	482,00	175
BC080225	749,00	225
BC080275	940,00	275



Bowers microgauge set

The new MicroGauge 2-point bore gauging system has been designed specifically for the measurement of small bores between 1.0-6.0mm.

- New easy to read slimline digital display
- Switchable resolution 0,01/0,001/0,0005mm
- Proximity data output
- Repeatability: 0,001mm
- UKAS-certificates as standard with all setting rings
- Hard-chromed ball-contacts



SMALL SET WITH RING AND UKAS CERTIFICATE

COD. 1	€	Range mm
BA270155SET	2.679,00	0,95 ÷ 1,55
BA270245SET	1.609,00	1,50 ÷ 2,45
BA270425SET	2.587,00	2,25 ÷ 4,25
BA270635SET	1.944,00	3,65 ÷ 6,35
BA2701035SET	2.976,00	6,15 ÷ 10,35

Set: Including digital readout, measuring heads, depth stop and setting rings with UKAS certificate.

LARGE SET WITH RING AND UKAS CERTIFICATE

COD. 1	€	Range mm
BA270245SETL	3.395,00	0,95 ÷ 2,45
BA270425SETL	3.193,00	1,50 ÷ 4,25
BA270635SETL	3.200,00	2,25 ÷ 6,35

Set: Including digital readout, measuring heads, depth stop and setting rings with UKAS certificate.

Compact size for a great versatility of use



Depth stop included

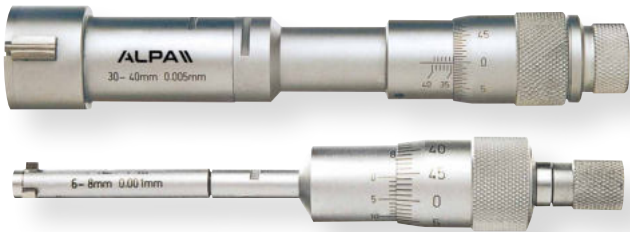




Three points internal micrometers set

Complete with zero-setting rings and extension (100mm -150mm).

COD. 1	€	Range mm	Single instruments mm	Rings ø mm	Extension mm
BB27212SET	615,00	6 ÷ 12	6-8/8-10/10-12	6/8/10	100
BB27220SET	384,00	12 ÷ 20	12-16/16-20	16	150
BB27240SET	720,00	20 ÷ 40	20-25/25-30/30-40	25/40	
BB272100SET	1.408,00	40 ÷ 100	40-50/50-63/62-75/75-88/87-100	40/62/87	



Three points inside micrometer

Measurement range reading 6-12mm 0,001, over 0,005mm. Graduated feeding unit assay with sensible friction, satin-chromed version. Complete with setting ring and extension rod.

COD. 1	€	Range mm	Accuracy mm	Ring ø mm	Extension mm
BB2708	284,00	6 ÷ 8	± 0,004	6	100
BB27010	284,00	8 ÷ 10		8	
BB27012	284,00	10 ÷ 12		10	
BB27016	208,00	12 ÷ 16		16	150
BB27020	208,00	16 ÷ 20		25	
BB27025	279,00	20 ÷ 25	± 0,005	40	
BB27030	279,00	25 ÷ 30		62	
BB27040	328,00	30 ÷ 40		87	
BB27050	373,00	40 ÷ 50			
BB27063	373,00	50 ÷ 63			
BB27075	380,00	62 ÷ 75			
BB27088	388,00	75 ÷ 88			
BB270100	445,00	87 ÷ 100			



Three points inside micrometer

Graduated feeding unit assay with sensible friction, chromed version.

COD. 1	€	Range mm	Accuracy mm
BB271125	456,00	100 ÷ 125	± 0,005
BB271150	456,00	125 ÷ 150	
BB271175	448,00	150 ÷ 175	
BB271200	448,00	175 ÷ 200	± 0,010
BB271225	632,00	200 ÷ 225	
BB271250	632,00	225 ÷ 250	
BB271275	632,00	250 ÷ 275	
BB271300	632,00	275 ÷ 300	

pag. 51 for setting rings

TOP
quality

MEGArød

IP67 Digital indicator

Tough construction, water resistant. IP67 protection according to IEC 60529, even connected. Technology with configurable menus. Broad choice of functions (min/max, delta, tol, factor, preset, auto off, ecc.). Automatic wake up and sleeping mode, absolute system. Cylindrical mounting $\varnothing$ 8mm.

COD. 1	€	Range mm	Resolution mm	$\varnothing$ mm
CA01012,5	522,00	0 ÷ 12,5	0,001	59,50
CA01025	577,00	0 ÷ 25		
CA01050	980,00	0 ÷ 50		

TOP
quality

MEGArød

IP54 Digital indicator

Tough construction, water and coolant resistant. Technology with configurable menus. Automatic wake-up and sleeping mode, absolute system. Cylindrical mounting $\varnothing$ 8mm.

COD. 1	€	Range mm	Resolution mm	$\varnothing$ mm
CA01812,5C	290,00	0 ÷ 12,5	0,01	59,50
CA01812,5M	355,00		0,001	
CA01825C	330,00	0 ÷ 25	0,01	
CA01825M	380,00		0,001	
CA01850C	655,00	0 ÷ 50	0,01	
CA01850M	732,00		0,001	

TOP
quality

MEGArød

IP54 Digital indicator

Tough construction, water and coolant resistant. Technology with configurable menus. Broad choice of functions (min/max, delta, tol, factor, preset, auto off, etc.). Automatic wake-up and sleeping mode, absolute system. Cylindrical mounting $\varnothing$ 8mm.

COD. 1	€	Range mm	Resolution mm	$\varnothing$ mm
CA01512,5C	383,00	0 ÷ 12,5	0,01	59,50
CA01512,5M	485,00		0,001	
CA01525C	390,00	0 ÷ 25	0,01	
CA01525M	515,00		0,001	
CA01550C	696,00	0 ÷ 50	0,01	
CA01550M	750,00		0,001	



5 Function

Digital dial indicator with large display

Zero setting at any position. Cylindrical mounting $\varnothing$ 8mm.

MILLESIMAL

COD. 1	€	Range mm	Resolution mm
CA02110	116,00	0 ÷ 12,5	0,001

CENTESIMAL

COD. 1	€	Range mm	Resolution mm
CA02010	96,00	0 ÷ 12,5	0,01
CA02025	134,00	0 ÷ 25	
CA02050	235,00	0 ÷ 50	



CB00510
Anti-shock
mechanism



CB00605

Analogic dial indicator

Resolution 0,01mm - Metal casing and ring nut, steel tips. Accuracy according to UNI4180. Cylindrical mounting $\varnothing$ 8mm.

COD. 1	€	Range mm	Resolution mm	$\varnothing$ mm
CB01305	28,00	0 ÷ 5	0,01	40
CB01410	24,00	0 ÷ 10	0,01	58
CB01425	36,00	0 ÷ 25	0,01	
CB01430	55,00	0 ÷ 30	0,01	
CB02150	80,00	0 ÷ 50	0,01	80

Analogic dial indicator

Metal casing and ring nut, shock-proof mechanism only for CB00510. Accuracy according to UNI4180. Cylindrical mounting $\varnothing$ 8mm.

COD. 1	€	Range mm	Resolution mm	$\varnothing$ mm
CB00510	35,00	0 ÷ 10	0,01	58
CB00525	70,00	0 ÷ 25		
CB00530	76,00	0 ÷ 30		

COD. 1	€	Range mm	Resolution mm	$\varnothing$ mm
CB00605	46,00	0 ÷ 5	0,01	40



CB01010ST
Back with lug
CB01010STF
Flat back

TECLOCK®



Analogic dial indicator

Anti-shock mechanism. Accuracy according to UNI4180. Cylindrical mounting $\varnothing$ 8mm.

COD. 1	€	Range mm	Resolution mm	Force N	$\varnothing$ mm
CB01010ST	42,00	0 ÷ 10	0,01	1,2	56
CB01010STF	42,00			1,2	55

Analogic dial indicator

Metal casing and ring nut, tolerance indicators.

COD. 1	€	Range mm	Resolution mm
CB01210ST	28,00	0 ÷ 10	0,01

TECLOCK®

**Analogic dial indicator**

Anti-shock mechanism. Accuracy according to UNI4180. Cylindrical mounting $\varnothing$ 8mm.

COD. 1	€	Range mm	Resolution mm	Force N	$\varnothing$ mm
CB01010WP	109,00	0 ÷ 10	0,01	1,5	58

**Analogic dial indicator**

Movement on jewel bearings, hardened stainless steel stem and spindle. Double dial reading. Accuracy according to UNI4180. Cylindrical mounting $\varnothing$ 8mm.

COD. 1	€	Range mm	Resolution mm	$\varnothing$ mm
CB00750	166,00	0 ÷ 50	0,01	88

**Analogic dial indicator**

Range 5mm. Stainless steel stem and hardened steel tip. Accuracy according to UNI4180. Cylindrical mounting $\varnothing$ 8mm.

COD. 1	€	Range mm	Resolution mm	$\varnothing$ mm
CB0560	103,00	0 ÷ 5	0,001	58

**Analogic dial indicator $\varnothing$ 58mm**

Range 1mm. Stainless steel stem and hardened steel tip. Accuracy according to UNI4180. Cylindrical mounting $\varnothing$ 8mm.

COD. 1	€	Range mm	Resolution mm	$\varnothing$ mm
CB0261	81,00	0 ÷ 1	0,001	58



CB050270,8



CB050270,5



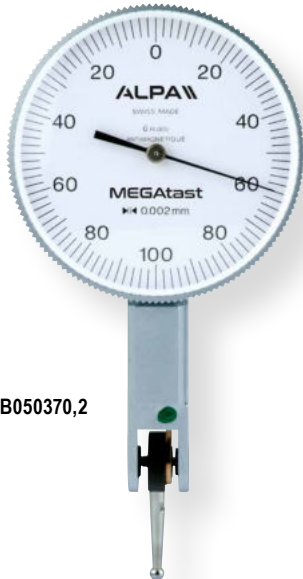
CB050270,2



CB050370,8



CB050370,5



CB050370,2



Dial test indicators

Swiss made high quality lever dial indicators (according to DIN 2270A). Automatic reversal of the stylus direction of rotation. Rotable bezel for zero setting. High accuracy movement mounted on 6 ruby bearings. Carbide ball stylus, adjustable within 270° and interchangeable. Robust one-piece body featuring dovetail snug $\varnothing$ 8mm.

COD. 1	€	Range mm	Resolution mm	Ø mm	Length mm
CB050270,8	112,00	0 ÷ 0,8	0,01	27,4	12
CB050270,2	122,00	0 ÷ 0,2	0,002		36
CB050270,5	138,00	0 ÷ 0,5	0,01		
CB050370,8	128,00	0 ÷ 0,8	0,01	37	12
CB050370,2	151,00	0 ÷ 0,2	0,002		36
CB050370,5	168,00	0 ÷ 0,5	0,01		



CB052080129
CB052080129L
CB052080138
CB052080138L



CB0520200229
CB0520200238

Dial test indicators

High quality and reliability dial lever test indicator. Rotable bezel for zero setting. Dove tail snug.

COD. 1	€	Range mm	Resolution mm	Ø mm	Length mm
CB052080129	78,00	0 ÷ 0,8	0,01	29	11,9
CB052080129L	107,00				33,6
CB052080138	90,00			38	11,9
CB052080138L	125,00				33,6
CB0520200229	127,00	0 ÷ 0,2	0,002	29	12,9
CB0520200238	132,00			38	



CC070D



CC070F



CC070A



CC070B



CC070C



CC070E

Accessories for dial test indicators

COD. 1	€	Description
CC070D	22,00	Centering shoulder perpendicular model with cylindral rod ø 8 x 25mm, clamping point mounting rod and dovetail clamp ø 4mm
CC070F	74,00	Universal dial support ø 8 x 40mm

COD. 1	€	Description
CC070A	15,00	Fixing shank with dovetail clamp ø 4mm
CC070B	15,00	Fixing shank with dovetail clamp ø 8mm
CC070C	78,00	Long swivel holder with cylindrical shank and dovetail clamp ø 8 x 90mm
CC070E	85,00	Long swivel holder with cylindrical shank and dovetail clamp as well as fine adjustment ø 8 x 125mm



KIT 120€
CD021M80 + CB00510



KIT 200€
CD016ME + CB00510



CD016ME

CD018ID

Magnetic stand with articulated key

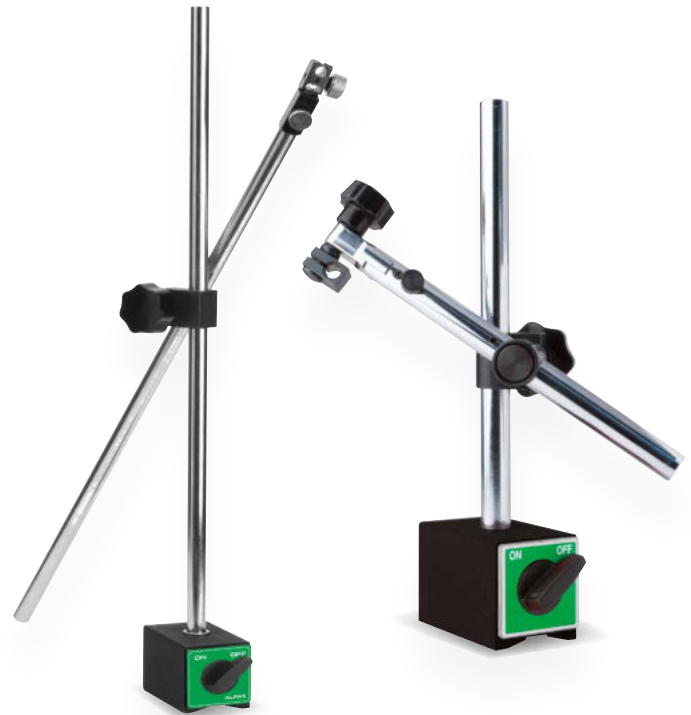
Dial indicator stand, rods $\varnothing$ 14 mm, central locking, gauge holder $\varnothing$ 8 mm, magnetic base M8 with fine adjustment.

COD. 1	€	Locking	Holding power Kg	Arm mm
CD021M80	91,00	Mechanical	80	340

Magnetic indicator stand

Adjustable arms with central locking and fine adjustment. Flat and V-groove fine grinded magnetic base, $\varnothing$ 8mm clamping shaft.

COD. 1	€	Locking	Holding power Kg	Arm mm
CD016ME	181,00	Mechanical	100	340
CD016MEL	250,00			426
CD018ID	176,00	Hydraulic	100	336
CD018IDL	240,00			434



Fix magnetic base dial gauge stand

Base always magnetically active.

COD. 1	€	Locking	Base dimensions mm	Holding power Kg	Arm mm
CD029M30	84,00	Mechanical	45 x 30	30	150

Magnetic stand with fine adjustment

Heavy universal dial indicator vertical rod $\varnothing 16\text{mm}$ - horizontal rod $\varnothing 16\text{mm}$ - gauge holder $\varnothing 8\text{mm}$ - magnetic base 100 kg - fine adjustment device.

COD. 1	€	Locking	Holding power Kg	Arm mm
CD022M490	130,00	Mechanical	100	490
CD022M1000	200,00			1000 rod (500x500)

KANETEC



CD010160



CD010180



CD010194

Magnetic indicators stands

High quality japanese made magnetic base, considered by many the best on the market thanks to the high quality construction and durability. On all models magnetic base with V-groove, chromed arm, clamping shaft $\varnothing 8\text{mm}$. Holding power 80 kg. Arm dimension $\varnothing 12\text{mm}$.

COD. 1	€	Locking	Fine adjustment	Arm mm
CD010160	62,00	Mechanical	NO	160
CD010180	77,00		YES	180
CD010194	131,00		NO	194



Dial gauge holder stand with granite base

Flatness and precision according to DIN 876/00. Column with fully articulated rods with centralised locking and micrometric adjustment. Dove tail connection for 8mm (symbol) diameter dial gauge.

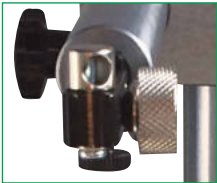
COD. 1	€	Locking	Base mm	Arm mm
CD024ME	290.00	Mechanical	300 x 200	340



CD040B
without fine adjustment



CD040C
with fine adjustment thread column



CD040D
with fine adjustment thread column

Dial gauge stand with granite base

DIN 876/00 compliant flatness and accuracy, sturdy, highly stable structure, hardened and grinded stainless steel stand column and fine lapped surface, ø8mm dial gauge coupling. Dial gauge not included.

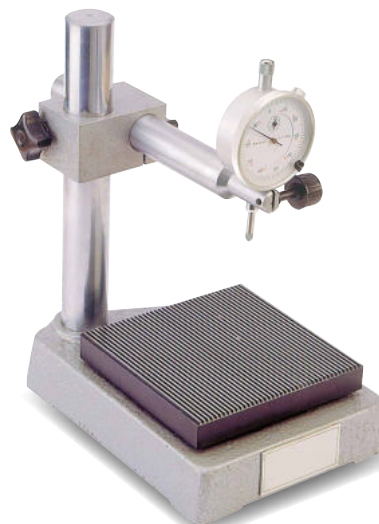
COD. 1	€	Column Ømm	Base mm	Arm mm
CD040B	190,00	25 x 200	250 x 160	75
CD040C	360,00	30 x 300	300 x 200	180
CD040D	293,00	30 x 300	300 x 200	180



Column type stand

Hardened grinded steel with fixed check plate. H. Column 230mm $\varnothing$ 25 mm. Horizontal arm 75mm.

COD. 1	€	Column $\varnothing$ mm	Base mm	Arm mm
CD02770	142,00	25 x 230	78	75



Column dial gauge holder

Hardened and ground steel, with fix control plate. Smooth column $\varnothing$ 30.

COD. 1	€	Column $\varnothing$ mm	Base mm
CD028125	210,00	200	125 x 125



Detergent for lapped surfaces

Special liquid for lapped surfaces.

COD. 1	€	L
HA1550,5L	22,00	0,5
HA1555L	76,00	5



Granite polishing oil

BLACK LIGHT is a product designed and formulated to protect, revitalise, preserve and polish diabase granite tops.

COD. 1	€	L
HA1600,5L	14,00	0,5
HA1605L	76,00	5



Made in Italy



Standard bore gauge

Alpa bore gauges with a robust frame, reliability and high accuracy. Suitable for hard work conditions in workshop and metrology lab. Carbide moving contact, $\varnothing$ 8mm clamping shank for dial gauge.

HARDENED STAINLESS STEEL CONTACTS

COD. 1	€	Range mm	Max depth mm
DA0101535A	288,00	15 ÷ 35	175
DA01030100A	290,00	30 ÷ 100	250
DA01050160A	326,00	50 ÷ 160	
DA01050210A	372,00	50 ÷ 210	450
DA010100300A	509,00	100 ÷ 300	350
DA010100500AS	550,00	100 ÷ 500	
DA010100500A	726,00	100 ÷ 500	650



EXTENSIONS FOR DIAL BORE GAUGES 30-100mm; 50-160mm; 50-210mm

COD. 1	€	Length mm	Diameter section mm
DA021500	269,00	500	13
DA0211000	393,00	1000	

CARBIDE CONTACTS

COD. 1	€	Range mm	Max depth mm
DA0101535W	287,00	15 ÷ 35	175
DA01030100W	330,00	30 ÷ 100	250
DA01050160W	357,00	50 ÷ 160	
DA01050210W	359,00	50 ÷ 210	450
DA010100300W	636,00	100 ÷ 300	350
DA010100500WS	757,00	100 ÷ 500	
DA010100500W	814,00	100 ÷ 500	650

EXTENSIONS FOR DIAL BORE GAUGES 100-300mm; 100-500mm; 190-1000mm

COD. 1	€	Length mm	Diameter section mm
DA022500	297,00	500	15
DA0221000	414,00	1000	



Made in Italy



Big bores gauge

Ideal for big bores measurement, big measuring field with few accessories. Clamping dial shank $\varnothing$ 8mm. Stem with double insulating grip, accuracy 0,03mm on 0,5mm measuring range. Dial not included.

HARDENED STAINLESS STEEL CONTACTS

COD. 1	€	Range mm	Max depth mm
DA018800A	1.274,00	190 ÷ 1000	800

CARBIDE CONTACTS

COD. 1	€	Range mm	Max depth mm
DA018800W	1.419,00	190 ÷ 1000	800



Abyss

Bore gauges set

Only one set to cover 15 to 210mm measuring range with reliability and less costs.

INCLUDES:

1 bore gauge range 15-35mm 1 analogue dial indicator reading
 1 bore gauge range 30-100mm 0.01mm 'AA' and 'WA' series,
 1 bore gauge range 50-210mm or digital dial indicator with data
 1 extension output 'AD' and 'WD' series

HARDENED STAINLESS STEEL CONTACTS

COD. 1	€	Range mm	Max depth mm
DA025SETAA	727,00	15 ÷ 210	analogical 0,01mm
DA025SETAD	841,00		digital 0,001mm

CARBIDE CONTACTS

COD. 1	€	Range mm	Max depth mm
DA025SETWA	841,00	15 ÷ 210	analogical 0,01mm
DA025SETWD	880,00		digital 0,001mm



Abyss

Bore gauges set with dial indicator

Only one set to cover a wide measuring range.

INCLUDES:

1 bore gauge range 30/100mm 1 dial gauge supplied with case
 1 bore gauge range 100/300mm 2 extensions 100mm (30 -500)

HARDENED STAINLESS STEEL CONTACTS

COD. 1	€	Range mm
DA027SET300AA	730,00	30 - 300
DA027SET500AA	780,00	30 - 500

CARBIDE CONTACTS

COD. 1	€	Range mm
DA027SET300WA	890,00	30 - 300
DA027SET500WA	940,00	30 - 500



Abyss

Gauges for small bores

Interchangeable anvils with counteracting moving contact spheres, suitable for workshop measurements and tests measuring with 0,015mm accuracy. Stainless steel frame, ø40mm dial, resolution 0,01mm included.

HARDENED STAINLESS STEEL CONTACTS

COD. 1	€	Range mm	Max depth mm	Reading mm
DA0150510A	590,00	5 ÷ 10	90	0,01
DA0151020A	640,00	10 ÷ 20	100	0,01

CARBIDE CONTACTS

COD. 1	€	Range mm	Max depth mm	Reading mm
DA0150510W	630,00	5 ÷ 10	90	0,01
DA0151020W	780,00	10 ÷ 20	100	0,01



Bore gauge for blind bores

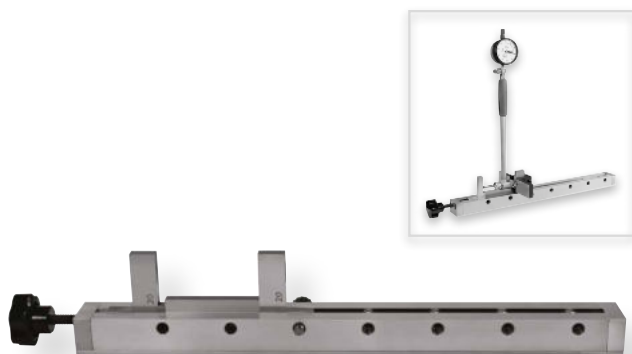
Special head to measure at 2.5mm from the bottom. Maximum accuracy and reliability for high accuracy tests (Japanese class A). Low thermal expansion frame, non conducting handle. Carbide moving contact, interchangeable anvils with hardened stainless steel sphere, Ø 8mm dial gauge clamping shank, accuracy 2µm, repeatability 2µm. Dial not included.

COD. 1	€	Range mm	Max depth mm	Needles n.
DA0451835	320,00	18 ÷ 35	150	9
DA0453560	336,00	35 ÷ 60		6
DA04550150	376,00	50 ÷ 150		11

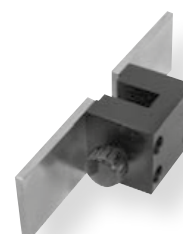
0,001 Resolution from 18 to 400mm bore gauge

Maximum accuracy and reliability for high accuracy tests (Japanese class A). Traditional bore gauge measuring system. Low thermal expansion dilatation frame, non conducting material handle. Carbide moving contact, interchangeable anvils with hardened stainless steel sphere, Ø 8mm dial gauge clamping shank, accuracy 2µm, repeatability 2µm. Dial not included.

COD. 1	€	Range mm	Max depth mm	Needles n.
DA0421835	260,00	18 ÷ 35	103	9
DA0423560	278,00	35 ÷ 60	150	6
DA04250150	320,00	50 ÷ 150		11
DA042100160	590,00	100 ÷ 160		13
DA042160250	690,00	160 ÷ 250	250	6
DA042250400	870,00	250 ÷ 400		5



FA181BA



FA181RD

Gauge block holders

Stainless steel holder for measuring blocks. Gauge blocks (not included) for accurate measures, horizontal or vertical use with support base.

COD. 1	€	Internal use mm	External use mm	Weight Kg
FA180300	636,00	150	190	3,10
FA180400	763,00	250	290	3,50
FA180600	922,00	450	490	4,00
FA180900	1.463,00	750	790	6,50

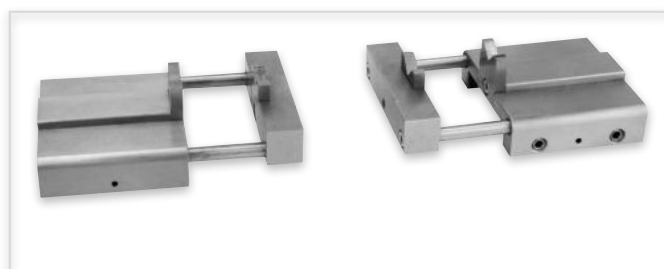
Accessories for gauge block holder

Accessories for code FA180: Base (FA181BA) needed for using the holder vertically, and adapter for bore gauge (FA181RD).

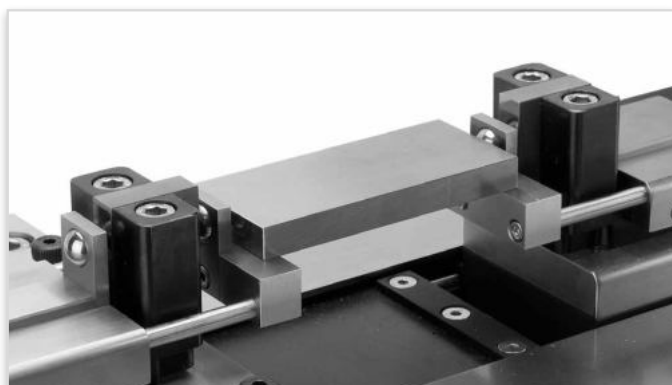
COD. 1	€	Length mm	Weight Kg
FA181BA	530,00	Base optional	1,80
FA181RD	546,00	Bore gauge clamp	0,20



**PRICE ON
REQUEST**



Standard accessories, for calipers, micrometers and bore gauges, included.



METROmax

Setting, calibration and measuring bench

The simplest, fastest, easiest to use, most reliable, accurate, solid and long lasting, made of stabilized cast iron. Light alloy heads, hard metal reset switches (Widia Lappato finish). Glass support optical scales with absolute and incremental correction, large display with settings keyboard, frictioned handwheel, high precision adjustment sliding block. Push and pull preload for reliable measurements. Wide array of accessories available on request for a variety of control operations.

Applications: Control and zero-setting of depth bore gauges, calipers, external micrometers, two/three points internal micrometers, gauge blocks.

COD. 3	Range mm	Accuracy μm	Length mm	Weight Kg
LA015400	400	1,5+L/400	846	50
LA015700	700		1146	60
LA0151000	1000		1446	70
LA0151500	1500		1946	280
LA0152000	2000		2446	366

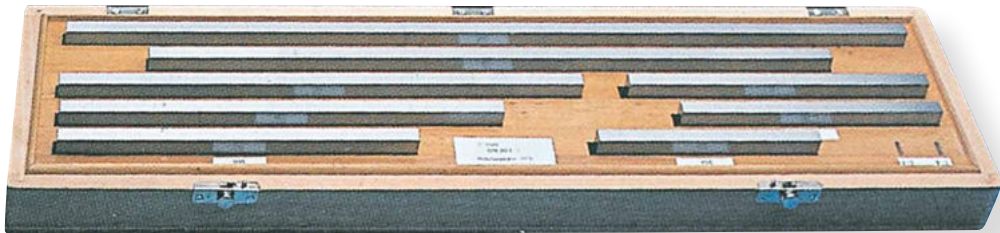


Zirconia gauge blocks

Impressive specifications, the best offered by research on materials, thanks to an exclusive process of molecular transformation, OPUS ceramic zircon offers a mechanical strength which preserves its entirety in case of accident fall. Excellent abrasion resistance, with wear up to 10 times less compared to hardened steel. Low thermal conductivity, high dimensional stability and hand-lapped surfaces.

COD. 1	€	Pieces	Dimensions mm	Grade
FA100470	3.240,00	47	1 pz (1,005) 9 pz (1.01-1.09) 9 pz (1.1-1.9) 24 pz (1-24) 4 pz (25-100)	0
FA100471	2.800,00	47	1 pz (1,005) 9 pz (1.01-1.09) 9 pz (1.1-1.9) 24 pz (1-24) 4 pz (25-100)	1

Complete set with optical parallel for flatness and parallelism inspection of micrometers contacts



Gauge blocks set 8 pcs

Special stainless steel. Hardness more than 63 HRC.

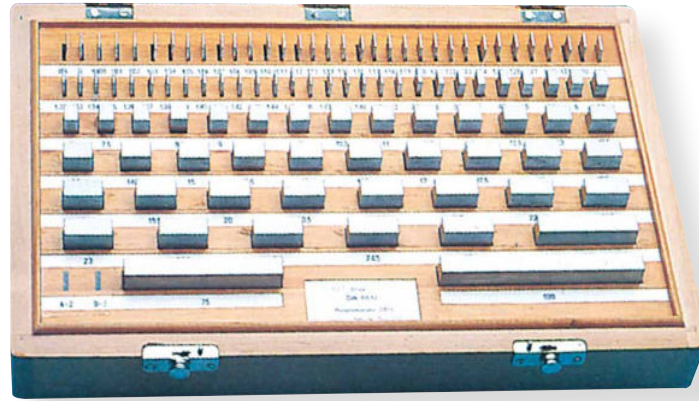
COD. 1	€	Grade	Pieces	Size mm
FA0508	1.120,00	1	8	125 - 150 - 175 - 200 250 - 300 - 400 - 500

ACCREDIA CERTIFICATE FOR LONG GAUGE BLOCKS SET

8 Long Gauge Blocks Set (5-point direct measurement)

ACCREDIA
CENTRO ITALIANO DI ACCREDITAMENTO

732,00



Gauge blocks set

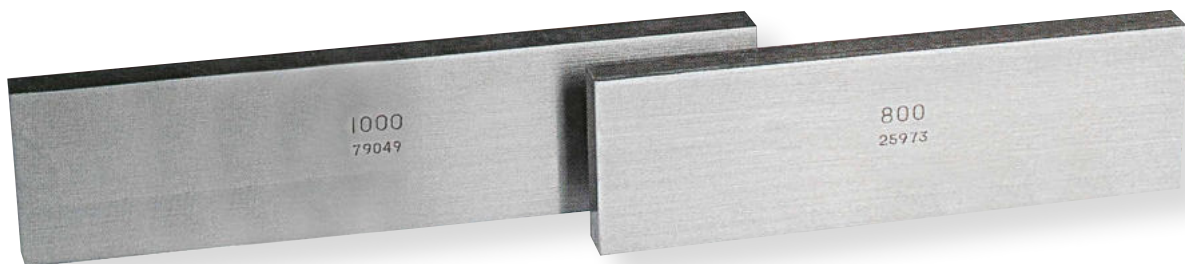
Special stainless steel. Hardness HRC64. According to ISO 3650 DIN 861.

COD. 1	€	Grade	Pieces	Set Pz	Size mm	Progression mm
FA0101030	926,00	0	103	1	1.005	-
FA0101031	600,00	1		49	1.01 ~ 1.49	0,01
				49	0.5 ~ 24.5	0,5
FA0101032	344,00	2		4	25 ~ 100	25
FA010870	711,00	0	87	9	1.001~1.009	0,001
FA010871	480,00	1		49	1.01 ~ 1.49	0,01
				19	0.5 ~ 9.5	0,5
FA010872	273,00	2		10	10 ~ 100	10

COD. 1	€	Grade	Pieces	Set Pz	Size mm	Progression mm
FA010470	540,00	0	47	1	1.005	-
FA010471	312,00	1		9	1.01 ~ 1.09	0,01
				9	1.1 ~ 1.9	0,1
FA010472	197,00	2		24	1 ~ 24	1
				4	25 ~ 100	25
FA010320	397,00	0	32	1	1.005	-
FA010321	229,00	1		9	1.01 ~ 1.09	0,01
				9	1.1 ~ 1.9	0,1
FA010322	159,00	2		3	1 ~ 9	1
				1	10 ~ 30	10
					60	-

COD. 1	€	Grade	Pieces	
FA0121030	1.600,00	0	103	verification on 5 point (certified price included)
FA0121031	1.320,00	1		
FA012870	1.390,00	0	87	
FA012871	1.150,00	1		

COD. 1	€	Grade	Pieces	
FA012470	880,00	0	47	verification on 5 point (certified price included)
FA012471	680,00	1		
FA012320	620,00	0	32	
FA012321	490,00	1		



Single gauge block GRADE 1

According to ISO 3650/1 - DIN 861.

COD. 1	€	Range mm
FA0051250	119,00	125,0
FA0051500	153,00	150,0
FA0051750	180,00	175,0
FA0052000	213,00	200,0
FA0052500	269,00	250,0

COD. 1	€	Range mm
FA0053000	335,00	300,0
FA0054000	402,00	400,0
FA0055000	503,00	500,0
FA0056000	617,00	600,0
FA0057000	699,00	700,0
FA0058000	784,00	800,0
FA0059000	873,00	900,0
FA00510000	958,00	1000,0



Pin gauge set

Tolerance $\pm 0,002\text{mm}$ - Roughness: less than $0,025\text{ }\mu\text{m Ra}$ - Roundness: less than $0,0005\text{mm}$ - Taper: less than $0,001\text{mm}$ - Hardness: 61 - 64 Rockwell C. Single measures available.

COD. 1	€	Pieces	Dimensions mm	Progression mm	Height mm
FA185011	224,00	51	0,5 ÷ 1	0,01	50
FA185110	303,00	91	1 ÷ 10	0,1	
FA185116	280,00	61	10 ÷ 16		
FA185120	280,00	41	16 ÷ 20		
FA185058	502,00	141	1 ÷ 8	0,05	

COD. 1	€	Pieces	Dimensions mm	Progression mm	Height mm
FA1850512	303,00	81	8 ÷ 12	0,05	50
FA185520	270,00	39	1 ÷ 20	0,5	
FA185012	286,00	100	1.01 ÷ 2	0,01	
FA185013	286,00		2.01 ÷ 3		
FA185014	286,00		3.01 ÷ 4		
FA185015	296,00		4.01 ÷ 5		
FA185016	296,00		5.01 ÷ 6		
FA185017	329,00		6.01 ÷ 7		
FA185018	329,00		7.01 ÷ 8		
FA185019	329,00		8.01 ÷ 9		
FA1850110	329,00		9.01 ÷ 10		



Go/no go limit plug gauges set

In hardened steel. Tolerance H7. Supplied in wooden case.

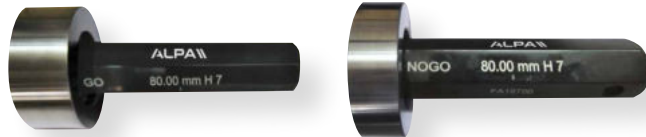
COD. 1	€	Set composition $\varnothing$ mm	Pieces
FA188C	664,00	3-4-5-6-7-8-10-11-12-13 14-15-16-17-18-20-21-22 23-24-25-26-27-28-29-30	26
FA188D	632,00	32-34-35-36-38-40-42-44 46-48-50-52-55-58-60	15



3mm - 10mm



11mm - 65mm



68mm - 100mm



Go/no go plug gauge

In hardened steel. Tolerance H7.

COD. 1	€	mm	COD. 1	€	mm	COD. 1	€	mm
FA1873	24,00	3	FA18725	26,00	25	FA18752	53,00	52
FA1874	24,00	4	FA18726	26,00	26	FA18755	53,00	55
FA1875	24,00	5	FA18727	26,00	27	FA18756	53,00	56
FA1876	24,00	6	FA18728	26,00	28	FA18758	53,00	58
FA1877	24,00	7	FA18729	26,00	29	FA18760	53,00	60
FA1878	24,00	8	FA18730	32,00	30	FA18762	53,00	62
FA1879	24,00	9	FA18732	32,00	32	FA18765	53,00	65
FA18710	25,00	10	FA18733	32,00	33	FA18768	60,00	68
FA18711	24,00	11	FA18734	32,00	34	FA18770	60,00	70
FA18712	24,00	12	FA18735	32,00	35	FA18772	69,00	72
FA18713	24,00	13	FA18736	32,00	36	FA18775	69,00	75
FA18714	24,00	14	FA18737	32,00	37	FA18778	75,00	78
FA18715	24,00	15	FA18738	32,00	38	FA18780	80,00	80
FA18716	24,00	16	FA18740	39,00	40	FA18782	80,00	82
FA18717	24,00	17	FA18742	39,00	42	FA18785	87,00	85
FA18718	24,00	18	FA18744	39,00	44	FA18788	87,00	88
FA18719	24,00	19	FA18745	39,00	45	FA18790	87,00	90
FA18720	26,00	20	FA18746	39,00	46	FA18792	94,00	92
FA18721	26,00	21	FA18747	39,00	47	FA18795	94,00	95
FA18722	26,00	22	FA18748	39,00	48	FA18798	94,00	98
FA18723	26,00	23	FA18750	39,00	50	FA187100	99,00	100
FA18724	26,00	24						

GO/NO GO PLUG GAUGE - CALIBRATION REPORT

Description	COD. 1	€
From 50 mm		10,00
From 50 to 100 mm		19,00
From 100 to 200 mm		29,00

GO/NO GO PLUG GAUGE - CERTIFICATE

Description	COD. 1	€
Single plug gauge up to 100 mm		85,00



Setting ring

Setting ring, according to DIN 2250.

COD. 1	€	mm	COD. 1	€	mm	COD. 1	€	mm
FA1904	48,00	4	FA19020	48,00	20	FA19060	82,00	60
FA1905	48,00	5	FA19021	48,00	21	FA19065	91,00	65
FA1906	48,00	6	FA19022	48,00	22	FA19070	91,00	70
FA1907	48,00	7	FA19023	48,00	23	FA19075	98,00	75
FA1908	48,00	8	FA19024	48,00	24	FA19080	113,00	80
FA1909	48,00	9	FA19025	48,00	25	FA19085	130,00	85
FA19010	45,00	10	FA19026	48,00	26	FA19090	130,00	90
FA19011	45,00	11	FA19027	48,00	27	FA19095	130,00	95
FA19012	45,00	12	FA19028	48,00	28	FA19100	180,00	100
FA19013	45,00	13	FA19029	48,00	29	FA190125	207,00	125
FA19014	45,00	14	FA19030	48,00	30	FA190150	258,00	150
FA19015	45,00	15	FA19035	48,00	35	FA190175	394,00	175
FA19016	45,00	16	FA19040	61,00	40	FA190200	529,00	200
FA19017	45,00	17	FA19045	61,00	45	FA190225	604,00	225
FA19018	45,00	18	FA19050	69,00	50	FA190250	680,00	250
FA19019	45,00	19	FA19055	69,00	55	FA190275	752,00	275

SETTING RINGS - CALIBRATION REPORT

Description	COD. 1	€
From 5 to 50 mm		20,00
From 50 to 100 mm		26,00
From 100 to 200 mm		35,00
From 200 to 300 mm		40,00

SETTING RINGS - CERTIFICATE

Description	COD. 1	€
From 0,5 to 2 mm		130,00
From 2 to 5 mm		80,00
From 5 to 50 mm		45,00
From 50 to 100 mm		50,00
From 100 to 200 mm		55,00
From 200 to 300 mm		60,00





Go/no go Thread plug gauge metric coarse pitch 6H

In hardened steel.

COD. 1	€	Ø and pitch mm	Tolerance
FA225204	47,00	2 x 0,4	6H
FA22522045	47,00	2,2 x 0,45	
FA22525045	47,00	2,5 x 0,45	
FA225305	33,00	3 x 0,5	
FA225407	33,00	4 x 0,7	
FA225508	33,00	5 x 0,8	
FA22561	33,00	6 x 1	
FA22571	33,00	7 x 1	
FA2258125	33,00	8 x 1,25	
FA2259125	33,00	9 x 1,25	
FA2251015	33,00	10 x 1,5	
FA2251115	33,00	11 x 1,5	
FA22512175	33,00	12 x 1,75	
FA225142	41,00	14 x 2	
FA225162	41,00	16 x 2	
FA2251825	51,00	18 x 2,5	
FA2252025	59,00	20 x 2,5	
FA2252225	51,00	22 x 2,5	
FA225243	59,00	24 x 3	
FA225273	72,00	27 x 3	
FA2253035	92,00	30 x 3,5	
FA2253335	92,00	33 x 3,5	
FA225364	92,00	36 x 4	
FA225394	92,00	39 x 4	
FA2254245	110,00	42 x 4,5	
FA2254545	110,00	45 x 4,5	
FA225485	110,00	48 x 5	
FA225525	195,00	52 x 5	
FA2255655	195,00	56 x 5,5	
FA2256055	195,00	60 x 5,5	

On request up to 100 mm

GO OR NOGO THREAD PLUG - CALIBRATION REPORT

Description	COD. 1	€
From 50 mm		21,00
From 50 to 100 mm		24,00
From 100 to 200 mm		27,00

GO OR NOGO THREAD PLUG - CERTIFICATE

Description	COD. 1	€
From 50 mm		80,00
From 50 to 100 mm		90,00
From 100 to 200 mm		100,00



Go/no go Thread ring gauge metric coarse pitch 6G

In hardened steel.

GO		NO GO		Ø and pitch mm	Tolerance
COD. 1	€	COD. 1	€		
FA230204	58,00	FA235204	58,00	2 x 0,4	6g
FA23025045	58,00	FA23525045	58,00	2,5 x 0,45	
FA230305	38,00	FA235305	38,00	3 x 0,5	
FA230407	32,00	FA235407	32,00	4 x 0,7	
FA230508	36,00	FA235508	36,00	5 x 0,8	
FA23061	36,00	FA23561	36,00	6 x 1	
FA2308125	36,00	FA2358125	36,00	8 x 1,25	
FA2309125	42,00	FA2359125	42,00	9 x 1,25	
FA2301015	42,00	FA2351015	42,00	10 x 1,5	
FA23012175	42,00	FA23512175	42,00	12 x 1,75	
FA230142	48,00	FA235142	48,00	14 x 2	
FA230162	54,00	FA235162	54,00	16 x 2	
FA2301825	57,00	FA2351825	57,00	18 x 2,5	
FA2302025	72,00	FA2352025	72,00	20 x 2,5	
FA2302225	72,00	FA2352225	72,00	22 x 2,5	
FA230243	82,00	FA235243	82,00	24 x 3	
FA230273	92,00	FA235273	92,00	27 x 3	
FA2303035	100,00	FA2353035	100,00	30 x 3,5	
FA2303335	112,00	FA2353335	112,00	33 x 3,5	
FA230364	112,00	FA235364	112,00	36 x 4	
FA230394	112,00	FA235394	112,00	39 x 4	
FA2304245	144,00	FA2354245	144,00	42 x 4,5	
FA2304545	152,00	FA2354545	152,00	45 x 4,5	
FA230485	152,00	FA235485	152,00	48 x 5	

On request up to 100 mm

GO OR NOGO THREAD RINGS - CALIBRATION REPORT

Description	COD. 1	€
From 5 mm		36,00
From 6 to 50mm		24,00

GO OR NOGO THREAD RING - CERTIFICATE

Description	COD. 1	€
From 5 mm		120,00
From 6 to 50mm		80,00
From 50 to 100mm		95,00
From 100 to 200mm		105,00





Go/no go thread calipers metric fine pitch 6H

In hardened steel.

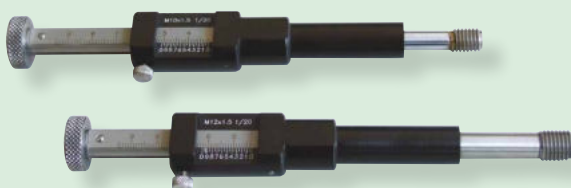
COD. 1	€	Ø and pitch mm	COD. 1	€	Ø and pitch mm
FA210405	48,00	4 x 0,5	FA21018075	68,00	18 x 0,75
FA210505	60,00	5 x 0,5	FA210181	49,00	18 x 1
FA210605	60,00	6 x 0,5	FA2101815	49,00	18 x 1,5
FA2106075	60,00	6 x 0,75	FA210182	49,00	18 x 2
FA2107075	49,00	7 x 0,75	FA21020075	68,00	20 x 0,75
FA210805	49,00	8 x 0,5	FA210201	49,00	20 x 1
FA2108075	49,00	8 x 0,75	FA2102015	49,00	20 x 1,5
FA21081	37,00	8 x 1	FA210202	49,00	20 x 2
FA21091	37,00	9 x 1	FA21022075	68,00	22 x 0,75
FA21010075	44,00	10 x 0,75	FA210221	49,00	22 x 1
FA210101	37,00	10 x 1	FA2102215	49,00	22 x 1,5
FA21010125	37,00	10 x 1,25	FA210241	49,00	24 x 1
FA210111	37,00	11 x 1	FA2102415	49,00	24 x 1,5
FA21012075	44,00	12 x 0,75	FA210242	51,00	24 x 2
FA210121	37,00	12 x 1	FA210251	50,00	25 x 1
FA21012125	37,00	12 x 1,25	FA2102515	51,00	25 x 1,5
FA2101215	37,00	12 x 1,5	FA210252	49,00	25 x 2
FA210131	43,00	13 x 1	FA2102615	51,00	26 x 1,5
FA2101315	41,00	13 x 1,5	FA210262	49,00	26 x 2
FA21014075	51,00	14 x 0,75	FA210271	52,00	27 x 1
FA210141	42,00	14 x 1	FA2102715	53,00	27 x 1,5
FA21014125	37,00	14 x 1,25	FA2102815	53,00	28 x 1,5
FA2101415	42,00	14 x 1,5	FA210282	49,00	28 x 2
FA210151	41,00	15 x 1	FA210301	70,00	30 x 1
FA2101515	51,00	15 x 1,5	FA2103015	62,00	30 x 1,5
FA21016075	51,00	16 x 0,75	FA210302	61,00	30 x 2
FA210161	45,00	16 x 1	FA210322	61,00	32 x 2
FA2101615	45,00	16 x 1,5	FA210331	78,00	33 x 1

GO/NOGO THREAD PLUG - CALIBRATION REPORT

Description	COD. 1	€
From 50 mm		21,00
From 50 to 100 mm		24,00
From 100 to 200 mm		27,00

Depth gauge for metric threads

Depth gauges for measuring depth of metric coarse thread. In hardened steel.



COD. 1	€	Ø and pitch mm	COD. 1	€	Ø and pitch mm
FA2103315	61,00	33 x 1,5	FA210483	125,00	48 x 3
FA210332	61,00	33 x 2	FA2105015	125,00	50 x 1,5
FA2103415	80,00	34 x 1,5	FA210502	137,00	50 x 2
FA210342	78,00	34 x 2	FA210503	105,00	50 x 3
FA210343	71,00	34 x 3	FA2105215	90,00	52 x 1,5
FA2103515	63,00	35 x 1,5	FA210522	105,00	52 x 2
FA210352	63,00	35 x 2	FA210523	117,00	52 x 3
FA2103615	79,00	36 x 1,5	FA210524	144,00	52 x 4
FA210362	62,00	36 x 2	FA2105515	90,00	55 x 1,5
FA210363	79,00	36 x 3	FA210552	105,00	55 x 2
FA2103815	61,00	38 x 1,5	FA210553	115,00	55 x 3
FA210382	62,00	38 x 2	FA210554	140,00	55 x 4
FA210383	78,00	38 x 3	FA2105615	90,00	56 x 1,5
FA2103915	78,00	39 x 1,5	FA210562	105,00	56 x 2
FA210392	78,00	39 x 2	FA210563	115,00	56 x 3
FA2104015	78,00	40 x 1,5	FA210564	140,00	56 x 4
FA210402	78,00	40 x 2	FA2105815	90,00	58 x 1,5
FA210403	83,00	40 x 3	FA210582	105,00	58 x 2
FA2104215	78,00	42 x 1,5	FA210583	115,00	58 x 3
FA210422	78,00	42 x 2	FA210584	140,00	58 x 4
FA210423	83,00	42 x 3	FA2106015	90,00	60 x 1,5
FA2104415	83,00	44 x 1,5	FA210602	105,00	60 x 2
FA210442	83,00	44 x 2	FA210603	123,00	60 x 3
FA2104515	78,00	45 x 1,5	FA210604	150,00	60 x 4
FA210452	78,00	45 x 2	FA210622	105,00	62 x 2
FA210453	83,00	45 x 3	FA210623	123,00	62 x 3
FA2104815	157,00	48 x 1,5	FA210624	150,00	62 x 4
FA210482	125,00	48 x 2			

GO/NOGO THREAD PLUG - CERTIFICATE

Description	COD. 1	€
From 50 mm		80,00
From 50 to 100 mm		90,00
From 100 to 200 mm		100,00





Go/no go Thread ring gauge metric fine pitch 6G

In hardened steel.

GO		NO GO		
COD. 1	€	COD. 1	€	Ø and pitch mm
FA215405	63,00	FA220405	63,00	4 x 0,5
FA215505	63,00	FA220505	63,00	5 x 0,5
FA215605	63,00	FA220605	63,00	6 x 0,5
FA2156075	63,00	FA2206075	63,00	6 x 0,75
FA2157075	63,00	FA2207075	63,00	7 x 0,75
FA215805	63,00	FA220805	63,00	8 x 0,5
FA2158075	59,00	FA2208075	59,00	8 x 0,75
FA21581	59,00	FA22081	59,00	8 x 1
FA21591	59,00	FA22091	59,00	9 x 1
FA2151005	61,00	FA2201005	61,00	10 x 0,5
FA21510075	71,00	FA22010075	71,00	10 x 0,75
FA215101	40,00	FA220101	40,00	10 x 1
FA21510125	40,00	FA22010125	40,00	10 x 1,25
FA215111	47,00	FA220111	47,00	11 x 1
FA21512075	51,00	FA22012075	51,00	12 x 0,75
FA215121	40,00	FA220121	40,00	12 x 1
FA21512125	40,00	FA22012125	40,00	12 x 1,25
FA2151215	40,00	FA2201215	40,00	12 x 1,5
FA215131	47,00	FA220131	47,00	13 x 1
FA2151315	47,00	FA2201315	47,00	13 x 1,5
FA21514075	88,00	FA22014075	88,00	14 x 0,75
FA215141	42,00	FA220141	42,00	14 x 1
FA21514125	42,00	FA22014125	42,00	14 x 1,25
FA2151415	42,00	FA2201415	42,00	14 x 1,5
FA215151	75,00	FA220151	75,00	15 x 1
FA2151515	75,00	FA2201515	75,00	15 x 1,5
FA21516075	89,00	FA22016075	89,00	16 x 0,75
FA215161	42,00	FA220161	42,00	16 x 1
FA2151615	42,00	FA2201615	42,00	16 x 1,5
FA21518075	89,00	FA22018075	89,00	18 x 0,75
FA215181	50,00	FA220181	50,00	18 x 1
FA2151815	50,00	FA2201815	50,00	18 x 1,5
FA215182	75,00	FA220182	75,00	18 x 2
FA21520075	99,00	FA22020075	99,00	20 x 0,75
FA215201	55,00	FA220201	55,00	20 x 1
FA2152015	55,00	FA2202015	55,00	20 x 1,5
FA215202	78,00	FA220202	78,00	20 x 2
FA21522075	99,00	FA22022075	99,00	22 x 0,75
FA215221	63,00	FA220221	63,00	22 x 1
FA2152215	63,00	FA2202215	63,00	22 x 1,5
FA215241	61,00	FA220241	61,00	24 x 1
FA2152415	63,00	FA2202415	63,00	24 x 1,5
FA215242	78,00	FA220242	78,00	24 x 2
FA215251	79,00	FA220251	79,00	25 x 1
FA2152515	79,00	FA2202515	79,00	25 x 1,5
FA215252	79,00	FA220252	79,00	25 x 2
FA2152615	56,00	FA2202615	56,00	26 x 1,5
FA215262	56,00	FA220262	56,00	26 x 2
FA215271	70,00	FA220271	70,00	27 x 1
FA2152715	69,00	FA2202715	69,00	27 x 1,5

GO		NO GO		
COD. 1	€	COD. 1	€	Ø and pitch mm
FA2152815	69,00	FA2202815	69,00	28 x 1,5
FA215282	76,00	FA220282	76,00	28 x 2
FA215301	108,00	FA220301	108,00	30 x 1
FA2153015	91,00	FA2203015	91,00	30 x 1,5
FA215302	91,00	FA220302	91,00	30 x 2
FA215321	104,00	FA220321	104,00	32 x 1
FA2153215	94,00	FA2203215	94,00	32 x 1,5
FA215322	94,00	FA220322	94,00	32 x 2
FA215331	104,00	FA220331	104,00	33 x 1
FA2153315	94,00	FA2203315	94,00	33 x 1,5
FA215332	94,00	FA220332	94,00	33 x 2
FA2153415	104,00	FA2203415	94,00	34 x 1,5
FA215342	104,00	FA220342	104,00	34 x 2
FA215343	119,00	FA220343	119,00	34 x 3
FA2153515	94,00	FA2203515	94,00	35 x 1,5
FA215352	94,00	FA220352	94,00	35 x 2
FA2153615	94,00	FA2203615	94,00	36 x 1,5
FA215362	94,00	FA220362	94,00	36 x 2
FA215363	104,00	FA220363	104,00	36 x 3
FA2153815	104,00	FA2203815	104,00	38 x 1,5
FA215382	104,00	FA220382	104,00	38 x 2
FA215383	124,00	FA220383	124,00	38 x 3
FA2153915	124,00	FA2203915	124,00	39 x 1,5
FA215392	104,00	FA220392	104,00	39 x 2
FA2154015	104,00	FA2204015	104,00	40 x 1,5
FA215402	104,00	FA220402	104,00	40 x 2
FA215403	119,00	FA220403	119,00	40 x 3
FA2154215	124,00	FA2204215	124,00	42 x 1,5
FA215422	124,00	FA220422	124,00	42 x 2
FA215423	124,00	FA220423	124,00	42 x 3
FA2154415	139,00	FA2204415	139,00	44 x 1,5
FA215442	139,00	FA220442	139,00	44 x 2
FA2154515	124,00	FA2204515	124,00	45 x 1,5
FA215452	124,00	FA220452	124,00	45 x 2
FA215453	124,00	FA220453	124,00	45 x 3
FA2154815	124,00	FA2204815	124,00	48 x 1,5
FA215482	109,00	FA220482	109,00	48 x 2
FA215483	124,00	FA220483	124,00	48 x 3
FA2155015	109,00	FA2205015	109,00	50 x 1,5
FA215502	109,00	FA220502	109,00	50 x 2
FA215503	124,00	FA220503	124,00	50 x 3

GO OR NOGO THREAD RINGS - CALIBRATION REPORT

Description	COD. 1	€
From 5 mm		36,00
From 6 to 50mm		24,00

GO OR NOGO THREAD RINGS - CERTIFICATE

Description	COD. 1	€
From 5 mm		120,00
From 6 to 50mm		80,00
From 50 to 100mm		95,00
From 100 to 200mm		105,00





Thread plug gauge GAS ISO 228

Cylindrical thread.

COD. 1	€	Ø and pitch mm
FA27018	72,00	1/8" x 28
FA27014	72,00	1/4" x 19
FA27038	72,00	3/8" x 19
FA27012	77,00	1/2" x 14
FA27058	77,00	5/8" x 14
FA27034	86,00	3/4" x 14
FA27078	92,00	7/8" x 14
FA2701	112,00	1" x 11
FA270118	143,00	1" 1/8 x 11
FA270114	158,00	1" 1/4 x 11
FA270138	173,00	1" 3/8 x 11
FA270112	183,00	1" 1/2 x 11
FA270134	183,00	1" 3/4 x 11
FA2702	194,00	2" x 11

GO/NOGO THREAD PLUG - CALIBRATION REPORT

Description	COD. 1	€
From 50 mm		21,00
From 50 to 100 mm		24,00
From 100 to 200 mm		27,00

GO/NOGO THREAD PLUG - CERTIFICATE

Description	COD. 1	€
From 50 mm		80,00
From 50 to 100 mm		90,00
From 100 to 200 mm		100,00

Go/no go Thread ring gauge GAS ISO 228

GO

NO GO

COD. 1	€	COD. 1	€	Ø and pitch mm
FA27518	82,00	FA28018	82,00	1/8" x 28
FA27514	78,00	FA28014	78,00	1/4" x 19
FA27538	84,00	FA28038	84,00	3/8" x 19
FA27512	94,00	FA28012	94,00	1/2" x 14
FA27558	92,00	FA28058	92,00	5/8" x 14
FA27534	96,00	FA28034	96,00	3/4" x 14
FA27578	96,00	FA28078	96,00	7/8" x 14
FA2751	132,00	FA2801	132,00	1" x 11
FA275118	132,00	FA280118	132,00	1" 1/8 x 11
FA275114	143,00	FA280114	143,00	1" 1/4 x 11
FA275138	143,00	FA280138	143,00	1" 3/8 x 11
FA275112	143,00	FA280112	143,00	1" 1/2 x 11
FA275134	143,00	FA280134	143,00	1" 3/4 x 11
FA2752	176,00	FA2802	176,00	2" x 11

GO OR NOGO THREAD RINGS - CALIBRATION REPORT

Description	COD. 1	€
From 5 mm		36,00
From 6 to 50mm		24,00

GO OR NOGO THREAD RINGS - CERTIFICATE

Description	COD. 1	€
From 5 mm		120,00
From 6 to 50mm		80,00
From 50 to 100mm		95,00
From 100 to 200mm		105,00



Thread plug gauge NPT

Conical thread.

COD. 1	€	Ø and pitch mm
FA28518	110,00	1/8" x 27
FA28514	110,00	1/4" x 18
FA28538	115,00	3/8" x 18
FA28512	120,00	1/2" x 14
FA28534	125,00	3/4" x 14
FA2851	145,00	1" x 11,5

THREAD CALIPER NPT - CALIBRATION REPORT

Descrizione	COD. 1	€
From G 1/16" a G 1" NPT; NPTF; NGT		33,00
From G 1" 1/8 a G 2" NPT; NPTF; NGT		54,00

Thread ring gauge NPT

COD. 1	€	Ø and pitch mm
FA28618A	225,00	1/8" x 27
FA28614A	210,00	1/4" x 18
FA28638A	210,00	3/8" x 18
FA28612A	210,00	1/2" x 14
FA28634A	215,00	3/4" x 14
FA2861A	230,00	1" x 11,5



Analogue electronic linear precision level

150mm linear level, fine grinded contact surfaces. Hardened stainless steel frame. High accuracy and easy reading, short rest time. Battery or power supply 220V. Three resolution selection: 0,1mm/n - 0,05mm/n - 0,01mm/n.

COD. 1	€	Range mm/m	Accuracy 17-23°C	Repeatability mm/m
EB085A	4.420,00	± 0,2 - ±1 - ±2	± 0,5 %	± 0,005



Square digital electronic level

Compact frame (150 x 150mm) and light weight (2.8 kg) aluminium body, cast iron base. Very easy to use (only two buttons), large dimensions LCD display, simple calibration. Useful for accurate, fast and low cost inspections: high precision leveling of machine tools and surface plates straightness, flatness and vertical measurement.

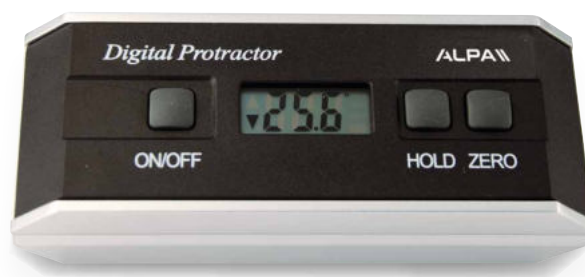
COD. 1	€	Accuracy 17±23°C	Resolution mm/m	Range mm/m
EA03001	2.600,00	± 0,02mm/m	0,01	± 5



Square mini-level with magnetic base

Measuring range +- 180

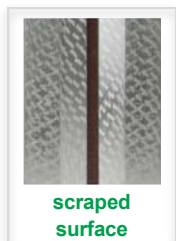
COD. 1	€	Dimensions mm	Resolution	Precision
EA070180	60,00	50 x 50 x 32	0,1°	± 0,20



Digital protractor

0,1° resolution 360° (4 x 90°) protractor level and inclinometer, ON/OFF button. Zero setting at any position, last displayed value hold feature (HOLD mode). 3V battery supply (included).

COD. 1	€	Dimensions mm	Resolution	Precision
EA02101	85,00	150 x 30 x 50	0,1°	0,1°



Square precision spirit level

With four 90° surfaces, 2 flat and 2 V-shaped for checking flat and cylindrical, horizontal and vertical surfaces. Insulation board handle with vial protection. Supplied in hard box.

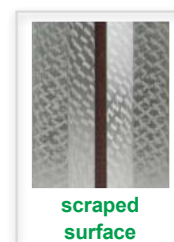
COD. 1	€	Length mm	Sensibility mm/m	Surfaces
EB040150	368,00	150	0,02	Scratched
EB040200	478,00	200		
EB045150	201,00	150		Grinded
EB045200	231,00	200		

Square precision spirit level

Manufactured in nichel-chrome cast iron frame. Fine grinded surface, 2 plane and 2 prismatic faces. Serial number, manufactured according to DIN877. Thermal-insulated grip. The vial is visible both from above and laterally.

COD. 1	€	Resolution mm	Sensibility mm/m
EB030150	590,00	150	0,02
EB030200	640,00	200	

Made in Italy



Linear precision spirit level

Manufactured in nichel-chrome cast iron frame. Fine grinded surface. Flat base with V-groove. Serial number, manufactured according to DIN 877. Thermal-insulated grip. The vial is visible both from above and laterally.

COD. 1	€	Length mm	Sensibility mm/m
EB035150	390,00	150	0,02
EB035200	410,00	200	
EB035300	480,00	300	

Linear precision spirit level

Base V-groove suitable for flat surfaces or cylinders. Delivered in rigid case.

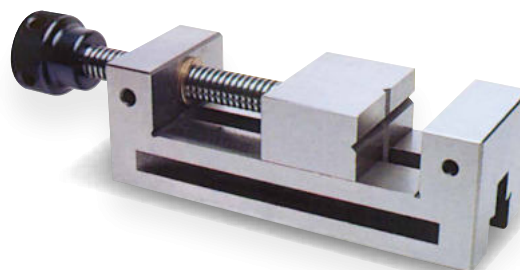
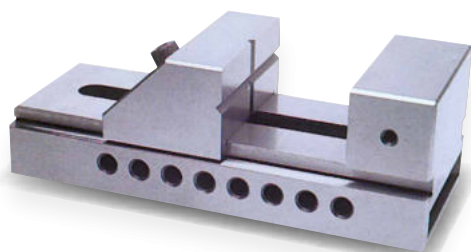
COD. 1	€	Length mm	Sensibility mm/m	Surfaces
EB051150	218,00	150	0,02	Scratched
EB051200	236,00	200		
EB051250	327,00	250		
EB060150	114,00	150	0,05	Grinded
EB060200	150,00	200		
EB060300	156,00	300		



Gauge to zero-set tools

Fast and accurate gauge to zero-set tools on traditional and CNC machines. Put the tool on machine plane, approach with the tool and push the plate until dial gauge goes to the preset value. Hardened aluminium construction, with hardened stainless steel plate, reading 0,01mm, magnetic base for horizontal use. $\pm 0,005\text{mm}$ tolerance on zero-set height.

COD. 1	€	Reading mm	Excursion mm	Zero-set mm
HA20050	160,00	0,01	5	50
HA200100	183,00			100



Precision measuring milling vice

Hardened precision vices for accurate measurements and machine operations. Horizontally and vertically ground prism on the movable side.

COD. 1	€	Total length mm	Opening jaws mm	Jaws width mm	Jaws height mm
EB10565	75,00	65	25	25	10
EB105100	84,00	100	40	36	20
EB105140	94,00	140	65	50	25
EB105175	103,00	175	85	63	32
EB105245	238,00	245	125	100	45
EB105285	312,00	285	160	125	50
EB105330	483,00	330	200	150	50

Precision measuring milling vice

Hardened precision vices for accurate measurements and machine operations. Horizontally and vertically ground prism on the movable side.

COD. 1	€	Total length mm	Opening jaws mm	Jaws width mm	Jaws height mm
EB110155	124,00	155	65	50	25
EB110190	136,00	190	85	63	32
EB110210	192,00	210	100	73	35
EB110250A	220,00	250	125	88	40
EB110250B	300,00	250	125	100	45



Universal bevel protractor

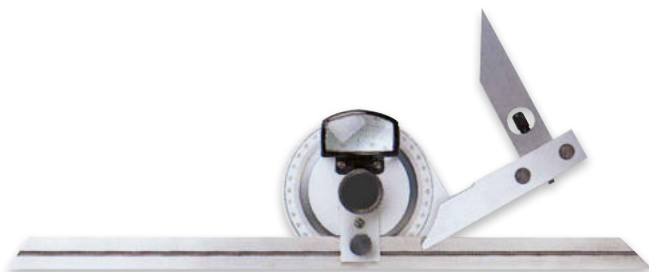
High precision, easy to use and reliable measuring tool. It can be considered the most accurate bevel protractor on the market. Graduation 1° on Vernier on the tool center, with lens and 1' (1/60°) on micrometer vernier. Registered system for automatic lock-unlock of the dial rotation and the moving blade. Totally made of hardened stainless steel, supplied with 90° stainless steel acute angle, 150 mm blade and 300 mm blade. Graduation 4 x 90°, accuracy ± 1'.

COD. 1	€	Range mm	Resolution
EB020360	681,00	0 ÷ 360°	1'

Digital bevel protractor

Easy to use measuring tool with the highest accuracy on this type of tools. Stainless steel made frame and beam. HOLD function. Functions: A measure 0-360° left-handed counting, B measure 0-360° right handed counting, C Preset measure, D zero for comparative measurements. Fine adjustment. Digimatic data output for MSP2 or PC connection.

COD. 1	€	Range mm	Resolution
EA010360	1.257,00	0 ÷ 360°	1' - 1/100°
EA010360300	1.295,00	0 ÷ 360°	1' - 1/100°



Bevel protractor with magnifier

High accuracy cheap bevel protractor. Hardened stainless steel made. Parallax-free reading surface.

COD. 1	€	Range mm	Resolution
EB022300	72,00	200 - 300	5'

Digital stainless steel bevel protractor

Digital bevel protractor made of stainless steel, with blades 150 or 300 mm. Hardened blades, accuracy ± 2'.

COD. 1	€	Range mm	Resolution
EA012300	372,00	150 - 300	1' - 1/100°

TOP
quality

TOP
quality



QUICK GUIDE



CALIBRATION
REPORT

on master
on measuring rule
on orthogonality



MEGAtower

IP67 Height Gauge

Totally manufactured in Switzerland, it guarantees durability, accuracy and reliability. The display unit provides functions that are directly accessible and defined with symbols easy to understand. This allows easy and quick handling even by unqualified operators. It is equipped with an air cushion for easy displacement on the measuring table.

COD. 3	€	Max error µm	Range mm	Perpendicularity error µm
GA050400	5.100,00	5	400	10
GA050700	5.550,00		700	15
ASSEMBLY, FITTING AND TRAINING NOT INCLUDED				

INSERTS

COD. 1	€	Ø holder mm	Ball	Ball Ø mm	Length mm
GA052R490	205,00	8	Ruby	4	90
GA052R5129	280,00			5	129
GA052W2130	615,00				130
GA052W280	382,00		Carbide	2	80
GA052W175	360,00			1	75

MEGAtower

Workshop height gauge

Resolution 0.001mm; Measuring Force 0.75÷1.5 N. Swiss made, robust, accurate and reliable. Easy to use High contrast display with RS232 and USB interface. Supplied with Ø 4mm ruby probe, calibration master and cover.

COD. 3	€	Max error µm	Range mm	Repeatability µm
GA040400	3.750,00	8	400	3 (Ø5)
ASSEMBLY, FITTING AND TRAINING NOT INCLUDED				

INSERTS

COD. 1	€	Ø holder mm	Ball	Ball Ø mm	Length mm
GA052R490	205,00	8	Ruby	4	90
GA052R5129	280,00			5	129
GA052W2130	615,00				130
GA052W280	382,00		Carbide	2	80
GA052W175	360,00			1	75

Made in Italy



Made in Italy



Double column digital height gauge

Hardened stainless steel double column with regulation. Cast iron ergonomic base, electronics with preset and hold functions, data output.

COD. 1	€	Range mm	Resolution mm
GA090300	1.049,00	0 ÷ 300	0,01
GA090600	1.431,00	0 ÷ 600	

IP54 Double column digital height gauge

Resolution 0.01mm. Ground cast iron base on the four support points. Polished chrome finish steel column. LCD display. Squared stainless steel marker, which can be adjusted using the housed key. With fast moving button. Made using Sylvac electronics with preset.

COD. 1	€	Range mm	Base mm	Accuracy mm
GA075300	1.113,00	0 ÷ 300	204x117	0,03
GA075600	1.269,00	0 ÷ 600		
GA0751000	1.557,00	0 ÷ 1000		0,04
GA075COMP	267,00	Dial stand holder Ø 8		



Digital height gauge multifunction

Resolution 0,01mm. LCD display with big numbers. Hardened stainless steel.

COD. 1	€	Range mm	Resolution mm
GA080300	240,00	0 ÷ 300	0,01
GA080500	379,00	0 ÷ 500	
GA0801000	974,00	0 ÷ 1000	
GA0801500	1.424,00	0 ÷ 1500	
GA080COMP	44,00	Dial stand holder	
GA080TAST	45,00	Dial Holder	



Double column dial height gauge

Resolution 0.01mm. Hardened stainless steel.

COD. 1	€	Range mm	Resolution mm
GB010300	245,00	0 ÷ 300	0,01
GB010600	446,00	0 ÷ 600	



Digital height gauge

LCD display. Hardened stainless steel. With handle and rack.

COD. 1	€	Range mm	Resolution mm
GA095300	376,00	0 ÷ 300	0,01
GA095600	666,00	0 ÷ 600	



HA155
Detergent for lapped
surfaces



HA160
Granite polishing
oil

**STAND INCLUDED
WITH NON-SLIP FEET**

Granite inspection plate

Inspection plate, non magnetic, non conductor of electricity and made of inoxidable material. African black grade "0". Diabase absolute black also available. Steel structure with painted rectangular section, suitable for both cast iron and granite plates, adjustment levelling and anti-fitting tips. Suitable for 630x400x80 mm e 800x500x100 mm surfaces.

Ask price for purchase of table or plate.

COD. 1	€	Plate dimensions mm	Accuracy mm
HA122630T	540,00	630 x 400	± 0,004
HA122800T	690,00	800 x 500	± 0,004
HA1221000T	1.040,00	1000 x 630	± 0,004
HA1221200T	1.500,00	1200 x 800	± 0,005
HA1221600T	2.350,00	1600 x 1000	± 0,006
HA1222000T	3.400,00	2000 x 1000	± 0,006

Made in Italy



GRADO 00

Made in Italy



GRADO 00

Black control square granite

Used for checking perpendicularity. Made according to extremely small tolerances. Hight stability. The larger squares are bored to decrease weight. Lapped surfaces. Top quality finishing. Flatness and ortogonality accuracy on two 90° faces. Supplied in wooden boxes.

Made in Italy.

COD. 1	€	Dimensions mm	Accuracy mm	Kg
HA140400	774,00	400 x 250 x 60	± 0,0018	12
HA140500	1.098,00	500 x 315 x 70	± 0,002	20
HA140630	1.892,00	630 x 400 x 80	± 0,0023	36
HA1401000	3.409,00	1000 x 630 x 140	± 0,0026	170

Double T black granite parallel level

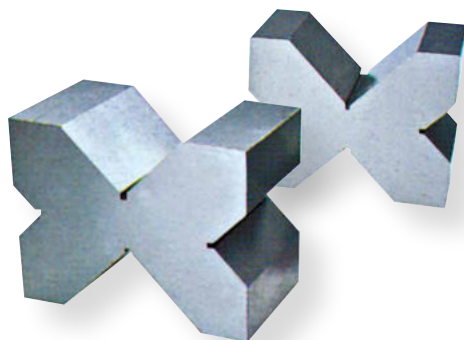
Two parallel, plane, lapped faces with double T-shaped section for stability and lightness. The parallelism tolerance is equal to the planarity tolerance. Supplied in wooden boxes.

Made in Italy.

COD. 1	€	Dimensions mm	Accuracy mm	Kg
HA135500	625,00	500 x 50 x 80	± 0,0015	4
HA135750	760,00	750 x 50 x 80	± 0,002	7
HA1351000	1.187,00	1000 x 60 x 140		19
HA1351500	2.085,00	1500 x 80 x 180	± 0,0026	57
HA1352000	3.546,00	2000 x 100 x 220	± 0,003	104

Parallelism and flatness accuracy on the two faces

Made in Italy



4 V Parallel block

Machined and provided in couple, 90° v-groove, contact surfaces, G26 grey pearlitic steel structured, accuracy 0,01mm, 0,10mm on request.

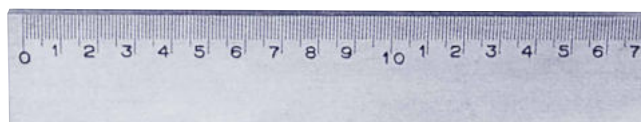
COD. 1	€	Dimensions mm	Accuracy mm
HA03560	91,00	60 x 60 x 50	± 0,01
HA03575	96,00	75 x 75 x 60	
HA03590	100,00	95 x 70 x 35	
HA035100	136,00	100 x 80 x 60	
HA035120	149,00	120 x 90 x 60	
HA035130	171,00	130 x 100 x 60	
HA035150A	200,00	150 x 100 x 60	



Magnetic "V" prism

Fit for a quick positioning during machining and testing operations. Sold individually.

COD. 1	€	Dimensions mm	V Surface kgf	Flat surface kgf
HA04280	182,00	80 x 56 x 72	55	70
HA042115	306,00	115 x 75 x 100	90	110



Stainless steel rule

Made to follow very small tolerances. Grinded on all faces. Double T shaped grip and section for stability and lightness. Serially numbered. Manufactured according to DIN 874/1.

COD. 1	€	Dimensions mm	Section mm	Kg
HA115500	270,00	500	50 x 12	2
HA1151000	495,00	1000	70 x 15	4,70
HA1151500	750,00	1500	90 x 20	14
HA1152000	1.130,00	2000		19
HA1153000	3.003,00	3000		31,50

Stainless steel rule with millimeter graduation without bevel

According to DIN 866/A.

COD. 1	€	Dimensions mm	Kg
HA105500	67,00	500 x 43 x 5	0,90
HA105750	83,00	750 x 43 x 5	1,30
HA1051000	106,00	1000 x 43 x 5	1,80
HA1051500	194,00	1500 x 43 x 5	2,60
HA1052000	260,00	2000 x 43 x 5	3,50

Made in Italy



Hardened flat square stainless steel

Entirely grinded faces. High accuracy, manufactured and tested according to very strict procedures, according to DIN 875/0. Serially numbered. **Made in Italy.**

COD. 1	€	Section mm	Dimensions mm
HA085100	90,00	20 x 8	100 x 70
HA085150	112,00	25 x 8	150 x 100
HA085200	200,00	30 x 8	200 x 130
HA085300	293,00	40 x 9	300 x 200

For different measures refer to the catalogue

Made in Italy



Square with back in hardened stainless steel

Entirely grinded faces. High accuracy, manufactured and tested according to very strict procedures, according to DIN 875/0. Serially numbered. **Made in Italy.**

COD. 1	€	Section mm	Dimensions mm
HA075100	140,00	20 x 8	100 x 70
HA075150	174,00	25 x 8	150 x 100
HA075200	210,00	30 x 8	200 x 130
HA075300	336,00	40 x 9	300 x 200

For different measures refer to the catalogue

Made in Italy



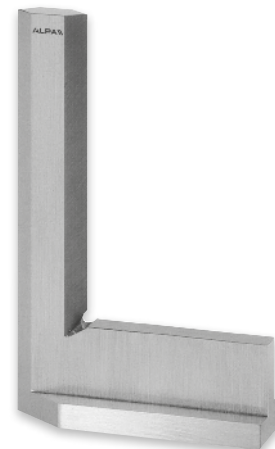
Flat knife edge square in hardened stainless steel

The two chamfered and lapped sides allow a more accurate visual check. Entirely grinded. High accuracy, manufactured and tested according to very strict procedures, according to DIN875/00. Serially numbered. **Made in Italy.**

COD. 1	€	Section mm	Dimensions mm
HA090100	97,00	20 x 8	100 x 70
HA090150	133,00	25 x 8	150 x 100
HA090200	188,00	30 x 8	200 x 130
HA090300	353,00	40 x 9	300 x 200

For different measures refer to the catalogue

Made in Italy



Knife edge square with back in hardened stainless steel

The two chamfered and lapped sides allow a more accurate visual check. Entirely grinded. High accuracy, manufactured and tested according to very strict procedures, according to DIN 875/00. Serially numbered. **Made in Italy.**

COD. 1	€	Section mm	Dimensions mm
HA092100	179,00	20 x 8	100 x 70
HA092150	200,00	25 x 8	150 x 100
HA092200	391,00	30 x 8	200 x 130
HA092300	461,00	40 x 9	300 x 200

For different measures refer to the catalogue

NEW SHOWROOM

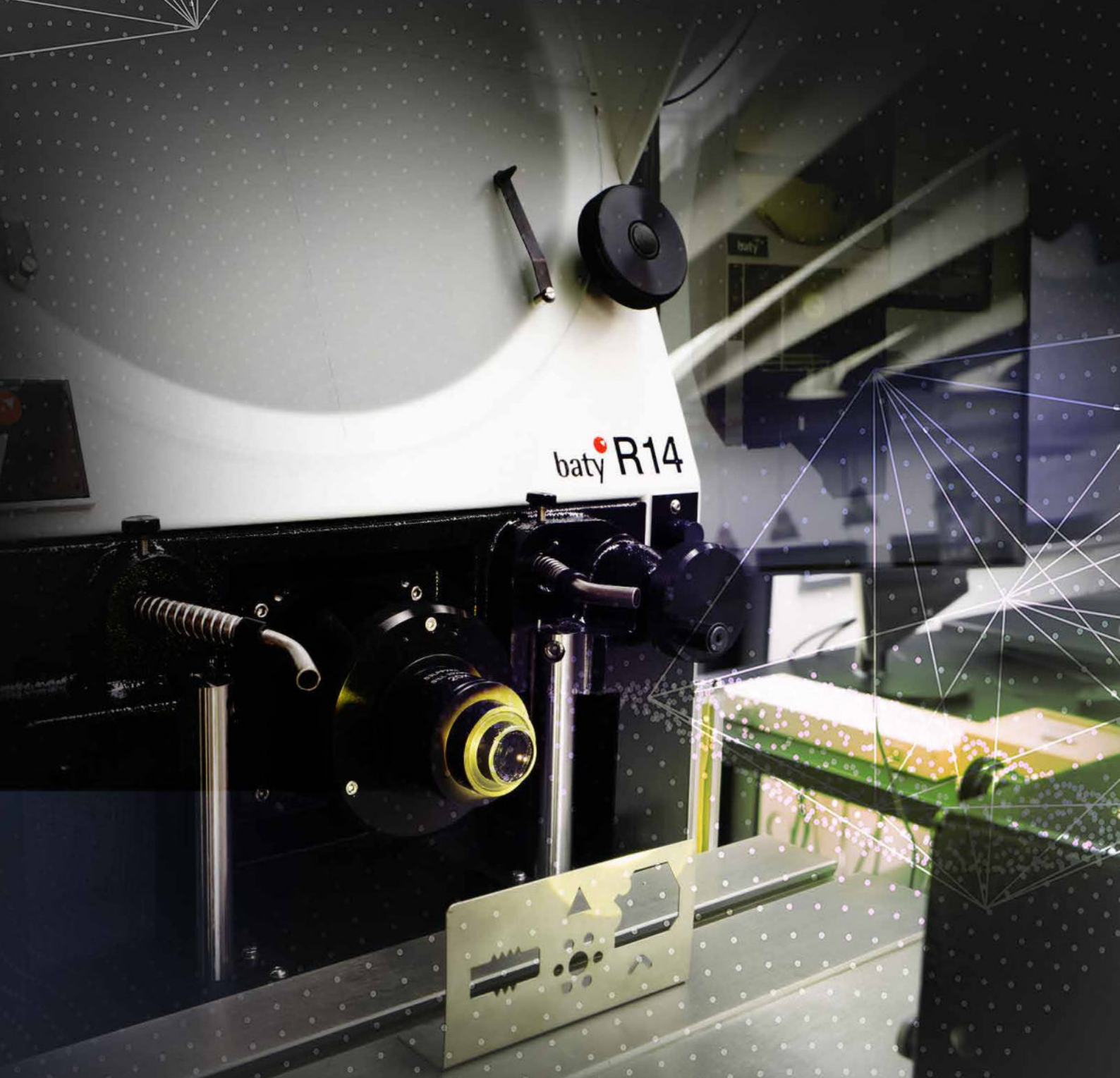


2HOMBOON

come visit us!



MEASURING MACHINES AND HIGH TECNOLOGY INSTRUMENTS





QUICK GUIDE



CD024ME
Stand



LA255PRINT
Bluetooth Printer

LITEsurf

Optic Roughness Tester portable

Pocket sized roughness tester with optic transmission with 90° rotating for shoulder measurements, interchangeable probe and Gaussian filter. 8 parameters according to ISO 4287 (Ra; Rq; Rt; Rz; Rc; Rmax; Rsm; Rpc), 5 parameters according to ISO 12085 (Pt, R, AR, Rx, PPc).

The extremely compact dimension (the smallest in the marketplace) and the quick battery charging, via USB, make this instrument a turning point for FMI.

Optionally, downloading the application on tablet for mobile phone, customer can transfer data Bluetooth.

ACCESSORIES INCLUDED:

- Power supply
- Software
- USB type C
- Calibration specimen
- Practical carry case

STAND

COD. 1	€	Description
CD024ME	290,00	Stand for roughness tester

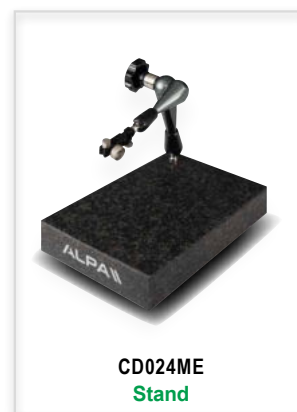
COD. 3	€	Description
LA251LITE	2.190,00	160 x 33,5 x 34
ASSEMBLY, FITTING AND TRAINING NOT INCLUDED		

+ tastator

ACCESSORIES

COD. 3	€	Description
LA252PR50	294,00	Extension 50mm
LA252PR100	296,00	Extension 100mm
LA252090	793,00	Standard surface probe 90° SB51
LA252SB2	751,00	Professional Software

FEATURES	
Range	± 200µm
Resolution	0,001µm
Cut-off lenght	0,25 - 0,8 - 2,5mm
Travel lenght	up to 16mm
Probe	Optical, it can be rotated of 90° for lateral measurement



CD024ME
Stand

FACetest25

Portable roughness tester

LA250DIS represents the direct evolution of LA249FIX being enhanced by advanced analysis typical of instruments found only in metrological laboratories. It displays graphs of roughness and primary profile, curves of portance, ordinate distribution and allows you to set tolerances on individual parameters and personalize reports. 90° inductive rotating probe and 2" TFT graphic display.

Software and cable included.

STAND

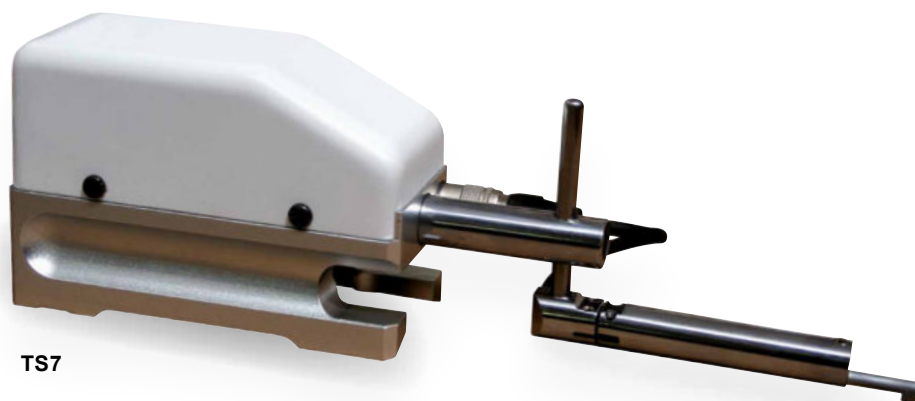
COD. 1	€	Description
CD024ME	290,00	Stand for roughness tester

COD. 3	a partire da €	Description
LA250DIS	1.990,00	Roughness taster with plug-in connector and graphic colour display
ASSEMBLY, FITTING AND TRAINING NOT INCLUDED		

ACCESSORIES

COD. 3	a partire da €	Description
LA250SB	585,00	Graphic software + USB cable for LA250FIX and LA250CHA
LA250SB1	720,00	Graphic software + USB cable for LA250DIS
LA300100	296,00	Extension for LA249 and LA250

COD. 3	€	Description
CERT0006	310,00	Certificated specimen



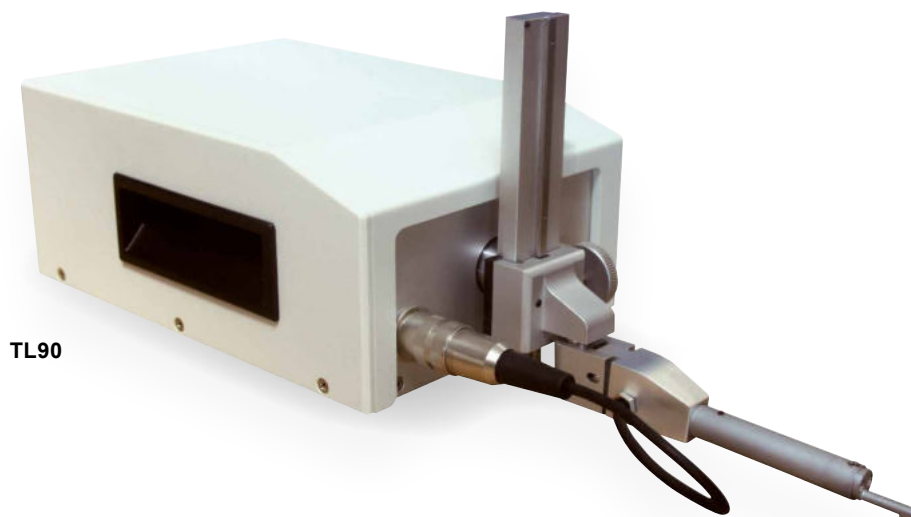
TS7



LA255ST1
Manual Stand



Electronic unit
with integrated printer



TL90



High performance roughness tester

The roughness tester ALPA FT 80 thanks to its maneuverability and ease of use allows you to perform the characterization of surfaces even more complex in an easy and intuitive way. Touch screen color display 5.7" matched to the interface Icons allows the operator to set in a rapid way. The measuring parameters, position itself on the piece and run the analysis. Results and their tolerances are ready to be printed. The graphs and the parameters are interactive to permit all operators to customize the presentation of the results in an easy and fast way. ALPA FT 80 are suitable in production environments and metrology labs.

SHIFTER TL90

Laboratory amplifiers with clutch for shifting micrometer roughness measurements run 50mm. It is possible to do measurements of precision with minimum run of 0,32mm (4 x 0,08 + 0,20mm) of course run.

SHIFTER TS7

Shifter miniaturized portable with interchangeable probes. Measurement on flat and curved surfaces with axial shifting or perpendicular, prismatic support, maximum run 25mm.

54 roughness parameter

Ra, Rq, Rt, Rz, Rp, Rc, Rv, Rsk, Rku, Rsm, Rdc, RPc, Pa, Pq, Pt, Pp, Pc, Pv, Psm, Pdc, PPc, Wa, Wq, Wt, Wz, Wp, Wv, Wc, WSm, Wdc, WPc, Rk, Rpk, Pvk, Mr1, Mr2, Pt, Pdc, PPc, R, Rx, AR, Wte, W, AW, Wx, Rke, Rpk, Rvke, Mr1e, Mr2e Rmax, R3z, R3zm

COD. 3	€	Description
LA255TS7	4.308,00	Roughness tester with TS7 compact traverse unit
LA255TL90	6.466,00	Roughness tester with TL90 professional traverse unit
ASSEMBLY, FITTING AND TRAINING NOT INCLUDED		

See Alpa catalogue for accessories

ACCESSORIES

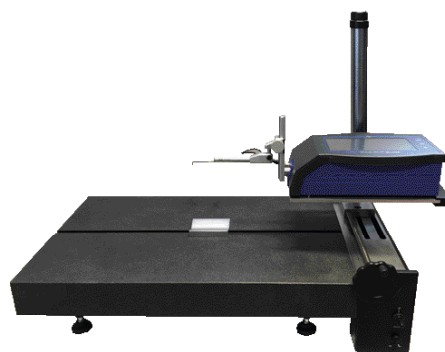
COD. 3	from €	Description
LA250SB1	720,00	Software for LA255TS7 and LA255TL90
LA255ST1	621,00	Stand 600x400mm for LA255TL90 and LA253RP
LA255ST2	2.109,00	Motorized stand
LA300100	296,00	Extension for LA255TL90 100mm



QUICK GUIDE



LA255PRINT
Bluetooth printer



LA255ST2
Motorized stand



Portable roughness/surface profiler tester

This new roughness/surface profiler tester has a revolutionary approach to roughness measure. Wide 7 inches touch 16 million colors screen display. 75 roughness parameters following the principle international regulations. Integrated CAD system for profile analysis. Measuring range 3000µm roughness and profilometry probe. Resolution 0,1nm (0,0001µm) on 3000µm. Automatic saving of last 6 measure, manual saving up to 1000 profilometry measurements and 4000 roughness (graphics+parameters).

ROUGHNESS TESTER INCLUDE

- Roughness specimen 2.97 µm
- Roughness probe
- Profiler probe

See Alpa catalogue for accessories

81 roughness parameter

Ra, Rq, Rt, Rz, Rp, Rv, Rc, Rsk, Rku, RSm, RΔq, RΔa, Rmax, Rδc, Rmr, Rmr(c), R_{Pc}, RLo, Rlr, Rzjls, RHSC, R3z, hp, Ep, Pa, Pq, Pt, Pq, Pv, Pc, Psk, Pku, PSm, PΔq, Pδc, PPc, PLo, Plr, PHSC, Wa, Wq, Wt, Wz, Wp, Wv, Wc, Wsk, Wku, WSm, WΔq, Wδc, W_{Pc}, WLo, Wlr, WHSC, Rk, Rpk, Rvk, Mr1, Mr2, A1, A2, Rpk*, Rvk*, WDSm, WDC, WDt, R, AR, Rx, W, Aw, Wx, Wte, Rke, Rpk, Rvk, Mr1e, Mr2e, A1e, A2e

COD. 3	From €	Description
LA253RP	12.950,00	Portable roughness/surface profiler tester
LA253KIPT	876,00	3mm Profile Master Sample
LA255ST2	2.109,00	Motorized stand
LA255ST1	621,00	Manual stand
LA255PRINT	725,00	Bluetooth printer
ASSEMBLY, FITTING AND TRAINING NOT INCLUDED		

FEATURES	
Range	±1500µm
Resolution	0,0001µm - (0,1nm)
Cut-off lenght	0,08 - 0,25 - 0,8 - 2,5 - 8mm
Cut-off number	Selectable from 1 to 20 (for cut-off 8mm from 1 to 6)
Travel lenght	Up to 60mm
Probe	Inductive, 90° adjustable for side measurements, interchangeable
Measurements Parameters	81 roughness parameter
Graphic Visualization	Roughness, waviness, Primary Waveness, Total, relative material ratio, probability density function
Measure Unit	mm / inches



Profil

Surface profiler

The profilometer ALPHA PROFIL H200 is a new concept instrument which in a few simple operations it can characterize particular profiles of the most complex thanks to modern philosophy "all in one" with just a few operations it is immediately operative and calibrated to begin to follow measurements. Thanks to the software Profile Studio installed, ALPHA PROFIL H200 is extremely easy to use for the operator.

The functions necessary for the characterization of the profile is grouped in families (point, line, arches, quote) each one has a different color for easy identification. The CAD is highly advanced: All entities are dynamic and adjustable after insertion. For more particular complexed, ALPHA PROFIL H200 allows the execution of measurements and therefore the obstacles are automatically overcome (Gorges shoulders) and the profile is reconstructed at the end of the measurement. Thanks to the motorized calibration column. The circle measurement is automatically carried out guaranteeing saved time and high flexibility.

SUPPLIED WITH: H31mm standard probe, PC COMPLETE WITH MONITOR, MOUSE, KEYBOARD AND PROFILE STUDIO ANALYSIS SOFTWARE.

COD. 3	from €	Description
LA440MAN	on request	Profilometer with manual column
LA446M	295,00	Vice with jaw
LA442T3	2.480,00	3 axis positioner
LA444T4	2.990,00	4 axis positioner
LA450TAR	1.410,00	Reference specimen 45 x 45 r3 mm with RDT
ASSEMBLY, FITTING AND TRAINING NOT INCLUDED		

FEATURES	
Range	X 220mm - Z 50mm
Column length	320mm
Resolution	X 0,5 - Z 0,1µm
Measuring speed	0,2 - 0,5 - 1 - 2mm/Sec
Dimensions (L x D x H)	1080 x 590 x 830mm



Profil

Profilometer

New easy to use profilometer with a wide measuring range. Manual column adjustment, automatic CNC measuring and positioning cycles. The pre-loaded Profile Studio software makes the ALPA PROFIL H100 extremely easy to use for the operator.

SUPPLIED WITH: H31mm standard probe, PC COMPLETE WITH MONITOR, MOUSE, KEYBOARD AND PROFILE STUDIO ANALYSIS SOFTWARE.

COD. 3	from €	Description
LA430MAN	17.900,00	Profilometer with manual column
ASSEMBLY, FITTING AND TRAINING NOT INCLUDED		

FEATURES	
Range	X 130mm - Z 50mm
Column length	320mm
Resolution	X 0,5 - Z 0,2µm
Measuring speed	0,2 - 0,5 - 1 - 2 mm/Sec
Dimensions (L x D x H)	1030 x 410 x 660mm



H-Master

Manual analogic Rockwell hardness tester

Hardness tester for Rockwell scale measurement on ferrous materials. Cast iron support structure, testing max height 170mm, depth capacity 165mm Hydraulic load application system with weight method, UNI-DIN-ASTM standard compliant 60/100/150kgf loads for Rockwell A, B, and C scales Full automatic load application. N.1 Ø 150mm flat surface for workpiece positioning, N.1 Ø 55mm flat surface and N.1 flat surface with V-shaped adapter to measure cylindrical objects.

EQUIPMENT

- n°1 Cone diamond indenter
- n°1 Ball Indenter Ø 1/16" for Rockwell B scale
- n°1 Specimen HRC 20-33
- n°1 Specimen HRC 57-70
- n°1 Specimen HRB 85-100

COD. 3	€	Description	Weight Kg
LB101AR	2.900,00	Analogue Rockwell hardness tester with automatic loading	90

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED



H-Master

Digital automatic Rockwell hardness tester

Hardness tester for Rockwell scale measurement on ferrous materials. Cast iron support structure, testing max height 170mm, depth capacity 165mm Hydraulic load application system with weight method, UNI-DIN-ASTM standard compliant 60/100/150kgf loads for Rockwell A, B, and C scales Full automatic load application. Reading on digital display. N.1 Ø 150mm flat surface for workpiece positioning, N.1 Ø 55mm flat surface and N.1 flat surface with V-shaped adapter to measure cylindrical objects.

EQUIPMENT

- n°1 Cone diamond indenter
- n°1 Ball Indenter Ø 1/16" for Rockwell B scale
- n°1 Specimen HRC 20-33
- n°1 Specimen HRC 57-70
- n°1 Specimen HRB 85-100

COD. 3	€	Description	Weight Kg
LA731DR	3.390,00	Digital Rockwell hardness tester with automatic loading	90

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED

QUICK GUIDE



Schwer

Manual analogic Rockwell hardness tester

Hardness tester for Rockwell scale measurement on ferrous materials. Cast iron support structure, testing max height 170mm, depth capacity 165mm Hydraulic load application system with weight method, UNI-DIN-ASTM standard compliant 60/100/150kgf loads for Rockwell A, B, and C scales Full automatic load application. N.1 Ø 150mm flat surface for workpiece positioning, N.1 Ø 55mm flat surface and N.1 flat surface with V-shaped adapter to measure cylindrical objects.

EQUIPMENT

- n°1 Cone diamond indenter
- n°1 Ball Indenter Ø 1/16" for Rockwell B scale
- n°1 Specimen HRC 20-33
- n°1 Specimen HRC 57-70
- n°1 Specimen HRB 85-100

COD. 3	€	Description	Weight Kg
LB060AR	1.490,00	Manual analogic Rockwell hardness tester	80
ASSEMBLY, FITTING AND TRAINING NOT INCLUDED			



Schwer

Digital manual Rockwell hardness tester

Hardness tester for Rockwell scale measurement on ferrous materials. Cast iron support structure, testing max height 170mm, depth capacity 165mm Hydraulic load application system with weight method, UNI-DIN-ASTM standard compliant 60/100/150kgf loads for Rockwell A, B, and C scales Full automatic load application. Reading on digital display. N.1 Ø 150mm flat surface for workpiece positioning, N.1 Ø 55mm flat surface and N.1 flat surface with V-shaped adapter to measure cylindrical objects.

EQUIPMENT

- n°1 Cone diamond indenter
- n°1 Ball Indenter Ø 1/16" for Rockwell B scale
- n°1 Specimen HRC 20-33
- n°1 Specimen HRC 57-70
- n°1 Specimen HRB 85-100

COD. 3	€	Description	Weight Kg
LA720DR	2.190,00	Digital manual Rockwell hardness tester with USB output	80
ASSEMBLY, FITTING AND TRAINING NOT INCLUDED			



H-Master

Universal analogic hardness tester

Universal analogic hardness test with the following features:

- Rockwell (HRA, HRB, HRC), Brinell, Vickers scales
- Cast iron structure, maximum height testing piece 170 mm, max depth 165 mm
- Motorized and temporized load application
- Pre-load 10 kgf, load 60-100-150 kgf for Rockwell A, B, C scales
- Load 31,2-62,5-187,5 kgf for Brinell scales
- Load 30-100 kgf for Vickers scales
- For Rockwell scales reading on analogue dial gauge
- For Brinell and Vickers scales reading with microscope included in the base scope

EQUIPMENT

- n°1 Diamond Rockwell Indenter
- n°1 Diamond Vickers Indenter
- n°1 Ball Indenter Ø 1/16" for Rockwell B scale
- n°1 Ball Brinell Indenter Ø 2,5 mm
- n°1 Ball Brinell Indenter Ø 5 mm
- n°1 Specimen HRC 20-33
- n°1 Specimen HRC 57-70
- n°1 Specimen HRB 85-100
- n°1 Specimen HV 30

COD. 3	€	Description	Weight Kg
LB151AU	3.900,00	Universal analogue hardness tester with automatic loading	100

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED

UNIVERSAL ACCESSORIES

COD. 3	€	Description
LB430TAV	445,00	Table
LB450HRC	180,00	Cone diamond Rockwell indenter
LB450HRB	114,00	Ball Indenter Ø 1/16" Rockwell B
LB450HV	209,00	Piramid diamond Vickers indenter
LB45025HB	121,00	Ball Brinell Indenter 2,5 mm
LB45050HB	134,00	Ball Brinell Indenter 5 mm



QUICK GUIDE



Leeb impact hardness tester

Measuring methods: Leeb and scales HL, HB, HRB, HRC, HV, HS, σ_b .
Measuring range: HLD (200-960) / HRC (19.8-68.5) / HRB (13.5-100) / HB (30-651) / HV (80-976) / HS (26.4-99.5) / σ_b (375-2639), with D type probe (Standard). Accuracy: ± 6 HLD (HLD=800), repeatability < 6 HLD (HLD=800). Impact direction: 360° selectable. Materials: iron, cast iron, stainless steel, aluminium, etc. Minimum measurable piece weight: 5 Kg. Display: luminated LCD display in english. Memory: 100 groups. USB connection (Standard) with software included and 2 1.5V AA type batteries. Standard GB/T 17394-1998, ASTM A956.

COD. 1	€	Measuring methods
LA758D	1.320,00	HL, HB, HRB, HRC, HV, HS



**LB202A
Shore A**



**LB202D
Shore D**

Shore A/D Hardness Tester

Analogue hardness tester for rubber, plastic, sponge and similar. This tool shows directly the Shore A and Shore D values.

COD. 1	€	Range	Dimensions mm	Excursion mm	Weight Kg
LB202A	155,00	0 - 100	115 x 60 x 25	0 - 2,5	0,5
LB202D	204,00				



Compact leeb impact hardness tester

Measuring methods: Leeb and scales HL, HB, HRB, HRC, HV, HS, σ_b .
Measuring range: HLD (200-960) / HRC (19.8-68.5) / HRB (13.5-100) / HB (30-651) / HV (80-976) / HS (26.4-99.5) / σ_b (375-2639), with D type probe (Standard) and DL probe (Optional). Accuracy: ± 6 HLD (HLD=800), repeatability < 6 HLD (HLD=800). Impact direction: 360° selectable. Materials: iron, cast iron, stainless steel, aluminium, etc. Minimum measurable piece weight: 5 Kg. Display: 45mm OLED display with 169x128 pixels resolution in english. Memory: 1000 groups. 6 results per group and 1 average value, USB connection for recharge, data output. AAA lithium battery, with automatic power off after 3 min. of not use. Standard GB/T 17394-1998, ASTM A956.

COD. 1	€	Measuring methods
LA759D	1.250,00	HL, HB, HRB, HRC, HV, HS



Shore Sample testers

COD. 1	€	Description
LB2253D	131,00	Shore D 3 pieces
LB2257A	198,00	Shore A 7 pieces



Elcometer coating thickness gauges

The Elcometer 456 is a portable instrument to measure coating thickness (Chrome, paint, rubber, etc.) on ferrous or non-ferrous metals. There are four different models available, each one with increasing functionality and could have integral or separate probe.

- Specific probes for a wide range of applications
- Large easy to read high contrast display and auto-rotating
- Measuring range 13mm with integral probe
- Measuring range 31mm with separate probe
- IP64 protection and resistant to scratches and solvents
- Supplied with calibration shims
- Accuracy starting from +/- 1%



CALIBRATION SHIM SET

COD. 1	€	Thickness
LA563060	140,00	6 Thicknesses from 25 to 1000 µm



STANDARD REPLACEMENT PROBES

Measuring range: 0-1500µm		
COD. 1	€	Description
LA544F	510,00	Ferrous integral
LA544NF	590,00	Non ferrous integral
LA544FNF	852,00	Dual FNF integral

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED

Not suitable for measurement on materials with a nickel content > 10%

WITH INTEGRAL PROBE

Measuring range: 0-1500µm - Precision: ±3%		
COD. 1	€	Description
LA510FB	738,00	Ferrous integral
LA510NFB	944,00	Non ferrous integral
LA510FNFB	1.190,00	Dual FNF integral

WITH INTEGRAL PROBE AND DATA OUTPUT

Measuring range: 0-1500µm - Precision: ±3%		
COD. 1	€	Description
LA510FS	960,00	Ferrous integral
LA510FNFS	1.600,00	Dual FNF integral

WITH SEPARATE PROBE

COD. 1		Probe	€	Description
LA525FB	+	LA544F	= 1.050,00	Ferrous integral
LA525NFB	+	LA544NF	= 1.200,00	Non ferrous integral
LA525FNFB	+	LA544FNF	= 1.620,00	Dual FNF integral

WITH SEPARATE PROBE AND DATA OUTPUT

COD. 1		Probe	€	Description
LA525FS	+	LA544F	= 1.140,00	Ferrous integral
LA525FNFS	+	LA544NF	= 1.280,00	Non ferrous integral
LA525FNFS	+	LA544FNF	= 1.690,00	Dual FNF integral



High quality ultrasonic thickness gauge

With its design and its functionalities, it can measure simply and with accuracy a wide range of materials (steel, alloy, aluminium, copper, brass, PVC) up to 500mm*

- Simple to use
 - High resistance to impacts, dust and liquids (IP54)
 - High resolution display
 - Selectable resolution 0,1mm or 0,01mm
 - Zero set master directly on the instrument
- *according to material and probe

Supplied with 5 mhz 1/4 inch standard probe, coupling gel, display protection, case for transport, batteries, calibration certificate, (Elcometer software and USB cable only version LA505EEPE)

BASIC MODEL

COD. 1	€	Precision	Precision
LA505PE	1.520,00	± 0,1% to 19,99mm*	± 0,5% from 20 to 500mm*

BLUETOOTH AND STORAGE MODEL

COD. 1	€	Precision	Precision
LA505EEPE	2.450,00	± 0,05% to 9,99mm*	± 0,5% from 10 to 500mm*

*on steel

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED

STANDARD PROBE

COD. 1	€	Description	Diameter
LA5419014	705,00	90°	1/4"

COPULING GEL

COD. 1	€	Quantity ml
LA539120	25,00	120
LA5391205	120,00	600



Dewpoint meter

Dewpoint Meter is a lightweight handy device that is able to read surface temperature, air temperature and relative humidity simultaneously. With these three values the gauge is then able to determine the dewpoint temperature, delta temperature, wet bulb temperature, and specific humidity. The Dewpoint Meter allows the user to setup maximum and minimum limits for all measurements and a alarm can also be setup to alert when any user defined values are exceeded. The Dewpoint Meter comes with internal memory to store your data. The data can then be retrieved to any PC via USB interface or Bluetooth connection using the Elcometer software provided.

COD. 1	€	Integral probe Range	Separate probe Range	Relative humidity Range
LA660S	818,00	-20 ÷ 80°C°	-40 ÷ 200°C°	0 ÷ 100%
LA660T	1.013,00			



Cross hatch cutter

The Cross hatch cutter for adhesion test provides an instant assessment of the quality of the bond to the substrate.

- Robust design
- Large, non slip grip
- Ideal for thin, thick or hard coatings
- A quick change, 4 sided cutter allows adhesion testing on a wide range of coating thicknesses (1-1,5-2-3 mm)

COD. 1	€	Description	Coating thickness
LA527KIT61	350,00	Full Kit with ISO tape	0 - 60µm
LA527KIT62	350,00	Full Kit with ISO tape	0 - 120µm

COD. 1	€	Description	ISO
LA531BL61	145,00	Four sided cutter blade: 6x1mm	•
LA531BL62	145,00	Four sided cutter blade: 6x2mm	•
LA535ADT	65,00	ISO2409 adhesive tape	•



PRICE ON REQUEST



CNC manual measuring machine

Fulcrum is a revolutionary CMM with 3 rotating axes, enabling it to have a compact and portable design in order to be used wherever needed, in the production department next to the machine tools, in the quality control department or at the premises of third parties. It is designed to optimize inspection times and improve the production process without having to wait for feedback from quality control, thereby avoiding production slowdowns. The software has been made even simpler, while maintaining the full functionality of traditional measuring machines. After the part has been inspected manually, its features are recognized immediately and the measured dimensions are displayed automatically. The intuitive software, ease of use and innovative design allow even less experienced operators to very quickly inspect the components to be measured. The intuitive buttons allow you to switch quickly between functions without having to use the mouse and parts can be placed anywhere on the measuring surface. Fulcrum will become the preferred tool for quick and precise inspections.

COD. P	Measuring range mm
LA145280	280 x 280 x 725

- FEATURES
- Compact and portable design
 - Easy single-handed use
 - Shortcut keys to switch between functions
 - Onboard machine use
 - No air pressure required
 - PC with software included
 - Free software updates

FEATURES	
Measuring volume	5.0 μm*
Scale resolution	00.4μm
Operational operateure range	18 - 22 °C

* La macchina non deve essere sottoposta a brusche variazioni di temperatura e con variazione max. 1°/ora



**PRICE ON
REQUEST**



Spider

New 3D shopfloor CNC measuring machine

Designed for robustness and reliability the new ALPA SPIDER 30 and 520 offer the maximum performance also in uncontrolled environments. Small footprint, temperature control and the no need of air pressure allow the machine positioning where the measurement is needed in the workshop or in a fully automated production area. Robust, accurate and reliable the ALPA SPIDER 370 and 520 can reduce the testing cycle times maintaining maximum efficiency.

FEATURES

- Fully sealed recirculating bearings movement
- Air pressure not required
- Five temperature Sensors
- Fast and reliable measuring system
- Easy and user friendly 3D software
- Free Software Updates

COD. P	Range mm
LA138370	XY 370 Ø - Z 270
LA138520	XY 520 Ø - Z 300

Possibility with continuous scanning.

FEATURES	
Measuring volume	(2.6 + 0.4 L/100) μm^*
Scale resolution	0.1 μm
Operational operation range	5 - 45 °C
Table	Solid granite plate
Table load capacity	200kg
Max drive speed	500mm/sec

* Max. MPEE admitted error, subject to the optimal temperature between 18 °C and 22 °C and $\Delta < 1^\circ\text{C} / \text{h}$ or $< 2^\circ\text{C} / 24\text{h}$



PRICE ON REQUEST



Trust ST

Manual and CNC 3D measuring machine

Thanks to modern technology in the development and construction, the coordinate machines ALPA TRUST ST guarantee speed, precision and reliability on all types of measurements. They may be used with touch trigger probe and continuous scanning probe or with camera system. The structure is in lighth alloys which guarantees excellent performance even in the absence of a controlled temperature. Through Innovative software Aberlink 3D it is possible to program the temperature compensation depending on workpiece material, this makes the machine ALPA TRUST ST also ideal for use in the shopfloor. The movement of the axes is through the intuitive joystick for fast and reliable measurement performances.

FEATURES

- Axis measuring range Y from 600 to 1500 mm
- Protection from environmental vibrations
- Smooth and fast movement thanks to air bearings
- Available with different head / probe configurations
- Granite top with aluminum honeycomb
- **Free software update**

ACCESSORIES AVAILABLE (pag. L.38 catalogue)

MANUAL

COD. P	Range mm
LA140600	X 640 Y 600 Z 500
LA140900	X 640 Y 900 Z 500

CNC

COD. P	Range mm
LA150600	X 640 Y 600 Z 500
LA150900	X 640 Y 900 Z 500

Other measuring ranges available (pag. L. 32 and L. 34)

FEATURES	
Accuracy	TP20 (2.4 + 0.4 L/100) µm* TP200 (2.3 + 0.4 L/100) µm* SP25M (2.1 + 0.4 L/100) µm*
Scale resolution	0.5µm
Optimum temperature range	18 - 22 °C
Operational operation range	0 - 45 °C
Table	Granite with honeycomb
Table load capacity	300kg (honeycomb) - 500kg (solid)

* Max. MPEE admitted error, subject to the optimal temperature between 18 °C and 22 °C and Δ<1 °C / h or <2 °C / 24h



PRICE ON REQUEST



FIXING KIT 111 pz.

COD. 1	€	Composition
LA171FK-L	2.500,00	Base 650 x 450 mm
LA171FK-M	2.285,00	Base 450 x 450 mm
LA171FK-S	2.185,00	Base 300 x 450 mm

Automatic 3D measuring machine

Alpa Trust LS machines are the expression of maximum technological innovation applied to 3D measurements. The unique movement system with linear motors allows a faster and smooth positioning with high accuracy. The new bridge specifics give an excellent versatility while maintaining very compact overall dimensions.

FEATURES

- Axis measuring range Y from 1000 to 2000 mm
- Linear motors with fast and smooth motion
- Guides applied on the center of gravity for better speed and accuracy
- Motors thermally isolated from meteorological sensitive components
- Smooth movement ideal for continuous scanning
- Available with different head / probe configurations
- Granite top
- Aberlink 3D software and Joystick
- **Free software update**

ACCESSORIES AVAILABLE (pag. L.38 catalogue)

Trust LS

COD. P	Axis travel X - Y - Z
LA1551000LS	800 x 1000 x 600
LA1551600LS	800 x 1600 x 600

FEATURES	
Accuracy	TP8 (1.9 + 0.4 L/100) µm*
	TP20 (1.9 + 0.4 L/100) µm*
	TP200 (1.8 + 0.4 L/100) µm*
	SP25M (1.75 + 0.4 L/100) µm*
Scale resolution	0,1µm
Optimum temperature range	18 - 22 °C
Operational temperature range	0 - 45 °C
Table load capacity	500kg
Max drive speed	1020mm/sec

* Max. MPEE admitted error, subject to the optimal temperature between 18 °C and 22 °C and $\Delta < 1$ °C / h or < 2 °C / 24h



PRICE ON REQUEST

Scope VT

Automatic 3D optical machine

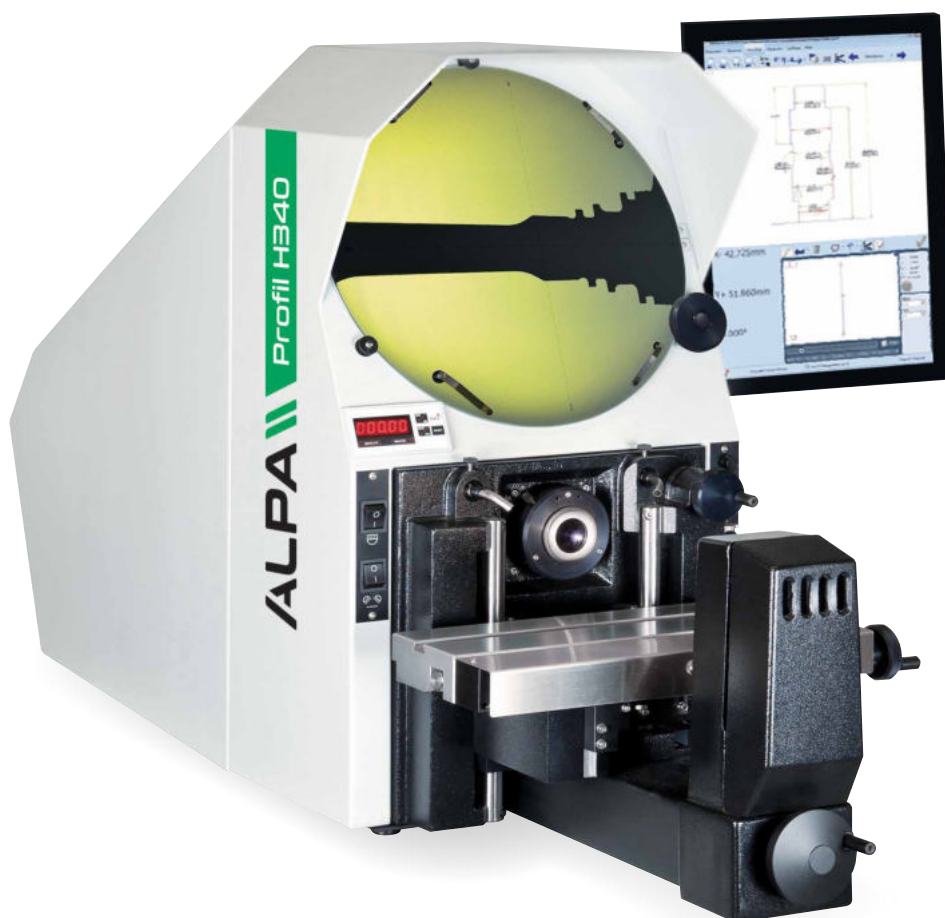
The new ALPHA SCOPE is the maximum expression of Baty technology applied to optical machines. The large measuring range 300x300x200mm, the touch probe, the FUSION software and the high resolution camera (3.22 Megapixels), allow fast, complete, affordable and accurate measurements. The maximum measuring height is 200mm. Non-contact measurement is made through motorized zoom optics: magnification from 20x to 350x, 19" monitor and collimated profile lighting. Contact measurement is made through Renishaw TP20 touch probe and accessories. 64 LED fully programmable segmented surface lighting system and TTL (coaxial surface lighting). WINDOWS 7 or following edition compatible, FUSION measuring system.

FEATURES

- High resolution 0,5µm scales for increased accuracy E1 (2+L/100) µm
- 300x300x200mm measuring range, plate with light alloy column
- 3.2 Megapixels camera, motorized micro-zoom optics
- Renishaw TP20 touch probe and accessories
- Double 19" LCD monitor as standard
- Master for setting pixels as standard, accuracy E1(2+L/100) µm

COD. P	Working plate mm	Range mm
LA110250	X 414 Y 262	X 250 Y 125 Z 155
LA110300XT	X 464 Y 462	X 300 Y 300 Z 200

FEATURES	
Accuracy	2+L/100µm
Scale resolution	0.5µm
Type of movement	Motorized CNC
Max drive speed	200mm/s
Magnification	Optical zoom 20x - 350x
Max. load	25kg



LA026FT2

Readout FT2-E

Horizontal profile projectors

ALPA PROFIL H340 is a horizontal profile projector indicated for the inspection of details of small and medium dimensions. Thanks to the large workspace and the possibility of excluding the direct light, it is also recommended for the control of the surface of cutting tools and long items.

Lens not included.

VERSION FT2-E (with readout LA026FT2)

Integrated measuring system with touch screen technology, with screen mounted automatic profile edge sensor. Thanks to the software 2D fusion it is possible to measure in a quick and easy way. All automatically with the same parameters set up in advance.

LENSES

COD. 3	€	Description
LA02510	1.400,00	Lens magnification 10x
LA02520	1.152,00	Lens magnification 20x
LA02550	1.080,00	Lens magnification 50x

COD. 3	from €	Description
LA020FT	13.500,00	Projector with readout FT2-E
LA026FT2	4.289,00	Readout FT2-E

ASSEMBLY, FITTING AND TRAINING NOT INCLUDED

FEATURES	
Range	175 x 100mm
Work Stage	325 x 100mm chromed and ground steel
Light source	Surface with optic fiber Profile Illumination with halogen lamp
Scale resolution	0,5µm
Screen Diameter	340mm
Max. load	10kg



From
7.900€*
*ASSEMBLY, FITTING
AND TRAINING NOT INCLUDED



Profil

Vertical profile projectors

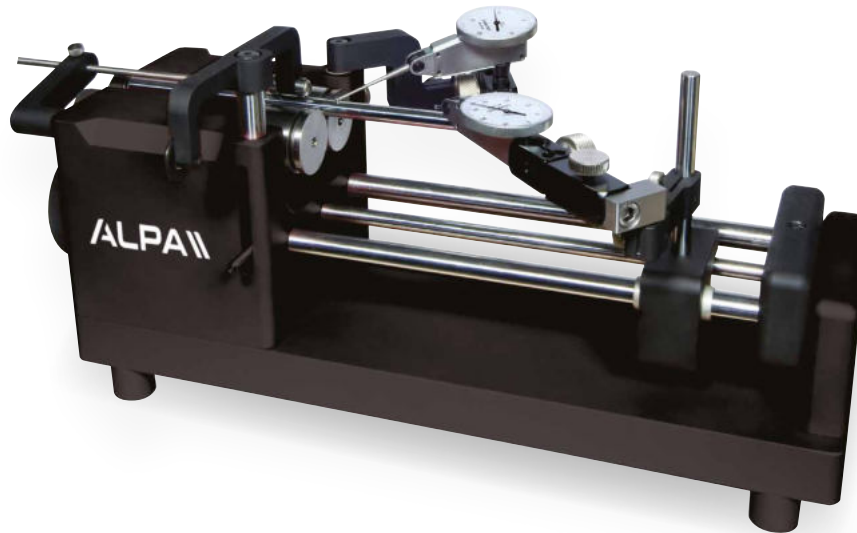
The profil vertical projector ALPA PROFIL V300 is versatile accurate and easy to use. It is equipped for quick release movement (stroke 150x50mm) readout 3 axes (x, y, angles) and geometry processor for the calculation of rays, diameters, angles and distances. Clear and defined images for particular complex measurements up to 43mm of height and 15 kg of weight. Perfect illumination of the profile and the illumination of the profile and the surface with half reflective mirror. **10x Lens included.**

LENSES

COD.	€	Description
LA05520	659,00	Lens magnification 20x
LA05550	818,00	Lens magnification 50x
LA055100	848,00	Lens magnification 100x

COD. 3	Description
LA050DP400	Vertical light path profile projector ø 300mm screen, display DP100
LA050DP400RO	Vertical screen projector Ø 300 mm with DP400 visualiser, automatic stitch setting
ASSEMBLY, FITTING AND TRAINING NOT INCLUDED	

FEATURES	
Range	150 x 50mm
Work Stage	340 x 152mm
Light source	Surface / Profile illumination
Scale resolution	0,5µm
Screen Diameter	300mm
Max. load	15kg



Concentricity and roundness control bench

Light alloy structure, hardened stainless steel rotors, 3 movable supports for dial gauge, hand wheel, plane strap transmission. Provided in ABS case. Dial gauges to be ordered separately.

COD. 1	€	Range mm	Accuracy mm	Weight Kg
CT01050	3.329,00	1,5 ÷ 50	± 0,002	8,5
CT010100	4.683,00	10 ÷ 100		12



Measurement table

Instrument for inside/outside comparative measurements, ideal for mass measurement. Light alloy structure, hardened stainless steel plane, interchangeable tips, inside/outside precharge. Suitable for measurement of work pieces with parallel, cylindrical or conical surfaces (such as shafts, through holes, blind bores, short shoulders, grooves and wall thickness). It checks gear diameter and points out roundness, concentricity and coaxiality errors. Provided with 2 stirrups, 0,01 dial gauge and ABS case.

COD. 1	€	Range mm	Repeatability mm	Weight Kg	Dimensions mm
CT020200	2.903,00	0 ÷ 200	± 0,001	6,3	255 x 150
CT020330	4.506,00	0 ÷ 330		7,1	406 x 180

Refer to Alpa catalogue for accessories

PRICE LIST FOR CALIBRATION

BORE GAUGES - CALIBRATION REPORT

DESCRIPTION	Price €
Single bore gauge	54.00

BORE GAUGES - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Single bore gauge	85.00

N.B. The bore gauge is calibrated in combination with the laboratory reader.
The dial gauge is to be considered separately.



ALTIMETERS AND SURFACE GAUGES - CALIBRATION REPORT

DESCRIPTION	Price €
Up to 300 mm	105.00
Up to 500 mm	145.00
Up to 600 mm	165.00
Up to 800 mm	205.00
Up to 1000 mm	245.00
Up to 1500 mm	285.00
Master, block only	70.00
Master, block and fork	140.00

ALTIMETERS AND SURFACE GAUGES - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Up to 300 mm	165.00
Up to 500 mm	215.00
Up to 600 mm	250.00
Up to 800 mm	300.00
Up to 1000 mm	345.00
Master, block only	110.00
Master, block and fork	220.00



SMOOTH OR SETTING RING - CALIBRATION REPORT

DESCRIPTION	Price €
From 0.5 to 2 mm	90.00
From 2 to 5 mm	50.00
From 5 to 50 mm	20.00
From 50 to 100 mm	26.00
From 100 to 200 mm	35.00
From 200 to 300 mm	40.00

Diameter size: 1 section

SMOOTH OR SETTING RING - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
From 0.5 to 2 mm	130.00
From 2 to 5 mm	80.00
From 5 to 50 mm	45.00
From 50 to 100 mm	50.00
From 100 to 200 mm	55.00
From 200 to 300 mm	60.00

Diameter size: 1 section at 0° and 1 section with 90° rotation



P OR NP THREADED RINGS - CALIBRATION REPORT

CYLINDRICAL THREAD

DESCRIPTION	Price €
Up to 5 mm	36.00
From 6 to 50 mm	24.00
From 50 to 100 mm	34.00
From 100 to 200 mm	53.00

Diameter size:
go side: 1 section
no go side: 1 section

P O NP THREADED RINGS - CALIBRATION CERTIFICATE

CYLINDRICAL THREAD



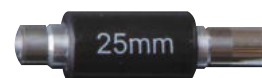
DESCRIPTION	Price €
Up to 5 mm	120.00
From 6 to 50 mm	80.00
From 50 to 100 mm	95.00
From 100 to 200 mm	105.00

Average diameter size:
go side: 3 sections at 0° and 3 sections with 90° rotation
no go side: 1 section at 0° and 1 section with 90° rotation



SETTING RODS - CALIBRATION REPORT

DESCRIPTION	Price €
From 0 to 100 mm	20.00
From 125 to 300 mm	42.00
From 301 to 600 mm	75.00
From 601 to 1000 mm	90.00
From 1001 to 2000 mm	105.00
From 2001 to 5000 mm	125.00

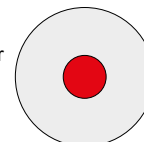


SETTING RODS - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
From 0 to 100 mm	35.00
From 125 to 300 mm	70.00
From 301 to 600 mm	110.00
From 601 to 1000 mm	130.00
From 1001 to 2000 mm	150.00
From 2001 to 5000 mm	180.00

One measure in the center →



FLAT-PARALLEL BLOCKS UP TO 100 mm - CALIBRATION REPORT

DESCRIPTION	Price €
Single block	25.00
From 2 to 9 pcs.	18.00
Over 10 pcs.	12.00
Set of 10 pcs.	65.00
Set of 32 pcs.	215.00
Set of 47 pcs.	265.00
Set of 87 pcs.	480.00
Set of 103 pcs.	540.00
Set of 112 pcs.	590.00
Set of 122 pcs.	640.00

Measurement of deviation at centre: 1 point in the centre of the measuring faces

FLAT-PARALLEL BLOCKS UP TO 100 mm - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Single block	38.00
From 2 to 9 pcs.	24.00
Over 10 pcs.	18.00
Set of 10 pcs.	95.00
Set of 32 pcs.	280.00
Set of 47 pcs.	360.00
Set of 87 pcs.	580.00
Set of 103 pcs.	660.00
Set of 112 pcs.	710.00
Set of 122 pcs.	765.00

Measurement of deviation at centre: 1 point in the centre of the measuring faces

Measurement of change in length: an additional 4 points at the vertices of the measuring faces

Only one calibration certificate/report will be issued, whether you order the set of blocks or if you order more than a single block.

The calibration certificate/report for each single block must be expressly requested during the quotation phase.



BLOCKS OVER 100 mm LONG - CALIBRATION REPORT

DESCRIPTION	Price €
Single block from 101 up to 300 mm	58.00
Single block from 301 up to 600 mm	75.00
Single block from 600 up to 1000 mm	181.00
Set of 8 blocks up to 600 mm long	643.00

Measurement of deviation at centre: 1 point in the centre of the measuring faces

BLOCKS OVER 100 mm LONG - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Single block from 101 up to 300 mm	110.00
Single block from 301 up to 600 mm	125.00
Single block from 600 up to 1000 mm	281.00
Set of 8 blocks up to 600 mm long	732.00

Measurement of deviation at centre: 1 point in the centre of the measuring faces

Only one calibration certificate/report will be issued, whether you order the set of blocks or if you order more than a single block.

The calibration certificate/report for each single block must be expressly requested during the quotation phase



SLIDE CALIPERS - CALIBRATION REPORT

DESCRIPTION	Price €
Up to 150 mm	38.00
Up to 200 mm	42.00
Up to 300 mm	58.00
Up to 500 mm	85.00
Up to 800 mm	100.00
Up to 1000 mm	125.00
Up to 2000 mm	150.00
Up to 5000 mm	200.00



SLIDE CALIPERS - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Up to 150 mm	50.00
Up to 200 mm	55.00
Up to 300 mm	80.00
Up to 500 mm	100.00
Up to 800 mm	135.00
Up to 1000 mm	165.00
Up to 2000 mm	200.00
Up to 5000 mm	250.00



Applies to external, internal, analogue and digital depth slide calipers.

DIAL GAUGES - CALIBRATION REPORT

DESCRIPTION	Price €
Travel of up to 10 mm	26.00
Travel of up to 30 mm	34.00
Travel of up to 50 mm	42.00
Travel of up to 100 mm	54.00



DIAL GAUGES - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Travel of up to 10 mm	90.00
Travel of up to 30 mm	100.00
Travel of up to 50 mm	110.00
Travel of up to 100 mm	120.00

HARDNESS TESTER - CALIBRATION REPORT

DESCRIPTION	Price €
INDIRECT verification for 1 scale	upon request
INDIRECT verification - Scale in addition to the first one	upon request

N.B. The cost for on-site technical assistance is not included.

HARDNESS TESTER - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
DIRECT and/or INDIRECT verification for 1 scale	upon request
DIRECT and/or INDIRECT verification - Scale in addition to the first one	upon request

N.B. The cost for on-site technical assistance is not included.



MICROMETERS FOR EXTERNAL MEASUREMENTS - CALIBRATION REPORT

DESCRIPTION	Price €
From 0 to 25 mm	33.00
From 25 to 50 mm	38.00
From 50 to 75 mm	39.00
From 75 to 100 mm	42.00
From 100 to 200 mm	58.00
From 200 to 300 mm	90.00
From 300 to 400 mm	100.00

The prices shown above refer to the calibration of the micrometers only and do not include any setting rods.

MICROMETERS FOR EXTERNAL MEASUREMENTS

CALIBRATION CERTIFICATE



DESCRIPTION	Price €
From 0 to 25 mm	65.00
From 25 to 200 mm	100.00
From 200 to 300 mm	125.00
From 300 to 400 mm	145.00

The prices shown above refer to the calibration of the micrometers only and do not include any setting rods.
The prices shown above refer to the verification of travel of the instrument over the entire measuring range; verification of flatness, which is optional and must be expressly requested, is not included.



MICROMETER FOR INTERNAL MEASUREMENTS WITH MODULAR RODS - CALIBRATION REPORT

DESCRIPTION	Price €
Vernier measuring head	42.00
Extension up to 100 mm	19.00
Extension from 110 to 150 mm	24.00
Extension from 200 to 500 mm	28.00

MICROMETER FOR INTERNAL MEASUREMENTS WITH MODULAR RODS - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Vernier measuring head	85.00
Extension up to 100 mm	30.00
Extension from 110 to 150 mm	35.00
Extension from 200 to 500 mm	40.00



INSPECTION PLATE - CALIBRATION REPORT

DESCRIPTION	Price €
Up to 1000 x 600 mm	180.00
Up to 1600 x 1000 mm	255.00
Up to 2000 x 1000 mm	310.00

N.B. The cost for on-site technical assistance is not included.



PRISMS - CALIBRATION REPORT

DESCRIPTION	Price €
Parallel prisms in pairs up to 200 mm	200.00



CALIBRATED PINS - CALIBRATION REPORT

DESCRIPTION	Price €
From 1 to 5 pcs.	20.00
From 6 to 19 pcs.	8.00
From 20 to 50 pcs.	5.00
Over 50 pcs.	3.00

Diameter size: 1 section

CALIBRATED PINS - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
From 1 to 5 pcs.	20.00
From 6 to 19 pcs.	9.00
From 20 to 50 pcs.	6.00
Over 50 pcs.	4.00

Diameter size: 1 section at 0° and 1 section with 90° rotation



CONICAL THREADED PLUGS - CALIBRATION REPORT

DESCRIPTION	Price €
From G 1/16" to G1" NPT; NPTF; NGT	33.00
From G 1" 1/8 to G 2" NPT; NPTF; NTG	54.00
From G 2" 1/4 to G 3" NPT; NPTF; NGT	65.00
Over 3" to 4" NPT; NPTF; NGT	98.00



GO/NO GO THREADED PLUGS - CALIBRATION REPORT

DESCRIPTION	Price €
Up to 50 mm	24.00
From 50 to 100 mm	33.00
From 100 to 200 mm	48.00

Diameter size:

go side: 1 section

no go side: 1 section

GO/NO GO THREADED PLUGS - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Up to 50 mm	80.00
From 50 to 100 mm	90.00
From 100 to 200 mm	100.00

Average diameter size:

go side: 3 sections at 0° and 3 sections with 90° rotation

no go side: 1 section at 0° and 1 section with 90° rotation



GO OR NO GO THREADED PLUGS - CALIBRATION REPORT

DESCRIPTION	Price €
Up to 50 mm	16.00
From 50 to 100 mm	21.00
From 100 to 200 mm	32.00

Diameter size:
go side: 1 section
no go side: 1 section

GO OR NO GO THREADED PLUGS - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Up to 50 mm	70.00
From 50 to 100 mm	80.00
From 100 to 200 mm	90.00

Average diameter size:
go side: 3 sections at 0° and 3 sections with 90° rotation
no go side: 1 section at 0° and 1 section with 90° rotation



GO/NO GO LIMIT PLUGS - CALIBRATION REPORT

DESCRIPTION	Price €
Up to 50 mm	10.00
From 50 to 100 mm	19.00
From 100 to 200 mm	29.00
From 200 to 300 mm	35.00

Diameter size:
go side: 1 section
no go side: 1 section

GO/NO GO LIMIT PLUGS - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Up to 50 mm	70.00
From 50 to 100 mm	85.00
From 100 to 200 mm	95.00
From 200 to 300 mm	105.00

Average diameter size:
go side: 3 sections at 0° and 3 sections with 90° rotation
no go side: 3 sections at 0° and 3 sections with 90° rotation



GO OR NO GO LIMIT PLUGS - CALIBRATION REPORT

DESCRIPTION	Price €
Up to 50 mm	7.00
From 50 to 100 mm	13.00
From 100 to 200 mm	20.00
From 200 to 300 mm	25.00

Diameter size:
go side: 1 section
no go side: 1 section

GO OR NO GO LIMIT PLUGS - CALIBRATION CERTIFICATE



DESCRIPTION	Price €
Up to 50 mm	50.00
From 50 to 100 mm	55.00
From 100 to 200 mm	60.00
From 200 to 300 mm	70.00

Average diameter size:
go side: 3 sections at 0° and 3 sections with 90° rotation
no go side: 3 sections at 0° and 3 sections with 90° rotation





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