





















Explanations

In our catalogue you will find several pictograms beside the text description. They should be helpful for a quick and easier explanation of the articles and their attributes.








Protection (IP-Code) acc. to DIN 40050 / IEC 60529 etc.

	Protected against solid particles $\varnothing > 1 \text{ mm}$
	Protected against solid particles $\varnothing > 1 \text{ mm}$ and drop water resistant
	Splash water resistant
	Drop water resistant
	Drop water resistant
	Dust and spray water resistant
	Dust and spray water resistant
	Dust and drop water proof
	Dust and spray water proof
	Dust and splash water proof
	Dust and jet water proof
	Water and oil tight (at times)
	Water and oil tight (permanent)
	Article is explosion proof
	Article with UL-certificate (american safety norm)




























Manufacturing process

	Article with laser engraved scale / graduation
	Article with etched scale / graduation
	Article with printed scale / graduation (Pad print)
	Hardened
	Stainless steel

Icons for data process

	RS232 data output by data cable
	Opto RS232 data output
	Proximity data output, inductive, contactless
	Data output by USB and data cable
	Data output by USB and Mini USB (compatible with Mitutoyo Digimatic)
	wireless communication (WiFi) possible
	Software on CD-Rom

Several Icons

	Article-Number
	Reading / Resolution
	Weight in kg
	Cross section of the article
	Max. total accuracy(±)
	Repeatability (±)
	Individual measuring range
	Article dimension
	Measuring- and weighing-unit selectable or swichtable
	Corresponding battery included
	Corresponding battery included
	Corresponding cell battery included
	Corresponding cell battery included
	Corresponding lithium battery included
	Corresponding lithium battery included
	Accu
	Power supply
	Laser protection class
	Magnet power
	Induction
	Laser wavelength
	Shock proof
	Stand out
	Reading in mm and inch
	Reading in cm and inch
	Article with ABS/INC measuring system
	Article with ABSOLUTE measuring function

ATTENTION

We charge transport and packing costs for articles marked with *!














About the Certification:













We are also able to quote all DIN measuring tools with a certificate to VDI/VDE/DGQ 2618. Measuring tools manufactured at works standard will be certificated according to this norm. The calibrations will be done by an external calibration laboratory. The delivery time for external calibration will take approx one week. Calibration orders can't be cancelled and calibrated goods are excluded from sale of return. Whether you expect a calibration by laboratory of your choice, we are unable to guarantee for passing. Compensation of refund of costs are also impossible.

Norms, accuracy-classes, regulations	
EC I	Article fulfils the respective EC Class standard
EC II	Article fulfils the respective EC Class standard
E1	Article fulfils the respective verification standard
CC	Workshop calibration certificate, inclusive
TC	Article with test certificate, marked with Ident.-No.
CE	Article with CE classification
MID CODE	Directive of the European Parliament and of the council on measuring instruments
T2	Article with strengths tolerances acc. to DIN 2275
T3	Article with strengths tolerances acc. to DIN 2275
ASTM	Article fulfils the respective American standard
BS	Article fulfils the respective British standard
JIS K	Article fulfils the respective Japanese standard
DIN	Article fulfils the respective DIN standard
DIN EN	Article fulfils the respective DIN EN standard
ISO	Article fulfils the respective ISO standard
DIN ISO	Article fulfils the respective DIN ISO standard
NORM	Article manufactured acc. to tolerances of workshop standard
TÜV GS	Article with seal: "TÜV/Geprüfte Sicherheit (GS)"
vd TÜV	Article with seal: "TÜV"
IEC / EN	Article fulfils the respective norm standard

**Workshop or „DAkKS“-Calibration
(German Calibration Service)**
Calibrated instruments available for extra charge.
Please send us your specific inquiry.

Quality categories	
★★★★★	Product for highest demands
★★★★☆	Industry and craft
★★★☆☆	Craft
★★☆☆☆	DIY and training

Art of package for each article	
	Article will be packed in a carton box
	Article will be packed in a sturdy box (wood, plastic or aluminum)
	Article will be packed in a leatherette pouch
	Article will be packed in a PVC pouch
	Article will be packed in a sleeve
	Article will be sealed in a foil
	Article will be packed in a DIY plastic pouch with hanging card
	Article will be packed in a plastic film pouch with hanging card
	Article comes with wall hanging card
	Article will be packed in a blister packing
	Article will be packed a clear plastic box
	Carry bag, for outdoor use
	Article delivered on a pallet

Product specifications	
	Caliper jaw length
	Measuring internal dimension
	Caliper jaws (cross shape)
	Caliper jaws (knife shape)
	Depth Gauge
	Thumbroll
	Fine adjustment
	Thread pitch
	Measuring Inside
	Measuring outside
	Pointer rotation
	Setting gauge

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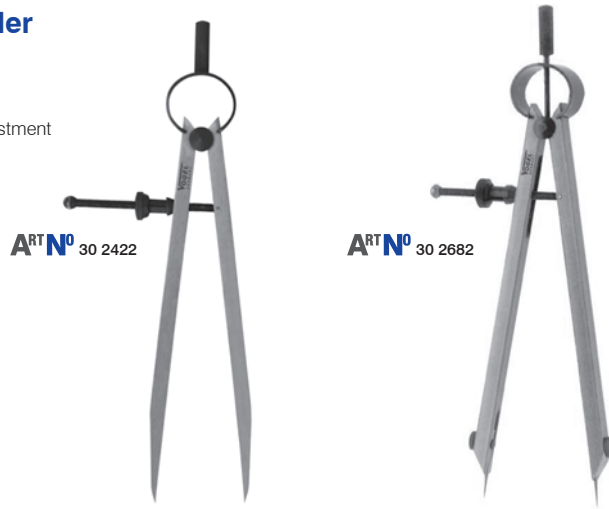
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Dividers, Internal and External Spring Joint Compasses

★ ★ ★ ★ ★ BLUE-LINE® Spring Divider DIN 6486

- steel, polished
- square legs, with hardened tips
- with quick nut for quick positive adjustment



ART N° 30 26899
pair of spare needles



ART N° Divider	→ ←	KG
30 2420	100	0.090
30 2421	125	0.100
30 2422	150	0.135
30 2423	175	0.165
30 2424	200	0.170
30 2425	250	0.270
30 2426	300	0.325
30 2427	400	0.340
30 2428	500	0.460

ART N° Divider with exchangeable points	→ ←	KG
30 2680	100	0.090
30 2681	125	0.100
30 2682	150	0.135
30 2683	175	0.165
30 2684	200	0.170
30 2685	250	0.270
30 2686	300	0.325
30 2687	400	0.340
30 2688	500	0.460

★ ★ ★ ★ ★ BLUE-LINE® Internal and External Spring Joint Compass DIN 6482/6484

- steel, polished
- square legs, with hardened tips
- with quick nut for quick positive adjustment



ART N° Spring Inside Compass	→ ←	KG
30 2440	100	0.090
30 2441	125	0.115
30 2442	150	0.125
30 2443	175	0.150
30 2444	200	0.180
30 2445	250	0.220
30 2446	300	0.255
30 2447	400	0.335
30 2448	500	0.415

ART N° Spring Outside Compass	→ ←	KG
30 2460	100	0.100
30 2461	125	0.130
30 2462	150	0.145
30 2463	175	0.180
30 2464	200	0.190
30 2465	250	0.230
30 2466	300	0.265
30 2467	400	0.350
30 2468	500	0.445

Dividers, Internal and External Joint Compasses

BLUE-LINE® Divider and Divider with Setting Wing DIN 6486

- steel, polished
- square legs, with hardened tips
- with rivet



ART N° Divider			ART N° with setting wing			ART N° with holder		
30 2402	150	0.125	30 2412	150	0.100	30 2472	150	0.135
30 2403	175	0.170	30 2413	175	0.160	30 2473	175	0.145
30 2404	200	0.180	30 2414	200	0.190	30 2474	200	0.180
30 2405	250	0.245	30 2415	250	0.275	30 2475	250	0.280
30 2406	300	0.295	30 2416	300	0.320	30 2476	300	0.335
30 2407	400	0.435	30 2417	400	0.525	30 2477	400	0.405
30 2408	500	0.500	30 2418	500	0.580	30 2478	500	0.590

BLUE-LINE® Internal and External Joint Compass DIN 6482 / 6484

- steel, polished
- with flat legs
- with rivet



ART N° Inside Compass			ART N° Outside Compass		
30 2432	150	0.065	30 2452	150	0.085
30 2433	175	0.070	30 2453	175	0.095
30 2434	200	0.080	30 2454	200	0.105
30 2435	250	0.110	30 2455	250	0.150
30 2436	300	0.190	30 2456	300	0.240
30 2437	400	0.210	30 2457	400	0.290
30 2438	500	0.370	30 2458	500	0.380

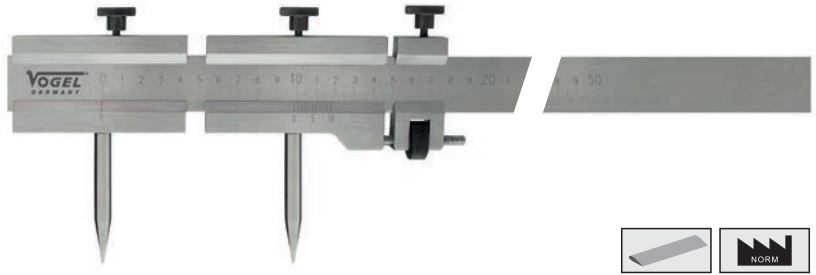
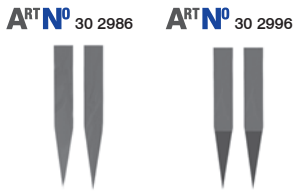
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Precision Trammels

ATTENTION
We charge transport and packing costs for articles marked with *!

★★★★★ BLUE-LINE® Trammel

- steel, with hardened, exchangeable points
- flat beam, with fine adjustment
- with fixing screws



ART No	mm	mm	KG
30 2911	500	0.1	1.180
30 2912	1000	0.1	2.240
30 2913	1500	0.1	2.940
30 2914*	2000	0.1	3.800
30 2915*	3000	0.1	4.750

ART No	ART No
spare points, in pair hardened	spare points, in pair carbide
30 2986	30 2996
30 2986	30 2996
30 2986	30 2996
30 2986	30 2996
30 2986	30 2996

★★★★★ BLUE-LINE® Precision In- and Outside Caliper

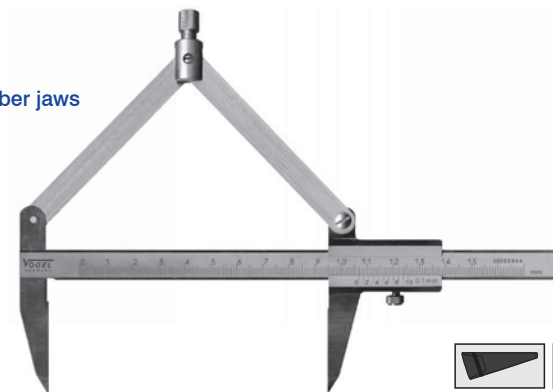
- special steel, chromed
- reading scale in matt chrome finish
- with adjusting screw



ART No	mm	mm	total length mm	KG
30 3301	120	0.1	190	0.200
30 3302	160	0.1	250	0.300
30 3303	200	0.1	310	0.500
30 3304	250	0.1	380	0.700
30 3305	300	0.1	460	0.900

★★★★★ BLUE-LINE® Compass Vernier Caliper

- for accurate marking owing to parallel position of the scriber jaws
- special steel, reading scale in matt chrome finish
- with fixing screw
- with carbide tips or hardened tips at your choice



ART No	ART No	mm	mm	mm	KG
hardened tips	carbide tips	mm	for σ mm	mm	
30 3002	30 3102	150	300	0.1	0.150
30 3003	30 3103	200	400	0.1	0.180
30 3004	30 3104	250	500	0.1	0.210
30 3005	30 3105	300	600	0.1	0.250

★★★★★
SILVER-LINE® Precision Inspection Square
 DIN 875/0

- for inspection rooms and test laboratories
- stainless, hardened steel or made from special hardened steel
- extra fine ground
- flat or with back

★★★★★
SILVER-LINE® Precision Inspection Square
 DIN 875/1

- for precision machinery
- stainless, steel or made from special steel
- fine ground
- flat or with back

- Option:**
- wooden box



ART N° flat	mm	KG	ART N° with back	mm	KG	ART N° CC	ART N° wooden box	
DIN 875/0 stainless steel							flat	with back
31 0000	50 x 40	0.065	31 0100	50 x 40	0.085	31 94050	31 99050	31 99051
31 0001	75 x 50	0.080	31 0101	75 x 50	0.100	31 94075	31 99075	31 99076
31 0002	100 x 70	0.100	31 0102	100 x 70	0.150	31 94100	31 99100	31 99101
31 0003	150 x 100	0.250	31 0103	150 x 100	0.400	31 94150	31 99150	31 99151
31 0004	200 x 130	0.500	31 0104	200 x 130	0.700	31 94200	31 99200	31 99201
31 0005	250 x 165	0.700	31 0105	250 x 165	1.100	31 94250	31 99250	31 99251
31 0006	300 x 200	1.150	31 0106	300 x 200	1.600	31 94300	31 99300	31 99301
DIN 875/0 carbon steel							flat	with back
31 0011	75 x 50	0.080	31 0111	75 x 50	0.100	31 94075	31 99075	31 99076
31 0012	100 x 70	0.100	31 0112	100 x 70	0.150	31 94100	31 99100	31 99101
31 0013	150 x 100	0.250	31 0113	150 x 100	0.400	31 94150	31 99150	31 99151
31 0014	200 x 130	0.500	31 0114	200 x 130	0.700	31 94200	31 99200	31 99201
31 0015	250 x 165	0.700	31 0115	250 x 165	1.100	31 94250	31 99250	31 99251
31 0016	300 x 200	1.150	31 0116	300 x 200	1.600	31 94300	31 99300	31 99301
DIN 875/1 stainless steel							flat	with back
31 0021	75 x 50	0.080	31 0121	75 x 50	0.100	31 94075	31 99075	31 99076
31 0022	100 x 70	0.100	31 0122	100 x 70	0.150	31 94100	31 99100	31 99101
31 0023	150 x 100	0.250	31 0123	150 x 100	0.400	31 94150	31 99150	31 99151
31 0024	200 x 130	0.500	31 0124	200 x 130	0.700	31 94200	31 99200	31 99201
31 0025	250 x 165	0.700	31 0125	250 x 165	1.100	31 94250	31 99250	31 99251
31 0026	300 x 200	1.150	31 0126	300 x 200	1.600	31 94300	31 99300	31 99301
31 0026/1	400 x 265	1.180	31 0126/1	400 x 265	2.700	31 94400	31 99400	31 99401
31 0027	500 x 330	2.800	31 0127	500 x 330	4.360	31 94500	31 99500	31 99501
31 0027/1	600 x 400	3.300	31 0127/1	600 x 400	4.900	31 94600	31 99600	31 99761
31 0028	750 x 500	6.400	31 0128	750 x 500	8.900	31 94750	31 99750	31 99751
31 0029*	1000 x 660	13.000	31 0129*	1000 x 660	15.800	31 94990	31 99990	31 99991
DIN 875/1 carbon steel							flat	with back
31 0041	75 x 50	0.080	31 0141	75 x 50	0.100	31 94075	31 99075	31 99076
31 0042	100 x 70	0.100	31 0142	100 x 70	0.150	31 94100	31 99100	31 99101
31 0043	150 x 100	0.250	31 0143	150 x 100	0.400	31 94150	31 99150	31 99151
31 0044	200 x 130	0.500	31 0144	200 x 130	0.700	31 94200	31 99200	31 99201
31 0045	250 x 165	0.700	31 0145	250 x 165	1.100	31 94250	31 99250	31 99251
31 0046	300 x 200	1.150	31 0146	300 x 200	1.600	31 94300	31 99300	31 99301
31 0046/1	400 x 265	1.180	31 0146/1	400 x 265	2.700	31 94400	31 99400	31 99401
31 0047	500 x 330	2.800	31 0147	500 x 330	4.360	31 94500	31 99500	31 99501
31 0047/1	600 x 400	3.300	31 0147/1	600 x 400	4.900	31 94600	31 99600	31 99761
31 0048	750 x 500	6.400	31 0148	750 x 500	8.900	31 94750	31 99750	31 99751
31 0049*	1000 x 660	13.000	31 0149*	1000 x 660	14.800	31 94990	31 99990	31 99991
31 0049/1*	1500 x 750	15.000	31 0149/1*	1500 x 1000	33.000	31 94991	31 99992	31 99993

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Precision Squares



- for standard machinery
- stainless or carbon steel, at your choice
- fine ground
- flat or with back

- Option:
- wooden box



ART N° flat	mm	KG	ART N° with back	mm	KG	ART N° CC	ART N° wooden box	
DIN 875/2 stainless steel						flat	with back	
31 0071	75 x 50	0.080	31 0171	75 x 50	0.100	31 94075	31 99075	31 99076
31 0072	100 x 70	0.100	31 0172	100 x 70	0.150	31 94100	31 99100	31 99101
31 0073	150 x 100	0.250	31 0173	150 x 100	0.400	31 94150	31 99150	31 99151
31 0074	200 x 130	0.500	31 0174	200 x 130	0.700	31 94200	31 99200	31 99201
31 0075	250 x 165	0.700	31 0175	250 x 165	1.100	31 94250	31 99250	31 99251
31 0076	300 x 175	0.800	31 0176	300 x 175	1.180	31 94300	31 99300	31 99301
31 0076/1	400 x 200	1.100	31 0176/1	400 x 200	1.480	31 94400	31 99400	31 99401
31 0077	500 x 250	1.600	31 0177	500 x 250	2.300	31 94500	31 99500	31 99501
31 0077/1	600 x 300	2.000	31 0177/1	600 x 300	2.700	31 94600	31 99600	31 99761
31 0078	750 x 375	3.500	31 0178	750 x 375	5.000	31 94750	31 99750	31 99751
31 0079*	1000 x 500	6.000	31 0179*	1000 x 500	7.500	31 94990	31 99990	31 99991
31 0079/1*	1500 x 750	14.500	31 0179/1*	1500 x 750	16.000	31 94991	31 99992	31 99993
31 0079/2*	2000 x 1000	23.500	31 0179/2*	2000 x 1000	26.000	31 94992	31 99994	31 99995
DIN 875/2 carbon steel						flat	with back	
31 0061	75 x 50	0.080	31 0161	75 x 50	0.100	31 94075	31 99075	31 99076
31 0062	100 x 70	0.100	31 0162	100 x 70	0.150	31 94100	31 99100	31 99101
31 0063	150 x 100	0.250	31 0163	150 x 100	0.400	31 94150	31 99150	31 99151
31 0064	200 x 130	0.500	31 0164	200 x 130	0.700	31 94200	31 99200	31 99201
31 0065	250 x 165	0.700	31 0165	250 x 165	1.100	31 94250	31 99250	31 99251
31 0066	300 x 175	0.800	31 0166	300 x 175	1.180	31 94300	31 99300	31 99301
31 0066/1	400 x 200	1.100	31 0166/1	400 x 200	1.480	31 94400	31 99400	31 99401
31 0067	500 x 250	1.600	31 0167	500 x 250	2.300	31 94500	31 99500	31 99501
31 0067/1	600 x 300	2.000	31 0167/1	600 x 300	2.700	31 94600	31 99600	31 99761
31 0068	750 x 375	3.500	31 0168	750 x 375	5.000	31 94750	31 99750	31 99751
31 0069*	1000 x 500	6.000	31 0169*	1000 x 500	7.500	31 94990	31 99990	31 99991
31 0069/1*	1500 x 750	14.500	31 0169/1*	1500 x 750	16.000	31 94991	31 99992	31 99993
31 0069/2*	2000 x 1000	23.500	31 0169/2*	2000 x 1000	26.000	31 94992	31 99994	31 99995

Wooden Boxes for Prec. Squares

- for a secure storage of the squares
- with foam insert
- fine and smooth design
- for flat squares or with back



Bevel Edge Squares and Knife Straight Edges

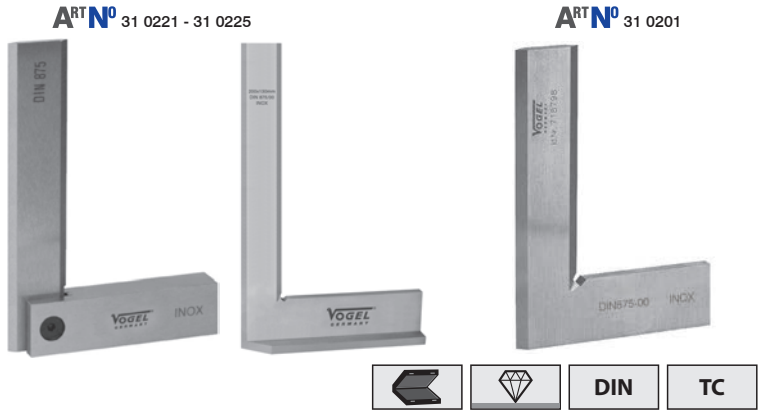


Precision Bevel Edge Square

DIN 875/00

- for the tests of the light-gap method
- stainless steel or carbon steel, at your choice
- hardened and fine ground
- with two bevelled edges, finely ground and lapped
- flat or with back

- Option:
- wooden box



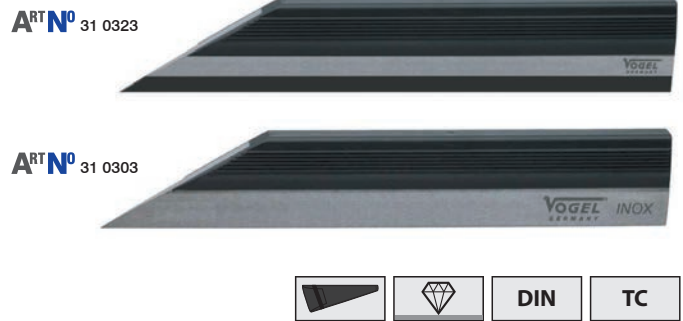
ART No flat	mm	KG	ART No with back	mm	KG	ART No CC	ART No wooden box	
stainless steel							flat	with back
31 0201	50 x 40	0.030	31 0221	50 x 40	0.050	31 94021	31 99050	31 99051
31 0202	75 x 50	0.050	31 0222	75 x 50	0.060	31 94021	31 99075	31 99076
31 0203	100 x 70	0.100	31 0223	100 x 70	0.130	31 94022	31 99100	31 99101
31 0204	150 x 100	0.260	31 0224	150 x 100	0.320	31 94023	31 99150	31 99151
31 0205	200 x 130	0.430	31 0225	200 x 130	0.650	31 94024	31 99200	31 99201
carbon steel							flat	with back
31 0211	50 x 40	0.030	-	-	-	31 94021	31 99050	-
31 0212	75 x 50	0.050	-	-	-	31 94021	31 99075	-
31 0213	100 x 70	0.100	-	-	-	31 94022	31 99100	-
31 0214	150 x 100	0.260	-	-	-	31 94023	31 99150	-
31 0215	200 x 130	0.430	-	-	-	31 94024	31 99200	-



Precision Knife Straight Edge

DIN 874/2 page 2

- for the tests of the light-gap method
- stainless steel, anti-glare matt chromed, hardened and fine ground
- carbon steel, with burnished edges, hardened and fine ground
- bevelled edges finely ground and lapped
- with insulation handle



ART No stainless	mm	KG	ART No carbon steel	mm	KG	ART No CC	ART No wooden box
31 0302	75	0.050	31 0322	75	0.050	31 94302	31 99302
31 0303	100	0.070	31 0323	100	0.070	31 94303	31 99303
31 0304	125	0.090	31 0324	125	0.090	31 94304	31 99304
31 0305	150	0.110	31 0325	150	0.110	31 94305	31 99305
31 0306	200	0.150	31 0326	200	0.150	31 94306	31 99306
31 0307	250	0.200	31 0327	250	0.200	31 94307	31 99307
31 0308	300	0.250	31 0328	300	0.250	31 94308	31 99308
31 0310	400	0.750	31 0329	400	0.750	31 94310	31 99310
31 0311	500	0.910	31 0330	500	0.910	31 94311	31 99311
31 0312	600	1.650	31 0331	600	1.650	31 94312	31 99312
31 0313	750	2.800	31 0332	750	2.800	31 94313	31 99313
31 0314	1000	4.000	31 0333	1000	4.000	31 94314	31 99314
31 0315	1250	4.250	31 0334	1250	4.250	31 94315	31 99315
31 0316	1500	5.600	31 0335	1500	5.600	31 94316	31 99316

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SILVER-LINE  **Square with Inside Bevelled Edge**
DIN 875/00

- with a bevelled edge at the inside
- stainless steel
- hardened and fine ground
- bevelled edge finely ground and lapped

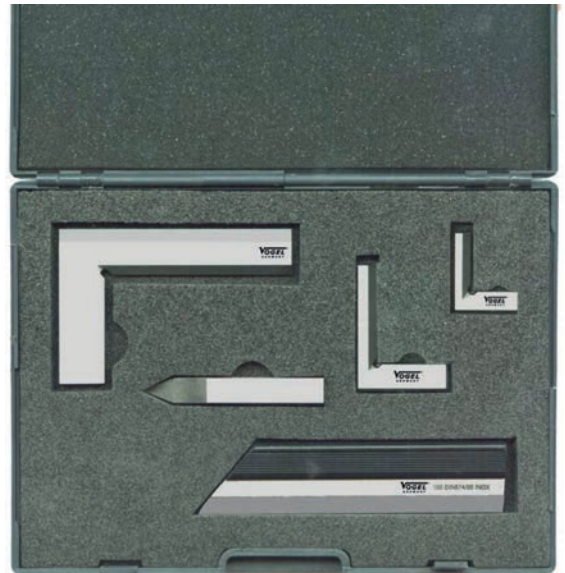


ART ^{NO}	square	mm		KG	ART ^{NO} CC	ART ^{NO} wooden box
		long blade	short blade			
31 0231	25 x 20	6.0 x 3.5	5.0 x 3.5	0.004	31 94302	31 99050
31 0232	40 x 28	8.0 x 3.5	5.0 x 3.5	0.008	31 94302	31 99050

SILVER-LINE  **Toolmaker Square Set**
DIN 875/00

contents:

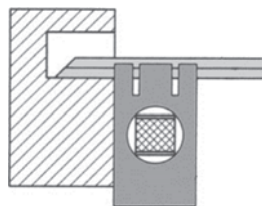
- knife straight edge, stainless steel, hardened, DIN 874/00, length 100 mm
- square with inside bevelled edge, stainless, hardened, DIN 875/00, size 25x20 mm
- square with inside bevelled edge, stainless, hardened, DIN 875/00, size 40x28 mm
- square with bevelled edges, stainless, hardened, DIN 875/00, size 75x50 mm
- steel scriber point, size 60x9x9 mm



ART ^{NO}	KG	ART ^{NO} CC
31 0229	0.300	31 94229

SILVER-LINE  **Adjustable Bevelled Edge Square**
DIN 875 GG 00

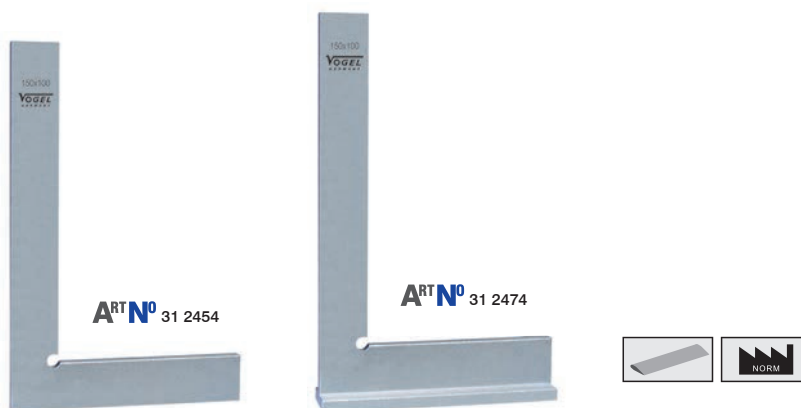
- precision pattern for toolmakers etc.
- stainless steel, hardened and fine ground
- bevelled edge finely ground and lapped
- incl. workshop test certificate



ART ^{NO}	size of handle mm	mm	KG	ART ^{NO} CC
31 0235	40 x 23 x 10	60 x 4 x 4	0.067	31 94235

★★★★★ BLUE-LINE® Workshop Square

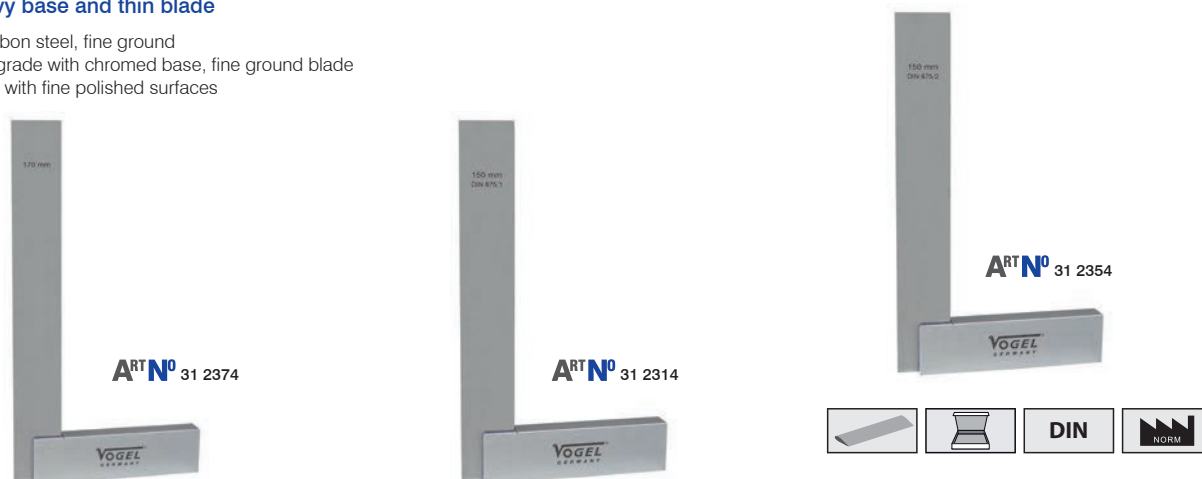
- for locksmith, workshop use, mechanics, training, etc.
- special steel, galvanized finish
- flat or with back, at your choice



ART No flat	mm	mm	KG	ART No with back	mm	mm	KG
31 2453	100 x 70	19 x 5	0.070	31 2473	100 x 70	19 x 5	0.105
31 2454	150 x 100	20 x 5	0.145	31 2474	150 x 100	20 x 5	0.235
31 2455	200 x 130	25 x 5	0.250	31 2475	200 x 130	25 x 5	0.350
31 2456	250 x 160	25 x 5	0.350	31 2476	250 x 160	25 x 5	0.475
31 2457	300 x 180	25 x 5	0.400	31 2477	300 x 180	25 x 5	0.550
31 2458	400 x 230	30 x 6	0.575	31 2478	400 x 230	30 x 6	0.800
31 2459	500 x 280	30 x 6	0.770	31 2479	500 x 280	30 x 6	1.100
31 2460	600 x 330	30 x 6	1.000	31 2480	600 x 330	30 x 6	1.400
31 2461	750 x 375	30 x 6	1.200	31 2481	750 x 375	30 x 6	1.850
31 2462	1000 x 500	30 x 6	1.850	31 2482	1000 x 500	30 x 6	2.950
31 2464*	1500 x 750	30 x 6	2.700	31 2484*	1500 x 750	30 x 6	4.400
31 2465*	2000 x 1000	30 x 6	3.400	31 2485*	2000 x 1000	30 x 6	5.800

BLUE-LINE® Mechanic Square

- with heavy base and thin blade
- special carbon steel, fine ground
- workshop grade with chromed base, fine ground blade
- DIN quality with fine polished surfaces

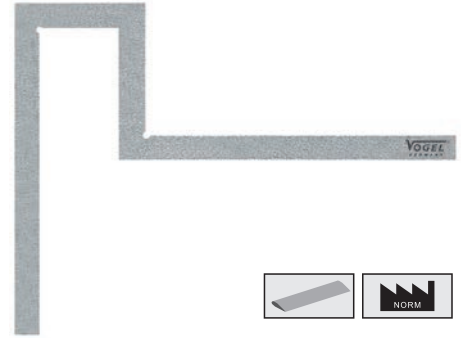
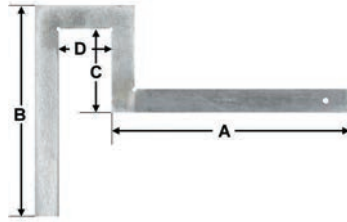
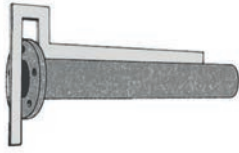


ART No workshop grade	mm	KG	ART No DIN 875/1	mm	KG	ART No DIN 875/2	mm	KG
★★★★★ 31 2370	67 x 58	0.120	★★★★★ 31 2310	75 x 50	0.120	★★★★★ 31 2350	75 x 50	0.120
★★★★★ 31 2373	118 x 73	0.165	★★★★★ 31 2313	100 x 70	0.190	★★★★★ 31 2353	100 x 70	0.190
★★★★★ 31 2374	170 x 100	0.245	★★★★★ 31 2314	150 x 100	0.340	★★★★★ 31 2354	150 x 100	0.325
★★★★★ 31 2375	220 x 115	0.290	★★★★★ 31 2315	200 x 130	0.495	★★★★★ 31 2355	200 x 130	0.545
★★★★★ 31 2376	270 x 135	0.550	★★★★★ 31 2316	250 x 160	0.670	★★★★★ 31 2356	250 x 160	0.730
★★★★★ 31 2377	320 x 150	0.630	★★★★★ 31 2317	300 x 175	0.770	★★★★★ 31 2357	300 x 175	1.025
						★★★★★ 31 2358	400 x 250	1.585
						★★★★★ 31 2359	500 x 250	2.680

Squares

★★★★★ BLUE-LINE® Flange Square

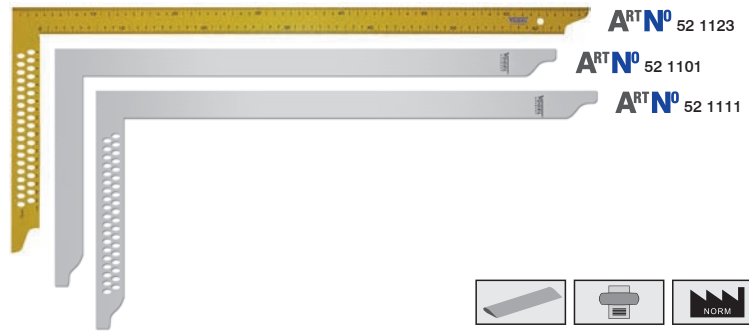
- for fitters and pipeline constructions
- to adjust the flange
- steel, galvanized finish



ART N°	mm A x B x C x D	steel blade mm	KG
31 2511	300 x 300 x 105 x 65	30 x 6	1.070
31 2512	400 x 400 x 115 x 65	30 x 6	1.370
31 2513	500 x 500 x 125 x 70	30 x 6	1.660
31 2514	600 x 500 x 125 x 70	30 x 6	1.800
31 2515	800 x 500 x 125 x 70	30 x 6	2.070
31 2516	1000 x 500 x 125 x 70	30 x 6	2.380

★★★★★ BLUE-LINE® Carpenter's Square

- stainless, spring steel
- with or without marking holes, at your choice
- art.-no. 52 1123 - 52 1126 yellow, powder coated surface, with cm-graduation and marking holes



ART N° 52 1123

ART N° 52 1101

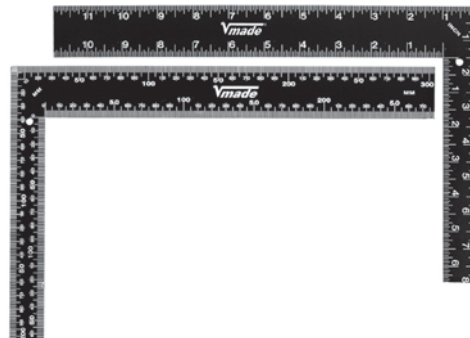
ART N° 52 1111



ART N° without marking holes	ART N° with marking holes	ART N° yellow, with marking holes	mm	steel blade mm	KG
52 1101	52 1111	-	500 x 260	35 x 1.5	0.400
52 1102	52 1112	-	600 x 280	35 x 1.5	0.450
52 1103	52 1113	52 1123	700 x 300	35 x 1.5	0.500
52 1104	52 1114	52 1124	800 x 320	35 x 1.5	0.550
52 1105	52 1115	-	900 x 360	35 x 1.5	0.600
52 1106	52 1116	52 1126	1000 x 380	35 x 1.5	0.650

★★★★★ BLUE-LINE® Carpenter's Square

- steel, black coated surface
- with printed graduation on front- and rear side



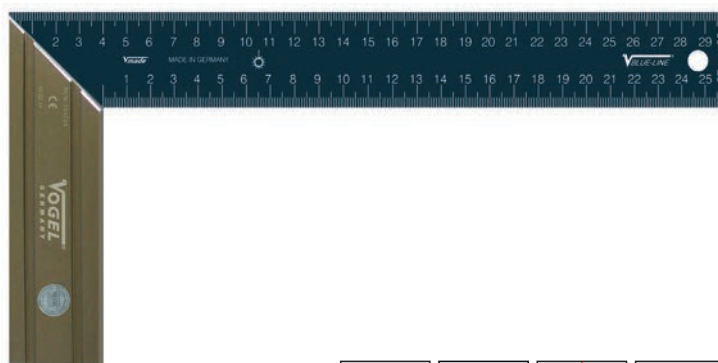
ART N° type A	mm type A	ART N° type B	mm / inch type B	mm	steel blade mm	KG
52 1201	mm - mm / mm - mm	52 1211	mm - mm / inch - inch	300 x 200	38 / 26 x 2	0.245

★★★★★ BLUE-LINE® Carpenter's Try Square

- with steel blade and elocated aluminium handle
- for general carpentry and metal work, etc.
- hardened, blue coated carbon spring steel blade
- elocated aluminium handle with profile grooves
- with 45° mitre
- graduation on front- and rear side
- laser engraved scale for clear reading

graduation at type B = mm - mm / mm - mm

graduation at type C = mm - mm / inch - inch



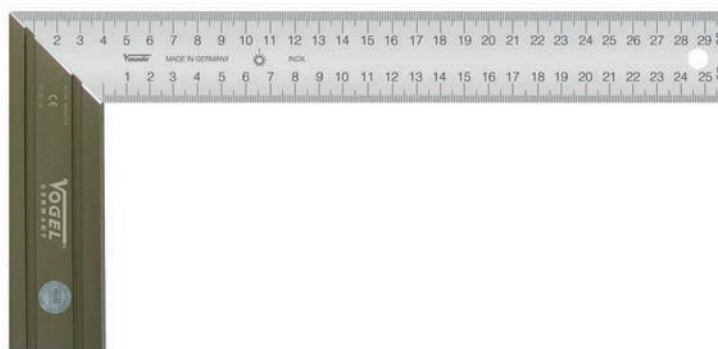
ART NO type B	mm	ART NO type C	mm / inch	length of handle mm	handle	steel blade	KG
50 4031	150	50 4051	150 / 6	130	40 x 12	40 x 1.0	0.120
50 4032	200	50 4052	200 / 8	130	40 x 12	40 x 1.0	0.180
50 4033	250	50 4053	250 / 10	145	40 x 12	40 x 1.0	0.230
50 4034	300	50 4054	300 / 12	145	40 x 12	40 x 1.0	0.250
50 4035	350	50 4055	350 / 14	145	40 x 12	40 x 1.0	0.260
50 4036	400	50 4056	400 / 16	170	40 x 12	40 x 1.0	0.270
50 4037	500	50 4057	500 / 20	170	40 x 12	40 x 1.0	0.290

★★★★★ BLUE-LINE® Carpenter's Try Square

- with stainless steel blade and elocated aluminium handle
- for general carpentry and metal work, etc.
- stainless, hardened steel blade with matt finish surface
- elocated aluminium handle with profile grooves
- with 45° mitre
- graduation on front- and rear side
- laser engraved scale for clear reading

graduation at type B = mm - mm / mm - mm

graduation at type C = mm - mm / inch - inch

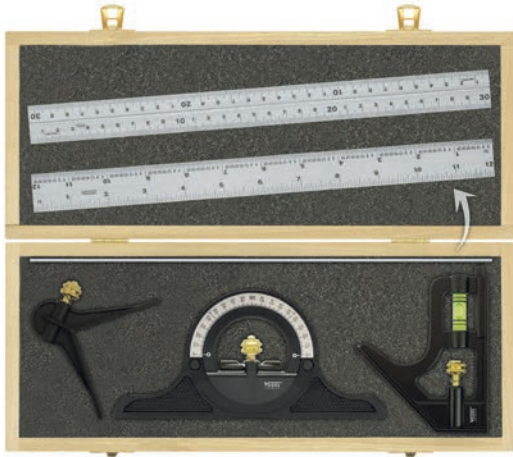


ART NO type B	mm	ART NO type C	mm / inch	length of handle mm	handle	steel blade	KG
50 4061	150	50 4071	150 / 6	130	40 x 12	40 x 1.0	0.120
50 4062	200	50 4072	200 / 8	130	40 x 12	40 x 1.0	0.180
50 4063	250	50 4073	250 / 10	145	40 x 12	40 x 1.0	0.230
50 4064	300	50 4074	300 / 12	145	40 x 12	40 x 1.0	0.250
50 4065	350	50 4075	350 / 14	145	40 x 12	40 x 1.0	0.260
50 4066	400	50 4076	400 / 16	170	40 x 12	40 x 1.0	0.270
50 4067	500	50 4077	500 / 20	170	40 x 12	40 x 1.0	0.290

Squares

★★★★★ BLUE-LINE® Combination Square-Set

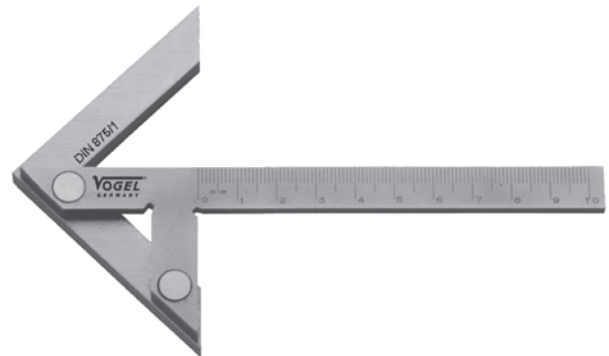
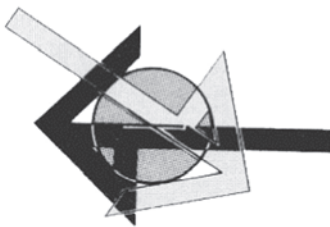
- with protractor and center head
- for carpenters, wood workers and mechanics, etc.
- stainless steel blade, etched graduation in mm/inch, double-sided
- square head, protractor and center head made from alloy casting, powder coated
- smoothly processed surfaces
- with steel scriber and vial



ART N°	mm / inch	graduation	mm	blade	KG
50 8090	300 / 12	mm-mm / 8th + 16th	110 x 90 x 17.5	25.4 x 1.8	0.545

★★★★★ BLUE-LINE® Center Square

- for marking centers on round discs and shafts
- special steel, chromed finish
- scale in matt chrom finish, with mm graduation



ART N°	mm	for shaft-ø mm	KG
31 2531	100 x 70	90	0.150
31 2532	150 x 130	190	0.450
31 2533	200 x 150	220	0.580
31 2534	250 x 160	230	0.650
31 2535	300 x 180	280	0.730
31 2536	400 x 250	380	2.400
31 2537	500 x 330	530	3.500

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★★★★★ BLUE-LINE® Bevel Square

- rugged construction
- for metalworker, fitters, locksmith, etc.
- special steel, galvanized finish
- with galvanized fixing screw for locking the steel blade



ART N°	mm	blade	handle	KG
31 2571	100	20 x 2.5	20 x 8.0	0.180
31 2572	150	20 x 2.5	20 x 8.0	0.220
31 2573	200	20 x 2.5	20 x 8.0	0.270
31 2574	250	25 x 2.5	25 x 8.0	0.410
31 2575	300	25 x 2.5	25 x 8.0	0.500
31 2576	400	25 x 2.5	25 x 8.0	0.670
31 2577	500	25 x 2.5	25 x 8.0	0.800

★★★★★ BLUE-LINE® Bevel Square

- for general carpentry and metal work, etc.
- steel blade ind carbon or stainless steel, cross section 29 x 1.6 mm
- elocated aluminium handle with profile grooves, cross section 30 x 11.5 mm
- with or without angle graduation on the handle, at your choice
- with galvanized fixing screw for locking the steel blade



ART N° w/o angle graduation, carbon steel blade	ART N° with angle graduation, carbon steel blade	ART N° w/o angle graduation, stainless steel blade	ART N° with angle graduation, stainless steel blade	mm	KG
50 4802	50 4852	50 4812	50 4862	200	0.220
50 4803	50 4853	50 4813	50 4863	250	0.250
50 4804	50 4854	50 4814	50 4864	300	0.280

★★★★★ BLUE-LINE® Mitre Square

- for standard joiners' and carpenters' purpose
- hardened and blue coated blade or stainless steel blades, matt surface
- elocated aluminium handle with profile grooves
- with 45° and 135° angular



ART N° carbon steel blade	ART N° stainless steel blade	mm	handle	steel blade	KG
50 4903	50 4913	250	40 x 12	40 x 1.0	0.225
50 4904	50 4914	300	40 x 12	40 x 1.0	0.250

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Squares

★★★★★ BLUE-LINE® Acute Angle Square 120° and 135° DIN 875/2

- stainless steel, flat or with back
- for standard machinery purpose
- edges and sides fine ground



ART NO flat 120°			ART NO CC
31 4050	50 x 50	0.050	31 94801
31 4051	75 x 75	0.075	31 94801
31 4052	100 x 100	0.140	31 94801
31 4053	125 x 125	0.170	31 94801

ART NO with back 135°			ART NO CC
31 4080	100 x 70	0.150	31 94801
31 4081	120 x 80	0.200	31 94801
31 4082	150 x 100	0.250	31 94801
31 4083	200 x 130	0.390	31 94802

★★★★★ BLUE-LINE® Acute Angle Square 120° and 135° DIN 875/2

- carbon steel, flat or with back
- for standard machinery purpose
- edges and sides fine ground



ART NO flat 120°	ART NO flat 135°			ART NO CC
31 3050	31 3060	50 x 50	0.050	31 94801
31 3051	31 3061	75 x 75	0.075	31 94801
31 3052	31 3062	100 x 100	0.140	31 94801
31 3053	31 3063	125 x 125	0.170	31 94801
31 3054	31 3064	150 x 150	0.260	31 94801
31 3055	31 3065	200 x 200	0.500	31 94802

ART NO with back 135°			ART NO CC
31 3080	100 x 70	0.150	31 94801
31 3081	120 x 80	0.200	31 94801
31 3082	150 x 100	0.250	31 94801
31 3083	200 x 130	0.390	31 94802
-	-	-	-
-	-	-	-

★★★★★ BLUE-LINE® Acute Angle Square 45° and 60° DIN 875/2

- stainless steel, flat or with back
- for standard machinery purpose
- edges and sides fine ground

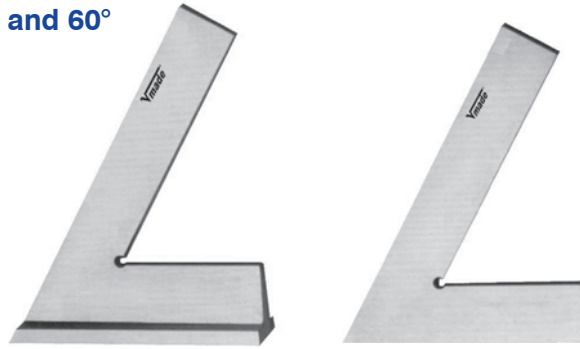


ART NO flat 45°	ART NO with back 45°	ART NO flat 60°	ART NO with back 60°			ART NO CC
31 4001	31 4021	31 4011	31 4031	100 x 70	0.120	31 94801
31 4002	31 4022	31 4012	31 4032	120 x 80	0.160	31 94801
31 4003	31 4023	31 4013	31 4033	150 x 100	0.200	31 94801
31 4004	31 4024	31 4014	31 4034	200 x 130	0.325	31 94802

Squares and Universal Bevel Protractors

★★★★★ BLUE-LINE® Acute Angle Square 45° and 60° DIN 875/2

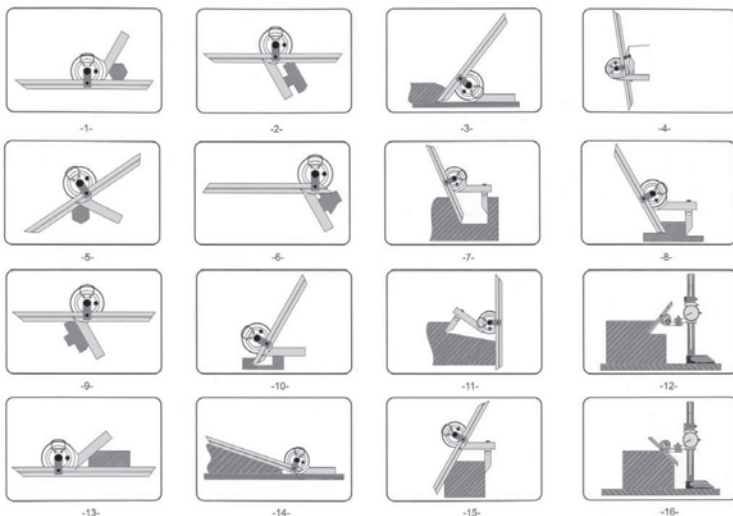
- carbon steel, flat or with back
- for standard machinery purpose
- edges and sides fine ground



ART N° flat 45°	ART N° with back 45°	ART N° flat 60°	ART N° with back 60°	mm	KG	ART N° CC
31 3001	31 3021	31 3011	31 3031	100 x 70	0.120	31 94801
31 3002	31 3022	31 3012	31 3032	120 x 80	0.160	31 94801
31 3003	31 3023	31 3013	31 3033	150 x 100	0.200	31 94801
31 3004	31 3024	31 3014	31 3034	200 x 130	0.325	31 94802

★★★★★ SILVER-LINE® Universal Protractor-Set

- with dial reading
- stainless, hardened and fine ground
- measuring faces finely ground
- multifunctional display, 0-360° rotatable
- with fine adjustment and with fixing lever
- with 3 measuring blades, 150 mm / 200 mm / 300 mm and angle attachment
- incl. operation manual



Accessories can be found
on page 207



ART N°	length of blades mm	eye icon	max. mm	KG	ART N° CC
32 0160	150 / 200 / 300	1 x 360° / 2 x 180° / 4 x 90°	5'	0.300	32 94024

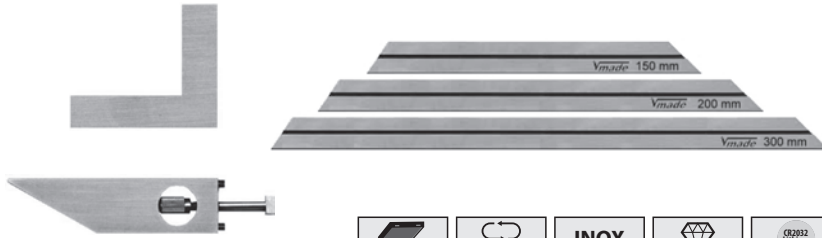
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Universal Bevel Protractors

★★★★★ DIGI PLUS-LINE® Electr. Digital Universal Bevel Protector Set

NEW

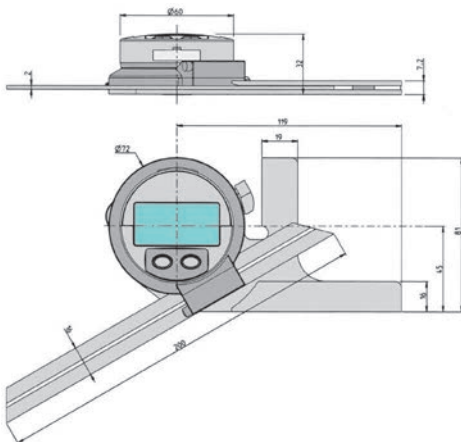
- with USB data output
- with 3 blades (150 / 200 / 300 mm), 90° square and angle stop
- stainless steel, hardened and fine ground
- rugged ABS-plastic housing, multifunctional display
- with fine adjustment for easy adjustment and fixing device for the blade
- large LCD display with clear reading, autom. power off after approx. 5 min.
- two display lines, resolution in 1. line with 0.005° and in 2. line with min. 10"
- preset to 360° / 180° / 90°, two measuring directions selectable
- On/Off button, mode-button, set-button, zero setting at any position
- operation temperature 0°C ~ +40°C, storage temperature -10°C ~ +60°C
- incl. 1x 3 V battery (type CR2032, art. no.: 20 02093), with operation manual



ART NO	length of blades mm	↔	👁️	↔ max. ↔	KG	ART NO CC
32 0100	150 / 200 / 300	360° / 2x 180° / 4x 90°	0.005° / 10"	5'	0.350	32 94022

★★★★★ DIGI PLUS-LINE® Electr. Digital Univ. Bevel Protractor • IP51

- with data output Opto RS232
- spraywater resistant acc. to DIN 40050 / IEC 60529
- base plate and rulers stainless, hardened
- robust ABS plastic housing, multi-functional display
- with fine adjustment for easy adjustment and quick clamping of the measuring rail
- large LCD display with clear reading
- resolution 1 arc minute or decimal 0.01 degree angle
- preset values in 360° / 180° / 90°, two selectable measuring directions
- On/Off button, Mode button, Set button, zero setting at any position
- operating temperature 0°C ~ +40°C, storage temperature -10°C ~ +60°C
- incl. 1x 3 V battery (type CR2032, art. no.: 20 02093), with operation manual



Accessories can be found on page 207



ART NO	length of blades mm	↔	👁️	↔ max. ↔	KG	ART NO CC
32 0150	150	360° / 2 x 180° / 4 x 90°	0.01° / 1'	2'	0.370	32 94020
32 0151	200	360° / 2 x 180° / 4 x 90°	0.01° / 1'	2'	0.375	32 94020
32 0152	300	360° / 2 x 180° / 4 x 90°	0.01° / 1'	2'	0.380	32 94020

Universal Bevel Protractors, Anglemeters

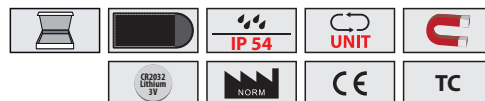


Electr. Digital Angle-Sensor „Bevel-Box“ and „Level-Box“ • IP54

- dust- and splash water proof acc. to DIN 40050 / IEC 60529
- ideal device for angle adjustment, can be used for many purposes
- rugged metal housing
- large LCD display with clear reading, digit height 10 mm
- with 3 magnetic discs in the bottom of the housing
- with On/Off-, zero- and ABS button, data hold function
- art.-no. 32 0011 added with a vial on top of the housing
- incl. 1x 3 V battery (type CR2032, art.-no.: 20 02093), and operation manual



magnetic discs



ART No	±	Resolution	max. range	mm	KG
32 0010	± 180°	0.1°	0.1°	50 x 50 x 32	0.160
32 0011	± 180°	0.1°	0.1°	50 x 63 x 32	0.180



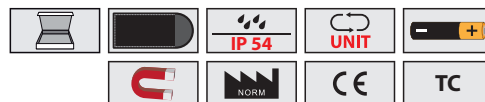
Electr. Digital Angle-Sensor with 90° swiveling LCD display • IP54

- dust- and splash water proof acc. to DIN 40050 / IEC 60529
- ideal device for angle adjustment, can be used for many purposes
- large LCD display, with clear reading, digit height 8 mm
- LCD display swivelling up to 90°, with direction indicating vial in the display
- with magnetic V-base
- On/Off button and data hold function
- incl. 2x 1.5 V batteries (type AAA, art.-no.: 60 9283), operation manual



magnetic V-base

swivelling display



ART No	±	Resolution	max. range	mm	KG
32 0015	± 180°	0.1°	0.1°	55 x 57 x 32	0.130



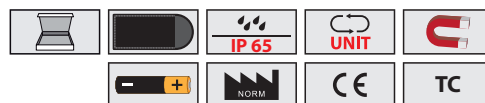
Electr. Digital Protractor • IP65

- water- and coolant proof acc. to DIN 40050 / IEC 60529
- ideal device for precise leveling and measuring of flatness and squareness, can be used for many purposes
- sturdy housing with aluminium V-prism at top and bottom side
- art.-no. 32 0016 additionally with magnetic discs in the V-bottom
- large LCD display, with clear reading, digit height 9 mm
- with acoustic signal and backlight
- autom. 180° rotating display, by turning up-side down
- with data hold function, ABS system, with easy to handle self calibration
- On/Off- and zero button, zero setting at any position
- incl. 2x 1.5 V battery (type AAA, art.-no.: 60 9283), with operation manual



ART No 32 0016

magnetic base



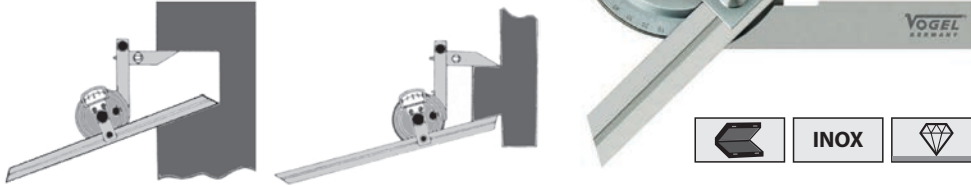
ART No	±	Resolution	max. range	mm	Magnet	KG
32 0013	4 x 90° (0-360°)	0.05°	± 0.15°	150 x 35 x 54	X	0.280
32 0016	4 x 90° (0-360°)	0.05°	± 0.15°	150 x 35 x 54	✓	0.295




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Universal Bevel Protractors and Protractors

SILVER-LINE Universal Bevel Protractor

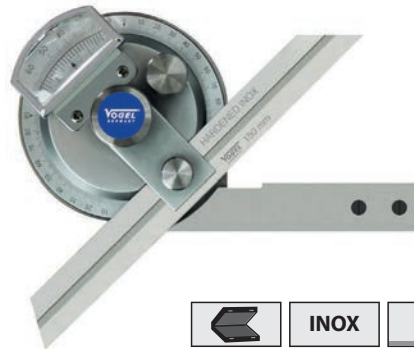
- top quality, for calibration purpose
- stainless, hardened and fine ground
- scales matt chrome finish
- parallaxfree reading by vernier, with large magnifying lens
- with fine adjustment






ART N°	length of blades mm		angle graduation		
32 0121	150	4 x 90°	1/12° = 5'	0.710	32 94021
32 0122	200	4 x 90°	1/12° = 5'	0.725	32 94021
32 0123	300	4 x 90°	1/12° = 5'	0.755	32 94021
32 0124	500	4 x 90°	1/12° = 5'	0.790	32 94021

BLUE-LINE Universal Bevel Protractor Set

- set with 3 blades in different length
- stainless, hardened and fine ground
- scales matt chrome finish
- parallaxfree reading by vernier, with large magnifying lens
- with fine adjustment



ART N°	length of blades mm		angle graduation	packing		
32 1220	150 / 200 / 300 mm	4 x 90°	1/12° = 5'	wooden box	0.765	32 94023
32 1220/K	150 / 200 / 300 mm	4 x 90°	1/12° = 5'	plastic box	0.420	32 94023

BLUE-LINE Protractor (Skew Measure)

- for standard mechanical engineering
- special steel, in chromed finish
- scale in matt chrom finish
- with adjustable blade, with fixing screw









Accessories can be found on page 207

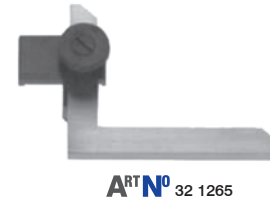
ART N°	length of blades mm	arc-ø mm	angle graduation		
32 0571	150	100	10 - 170°	0.065	32 94511
32 0572	300	150	10 - 170°	0.125	32 94512
32 0573	400	200	10 - 170°	0.180	32 94513
32 0574	500	250	10 - 170°	0.350	32 94514
32 0575	600	300	10 - 170°	0.550	32 94515

Accessories and Spare Parts for Universal Protractors

Spare Parts for Electr. Digital Universal Protractors

art.-no. 32 0150 - 32 0152

ART N°	 spare blade	ART N°	 spare blade
32 1250	150	32 1252	300
32 1251	200	32 1254	500
ART N°	angle stop		
32 1265		75/60 x 11 x 6,2	
ART N°	stand with prismatic base		
32 1266		92 x 24,6 x 24,5	
ART N°	data cable Opto RS232 duplex		
20 02090		~ 2,000	
ART N°	battery 3 V CR 2032		
20 02093		Ø 20 x 3	









ART N° 20 02090

ART N° 20 02093

Spare Parts for Electr. Digital Universal Protractors

art.-no. 32 0100

ART N°	 spare blade		
32 0101	150		
32 0102	200		
32 0103	300		
ART N°	90° angled adjustment		
32 1275		60 x 50 / 15 x 4	0.040
ART N°	angle stop		
32 1276		70/40 x 18 x 4	0.030
ART N°	battery 3 V CR 2032		
20 02093		Ø 20 x 3	
ART N°	USB - Mini-USB (with data key)		
24 20192			

ART N° 32 0101

ART N° 32 0102

ART N° 32 0103



ART N° 20 02093



ART N° 32 1275



ART N° 32 1276









ART N° 24 20192



Spare Parts for Universal Protractors

art.-no. 32 0121 - 32 0124 and art.-no. 32 1220

ART N°	 spare blade		
32 1225	150	0.030	
32 1226	200	0.045	
32 1227	300	0.070	
32 1229	500	0.140	
ART N°	magnifying glass, w/o screws		
32 1228		37 x 22	0.015
ART N°	angle stop		
32 1230		68 x 38 / 18 x 4	0.030



ART N° 32 1228



ART N° 32 1230

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Protractors

★★★★★ BLUE-LINE® Protractor

- with fixing screw
- for standard mechanical engineering
- special steel, in chromed finish
- scale in matt chrom finish, laser engraved scale



ART N°	length of blades mm	arc-ø mm			ART N° CC
32 2511	120	80	0 - 180	0.085	32 94511
32 2512	150	120	0 - 180	0.125	32 94512
32 2513	200	150	0 - 180	0.180	32 94513
32 2514	300	200	0 - 180	0.350	32 94514
32 2515	500	300	0 - 180	0.550	32 94515
32 2516	600	300	0 - 180	0.675	32 94516

★★★★★ DIGI PLUS-LINE® Electr. Digital Bevel Protractor

NEW

- for high precision accuracy and safety reading
- LCD display with clear reading, digit height 10 mm
- stainless, hardened and fine ground
- On/Off button, with fixing screw
- zero setting at any position, with data hold function
- reading of values in display by 180° switchable
- incl. 1x 3 V battery (type CR2032, art. no.: 20 02093), with operation manual



ART N° 32 0201

ART N° 32 0202 - 32 0203



ART N°	length of blades mm	arc-ø mm					CC
32 0201	150	120	0 - 180	0.05	0.3	0.260	inclusive
32 0202	200	150	0 - 180	0.05	0.3	0.310	inclusive
32 0203	300	200	0 - 180	0.05	0.3	0.450	inclusive

★★★★★ DIGI PLUS-LINE® Electr. Digital Protractor

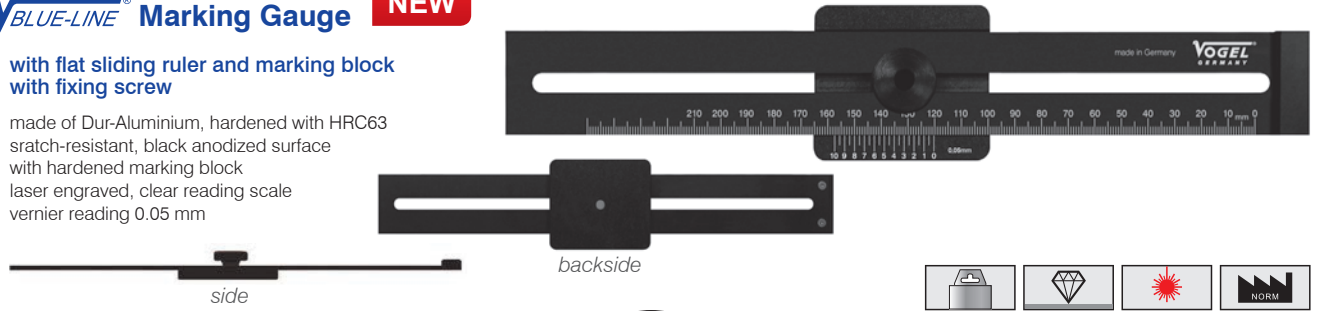
- for checking and transferring angles
- large LCD display with clear reading, digit height 10 mm
- blades in anodized aluminium with profile grooves, and embedded magnet strips
- On/Off button and data hold function, with fixing screw
- 180° rotating display, by pressing function button
- zero setting at any position
- incl. 1x 3 V battery (type CR2032, art.-no.: 20 02093), operation manual



ART N°				length of blades mm			ART N° CC
32 0021	0 - 360	0.05	0.2	200 x 200	205 x 45 x 30	0.290	32 94020
32 0022	0 - 360	0.05	0.2	300 x 300	305 x 45 x 30	0.415	32 94020

★★★★★ BLUE-LINE® Marking Gauge **NEW**

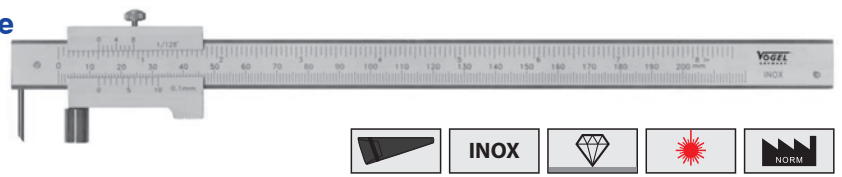
- with flat sliding ruler and marking block
- with fixing screw
- made of Dur-Aluminium, hardened with HRC63
- scratch-resistant, black anodized surface
- with hardened marking block
- laser engraved, clear reading scale
- vernier reading 0.05 mm



ART NO	mm	mm	mm	KG
33 6230	200	0.05	298 x 60 x 16	0.195
33 6231	250	0.05	348 x 60 x 16	0.210
33 6233	300	0.05	400 x 60 x 16	0.225

★★★★★ BLUE-LINE® Universal Marking Gauge

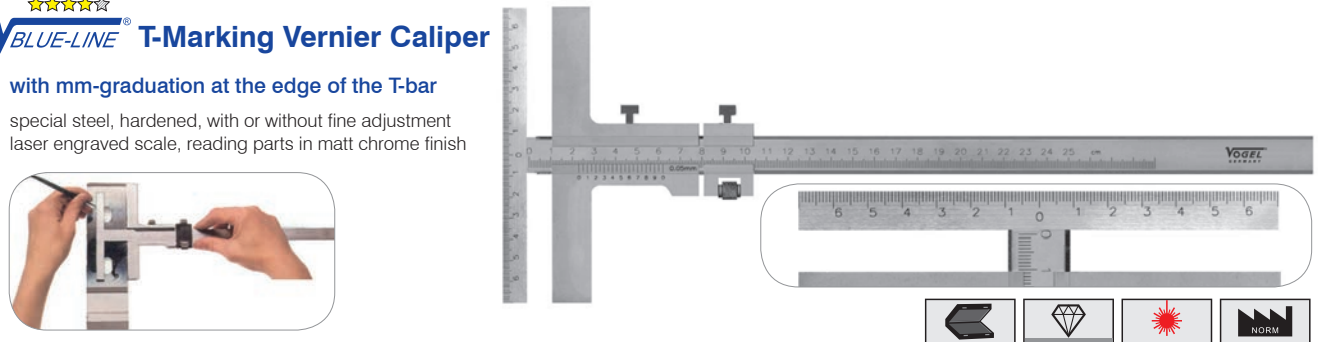
- with contact-roll
- carbide scriber, exchangeable
- stainless steel, hardened
- laser engraved scale, reading parts in matt chrome finish
- incl. a second carbide scriber, as spare part



ART NO	mm	mm	KG	ART NO carbide scriber (spare part)
33 5070	200	0.1	0.175	33 5072
33 5071	400	0.1	0.320	33 5072

★★★★★ BLUE-LINE® T-Marking Vernier Caliper

- with mm-graduation at the edge of the T-bar
- special steel, hardened, with or without fine adjustment
- laser engraved scale, reading parts in matt chrome finish



ART NO	mm	mm	length of T-bar mm	KG
33 7301	160	0.05	100	0.280
33 7302	250	0.05	140	0.350
33 7303	300	0.05	160	0.480
33 7305	500	0.05	160	0.670

★★★★★ BLUE-LINE® Protractor

- with fixing screw
- with half round plate
- special steel, chromed
- scale matt chrome finish
- double graduation from 0-180° in opposite direction



ART NO	length of blades mm	arc-ø mm	°	KG	ART NO CC
32 2541	150	80	0 - 180	0.075	32 94511

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Etching Pen and Steel Scribers

★★★★★ BLUE-LINE® Metal Etching Pen

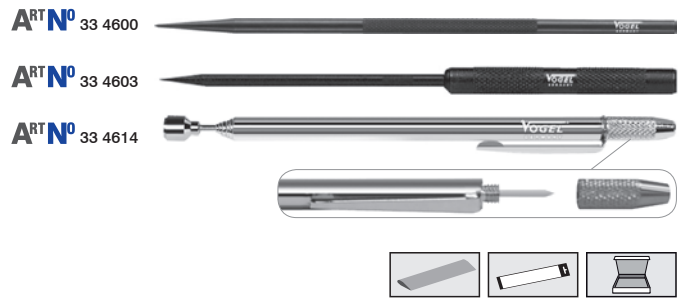
- for markings on metal and aluminium
- with exchangeable ink tank
- chemical and thermal resistant
- package contents 1 pen holder and 2 cartridges



ART N° for metal (green liquid) 33 4501	ART N° for aluminium (light blue liquid) 33 4502	ART N° for tool steel (blue liquid) 33 4503	KG 0.10
ART N° spare part ink tank for metal (green liquid) 33 4591	ART N° spare part ink tank for aluminium (light blue liquid) 33 4592	ART N° spare part ink tank for tool steel (blue liquid) 33 4593	

BLUE-LINE® Steel Scriber

- with hardened tips
- made from special steel



ART N°	mm	scriber-ø mm	version	packing version		KG
★★★★★ 33 4600	180	5	straight bar, knurled handle	✓	-	0.030
★★★★★ 33 4602	230	4	straight and cranked bar, with plastic handle	✓	-	0.048
★★★★★ 33 4603	175	4	straight bar, exchangeable tip, knurled handle	✓	-	0.030
★★★★★ 33 4604	250	4	straight and cranked bar, exchangeable tips, knurled handle	✓	-	0.060
★★★★★ 33 4614	143	7	telescopic rod, with marking tip and magnetic lifter	-	✓	0.025
33 4691	90	4	spare tip, straight (for art.-no. 33 4604)	✓	-	0.010
33 4692	100	4	spare tip, cranked (for art.-no. 33 4604)	✓	-	0.012

BLUE-LINE® Steel Scriber

- with carbide tips



ART N°	mm	shaft-ø mm	version	packing version		KG
★★★★★ 33 4606	175	14	straight bar, with red plastic handle	-	✓	0.022
★★★★★ 33 4608	150	6	hexagonal bar, galvanized, with clip	-	✓	0.040
★★★★★ 33 4609	180	8	hexagonal bar, galvanized, without clip	✓	-	0.050
★★★★★ 33 4610	150	8	hexagonal, aluminium shaft, lacquered, with drop mechanic	-	✓	0.030
33 4695	35	-	spare tip, carbide, for 33 4610	✓	-	0.006
★★★★★ 33 4611	150	10	„RICO“-Marker, aluminium shaft, knurled handle, pen type	-	✓	0.030
33 4694	70	-	spare tip, carbide, for 33 4611	-	✓	0.010
★★★★★ 33 4612	230	4	straight and cranked bar, exchangeable tips, knurled handle	✓	-	0.060
★★★★★ 33 4615	150	10	carbide marker, push technic, with clip	-	✓	0.010
33 4690	30	-	spare tip, carbide, straight version, for 33 4615	✓	-	0.003
33 4696	90	-	spare tip, carbide, straight version, for 33 4612	✓	-	0.010
33 4697	100	-	spare tip, carbide, cranked version, for 33 4612	✓	-	0.012

Marking Gauges, Parallels, Prism-Pairs and Angle Prisms

★★★★★ BLUE-LINE® Marking Gauge

- with round bar
- chromed bar and scale, with 0.1 mm vernier reading
- with round contact plate, with fixing screw
- with or without fine adjustment, at your choice
- with exchangeable, hardened marking needle



ART NO	ART NO	mm	mm	KG	ART NO spare needle
33 5030	33 5031	300	0.1	0.500	33 5066
33 5050	33 5051	500	0.1	0.700	33 5066

★★★★★ BLUE-LINE® Parallel V-Block Pairs

- made of dense special cast iron with high resistance to wear
- supplied in matched pair
- 4 different large grooves, 90°
- available in milled or ground version

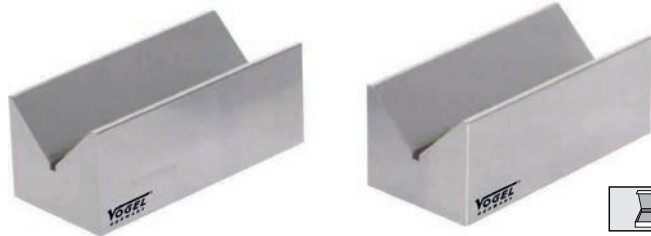


grade 0 = ground parallelism tolerance = ± 0.008 mm
 grade 1 = ground parallelism tolerance = ± 0.016 mm
 grade 3 = milled parallelism tolerance = ± 0.064 mm

ART NO grade 0	ART NO grade 1	ART NO grade 3	mm	for shaft-ø mm	KG
33 3511	33 3501	33 3531	60 x 120 x 100	8 - 90	6.000
33 3512	33 3502	33 3532	75 x 150 x 130	10 - 120	12.000
33 3513	33 3503	33 3533	90 x 200 x 170	12 - 180	25.000

★★★★★ BLUE-LINE® Prism Pair

- made of dense special cast iron with high resistance to wear
- supplied in matched pair
- with 1 large cut, 90°
- available in milled or ground version

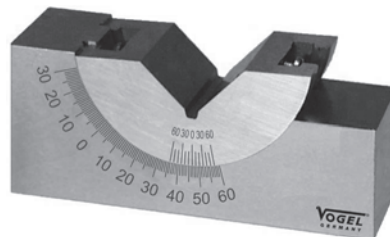


grade 0 = ground parallelism tolerance = ± 0.008 mm
 grade 1 = ground parallelism tolerance = ± 0.016 mm
 grade 3 = milled parallelism tolerance = ± 0.064 mm

ART NO grade 0	ART NO grade 1	ART NO grade 3	mm	for shaft-ø mm	KG
33 3101	33 3201	33 3301	100 x 40 x 30	6 - 40	2.000
33 3102	33 3202	33 3302	150 x 50 x 40	8 - 50	4.000
33 3103	33 3203	33 3303	200 x 70 x 50	8 - 70	8.000
33 3104	33 3204	33 3304	250 x 85 x 60	12 - 85	13.000
33 3105	33 3205	33 3305	300 x 100 x 70	12 - 100	18.000

★★★★★ BLUE-LINE® Adjustable Angle Prism

- adjustable
- special steel, hardened, fine ground
- prism cut 90°, angle scaling 0-60°



ART NO	mm	parallelism tolerance ±mm	for shaft-ø mm	KG
33 4001	75 x 25 x 32/23	0.05	28	0.500
33 4002	102 x 30 x 48/29	0.05	40	1.000
33 4003	102 x 46 x 48/29	0.05	40	1.400

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Prisms and V-Blocks

★★★★★ BLUE-LINE® Magnetic Square and V-Block

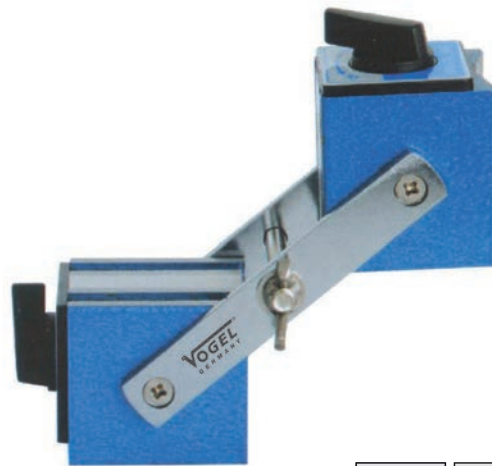
- with 2x 90° V-cut
- 3 magnetic surfaces, powerful and switchable
- special steel, hardened, fine ground
- with On/Off-switch from metal



ART N°	mm	for shaft- \varnothing mm	parallelism tolerance \pm mm / 100 mm	rectangularity \pm mm / 100 mm	prism N	surface N	KG
33 1020	100 x 100 x 100	\varnothing 6 - 16	0.015	0.025	250	390	7.500

★★★★★ BLUE-LINE® Magnetic Joint Prism

- with 2 magnetic blocks
- each block with 1x 90° V-cut and with flat clamping surface
- special steel, hardened, prism and clamping surface fine ground
- with On/Off-switch
- joint with locking screw can be clamped in any position



ART N°	mm	for each prism N	KG
33 2020	58 x 50 x 55	600	2.300

Explore our website!



Any questions?
We are pleased to advise!

SILVER-LINE® Magnetic Measuring and Clamping V-Block

• especially engineered for toolmakers etc.

- made of special steel or hardened steel
- with V-cut 90°, finely ground
- strong magnetic block
- with On/Off-rotary switch from aluminium
- magnetic base with finely ground prism plane, parallel and squared machined

Option

- wooden boxes available, by extra charge, see page 213



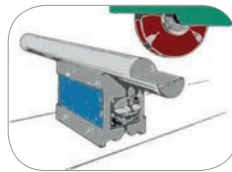
ART N° steel	ART N° hardened	mm	for shaft- ϕ mm	parallelism tolerance \pm mm	prism N	surface N	KG	ART N° CC
33 0100	33 0102	80 x 67 x 96	ϕ 6 - 66	0.004	400	900	2.900	33 94100
33 0101	33 0103	100 x 70 x 96	ϕ 6 - 72	0.004	650	1800	4.000	33 94101
in pair, adjusted and marked								
33 0110	33 0112	80 x 67 x 96	ϕ 6 - 66	0.004	400	900	5.800	33 94110
33 0111	33 0113	100 x 70 x 96	ϕ 6 - 72	0.004	650	1800	8.000	33 94111

BLUE-LINE® Magnetic Measuring and Clamping V-Block

- special steel made
- with On/Off switch
- art.-no. 33 1000 - 33 1002 with flat magnetic base
- art.-no. 33 1010 - 33 1012 with magnetic prism base
- with V-cut 90°, fine ground
- plane, parallel and squared machined



ART N° 33 1010 + 33 1011



ART N° 33 1002



ART N° 33 1012

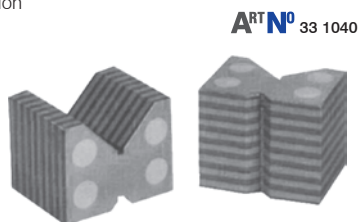


ART N° steel	mm	for shaft- ϕ mm	parallelism tolerance \pm mm	N	flat base	prism base	KG
33 1000	101 x 76 x 78	ϕ 6 - 40	0.05	700	✓	-	3.100
33 1001	127 x 60 x 73	ϕ 6 - 35	0.05	600	✓	-	3.000
33 1002	70 x 60 x 73	ϕ 6 - 30	0.05	700	✓	-	1.400
33 1010	80 x 70 x 95	ϕ 6 - 30	0.05	800	-	✓	3.200
33 1011	101 x 67 x 95	ϕ 6 - 70	0.05	1000	-	✓	3.800
33 1012	115 x 75 x 100	ϕ 6 - 70	0.05	800	-	✓	5.500

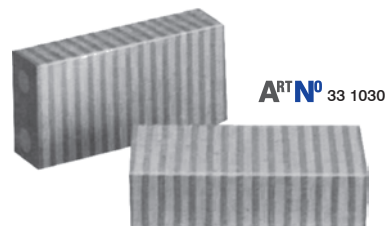
BLUE-LINE® Lamellar Block / Prism Lamellar Block

• for setting on magnetic holding plates

- special steel, fine ground
- with 90° cut or in flat version
- with pole distance 4 mm



ART N° 33 1040



ART N° 33 1030

ART N° 33 1041



ART N° flat	mm	KG	ART N° with V-cut	mm	KG
33 1030	100 x 50 x 25	1.230	33 1040	50 x 60 x 48	1.225
-	-	-	33 1041	100 x 60 x 48	1.320

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★★★★★ BLUE-LINE® V-Block with Clamp

- for clamping cylindrical pieces
- special steel, hardened, fine ground
- 2 different deep 90° V-cuts
- 2 supporting surfaces
- singly and in pair adjusted available



ART NO singly	ART NO pair	mm	clamping range for ø mm	max. ± mm / 100 mm	KG singly	KG pair
33 3001	33 3011	45 x 40 x 35	5 - 20	0.01	0.385	0.670
33 3002	33 3012	70 x 45 x 40	5 - 25	0.01	0.720	1.440

★★★★★ BLUE-LINE® V-Block Pair with Clamps

- for clamping cylindrical pieces and marking purposes, etc.
- special steel, hardened or stainless steel hardened
- 2 different deep 90° V-cuts, surfaces finely ground
- front faces angular ground in regard to base area, adjusted in pairs

Option

- wooden boxes available, by extra charge, see page 215

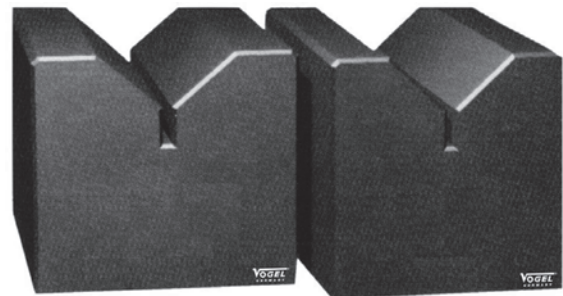


ART NO special steel pair	ART NO stainless steel pair	mm	clamping range for ø mm	max. ± mm / 100 mm	KG pair
33 3041	-	50 x 40 x 50	5 - 30	0.01	1.200
33 3042	-	75 x 55 x 55	5 - 50	0.01	2.800
33 3043	-	100 x 75 x 75	7 - 70	0.01	8.000
33 3051	33 3056	50 x 40 x 40	5 - 30	0.004	1.200
33 3052	33 3057	75 x 55 x 55	5 - 50	0.004	2.800
33 3053	33 3058	100 x 75 x 75	7 - 70	0.004	8.000

★★★★★ SILVER-LINE® Vee Block Pair

- made of granite
- for storing cylindrical pieces for marking etc.
- adjusted in pairs

- particularly well selected material of highest quality
- with V-cut 90°, finely ground
- side- and front-faces angular ground in regard to base area
- incl. calibration certificate



ART NO pair	mm	supporting range for ø mm	max. ± mm / 100 mm	KG pair	CC
33 0510	63 x 63 x 63	ø 5 - 30	0.0015	1.490	inclusive
33 0511	100 x 100 x 100	ø 5 - 50	0.0020	5.870	inclusive
33 0512	160 x 160 x 160	ø 5 - 70	0.0025	23.800	inclusive

Replacement Clamp for Prisms

- singly packed

ART N°	suitable for	KG
33 30901	33 3001 + 33 3011	0.073
33 30902	33 3002 + 33 3012	0.127
33 30941	33 3041 + 33 3051	0.115
33 30942	33 3042 + 33 3052	0.222
33 30943	33 3043 + 33 3053	0.364



Wooden Boxes for Prisms

- singly packed

ART N°	suitable for	KG
33 99051	33 3051	0.290
33 99052	33 3052	0.340
33 99053	33 3053	0.420
33 99041	33 3041	0.290
33 99042	33 3042	0.340
33 99043	33 3043	0.420
33 99100	33 0102 + 33 0112	0.520
33 99101	33 0103 + 33 0113	0.520



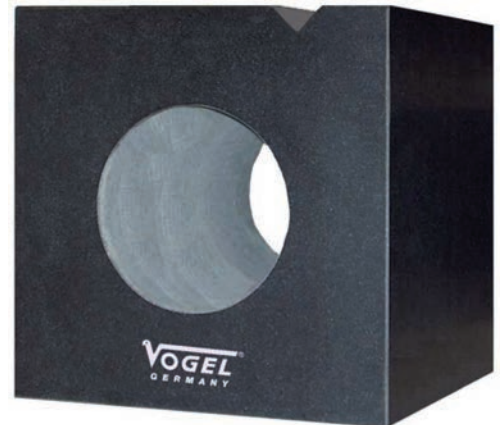
SILVER-LINE® Granite Square Block

- accuracy grade 00
- with V-cut 90° (without measuring stand, without dial indicator)
- to use as measuring table for measurements and marking purposes
- particularly well selected material of highest quality
- with V-cut 90°, finely ground
- side- and front faces angular ground in regard to base area
- with thread insert M10
- incl. calibration certificate

measuring stands see pages 161-162
dial indicators see on pages 126-138



example



ART N°	mm	rectangularity ± mm	evenness ± mm	parallelism ± mm	KG	CC
33 0611*	150 x 150 x 150	0.004	0.0017	0.004	33.000	inclusive
33 0614*	300 x 300 x 300	0.0052	0.0023	0.0055	66.500	inclusive

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Digital Height and Marking Gauges

DIGI PLUS-LINE® Electronic Digital Height and Marking Gauge • IP54

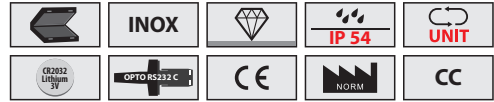
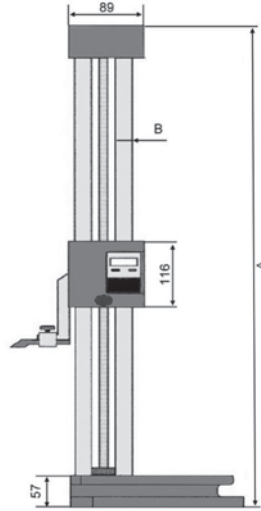
- with two round columns and with fast manual movement
- with data output Opto RS232

- stainless steel columns, hardened and fine ground
- with button for fast manual movement and with wheel for fine adjustment
- LCD display with clear reading, mm/inch switchable
- On/Off button, zero-setting at any position
- at zero-position the scriber coincides exactly with the base
- HOLD- and PRESET function
- max. sliding speed 1.5 m/sec.
- carbide tipped steel scriber, exchangeable
- sturdy base, cast iron made, lacquered
- incl. 1x 3 V battery (type CR2032, art.-no.: 20 02093), with operation manual
- incl. calibration certificate

Options

- art.-no. 34 0995 carbide scriber
- art.-no. 34 0998 clamp holder for dial indicators

Accessories can be found on page 221



ART NO	mm / inch	mm / inch	mm	max. mm	rectangularity mm	A	B	KG	CC
34 0423	300 / 12	0.01 / 0.0005"	0.01	0.03	0.06	558	Ø 16	5.500	inclusive
34 0426	600 / 24	0.01 / 0.0005"	0.01	0.03	0.06	858	Ø 20	9.000	inclusive
34 0429	1000 / 40	0.01 / 0.0005"	0.01	0.04	0.08	1058	Ø 20	13.000	inclusive

DIGI PLUS-LINE® Electronic Digital Height and Marking Gauge

- stainless steel guideway
- with handwheel for quick adjustment and fine adjustment
- LCD display with clear reading, reading mm / inch switchable
- On/Off switch, zero-setting at any position
- Preset-function, max. sliding speed 1.5 m/sec.
- carbide tipped steel scriber, exchangeable
- at zero-position the drawing point coincides exactly with the base
- sturdy base, cast iron made, lacquered
- incl. 1x 1.5 V battery (type LR44, Art.-Nr.: 20 20192/B), with operation manual

Accessories can be found on page 221



ART NO	mm / inch	mm / inch	mm	max. mm	KG	ART NO CC
34 1203	300 / 12	0.01 / 0.0005"	0.02	0.05	5.630	34 94010
34 1206	600 / 24	0.01 / 0.0005"	0.02	0.06	8.250	34 94011



Electronic Digital Height and Marking Gauge

NEW

- with „ABSOLUT“ system
- with USB data output, top model (connectivity also for Digimatic measuring devices)
- stainless steel guideway, with fine adjustment
- LCD with clear figures
- On/Off switch, zero-setting at any position
- reading switchable mm / inch
- data-hold, Preset function ±
- max. slidingspeed 1.5 m/sec.
- carbide tipped drawing point, interchangeable
- at „0“-position the drawing point coincides exactly with the base
- base made of stable cast iron, grey lacquered
- with battery 3 V (type CR 2032, art.-no.: 20 02093), with operation manual

Accessories can be found on page 221



ART NO	mm / inch	mm / inch	mm	max. mm	guide bar mm	size of base mm	KG	ART NO CC
34 0403	300 / 12	0.01 / 0.0005"	0.02	0.03	20 x 6	140 x 90 x 45	2.750	34 94010



Electronic Digital Height and Marking Gauge

- with data output RS232 C
- stainless steel guideway, with fine adjustment
- LCD display with clear reading
- On/Off switch, zero-setting at any position
- reading switchable mm/inch
- Data-Hold, Preset function
- max. slidingspeed 1.5 m/sec.
- carbide tipped steel scriber, exchangeable
- at zero-position the scriber coincides exactly with the base
- sturdy base, cast iron made, lacquered
- incl. 1x 1.5 V battery (type LR44, art.-no.: 20 20192/B), with operation manual
- art. no. 34 1103 is packed in a sturdy carrying case
- art. no. 34 1105 + 34 1109 is packed in a wooden case

Accessories can be found on page 221



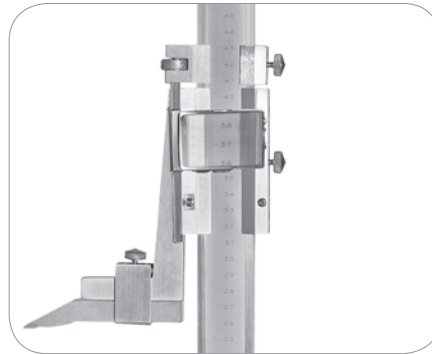
ART NO	mm / inch	mm / inch	max. mm	guide bar mm	size of base mm	KG	ART NO CC
34 1103	300 / 12	0.01 / 0.0005	0.04	23 x 6	137 x 88 x 44	1.970	34 94010
34 1105	500 / 20	0.01 / 0.0005	0.05	31 x 10	178 x 117 x 53	3.665	34 94011
34 1109	1000 / 40	0.01 / 0.0005	0.07	50 x 17	250 x 150 x 73	12.330	34 94012





Height and Marking Gauges

★★★★★ BLUE-LINE® Universal Height and Marking Gauge

- with magnifying glass
- for standard workshop purposes
- special steel, chromed
- with adjustable guide bar
- reading parts matt chrome finish
- with fine adjustment, monoblock vernier
- carbide tipped steel scriber, exchangeable
- at zero-position the scriber coincides exactly with the base
- sturdy base, cast iron made, lacquered

Accessories can be found on page 221

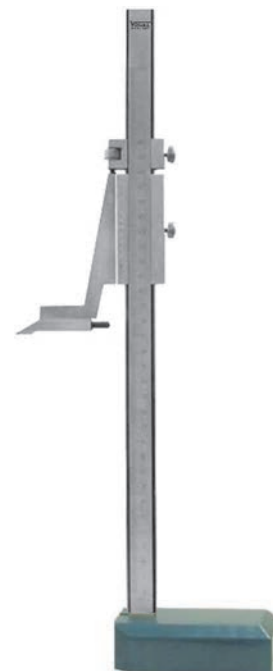
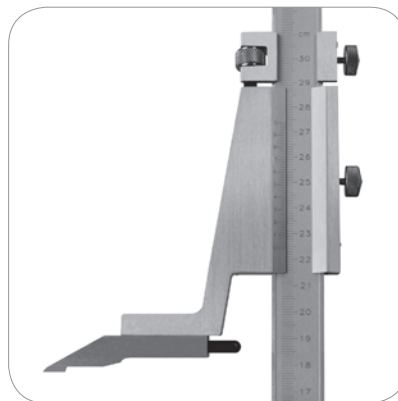






ART NO	 mm	 mm	 mm	guide bar mm	size of base mm		ART NO CC
34 1113	300	0.02	0.04	20 x 6	110 x 65 x 32	1.900	34 94110
34 1116	500	0.02	0.05	35 x 12	170 x 110 x 50	5.070	34 94111
34 1119	1000	0.02	0.07	35 x 12	220 x 150 x 55	10.485	34 94112

★★★★★ BLUE-LINE® Universal Height and Marking Gauge

- for standard workshop purposes
- special steel
- reading parts matt chrome finish
- with fine adjustment
- carbide tipped steel scriber, exchangeable
- at zero-position the scriber coincides exactly with the base
- sturdy base, cast iron made, lacquered

Accessories can be found on page 221








ART NO	 mm	 mm	 mm	guide bar mm	size of base mm		ART NO CC
34 1110	300	0.02	0.04	20 x 6	110 x 65 x 32	2.210	34 94110
34 1111	500	0.02	0.05	28 x 8	150 x 110 x 50	5.030	34 94111

BLUE-LINE® Universal Height and Marking Gauge

- with dial indicator and digital counter
- for standard workshop purposes, etc.
- with double digital counter for up and down
- zero-setting at any position, 1 revolution means 1.0 mm
- with rotating scale, handwheel for quick adjustment
- at zero-position the scribe coincides exactly with the base
- carbide tipped steel scriber, exchangeable
- chromed columns and housing
- sturdy base, cast iron made, lacquered

Accessories can be found on page 221



ART NO	 mm	 mm	 mm	guide bar ø mm	size of base mm	 KG	
34 0303	300	0.01	0.04	15	135 x 45	4.000	34 94110
34 0306	600	0.01	0.06	20	180 x 55	8.600	34 94111
34 0309	1000	0.01	0.07	20 / 3 columns	265 x 70	30.000	34 94112

Special brochures for special target groups

Our new short brochures are selections of measuring tools for clear defined trade tasks like the automotive one and the metal working one, etc.





www.vogel-germany.de

Surface Gauges and Accessories

Parallel Surface Gauge

- for simple workshop purposes
- round, chromed column, without graduation
- hardened steel scriber, straight and cranked bar
- scriber is rotatable and turnable
- round and lacquered iron base



ART ^{NO}	 mm	 KG
34 2102	300	0.650
34 2104	500	2.400

Explore our website!

On our website you will find many features and informations, which make cooperation with us very well. For more dealer information, ask for your personal access code to our login area!

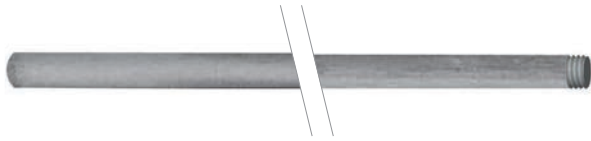
Our **Vmade**-team is happy to help.



Any questions?
We are pleased to advise!

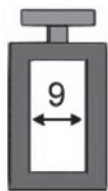
Spare parts

- base / column / marking-needle with clamping
- for parallel marking gauges series 34 2102 - 34 2106

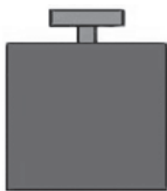


suitable for ART N°	ART N° base	\rightarrow \leftarrow ø mm	ART N° column	\rightarrow \leftarrow ø x length mm	ART N° marking-needle with clamping	\rightarrow \leftarrow ø x length mm
34 2102	34 21021	80	34 21022	10 x 300	34 21023	5 x 150
34 2104	34 21041	80	34 21042	10 x 500	34 21043	5 x 150

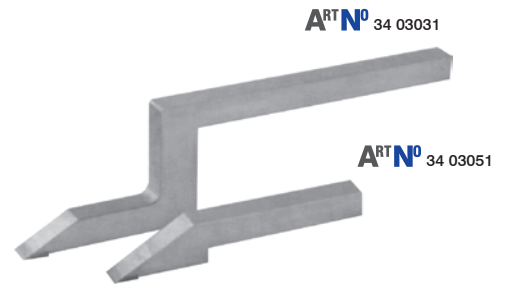
Spare drawing points for Height and Marking Gauges



clamp holder



magnifying glass
incl. frame



drawing points



holder for dial indicator



suitable for ART N°	ART N° carbide steel scraper	\rightarrow \leftarrow	ART N° clamp holder + screw	\rightarrow \leftarrow internal size	ART N° holder f. dial ind.	\rightarrow \leftarrow
34 1103	34 11031	75 x 8 x 6	34 11032	18.2 x 6.1	34 11033	75 x 8 x 6
34 1105	34 11051	100 x 12 x 10	34 11052	24.2 x 10.1	34 11053	95 x 12 x 10
34 1109	34 11091	110 x 15 x 10	34 11092	30.2 x 10.2	34 11093	95 x 15 x 10
34 1110 / 34 1111	34 11101	60 x 10 x 9	-	-	-	-
34 1116 / 34 1119	34 11111	100 x 14 x 11	34 11112	29.1 x 11.4	-	-
34 1113	34 11131	80 x 11 x 9	34 11132	22.5 x 9.3	-	-
34 1113	-	160 x 11 x 9	34 1113/2	22.5 x 9.3	-	-
34 1203	34 12031	80 x 10 x 12	34 12032	34.5 x 10.2	34 12033	95 x 12 x 10
34 0305 / 34 0309	34 03031	80 x 9 x 9	34 03032	18.6 x 9.1	-	-
34 0303	34 03051	77 x 9 x 9	34 03052	21.1 x 9.1	-	-

suitable for ART N°	ART N° magnifying glass	\rightarrow \leftarrow magnifying glass	suitable for ART N°	ART N° magnifying glass	\rightarrow \leftarrow magnifying glass
34 1113	34 1181	43 x 31 x 8	34 1116 / 34 1119	34 1182	51.5 x 35 x 7.2

Parallel Gauge Blocks

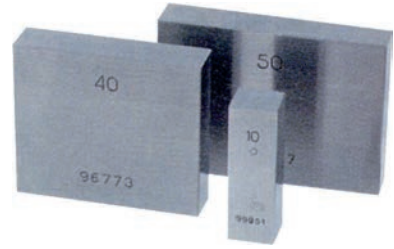
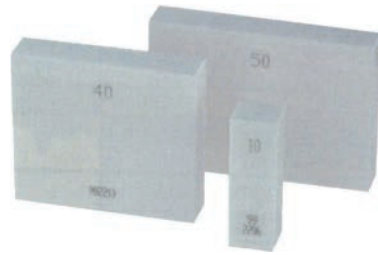


Parallel Gauge Blocks, individual

DIN EN ISO 3650

- incl. workshop test certificate shows the deviation, accuracy grade and traceability to masterpiece
- available in hardened and especially relieved special steel or ceramic
- ground and finely lapped
- high grade of abrasion resistance
- each gauge block is marked with an identification number
- calibration certificate available by extra charge

Other dimensions available on request!



ART NO steel	ART NO ceramic	nominal size mm	steps mm	ART NO CC
35 02X0 0.50	35 02X1 0.50	0.50	-	35 94001
35 02X0 0.60 - 35 0200 0.90	35 02X1 0.60 - 35 0201 0.90	0.60 - 0.90	0.10	35 94001
35 02X0 1.0005	35 02X1 1.0005	1.0005	-	35 94001
35 02X0 1.000	35 02X1 1.000	1.000	-	35 94001
35 02X0 1.001 - 35 0200 1.009	35 02X1 1.001 - 35 0201 1.009	1.001 - 1.009	0.001	35 94001
35 02X0 1.01 - 35 0200 1.49	35 02X1 1.01 - 35 0201 1.49	1.01 - 1.49	0.01	35 94001
35 02X0 1.50 - 35 0200 1.90	35 02X1 1.50 - 35 0201 1.90	1.50 - 1.90	0.10	35 94001
35 02X0 2.00 - 35 0200 5.00	35 02X1 2.00 - 35 0201 5.00	2.00 - 5.00	0.50	35 94001
35 02X0 5.50 - 35 0200 8.00	35 02X1 5.50 - 35 0201 8.00	5.50 - 8.00	0.50	35 94001
35 02X0 8.50 - 35 0200 9.50	35 02X1 8.50 - 35 0201 9.50	8.50 - 9.50	0.50	35 94001
35 02X0 10.0	35 02X1 10.0	10.00	-	35 94001
35 02X0 10.5 - 35 0200 14.5	35 02X1 10.5 - 35 0201 14.5	10.5 - 14.5	0.50	35 94001
35 02X0 15.0 - 35 0200 19.0	35 02X1 15.0 - 35 0201 19.0	15.0 - 19.0	0.50	35 94001
35 02X0 19.5 - 35 0200 22.0	35 02X1 19.5 - 35 0201 22.0	19.5 - 22.0	0.50	35 94001
35 02X0 22.5 - 35 0200 25.0	35 02X1 22.5 - 35 0201 25.0	22.5 - 25.0	0.50	35 94001
35 02X0 30	35 02X1 30	30	-	35 94001
35 02X0 40	35 02X1 40	40	-	35 94001
35 02X0 50	35 02X1 50	50	-	35 94001
35 02X0 60	35 02X1 60	60	-	35 94001
35 02X0 70	35 02X1 70	70	-	35 94001
35 02X0 75	35 02X1 75	75	-	35 94001
35 02X0 80	35 02X1 80	80	-	35 94001
35 02X0 90	35 02X1 90	90	-	35 94001
35 02X0 100	35 02X1 100	100	-	35 94001
35 02X0 125	-	125	-	35 94002
35 02X0 150	-	150	-	35 94002
35 02X0 175	-	175	-	35 94002
35 02X0 200	-	200	-	35 94002
35 02X0 250	-	250	-	35 94003
35 02X0 300	-	300	-	35 94003
35 02X0 350	-	350	-	35 94004
35 02X0 400	-	400	-	35 94004
35 02X0 450	-	450	-	35 94005
35 02X0 500	-	500	-	35 94005

X = please mention here the accuracy!
All individual gauge blocks are available in accuracy 0 and 1

order system:

art.-no.				grade	steel	size		
3	5	0	2	0	0	1	0	0

For example: steel gauge block, size 100 mm, accuracy 0

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Ceramic Parallel Gauge Block Sets



Ceramic Parallel Gauge Block Set DIN EN ISO 3650

- incl. workshop test certificate shows the deviation, accuracy grade and traceability to masterpiece
- made of exceptionally pure grade of ceramic
- suitable for use in measurement and test room
- high grade of abrasion resistance, far better than steel
- high thermal stability
- high resistance to knocks and drops
- does not burr easily and high corrosion resistant
- very stability of shape
- each gauge block is marked with an identification number
- calibration certificate available by extra charge



ART N°	accuracy class	quantity per set	pcs.	nominal size mm	steps mm	KG	ART N° CC
35 0031	0	32	1	1.005	-	1.200	35 94032
35 0041	1		9	1.01 - 1.09	0.01		35 94032
			9	1.1 - 1.9	0.1		
			9	1.0 - 9.0	1.0		
			4	10 / 20 / 30 / 50	-		
35 0032	0	47	1	1.005	-	2.600	35 94047
35 0042	1		19	1.01 - 1.19	0.01		35 94047
			8	1.2 - 1.9	0.1		
			9	1.0 - 9.0	1.0		
			10	10 - 100	10.0		
35 0033	0	87	9	1.001 - 1.009	0.001	3.000	35 94087
35 0043	1		49	1.01 - 1.49	0.01		35 94087
			19	0.5 - 9.5	0.5		
			10	10 - 100	10.0		

Other set combinations available on request!

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Steel Parallel Gauge Block Sets

★★★★★
SILVER-LINE® Parallel Gauge Block Set
 DIN EN ISO 3650

- incl. workshop test certificate shows the deviation, accuracy grade and traceability to masterpiece
- suitable for use in measurement and test room
- hardened and relieved special steel
- high grade of abrasion resistance
- each gauge block is marked with an identification number
- calibration certificate available by extra charge

Tungsten carbide sets available on request!



ART NO	accuracy class	quantity per set	pcs.	nominal size mm	steps mm	KG	ART NO CC
35 0001	0	32	1	1.005	-	1.500	35 94032
35 0011	1		9	1.01 - 1.09	0.01		35 94032
35 0021	2		9	1.1 - 1.9	0.1		35 94032
			9	1.0 - 9.0	1.0		
			4	10 / 20 / 30 / 50	-		
35 0002	0	47	1	1.005	-	3.300	35 94047
35 0012	1		19	1.01 - 1.19	0.01		35 94047
35 0022	2		8	1.2 - 1.9	0.1		35 94047
			9	1.0 - 9.0	1.0		
			10	10 - 100	10.0		
35 0003	0	87	9	1.001 - 1.009	0.001	3.800	35 94087
35 0013	1		49	1.01 - 1.49	0.01		35 94087
35 0023	2		19	0.5 - 9.5	0.5		35 94087
			10	10 - 100	10.0		
35 0004	0	103	1	1.005	-	4.600	35 94103
35 0014	1		49	1.01 - 1.49	0.01		35 94103
35 0024	2		49	0.5 - 24.5	0.5		35 94103
			4	25 - 100	25.0		
35 0005	0	112	1	1.0005	-	4.680	35 94112
35 0015	1		9	1.001 - 1.009	0.001		35 94112
35 0025	2		49	1.01 - 1.49	0.01		35 94112
			49	0.5 - 24.5	0.5		
			4	10 - 100	10.0		

★★★★★
SILVER-LINE® Rectangular Gauge Block Set
 DIN EN ISO 3650

- incl. workshop test certificate shows the deviation, accuracy grade and traceability to masterpiece
- suitable for use in measurement and test room
- hardened and relieved special steel
- high grade of abrasion resistance
- each gauge block is marked with an identification number
- calibration certificate available by extra charge

Tungsten carbide sets available on request!



ART NO	accuracy class	quantity per set	nominal size mm	KG	ART NO CC
35 0180	0	8	125 / 150 / 175 / 200 / 250 / 300 / 400 / 500	7.000	35 94080
35 0181	1	8	125 / 150 / 175 / 200 / 250 / 300 / 400 / 500	7.000	35 94080
35 0183	0	5	600 / 700 / 800 / 900 / 1000	18.000	35 94081
35 0184	1	5	600 / 700 / 800 / 900 / 1000	18.000	35 94081

Steel Parallel Gauge Block Sets

★★★★★
BLUE-LINE® Parallel Gauge Block Set
 DIN EN ISO 3650

- incl. workshop test certificate shows the deviation, accuracy grade and traceability to masterpiece for standard use in workshop area and at the machine
- hardened and relieved special steel
- high grade of abrasion resistance
- each gauge block is marked with an identification number
- calibration certificate available by extra charge



ART No	accuracy class	quantity per set	pcs.	nominal size mm	steps mm	KG	ART No CC
35 1001	0	32	1	1.005	-	1.500	35 94032
35 1011	1		9	1.01 - 1.09	0.01		35 94032
35 1021	2		9	1.1 - 1.9	0.1		35 94032
			9	1.0 - 9.0	1.0		
			4	10 / 20 / 30 / 50	-		
35 1002	0	47	1	1.005	-	3.300	35 94047
35 1012	1		19	1.01 - 1.19	0.01		35 94047
35 1022	2		8	1.2 - 1.9	0.1		35 94047
			9	1.0 - 9.0	1.0		
			10	10 - 100	10.0		
35 1003	0	87	9	1.001 - 1.009	0.001	3.800	35 94087
35 1013	1		49	1.01 - 1.49	0.01		35 94087
35 1023	2		19	0.5 - 9.5	0.5		35 94087
			10	10 - 100	10.0		
35 1004	0	103	1	1.005	-	4.600	35 94103
35 1014	1		49	1.01 - 1.49	0.01		35 94103
35 1024	2		49	0.5 - 24.5	0.5		35 94103
			4	25 - 100	25.0		

★★★★★
SILVER-LINE® Optical Parallels

- designed to inspect parallelism and flatness of measuring faces of micrometers
- each glass is marked with an identification-number
- double sided finished



sample application



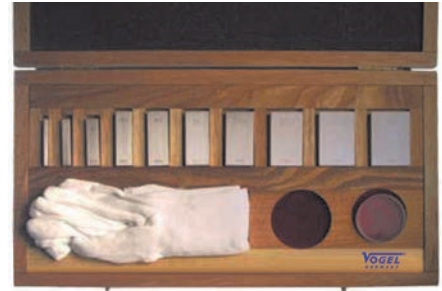
ART No	nominal size mm	glass-ø mm	accuracy of evenness μm	KG
35 0305/1	15	45	0.10	0.050
35 0309	12.00 / 12.12 / 12.25 / 12.37	30	0.10	0.340

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Inspection Gauge Block Sets

★★★★★ SILVER-LINE® Inspection Gauge Block Set, for Micrometers DIN EN ISO 3650

- incl. workshop test certificate shows the deviation, accuracy grade and traceability to masterpiece
- for review and adjustment of micrometer acc. to VDI/VDE/DGQ 2618, page 5
- with optical plane face glass and gloves
- each gauge block is marked with an identification number
- calibration certificate **without** optical plane glass calibration by extra charge



ART NO ceramic	ART NO steel	accuracy step	quantity per set	nominal size mm	KG	ART NO CC
35 0100	35 0120	0	10	2.50 / 5.10 / 7.70 / 10.30 / 12.90 / 15.00 / 17.60 / 20.20 / 22.80 / 25.00	1.000	35 94010
35 0110	35 0130	1	10	2.50 / 5.10 / 7.70 / 10.30 / 12.90 / 15.00 / 17.60 / 20.20 / 22.80 / 25.00	1.000	35 94010

★★★★★ SILVER-LINE® Inspection Gauge Block Set, for Micrometers DIN EN ISO 3650

- incl. workshop test certificate shows the deviation, accuracy grade and traceability to masterpiece
- for review and adjustment of micrometer acc. to VDI/VDE/DGQ 2618, page 5 / 10.1
- each gauge block is marked with an identification number
- calibration certificate by extra charge



ART NO steel	for micrometer sizes	accuracy step	quantity per set	nominal size mm	KG	ART NO CC
35 0176	0 - 25	1	5	5.10 / 10.30 / 15.00 / 20.20 / 25	0.850	35 94186
35 0177	0 - 100	1	8	5.10 / 10.30 / 15.00 / 20.20 / 25 / 50 / 75 / 100	0.980	35 94187

★★★★★ SILVER-LINE® Inspection Gauge Block Set, for Calipers DIN EN ISO 3650

- incl. workshop test certificate shows the deviation, accuracy grade and traceability to masterpiece
- for review and adjustment of calipers acc. to VDI/VDE/DGQ 2618, Blatt 8 / 9.1
- incl. steel setting ring, hardened and incl. gloves
- each gauge block is marked with an identification number
- calibration certificate by extra charge

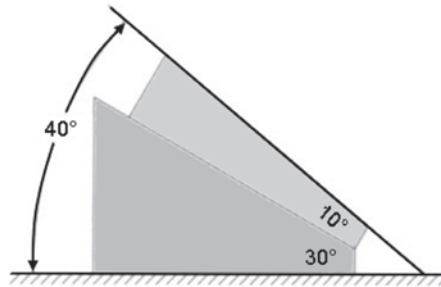
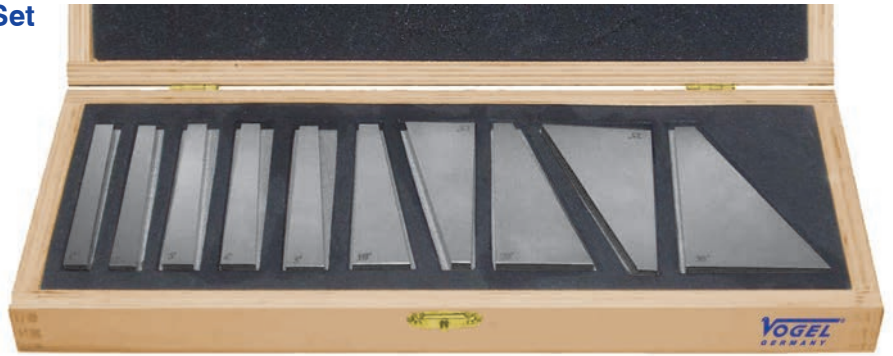


ART NO ceramic	ART NO steel	accuracy step	ø mm	nominal size mm	KG	ART NO CC
35 0111	35 0139	1	20	41.30 / 131.40	1.000	35 94007
35 0118	35 0148	1	4 + 25	30.00 / 41.30 / 131.40	1.100	35 94008

Angle Gauge Block Sets and Wave Parallel Supports

★ ★ ★ ★ ★ BLUE-LINE® Angle Gauge Block Set

- workshop quality, for standard purposes
- for fast, easy and accurate determination of angular dimensions
- hardened and relieved special steel, high grade of abrasion resistance
- measuring faces fine ground
- angle accuracy of measuring faces +/- 60"



ART N ^o	accuracy step	quantity per set	angle sizes in °	 l x h	 KG	ART N ^o CC
35 2010	1	10	1 / 2 / 3 / 4 / 5 / 10 / 15 / 20 / 25 / 30°	75 x 6.5	0.900	35 94210
35 2012	1	12	0.25 / 0.5 / 1 / 2 / 3 / 4 / 5 / 10 / 15 / 20 / 25 / 30°	75 x 6.5	0.930	35 94212

Explore our website!

On our website you will find many features and informations, which make cooperation with us very well. For more dealer information, ask for your personal access code to our login area!

Our **Vmade**®-team is happy to help.



Any questions?
We are pleased to advise!

Accessories for Parallel Gauge Blocks

★★★★★ BLUE-LINE® Accessory Set for Gauge Blocks

- 8-piece set, contents:
- 1 pair of 2 mm half round jaws
- 1 pair of 5 mm half round jaws
- 1 scriber point, 1 centering tip
- 1 holder 0 - 50 / 0 - 100 / 100 - 200 mm
- 1 base for holder



ART N°	content / pieces	KG
35 3000	8	3.000

★★★★★ BLUE-LINE® Gauge Block Holder

- for clamping individual gauge blocks
- special steel made



ART N° 35 0313 - 35 0317



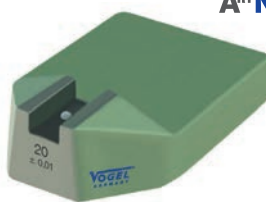
ART N° 35 0310 - 35 0312



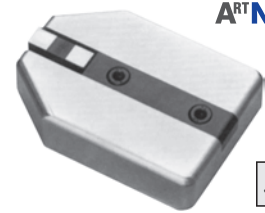
ART N°	clamping range mm	suitable base		KG
35 0310	0 - 50	35 3020	-	0.230
35 0311	0 - 100	35 3020	-	0.250
35 0312	100 - 200	35 3020	-	0.300
35 0313	0 - 300	-	35 3021	0.500
35 0314	100 - 300	-	35 3021	0.500
35 0315	200 - 400	-	35 3021	0.600
35 0316	300 - 500	-	35 3021	0.700
35 0317	400 - 600	-	35 3021	0.800

★★★★★ BLUE-LINE® Holder Base

- art.-no. 35 3020 special steel, chromed
- art.-no. 35 3021 cast iron, lacquered



ART N° 35 3021



ART N° 35 3020



ART N°	ART N°	KG
35 3020	-	0.140
-	35 3021	0.920

★★★★★ BLUE-LINE® Gauge Connector

- art.-no. 35 0360 for coupling gauge blocks > 100 mm
- art.-no. 35 0361 for coupling gauge blocks > 100 mm with gauges < 100 mm

ART N° 35 0361



ART N° 35 0360



Other sizes available on request!

ART N°	for sizes mm	KG
35 0360	> 100 + > 100	0.210
35 0361	0 - 180	0.200

VOGEL[®] GERMANY products are on top of the charts!

Vogel Germany always convinced with innovation and quality,
for example with the products:

Inspection Tool Kits

Got an award by German magazine "Heimwerker Praxis".



Pocket Measuring Tapes

Got an award by German magazine "DIY selberrmachen".



For more information and options
please have a look at our website.

Accessories for Parallel Gauge Blocks

BLUE-LINE® Half rounded Measuring Jaws, in pair

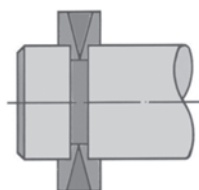
- half round jaws for internal and external measurements
- hardened and relieved steel



ART N°	nominal size ø mm	max. measuring depth mm	total length mm	KG
35 0327	2	10	40	0.022
35 0328	5	15	45	0.030
35 0329	10	40	70	0.055

BLUE-LINE® Knife Edge Jaws, in pair

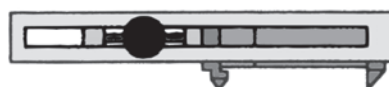
- hardened and relieved steel



ART N°	nominal size ø mm	total length mm	KG
35 3026	60	65	0.080

BLUE-LINE® Steel Scriber Point

- hardened and relieved steel



ART N°	KG
35 0350	0.055

BLUE-LINE® Centering Point

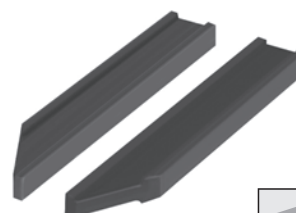
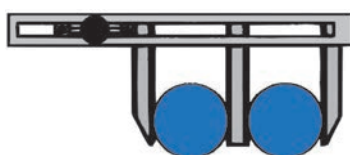
- hardened and relieved steel



ART N°	KG
35 0351	0.055

BLUE-LINE® Measuring Jaws, in Pair

- hardened and relieved steel



ART N°	total length mm	KG
35 3025	100	0.140

Accessories for Parallel Gauge Blocks

★★★★★ BLUE-LINE® Maintenance Kit for Gauge Block

contents:

linen cloth, chamois leather, anti corrosion oil, deburring stone, soft brush, grease brush, operation manual

ART N° 35 0306



ART N° 35 0301



ART N°		KG
35 0301		0.690

ART N°	contents ml	KG
35 0306	50	0.060

★★★★★ BLUE-LINE® Deburring Stone

• burrs and scratches on the measuring surfaces and edges can be removed with the deburring stone



ART N°	→ mm ←	KG
35 0304	50 x 25 x 10	0.030

★★★★★ BLUE-LINE® Maintenance Spray

• cleans, maintains and lubricates measuring tools, loosens caked-on section and conserves degreased mechanical connections
• acid and resin-free, compatible to environment, FCKW-free
• displaces humidity in electrical and electronical areas



ART N°	contents ml	→ mm ←	KG
35 0320	500	260 x ø 64	0.480

★★★★★ BLUE-LINE® Metal Maintenance Tissue

• cleans and maintains all kind of metal, thoroughly and streak-free
• makes a protective film on the metal parts
• tissues in a dispenser box
• acid- and resin-free, steak-free and odorless, compatible to environment
• for indoor- and outdoor use



ART N°	contents tissues pcs.	→ mm ←	KG
35 0321	80	190 x ø 90	0.205

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Precision Inspection Spirit Levels



Precision Inspection Spirit Levels

DIN 877

- for accurate levelling and adjusting of surfaces and cylinders
- housing made of special cast iron
- with prism and flat surface, finely ground
- adjustable main vial and one cross vial
- with insulation handles



ART No 36 0281



ART No 36 0202



ART No	ART No	ART No	length mm	KG	ART No CC
sensitivity 0.01 mm/m	sensitivity 0.02 mm/m	sensitivity 0.05 mm/m			
-	36 0281	36 0282	150	1.100	36 94150
36 0202	36 0283	36 0284	200	1.400	36 94200
36 0203	36 0285	-	250	1.830	36 94250
36 0204	36 0287	36 0288	300	2.180	36 94300

ART No	ART No	ART No	length mm	KG	ART No CC
sensitivity 0.1 mm/m	sensitivity 0.3 mm/m	sensitivity 0.5 mm/m			
-	-	36 0261	150	1.100	36 94150
36 0251	36 0231	-	160	1.100	36 94160
36 0252	36 0232	36 0262	200	1.400	36 94200
36 0253	36 0233	-	250	1.830	36 94250
36 0254	36 0234	36 0264	300	2.180	36 94300



Precision Inspection Frame Spirit Levels

DIN 877

- for levelling and adjusting of horizontal and vertical surfaces and cylinders
- housing made of special cast iron
- with prism and flat surface, fine ground
- adjustable main vial and one cross vial
- with insulation handles



ART No	ART No	ART No	mm	KG	ART No CC
sensitivity 0.02 mm/m	sensitivity 0.05 mm/m	sensitivity 0.1 mm/m			
36 0311	36 0312	36 0351	150 x 150 x 40	2.200	36 94151
36 0313	36 0314	36 0352	200 x 200 x 40	3.300	36 94201
36 0315	36 0316	-	250 x 250 x 40	4.400	36 94251
36 0317	-	36 0353	300 x 300 x 40	5.000	36 94301

★★★★★
SILVER-LINE® Precision Crank Pin Levels
 DIN 877

• to adjust crankshafts and crank pins of motors and machines

- with vertical and horizontal prism, fine ground
- with main vial and cross vial
- width 40 mm

Option

- with magnets in the prism bottom on request, please

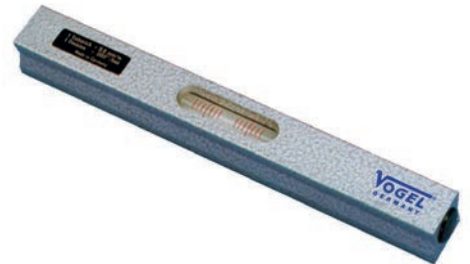


ART NO sensitivity 0.04 mm/m	ART NO sensitivity 0.1 mm/m	ART NO sensitivity 0.2 mm/m	length mm	KG	ART NO CC
-	-	36 0295	60	0.510	36 94062
36 0296	-	-	90	0.740	36 94121
36 0297	-	-	120	1.010	36 94121
-	36 0293	-	90	0.740	36 94091
-	36 0294	-	120	1.010	36 94091

★★★★★
SILVER-LINE® Precision Alloy Spirit Level

• for simple levelling and adjusting of surfaces and cylinders

- housing made of alloy cast
- with ground prism base
- with ground and graduated main vial



ART NO sensitivity 0.6 mm/m	length mm	width mm	KG	ART NO sensitivity 0.6 mm/m	length mm	width mm	KG	ART NO CC
36 0410	100	22	0.080	36 0420	200	22	0.160	36 94400
36 0415	150	22	0.120	36 0430	300	22	0.240	36 94400

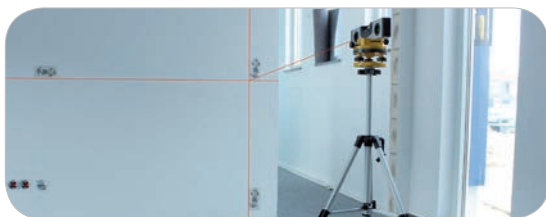
★★★★★
DIGI-PLUS-LINE® Electr. Digital Light Alloy Spirit Level

• with cross laser, angle degree indicator and percent deviation

- rugged, rectangular profile, made of light alloy, with ribbed surface
- large LCD display, digit height 10 mm, reading from all directions possible
- switchable display in angle-, percentage measuring- and tangent-mode
- On/Off button, data hold function and memory function
- magnetic inserts in the bottom and M6 thread for tripod attachment
- with each 1x horizontal and 1x vertical vial
- with self-calibration and switchable cross laser
- incl. 1x 9 V battery (type 6LR61, art.-no.: 60 9281), with operation manual



with magnet inserts and M6 thread for tripod attachment



ART NO	↕	👁️	max. ± °	→ mm ←	KG
71 2010	4 x 90°	0.05°	0.1	225 x 57 x 25	0.278

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Limit Plug Gauge

tolerance and dimensions acc. to DIN 7150-2 and DIN 7164

- designed acc. to DIN 2245 / 2246 / 2247

- special steel, finely ground and lapped
- with „Go“ and „No-Go“ surface end



ART N° tolerance H7	ART N° other tolerances	size-ø mm	ART N° CC
37 080 0010	37 090 0010	1.0	37 94001
37 080 0012	37 090 0012	1.2	37 94001
37 080 0015	37 090 0015	1.5	37 94001
37 080 0018	37 090 0018	1.8	37 94001
37 080 0020	37 090 0020	2.0	37 94001
37 080 0022	37 090 0022	2.2	37 94001
37 080 0025	37 090 0025	2.5	37 94001
37 080 0028	37 090 0028	2.8	37 94001
37 080 0030	37 090 0030	3.0	37 94001
37 080 0035	37 090 0035	3.5	37 94002
37 080 0040	37 090 0040	4.0	37 94002
37 080 0045	37 090 0045	4.5	37 94002
37 080 0050	37 090 0050	5.0	37 94002
37 080 0060	37 090 0060	6.0	37 94002
37 080 0070	37 090 0070	7.0	37 94002
37 080 0080	37 090 0080	8.0	37 94001
37 080 0090	37 090 0090	9.0	37 94002
37 080 0100	37 090 0100	10	37 94002
37 080 0110	37 090 0110	11	37 94002
37 080 0120	37 090 0120	12	37 94002
37 080 0130	37 090 0130	13	37 94002
37 080 0140	37 090 0140	14	37 94002
37 080 0150	37 090 0150	15	37 94002
37 080 0160	37 090 0160	16	37 94002
37 080 0170	37 090 0170	17	37 94002
37 080 0180	37 090 0180	18	37 94002
37 080 0190	37 090 0190	19	37 94002
37 080 0200	37 090 0200	20	37 94002
37 080 0210	37 090 0210	21	37 94003
37 080 0220	37 090 0220	22	37 94003
37 080 0230	37 090 0230	23	37 94003
37 080 0240	37 090 0240	24	37 94003
37 080 0250	37 090 0250	25	37 94003
37 080 0260	37 090 0260	26	37 94003
37 080 0270	37 090 0270	27	37 94003
37 080 0280	37 090 0280	28	37 94003

ART N° tolerance H7	ART N° other tolerances	size-ø mm	ART N° CC
37 080 0300	37 090 0300	30	37 94003
37 080 0320	37 090 0320	32	37 94003
37 080 0330	37 090 0330	33	37 94003
37 080 0340	37 090 0340	34	37 94003
37 080 0350	37 090 0350	35	37 94003
37 080 0360	37 090 0360	36	37 94003
37 080 0370	37 090 0370	37	37 94003
37 080 0380	37 090 0380	38	37 94003
37 080 0400	37 090 0400	40	37 94003
37 080 0420	37 090 0420	42	37 94003
37 080 0440	37 090 0440	44	37 94003
37 080 0450	37 090 0450	45	37 94003
37 080 0460	37 090 0460	46	37 94003
37 080 0470	37 090 0470	47	37 94003
37 080 0480	37 090 0480	48	37 94003
37 080 0500	37 090 0500	50	37 94003
37 080 0520	37 090 0520	52	37 94003
37 080 0550	37 090 0550	55	37 94003
37 080 0580	37 090 0580	58	37 94003
37 080 0600	37 090 0600	60	37 94003
37 080 0620	37 090 0620	62	37 94004
37 080 0650	37 090 0650	65	37 94004
37 080 0680	37 090 0680	68	37 94004
37 080 0700	37 090 0700	70	37 94004
37 080 0720	37 090 0720	72	37 94004
37 080 0750	37 090 0750	75	37 94004
37 080 0780	37 090 0780	78	37 94004
37 080 0800	37 090 0800	80	37 94004
37 080 0820	37 090 0820	82	37 94004
37 080 0850	37 090 0850	85	37 94004
37 080 0880	37 090 0880	88	37 94004
37 080 0900	37 090 0900	90	37 94004
37 080 0920	37 090 0920	92	37 94004
37 080 0950	37 090 0950	95	37 94004
37 080 0980	37 090 0980	98	37 94004
37 080 1000	37 090 1000	100	37 94004



Limit Plug Gauge

tolerance and dimensions acc. to DIN 7150-2 and DIN 7164

- hard chromed plated

- with hard chromed "Go" surface end and "No-Go" surface end in special steel, hardened



ART N° tolerance H7	size-ø mm	ART N° tolerance H7	size-ø mm
37 082 0010	1.0	37 082 0025	2.5
37 082 0012	1.2	37 082 0028	2.8
37 082 0015	1.5	37 082 0030	3.0
37 082 0018	1.8	37 082 0035	3.5
37 082 0020	2.0	37 082 0040	4.0
37 082 0022	2.2	37 082 0045	4.5

ART N° tolerance H7	size-ø mm	ART N° tolerance H7	size-ø mm
37 082 0050	5.0	37 082 0120	12
37 082 0060	6.0	37 082 0150	15
37 082 0070	7.0	37 082 0200	20
37 082 0080	8.0	37 082 0220	22
37 082 0090	9.0	37 082 0250	25
37 082 0100	10.0	37 082 0300	30

Other sizes available
on request!

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Precision Ring Gauges



Setting Ring Gauges, acc. to DIN 2250 C, DIN ISO 286/1
„Go“ Ring Gauges, indicate the requested tolerance, please
„No-Go“ Ring Gauges, indicate the requested tolerance, please

- special steel, hardened, finely ground and lapped



ART NO setting ring	ART NO „Go“ ring	ART NO „No-Go“ ring	size-ø mm	ART NO CC	ART NO setting ring	ART NO „Go“ ring	ART NO „No-Go“ ring	size- ø mm	ART NO CC
37 0770 0010	37 0772 0010	37 0773 0010	1.0	37 94011	37 0770 0520	37 0772 0520	37 0773 0520	52.0	37 94013
37 0770 0012	37 0772 0012	37 0773 0012	1.2	37 94011	37 0770 0550	37 0772 0550	37 0773 0550	55.0	37 94013
37 0770 0015	37 0772 0015	37 0773 0015	1.5	37 94011	37 0770 0580	37 0772 0580	37 0773 0580	58.0	37 94013
37 0770 0018	37 0772 0018	37 0773 0018	1.8	37 94011	37 0770 0600	37 0772 0600	37 0773 0600	60.0	37 94013
37 0770 0020	37 0772 0020	37 0773 0020	2.0	37 94011	37 0770 0620	37 0772 0620	37 0773 0620	62.0	37 94013
37 0770 0022	37 0772 0022	37 0773 0022	2.2	37 94011	37 0770 0650	37 0772 0650	37 0773 0650	65.0	37 94013
37 0770 0025	37 0772 0025	37 0773 0025	2.5	37 94011	37 0770 0680	37 0772 0680	37 0773 0680	68.0	37 94013
37 0770 0028	37 0772 0028	37 0773 0028	2.8	37 94011	37 0770 0700	37 0772 0700	37 0773 0700	70.0	37 94013
37 0770 0030	37 0772 0030	37 0773 0030	3.0	37 94011	37 0770 0720	37 0772 0720	37 0773 0720	72.0	37 94013
37 0770 0035	37 0772 0035	37 0773 0035	3.5	37 94011	37 0770 0750	37 0772 0750	37 0773 0750	75.0	37 94013
37 0770 0040	37 0772 0040	37 0773 0040	4.0	37 94011	37 0770 0780	37 0772 0780	37 0773 0780	78.0	37 94013
37 0770 0045	37 0772 0045	37 0773 0045	4.5	37 94011	37 0770 0800	37 0772 0800	37 0773 0800	80.0	37 94013
37 0770 0050	37 0772 0050	37 0773 0050	5.0	37 94011	37 0770 0820	37 0772 0820	37 0773 0820	82.0	37 94013
37 0770 0060	37 0772 0060	37 0773 0060	6.0	37 94012	37 0770 0850	37 0772 0850	37 0773 0850	85.0	37 94013
37 0770 0070	37 0772 0070	37 0773 0070	7.0	37 94012	37 0770 0880	37 0772 0880	37 0773 0880	88.0	37 94013
37 0770 0080	37 0772 0080	37 0773 0080	8.0	37 94012	37 0770 0900	37 0772 0900	37 0773 0900	90.0	37 94013
37 0770 0090	37 0772 0090	37 0773 0090	9.0	37 94012	37 0770 0920	37 0772 0920	37 0773 0920	92.0	37 94013
37 0770 0100	37 0772 0100	37 0773 0100	10.0	37 94012	37 0770 0950	37 0772 0950	37 0773 0950	95.0	37 94013
37 0770 0110	37 0772 0110	37 0773 0110	11.0	37 94012	37 0770 0980	37 0772 0980	37 0773 0980	98.0	37 94013
37 0770 0120	37 0772 0120	37 0773 0120	12.0	37 94012	37 0770 1000	37 0772 1000	37 0773 1000	100.0	37 94013
37 0770 0130	37 0772 0130	37 0773 0130	13.0	37 94012	37 0770 1050	37 0772 1050	37 0773 1050	105.0	37 94013
37 0770 0140	37 0772 0140	37 0773 0140	14.0	37 94012	37 0770 1100	37 0772 1100	37 0773 1100	110.0	37 94013
37 0770 0150	37 0772 0150	37 0773 0150	15.0	37 94012	37 0770 1150	37 0772 1150	37 0773 1150	115.0	37 94013
37 0770 0160	37 0772 0160	37 0773 0160	16.0	37 94012	37 0770 1200	37 0772 1200	37 0773 1200	120.0	37 94013
37 0770 0170	37 0772 0170	37 0773 0170	17.0	37 94012	37 0770 1250	37 0772 1250	37 0773 1250	125.0	37 94013
37 0770 0180	37 0772 0180	37 0773 0180	18.0	37 94012	37 0770 1300	37 0772 1300	37 0773 1300	130.0	37 94013
37 0770 0190	37 0772 0190	37 0773 0190	19.0	37 94012	37 0770 1350	37 0772 1350	37 0773 1350	135.0	37 94013
37 0770 0200	37 0772 0200	37 0773 0200	20.0	37 94012	37 0770 1400	37 0772 1400	37 0773 1400	140.0	37 94013
37 0770 0210	37 0772 0210	37 0773 0210	21.0	37 94012	37 0770 1450	37 0772 1450	37 0773 1450	145.0	37 94013
37 0770 0220	37 0772 0220	37 0773 0220	22.0	37 94012	37 0770 1500	37 0772 1500	37 0773 1500	150.0	37 94013
37 0770 0230	37 0772 0230	37 0773 0230	23.0	37 94012	37 0770 1550	37 0772 1550	37 0773 1550	155.0	37 94013
37 0770 0240	37 0772 0240	37 0773 0240	24.0	37 94012	37 0770 1600	37 0772 1600	37 0773 1600	160.0	37 94013
37 0770 0250	37 0772 0250	37 0773 0250	25.0	37 94012	37 0770 1650	37 0772 1650	37 0773 1650	165.0	37 94013
37 0770 0260	37 0772 0260	37 0773 0260	26.0	37 94012	37 0770 1700	37 0772 1700	37 0773 1700	170.0	37 94013
37 0770 0270	37 0772 0270	37 0773 0270	27.0	37 94012	37 0770 1750	37 0772 1750	37 0773 1750	175.0	37 94013
37 0770 0280	37 0772 0280	37 0773 0280	28.0	37 94012	37 0770 1800	37 0772 1800	37 0773 1800	180.0	37 94013
37 0770 0300	37 0772 0300	37 0773 0300	30.0	37 94012	37 0770 1850	37 0772 1850	37 0773 1850	185.0	37 94013
37 0770 0320	37 0772 0320	37 0773 0320	32.0	37 94012	37 0770 1900	37 0772 1900	37 0773 1900	190.0	37 94013
37 0770 0330	37 0772 0330	37 0773 0330	33.0	37 94012	37 0770 1950	37 0772 1950	37 0773 1950	195.0	37 94013
37 0770 0340	37 0772 0340	37 0773 0340	34.0	37 94012	37 0770 2000	37 0772 2000	37 0773 2000	200.0	37 94014
37 0770 0350	37 0772 0350	37 0773 0350	35.0	37 94012	37 0770 2100	37 0772 2100	37 0773 2100	210.0	37 94014
37 0770 0360	37 0772 0360	37 0773 0360	36.0	37 94012	37 0770 2200	37 0772 2200	37 0773 2200	220.0	37 94014
37 0770 0370	37 0772 0370	37 0773 0370	37.0	37 94012	37 0770 2400	37 0772 2400	37 0773 2400	240.0	37 94014
37 0770 0380	37 0772 0380	37 0773 0380	38.0	37 94012	37 0770 2500	37 0772 2500	37 0773 2500	250.0	37 94014
37 0770 0400	37 0772 0400	37 0773 0400	40.0	37 94012	37 0770 2600	37 0772 2600	37 0773 2600	260.0	37 94014
37 0770 0420	37 0772 0420	37 0773 0420	42.0	37 94012	37 0770 2800	37 0772 2800	37 0773 2800	280.0	37 94014
37 0770 0440	37 0772 0440	37 0773 0440	44.0	37 94012	37 0770 3000	37 0772 3000	37 0773 3000	300.0	37 94014
37 0770 0450	37 0772 0450	37 0773 0450	45.0	37 94012	37 0770 3200	37 0772 3200	37 0773 3200	320.0	37 94014
37 0770 0460	37 0772 0460	37 0773 0460	46.0	37 94012	37 0770 3400	37 0772 3400	37 0773 3400	340.0	37 94014
37 0770 0470	37 0772 0470	37 0773 0470	47.0	37 94012	37 0770 3600	37 0772 3600	37 0773 3600	360.0	37 94014
37 0770 0480	37 0772 0480	37 0773 0480	48.0	37 94012	37 0770 3800	37 0772 3800	37 0773 3800	380.0	37 94014
37 0770 0500	37 0772 0500	37 0773 0500	50.0	37 94012	37 0770 4000	37 0772 4000	37 0773 4000	400.0	37 94014

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Limit Thread Plug Gauge
 DIN 13

- metric ISO-threads
- special steel, hardened and finely ground
- tolerance class 6H

type A „Go“ and „No-Go“ thread plug gauge
type D „Go“ thread plug Gauge
type E „No-Go“ thread plug Gauge



ART NO type A	ART NO type D	ART NO type E	thread-ø mm	ART NO CC
39 0101	39 0401	39 0501	1.0 x 0.25	39 94020
39 0102	39 0402	39 0502	1.1 x 0.25	39 94020
39 0103	39 0403	39 0503	1.2 x 0.25	39 94020
39 0104	39 0404	39 0504	1.4 x 0.3	39 94020
39 0105	39 0405	39 0505	1.6 x 0.35	39 94020
39 0106	39 0406	39 0506	1.8 x 0.35	39 94020
39 0107	39 0407	39 0507	2.0 x 0.4	39 94020
39 0108	39 0408	39 0508	2.2 x 0.45	39 94020
39 0109	39 0409	39 0509	2.5 x 0.45	39 94020
39 0110	39 0410	39 0510	3.0 x 0.5	39 94020
39 0111	39 0411	39 0511	3.5 x 0.6	39 94021
39 0112	39 0412	39 0512	4.0 x 0.7	39 94021
39 0113	39 0413	39 0513	4.5 x 0.75	39 94021
39 0114	39 0414	39 0514	5.0 x 0.8	39 94021
39 0115	39 0415	39 0515	6.0 x 1.0	39 94021
39 0116	39 0416	39 0516	7.0 x 1.0	39 94021
39 0117	39 0417	39 0517	8.0 x 1.25	39 94021
39 0118	39 0418	39 0518	9.0 x 1.25	39 94021
39 0119	39 0419	39 0519	10 x 1.5	39 94021
39 0120	39 0420	39 0520	12 x 1.75	39 94021
39 0121	39 0421	39 0521	14 x 2.0	39 94021
39 0122	39 0422	39 0522	16 x 2.0	39 94021
39 0123	39 0423	39 0523	18 x 2.5	39 94021
39 0124	39 0424	39 0524	20 x 2.5	39 94021
39 0125	39 0425	39 0525	22 x 2.5	39 94022
39 0126	39 0426	39 0526	24 x 3.0	39 94022
39 0127	39 0427	39 0527	27 x 3.0	39 94022
39 0128	39 0428	39 0528	30 x 3.5	39 94022
39 0129	39 0429	39 0529	33 x 3.5	39 94022
39 0130	39 0430	39 0530	36 x 4.0	39 94022
39 0131	39 0431	39 0531	39 x 4.0	39 94022
-	39 0432	39 0532	42 x 4.5	39 94022
-	39 0433	39 0533	45 x 4.5	39 94022
-	39 0434	39 0534	48 x 5.0	39 94022
-	39 0435	39 0535	52 x 5.0	39 94022
-	39 0436	39 0536	56 x 5.5	39 94022
-	39 0437	39 0537	60 x 5.5	39 94023
-	39 0438	39 0538	64 x 6.0	39 94023
-	39 0439	39 0539	68 x 6.0	39 94023

Other sizes available on request!

Limit Thread Ring Gauges and Sets



Limit Thread Ring Gauge

DIN 13

- metric ISO-threads
- special steel, hardened and finely ground
- tolerance acc. to 6g



type B



type C

type B „Go“ thread ring gauge

type C „No-Go“ thread ring gauge



DIN

TC

ART N ^o type B	ART N ^o type C	thread-ø mm	ART N ^o CC
39 0201	39 0301	1.0 x 0.25	39 94020
39 0202	39 0302	1.1 x 0.25	39 94020
39 0203	39 0303	1.2 x 0.25	39 94020
39 0204	39 0304	1.4 x 0.3	39 94020
39 0205	39 0305	1.6 x 0.35	39 94020
39 0206	39 0306	1.8 x 0.35	39 94020
39 0207	39 0307	2.0 x 0.4	39 94020
39 0208	39 0308	2.2 x 0.45	39 94020
39 0209	39 0309	2.5 x 0.45	39 94020
39 0210	39 0310	3.0 x 0.5	39 94020
39 0211	39 0311	3.5 x 0.6	39 94021
39 0212	39 0312	4.0 x 0.7	39 94021
39 0213	39 0313	4.5 x 0.75	39 94021
39 0214	39 0314	5.0 x 0.8	39 94021
39 0215	39 0315	6.0 x 1.0	39 94021
39 0216	39 0316	7.0 x 1.0	39 94021
39 0217	39 0317	8.0 x 1.25	39 94021
39 0218	39 0318	9.0 x 1.25	39 94021
39 0219	39 0319	10 x 1.5	39 94021
39 0220	39 0320	12 x 1.75	39 94021
39 0221	39 0321	14 x 2.0	39 94021
39 0222	39 0322	16 x 2.0	39 94021
39 0223	39 0323	18 x 2.5	39 94021
39 0224	39 0324	20 x 2.5	39 94021
39 0225	39 0325	22 x 2.5	39 94022

ART N ^o type B	ART N ^o type C	thread-ø mm	ART N ^o CC
39 0226	39 0326	24 x 3.0	39 94022
39 0227	39 0327	27 x 3.0	39 94022
39 0228	39 0328	30 x 3.5	39 94022
39 0229	39 0329	33 x 3.5	39 94022
39 0230	39 0330	36 x 4.0	39 94022
39 0231	39 0331	39 x 4.0	39 94022
39 0232	39 0332	42 x 4.5	39 94022
39 0233	39 0333	45 x 4.5	39 94022
39 0234	39 0334	48 x 5.0	39 94022
39 0235	39 0335	52 x 5.0	39 94022
39 0236	39 0336	56 x 5.5	39 94022
39 0237	39 0337	60 x 5.5	39 94023
39 0238	39 0338	64 x 6.0	39 94023
39 0239	39 0339	68 x 6.0	39 94023
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Limit Thread Plug Gauge Set Limit Thread Ring Gauge Set Limit Plug Gauge Set

- acc. to DIN tolerances
 - special steel, hardened, fine ground
- Option
- with wooden case, available on request



DIN

TC

ART N ^o	plug gauge set	ring gauge set	„Go“	„No-Go“	contents mm	ART N ^o CC
39 0801	✓	-	✓	✓	M 3 / M 4 / M 5 / M 6 / M 8 / M 10 / M 12	39 94801
39 0805	-	✓	✓	-	M 3 / M 4 / M 5 / M 6 / M 8 / M 10 / M 12	39 94805
39 0806	-	✓	-	✓	M 3 / M 4 / M 5 / M 6 / M 8 / M 10 / M 12	39 94806
37 0801	✓	-	✓	✓	3H7 / 4H7 / 5H7 / 6H7 / 8H7 / 10H7 / 12H7	37 94801

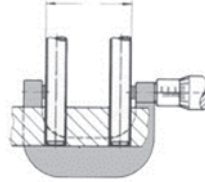
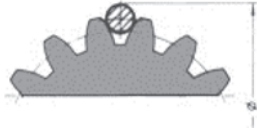
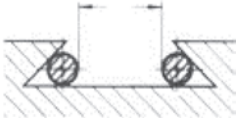
Precision Measuring Steel Pins




Cylindrical Measuring Pins in a Set

DIN 2269

- special chrome-steel with high wearing quality and enough resistance to corrosion
- hardened, finely ground and **lapped**
- from up 3.0 mm marked with the size on the top surface



ART N ^o	contents pcs.	size- \varnothing mm	steps mm	 max. \pm mm	length mm	ART N ^o CC
38 0210	21	0.10 - 0.30	0.01	0.0005	30	38 94021
38 0211	21	0.30 - 0.50	0.01	0.0005	30	38 94021
38 0212	51	0.50 - 1.00	0.01	0.0005	30	38 94051
38 0213	19	0.10 - 1.00	0.05	0.0005	30	38 94019
38 0301	21	0.10 - 0.30	0.01	0.0010	40	38 94021
38 0302	21	0.30 - 0.50	0.01	0.0010	40	38 94021
38 0303	51	0.50 - 1.00	0.01	0.0010	40	38 94051
38 0304	19	0.10 - 1.00	0.05	0.0010	40	38 94019
38 0307	21	1.00 - 2.00	0.05	0.0010	70	38 94021
38 0308	21	2.00 - 3.00	0.05	0.0010	70	38 94021
38 0309	21	3.00 - 4.00	0.05	0.0010	70	38 94021
38 0310	21	4.00 - 5.00	0.05	0.0010	70	38 94021
38 0311	21	5.00 - 6.00	0.05	0.0010	70	38 94021
38 0312	21	6.00 - 7.00	0.05	0.0010	70	38 94021
38 0313	21	7.00 - 8.00	0.05	0.0010	70	38 94021
38 0314	21	8.00 - 9.00	0.05	0.0010	70	38 94021
38 0315	21	9.00 - 10.00	0.05	0.0010	70	38 94021
38 0316	100	10.01 - 11.00	0.01	0.0020	50	38 94100
38 0317	100	11.01 - 12.00	0.01	0.0020	50	38 94100
38 0318	100	12.01 - 13.00	0.01	0.0020	50	38 94100
38 0319	100	13.01 - 14.00	0.01	0.0020	50	38 94100
38 0320	100	14.01 - 15.00	0.01	0.0020	50	38 94100
38 0321	100	15.01 - 16.00	0.01	0.0020	50	38 94100
38 0323	100	16.01 - 17.00	0.01	0.0020	50	38 94100
38 0324	100	17.01 - 18.00	0.01	0.0020	50	38 94100
38 0325	100	18.01 - 19.00	0.01	0.0020	50	38 94100
38 0326	100	19.01 - 20.00	0.01	0.0020	50	38 94100
38 0350	101	1.00 - 2.00	0.01	0.0010	70	38 94101
38 0351	101	2.00 - 3.00	0.01	0.0010	70	38 94101
38 0352	101	3.00 - 4.00	0.01	0.0010	70	38 94101
38 0353	101	4.00 - 5.00	0.01	0.0010	70	38 94101
38 0354	101	5.00 - 6.00	0.01	0.0010	70	38 94101
38 0355	101	6.00 - 7.00	0.01	0.0010	70	38 94101
38 0356	101	7.00 - 8.00	0.01	0.0010	70	38 94101
38 0357	101	8.00 - 9.00	0.01	0.0010	70	38 94101
38 0358	101	9.00 - 10.00	0.01	0.0010	70	38 94101
38 0341	41	1.00 - 5.00	0.10	0.0010	70	38 94041
38 0342	91	1.00 - 10.00	0.10	0.0010	70	38 94091
38 0343	91	0.50 - 5.00	0.05	0.0010	40/70	38 94091
38 0344	100	5.05 - 10.00	0.05	0.0010	70	38 94100
38 0345	100	10.05 - 15.00	0.05	0.0020	50	38 94100
38 0346	100	15.05 - 20.00	0.05	0.0020	50	38 94100

Other sizes available on request!

Pin holder find on page 240

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Precision Measuring Steel Pins

Other sizes available on request!



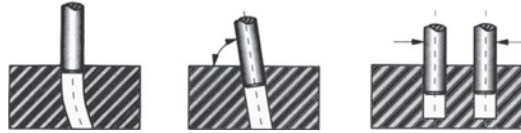
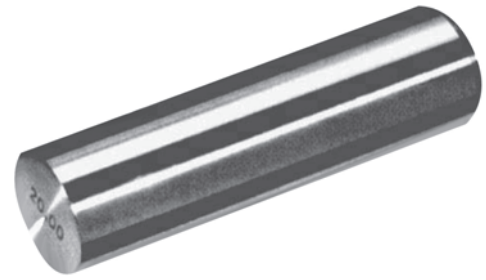
Singly Cylindrical Measuring Pins

DIN 2269

- for inspection and measuring of bores, bore distances, or as setting-gauge for measuring instruments
- for inspection of internal- and external-tooth system and many other application
- special chrome steel with high wearing quality and enough resistance to corrosion, hardened, finely ground and lapped

Option

- alloy steel handle, available at extra charge (when order the handle, specify the diameter also, please!)



ART N°	size- ϕ mm	$\begin{matrix} \text{max.} \\ \text{mm} \\ \pm \text{mm} \end{matrix}$	length mm	ART N° CC
38 05010...	0.10 - 1.00	0.0005	30	38 94501
38 05011...	0.10 - 0.99	0.0010	40	38 94501
38 05012...	1.00 - 3.00	0.0010	40	38 94501
38 05013...	1.00 - 3.00	0.0010	70	38 94501
38 05014...	3.01 - 6.00	0.0010	70	38 94501
38 05015...	6.01 - 10.20	0.0010	70	38 94501

ART N°	size- ϕ mm	$\begin{matrix} \text{max.} \\ \text{mm} \\ \pm \text{mm} \end{matrix}$	length mm	ART N° CC
38 05030 ...	10.00 - 12.00	0.0020	50	38 94501
38 05031 ...	12.01 - 14.00	0.0020	50	38 94501
38 05032 ...	14.01 - 16.00	0.0020	50	38 94501
38 05033 ...	16.01 - 18.00	0.0020	50	38 94501
38 05034 ...	18.01 - 20.05	0.0020	50	38 94501
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Pin Holder

- with marking "G" (Go) + "A" (No-Go)



ART N°	for pin- ϕ mm	ART N°	for pin- ϕ mm	ART N°	for pin- ϕ mm
38 1001	1 - 2	38 1003	4 - 6	38 1005	8 - 10
38 1002	2 - 4	38 1004	6 - 8	-	-



Precision Measuring Pins in a Set

- 75-pieces
- special chrome steel with high wearing quality and enough resistance to corrosion, hardened, finely ground and lapped
- nominal-size- ϕ 5 mm
- steps in ϕ m, tolerance ϕ 0.2 μ m
- with plastic-handles



ART N°	tolerance gradations μ m	KG	ART N° CC
38 0201	± 0 + 1/2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/18/20/22/24/26 28/30/35/40/45/50/55/60/65/70/75/80/85/90/95/100 - 1/2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/18/20/22/24/26 28/30/35/40/45/50/55/60/65/70/75/80/85/90/95/100	4.000	38 94201

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