





















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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Advantages of our Stainless Steel Rules

✓ We use very high quality German steel from steel plants

- steel code 1.4310
- due to the high chromium content has this steel best stainless steel attributes

✓ Our stainless steel rules are permitted in food industry and medical technology

- because we only use high quality steel (1.4310)
- because we have a special process for scaling / marking (etching technology)

Our etching technology does not require aggressive acids and no toxic paints.

Our environmental friendly etching technology is developed in 1993 by our own engineers.

For this reason we do have the permission to supply our stainless steel rules to the food industry and medical technology.

Other steel rule standards are not approved for these field in Europe.

Many manufacturers etch the scales and steel rules with aggressive acid. Afterwards the graduation is colored with toxic paint (mainly in black and red). But the color may be dissolved slowly in liquids.

That means these steel rules are not permitted in the tank construction and boiler industry: not for the drinks-, food industry and not for medical technology at all.

✓ Unique in the world:

Lengths from 4-16 meter in one piece, with high repeatability, acc. to workshop standard

- due to our unique production process we can provide you with extra ordinary lengths, with a high grade of repeatability

✓ Production of special-scales

- we offer interesting special scales for e.g. mechanical engineering, shipbuilding, container, tank- and boiler construction
- scales as desired, e.g. reading from bottom to top or from top to bottom (see pages 21-22)
- scales according to your specifications and drawings

✓ Accuracy of our steel rules and scales

- we manufacture acc. DIN 2004/22 class I and II, or acc. to workshop grade
- lengths from 300 - 4.000 mm acc. DIN 2004/22/ECII with MID available

**Any questions?
We are pleased to advise!**

✓ Calibration Certificates on request

tolerances according to EC Class I

total length graduation in ± mm	500	1000	1500	2000	3000	4000
permitted tolerance in ± mm	0.15	0.20	0.25	0.30	0.40	0.50

tolerances according to EC Class II

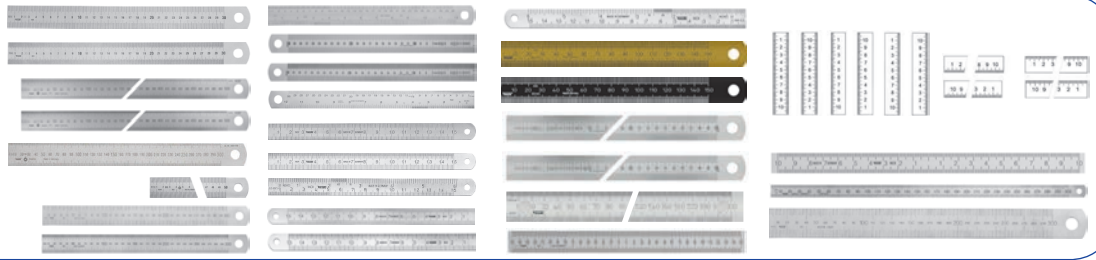
total length graduation in ± mm	500	1000	1500	2000	3000	4000
permitted tolerance in ± mm	0.40	0.50	0.60	0.70	0.90	1.10

tolerances according to British Standard (BS 4372:1968)

total length graduation in ± mm	150	300	500	1000
permitted tolerance in ± mm	0.10	0.10	0.20	0.25

1 a

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1 b

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1 c

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1 d

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1 e

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1 f

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- reading from left to right
- flexible version, small section
- stainless spring steel
- non glare, matt surface
- etched graduation for a clear reading

type A = mm / mm top and bottom 1/1 mm graduation

type B = 1/2 mm / mm top 1/2 mm and bottom 1/1 mm graduation

type C = inch / mm top 1/64 ; 1/32 and 1/16 inch graduation,
bottom 1/2 mm and 1/1 mm

Our steel rules from 500 mm up to 4000 mm are marked with the EC Code.
These steel rules conform to EC Class II and are qualified as reference pieces.
Therefore please order our calibration certificate together with the rule.

type A



type B



type C



ART N°			mm	mm	KG	ART N° CC
type A	type B	type C				
10 10010010	10 10020010	10 10030010	100	13 x 0.5	0.006	10 94001
10 10010015	10 10020015	10 10030015	150	13 x 0.5	0.008	10 94001
10 10010020	10 10020020	10 10030020	200	13 x 0.5	0.010	10 94001
10 10010025	10 10020025	10 10030025	250	13 x 0.5	0.012	10 94001
10 10010030	10 10020030	10 10030030	300	13 x 0.5	0.015	10 94001
10 12010015	10 12020015	10 12030015	150	18 x 0.5	0.013	10 94001
10 12010030	10 12020030	10 12030030	300	18 x 0.5	0.023	10 94001
10 12010040	10 12020040	10 12030040	400	18 x 0.5	0.028	10 94005
10 12010050	10 12020050	10 12030050	500	18 x 0.5	0.034	10 94005
10 12010100	10 12020100	10 12030100	1000	18 x 0.5	0.070	10 94010
10 12010150	10 12020150	10 12030150	1500	18 x 0.5	0.080	10 94015
10 12010200	10 12020200	10 12030200	2000	18 x 0.5	0.115	10 94020
10 12010250	10 12020250	10 12030250	2500	18 x 0.5	0.140	10 94025
10 12010300	10 12020300	10 12030300	3000	18 x 0.5	0.180	10 94030
10 12010350	10 12020350	10 12030350	3500	18 x 0.5	0.200	10 94035
10 12010400	10 12020400	10 12030400	4000	18 x 0.5	0.225	10 94040
10 12010500	10 12020500	-	5000	18 x 0.5	0.275	10 94050
10 12010600	10 12020600	-	6000	18 x 0.5	0.355	10 94060
10 16010050	10 16020050	10 16030050	500	20 x 1.0	0.080	10 94005
10 16010100	10 16020100	10 16030100	1000	20 x 1.0	0.150	10 94010
10 16010150	10 16020150	10 16030150	1500	20 x 1.0	0.230	10 94015
10 16010200	10 16020200	10 16030200	2000	20 x 1.0	0.280	10 94020
10 16010250	10 16020250	10 16030250	2500	20 x 1.0	0.370	10 94025
10 16010300	10 16020300	10 16030300	3000	20 x 1.0	0.450	10 94030
10 16010350	10 16020350	10 16030350	3500	20 x 1.0	0.530	10 94035
10 16010400	10 16020400	10 16030400	4000	20 x 1.0	0.610	10 94040
10 16010500	10 16020500	-	5000	20 x 1.0	0.730	10 94050
10 16010600	10 16020600	-	6000	20 x 1.0	0.890	10 94060

- reading from right to left
- flexible version, cross section
- stainless spring steel
- non glare, matt surface
- etched graduation for a clear reading

type A = mm / mm top and bottom 1/1 mm graduation

type B = ½ mm / mm top ½ mm and bottom 1/1 mm graduation

type C = inch / mm top 1/64 ; 1/32 and 1/16 inch graduation, bottom ½ mm and 1/1 mm

Our steel rules from 500 mm up to 4000 mm are marked with the EC Code.
These steel rules conform to EC Class II and are qualified as reference pieces.
Therefore please order our calibration certificate together with the rule.

type A



type B



type C



ART N°			mm			ART N° CC
type A	type B	type C				
10 11010010	10 11020010	10 11030010	100	13 x 0.5	0.006	10 94001
10 11010015	10 11020015	10 11030015	150	13 x 0.5	0.008	10 94001
10 11010020	10 11020020	10 11030020	200	13 x 0.5	0.010	10 94001
10 11010025	10 11020025	10 11030025	250	13 x 0.5	0.012	10 94001
10 11010030	10 11020030	10 11030030	300	13 x 0.5	0.015	10 94001
10 13010015	10 13020015	10 13030015	150	18 x 0.5	0.013	10 94001
10 13010030	10 13020030	10 13030030	300	18 x 0.5	0.023	10 94001
10 13010040	10 13020040	10 13030040	400	18 x 0.5	0.028	10 94005
10 13010050	10 13020050	10 13030050	500	18 x 0.5	0.034	10 94005
10 13010100	10 13020100	10 13030100	1000	18 x 0.5	0.070	10 94010
10 13010150	10 13020150	10 13030150	1500	18 x 0.5	0.080	10 94015
10 13010200	10 13020200	10 13030200	2000	18 x 0.5	0.115	10 94020
10 13010250	10 13020250	10 13030250	2500	18 x 0.5	0.140	10 94025
10 13010300	10 13020300	10 13030300	3000	18 x 0.5	0.180	10 94030
10 13010350	10 13020350	10 13030350	3500	18 x 0.5	0.200	10 94035
10 13010400	10 13020400	10 13030400	4000	18 x 0.5	0.225	10 94040
10 13010500	10 13020500	-	5000	18 x 0.5	0.275	10 94050
10 13010600	10 13020600	-	6000	18 x 0.5	0.355	10 94060
10 17010050	10 17020050	10 17030050	500	20 x 1.0	0.080	10 94005
10 17010100	10 17020100	10 17030100	1000	20 x 1.0	0.150	10 94010
10 17010150	10 17020150	10 17030150	1500	20 x 1.0	0.230	10 94015
10 17010200	10 17020200	10 17030200	2000	20 x 1.0	0.280	10 94020
10 17010250	10 17020250	10 17030250	2500	20 x 1.0	0.370	10 94025
10 17010300	10 17020300	10 17030300	3000	20 x 1.0	0.450	10 94030
10 17010350	10 17020350	10 17030350	3500	20 x 1.0	0.530	10 94035
10 17010400	10 17020400	10 17030400	4000	20 x 1.0	0.610	10 94040
10 17010500	10 17020500	-	5000	20 x 1.0	0.730	10 94050
10 17010600	10 17020600	-	6000	20 x 1.0	0.890	10 94060

BLUE-LINE Stainless Steel Rules
acc. to DIN 2004/22/ECII

• **reading from left to right**

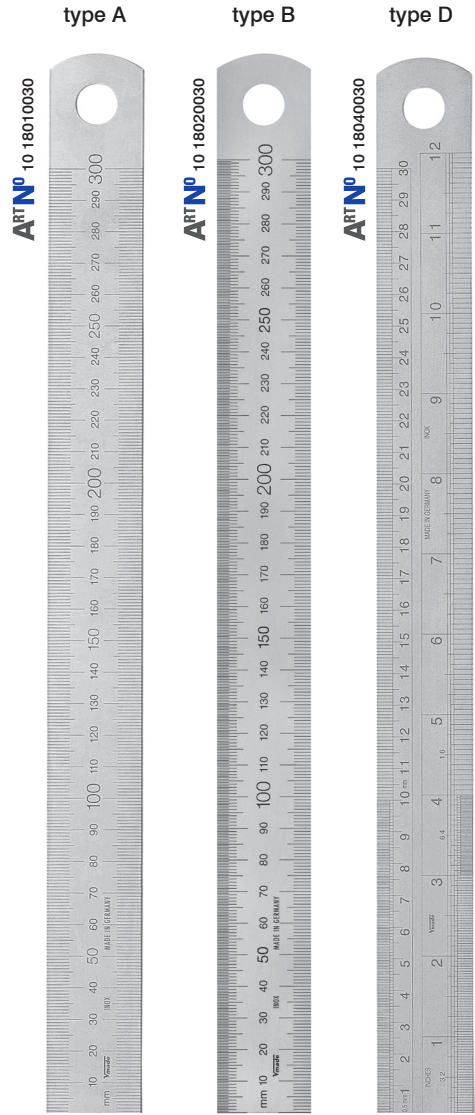
- semi rigid version, with wide cross section
- stainless spring steel
- non glare, matt surface
- etched graduation for a clear reading
- up to 2000 mm in a vinyl bag

type A = mm / mm top and bottom 1/1 mm graduation

type B = 1/2 mm / mm top 1/2 mm and bottom 1/1 mm graduation

type D = inch / mm top 1/64 ; 1/32 and 1/16 inch graduation,
bottom 1/2 mm and 1/1 mm

Our steel rules from 500 mm up to 4000 mm are marked with the EC Code.
These steel rules conform to EC Class II and are qualified as reference pieces.
Therefore please order our calibration certificate together with the rule.



ART N°			mm		KG	ART N° CC
type A	type B	type D				
10 18010030	10 18020030	10 18040030	300	30 x 1.0	0.070	10 94001
10 18010050	10 18020050	10 18040050	500	30 x 1.0	0.115	10 94005
10 18010060	10 18020060	10 18040060	600	30 x 1.0	0.140	10 94010
10 18010100	10 18020100	10 18040100	1000	30 x 1.0	0.245	10 94010
10 18010150	10 18020150	10 18040150	1500	30 x 1.0	0.360	10 94015
10 18010200	10 18020200	10 18040200	2000	30 x 1.0	0.480	10 94020
10 18010300	10 18020300	10 18040300	3000	30 x 1.0	0.710	10 94030
10 18010400	10 18020400	10 18040400	4000	30 x 1.0	0.950	10 94040
10 18010500	10 18020500	-	5000	30 x 1.0	1.180	10 94050
10 18010600	10 18020600	-	6000	30 x 1.0	1.410	10 94060
10 18010700	10 18020700	-	7000	30 x 1.0	1.650	10 94070
10 18010800	10 18020800	-	8000	30 x 1.0	1.890	10 94080
10 18010900	10 18020900	-	9000	30 x 1.0	2.115	10 94090
10 18011000	10 18021000	-	10000	30 x 1.0	2.350	10 94100
10 18011100	10 18021100	-	11000	30 x 1.0	2.585	10 94110
10 18011200	10 18021200	-	12000	30 x 1.0	2.820	10 94120
10 24010050	10 24020050	10 24040050	500	40 x 2.0	0.340	10 94005
10 24010100	10 24020100	10 24040100	1000	40 x 2.0	0.650	10 94010
10 24010150*	10 24020150*	10 24040150*	1500	40 x 2.0	0.950	10 94015
10 24010200*	10 24020200*	10 24040200*	2000	40 x 2.0	1.250	10 94020

- reading from right to left
- semi rigid version, with wide cross section
- stainless spring steel
- non glare, matt surface
- etched graduation for a clear reading
- up to 2000 mm in a vinyl bag

type A= mm / mm top and bottom 1/1 mm graduation

type B= ½ mm / mm top ½ mm and bottom 1/1 mm graduation

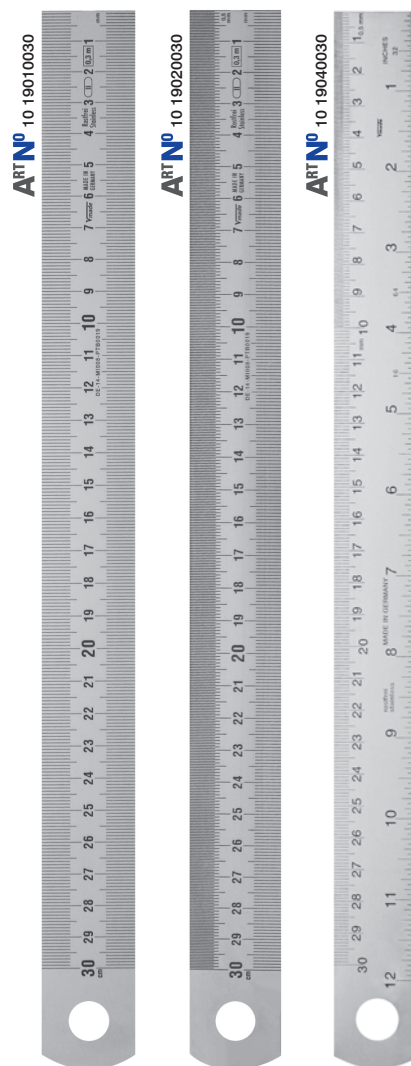
type D= inch / mm top 1/64 ; 1/32 and 1/16 inch graduation,
bottom ½ mm and 1/1 mm

Our steel rules from 500 mm up to 4000 mm are marked with the EC Code.
These steel rules conform to EC Class II and are qualified as reference pieces.
Therefore please order our calibration certificate together with the rule.

type A

type B

type D



ART N°			mm			ART N° CC
type A	type B	type D				
10 19010030	10 19020030	10 19040030	300	30 x 1.0	0.070	10 94001
10 19010050	10 19020050	10 19040050	500	30 x 1.0	0.115	10 94005
10 19010060	10 19020060	10 19040060	600	30 x 1.0	0.140	10 94010
10 19010100	10 19020100	10 19040100	1000	30 x 1.0	0.245	10 94010
10 19010150	10 19020150	10 19040150	1500	30 x 1.0	0.360	10 94015
10 19010200	10 19020200	10 19040200	2000	30 x 1.0	0.480	10 94020
10 19010300	10 19020300	10 19040300	3000	30 x 1.0	0.710	10 94030
10 19010400	10 19020400	10 19040400	4000	30 x 1.0	0.950	10 94040
10 19010500	10 19020500	-	5000	30 x 1.0	1.180	10 94050
10 19010600	10 19020600	-	6000	30 x 1.0	1.410	10 94060
10 19010700	10 19020700	-	7000	30 x 1.0	1.650	10 94070
10 19010800	10 19020800	-	8000	30 x 1.0	1.890	10 94080
10 19010900	10 19020900	-	9000	30 x 1.0	2.115	10 94090
10 19011000	10 19021000	-	10000	30 x 1.0	2.350	10 94100
10 19011100	10 19021100	-	11000	30 x 1.0	2.585	10 94110
10 19011200	10 19021200	-	12000	30 x 1.0	2.820	10 94120
10 25010050	10 25020050	10 25040050	500	40 x 2.0	0.340	10 94005
10 25010100	10 25020100	10 25040100	1000	40 x 2.0	0.650	10 94010
10 25010150*	10 25020150*	10 25040150*	1500	40 x 2.0	0.950	10 94015
10 25010200*	10 25020200*	10 25040200*	2000	40 x 2.0	1.250	10 94020

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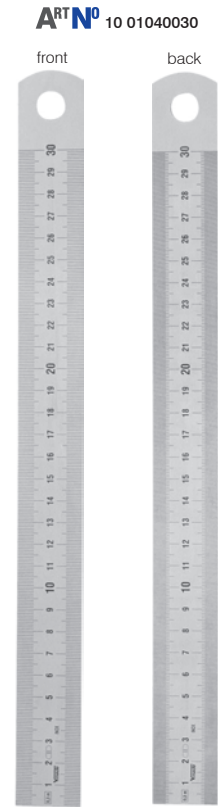
BLACK-LINE® **Stainless Steel Rules, matt chromed**
acc. to DIN 2004/22/ECII

- **graduations on front and back**
- graduation deeply etched and black chromed
- matt chromed, non glare surface
- stainless spring steel

front top and bottom 1/1 mm graduation
back top 1/2 mm and bottom 1/2 mm graduation



ART NO	mm		KG	ART NO CC
10 01040015	150	13 x 0.5	0.008	10 94001
10 01040030	300	13 x 0.5	0.015	10 94001
10 01240050	500	18 x 0.5	0.034	10 94005
10 01240100	1000	18 x 0.5	0.070	10 94010
10 01260030	300	30 x 1.0	0.070	10 94001
10 01260050	500	30 x 1.0	0.115	10 94005
10 01260100	1000	30 x 1.0	0.245	10 94010



RED-LINE® **Stainless Steel Rules, with laser engraving**
acc. to DIN 2004/22/ECII

- **reading from left to right or right to left**
- precise, deep graduation with laser engraved
- non glare, matt surface
- stainless spring steel
- with identification-no.

ART NO 10 18060030

Our steel rules up to 2000 mm conform to EC Class I and are qualified as reference pieces. Therefore please order our calibration certificate together with the rule. Because of the deep graduation, these rules are suitable especially where a high stress is required to scale.



ART NO	mm		KG	ART NO CC
graduation in mm/mm from left to right				
10 10060015	150	13 x 0.5	0.008	10 94001
10 10060030	300	13 x 0.5	0.015	10 94001
10 12060050	500	20 x 0.5	0.038	10 94005
10 12060100	1000	20 x 0.5	0.082	10 94010
10 18060030	300	30 x 1.0	0.070	10 94001
10 18060050	500	30 x 1.0	0.115	10 94005
10 18060100	1000	30 x 1.0	0.245	10 94010
10 18060200	2000	30 x 1.0	0.480	10 94020
graduation in mm/mm from right to left				
10 11060015	150	13 x 0.5	0.008	10 94001
10 11060030	300	13 x 0.5	0.015	10 94001
10 13060050	500	20 x 0.5	0.038	10 94005
10 13060100	1000	20 x 0.5	0.082	10 94010
10 19060030	300	30 x 1.0	0.070	10 94001
10 19060050	500	30 x 1.0	0.115	10 94005
10 19060100	1000	30 x 1.0	0.245	10 94010
10 19060200	2000	30 x 1.0	0.480	10 94020

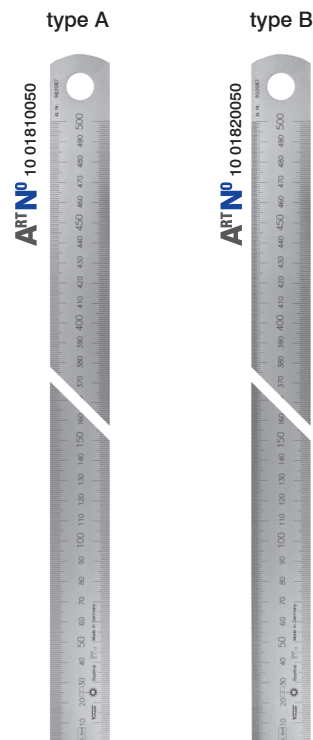


MASTER-LINE Stainless Steel Rules, with laser engraving
acc. to DIN 2004/22/ECII

- reading from left to right
- semi rigid version, with wide cross section
- stainless spring steel, with non glare, matt surface
- precise, deep graduation with laser engraved
- with identifications-no. and calibration certificate

type A= mm / mm top and bottom 1/1 mm graduation

type B= 1/2 mm / mm top 1/2 mm and bottom 1/1 mm graduation



Our steel rules from 500 mm up to 4000 mm are marked with the EC Code. These steel rules conform to EC Class II and are qualified as reference piece. Therefore please order our calibration certificate together with the rule. Because of the deep graduation, these rules are suitable especially where a high stress is required to scale.



ART N°		mm	mm	KG	CC
type A	type B				
10 01810050	10 01820050	500	30 x 2.0	0.220	inclusive
10 01810100	10 01820100	1000	30 x 2.0	0.490	inclusive
10 01810150*	10 01820150*	1500	30 x 2.0	0.715	inclusive
10 01810200*	10 01820200*	2000	30 x 2.0	0.950	inclusive
10 02410100	10 02420100	1000	40 x 2.0	0.650	inclusive
10 02410200*	10 02420200*	2000	40 x 2.0	1.250	inclusive

tolerances according to EC II						
total length in mm	500	1000	1500	2000	2500	3000
permitted tolerances in mm	0.40	0.50	0.60	0.70	0.80	0.90

RED-LINE Stainless Steel Rules, with laser engraving
acc. BS

- reading from left to right
- metric graduations conform to the tolerance requirements of British Standard (BS 4372:1968)
- stainless spring steel, with non glare, matt surface
- precise, deep graduation with laser engraved
- with identifications-no.



ART N°	mm	mm	KG	CC
10 26440050	500	30 x 2.0	0.220	10 94205
10 26440100	1000	30 x 2.0	0.490	10 94210

MASTER-LINE® Stainless Steel Rules, with etched scale

NEW

• Tolerance EC II, conform to MID-Code, CE

- precise, etched scale, with clear reading
- stainless steel, non-glare, matt surface
- semi-rigid, with wide cross-section

ART N° 10 18110050



Option

- Workshop calibration certificate and Ident.-No. with surcharge

ART N° 10 19110050



These Steel Rules are manufactured acc. to the MID and are qualified as reference or master pieces. Tolerance Class EC II.

- type A = mm / mm top and bottom with 1/1 mm graduation
 type B = ½ mm / mm top with 1/2 mm and bottom with 1/1 mm graduation



ART N° type A	ART N° type B	ART N° type A	ART N° type B	mm	mm	KG	ART N° CC
graduation left to right		graduation right to left					
10 18110050	10 18120050	10 19110050	10 19120050	500	30 x 1.0	0.115	10 94305
10 18110100	10 18120100	10 19110100	10 19120100	1000	30 x 1.0	0.245	10 94310
10 18110150	10 18120150	10 19110150	10 19120150	1500	30 x 1.0	0.360	10 94315
10 18110200	10 18120200	10 19110200	10 19120200	2000	30 x 1.0	0.480	10 94320
10 18110300	10 18120300	10 19110300	10 19120300	3000	30 x 1.0	0.710	10 94330
10 18110400	10 18120400	10 19110400	10 19120400	4000	30 x 1.0	0.950	10 94340
10 24110050	10 24120050	10 25110050	10 25120050	500	40 x 2.0	0.340	10 94305
10 24110100	10 24120100	10 25110100	10 25120100	1000	40 x 2.0	0.650	10 94310
10 24110200*	10 24120200*	10 25110200*	10 25120200*	2000	40 x 2.0	1.250	10 94320

MASTER-LINE® Stainless Steel Rules, with laser engraved scale

NEW

• Tolerance EC II, conform to MID-Code, CE

- precise and deep, laser engraved scale, with clear reading
- stainless steel, non-glare, matt surface
- semi-rigid, with wide cross-section

ART N° 10 08110050



Option

- Workshop calibration certificate and Ident.-No. with surcharge

ART N° 10 09110050



These Steel Rules are manufactured acc. to the MID and are qualified as reference or master pieces. Tolerance Class EC II.

- type A = mm / mm top and bottom with 1/1 mm graduation
 type B = ½ mm / mm top with 1/2 mm and bottom with 1/1 mm graduation



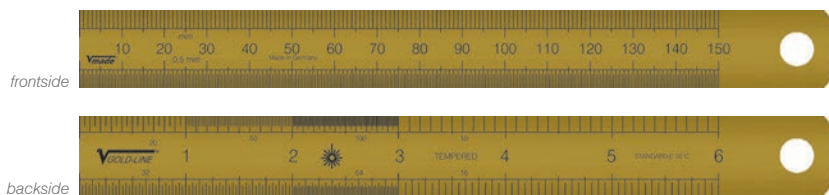
ART N° type A	ART N° type B	ART N° type A	ART N° type B	mm	mm	KG	ART N° CC
graduation left to right		graduation right to left					
10 08110050	10 08120050	10 09110050	10 09120050	500	30 x 1.0	0.115	10 94305
10 08110100	10 08120100	10 09110100	10 09120100	1000	30 x 1.0	0.245	10 94310
10 08110150	10 08120150	10 09110150	10 09120150	1500	30 x 1.0	0.360	10 94315
10 08110200	10 08120200	10 09110200	10 09120200	2000	30 x 1.0	0.480	10 94320
10 04110050	10 04120050	10 05110050	10 05120050	500	40 x 2.0	0.340	10 94305
10 04110100	10 04120100	10 05110100	10 05120100	1000	40 x 2.0	0.650	10 94310
10 04110200*	10 04120200*	10 05110200*	10 05120200*	2000	40 x 2.0	1.250	10 94320

V GOLD-LINE® Stainless Steel Rules, gold plated **NEW**

Tolerance acc. to EC II (2004/22/EC)

- graduation on front- and rearside
- reading from left to right

- precise, deep laser engraved scale
- non-glare, matt surface, with clear reading
- sea water resistant
- stainless steel, with gold plated surface



frontside 1/1 mm and 1/2 mm
backside 1/10; 1/16; 1/20; 1/32; 1/64; 1/50; 1/100 inch



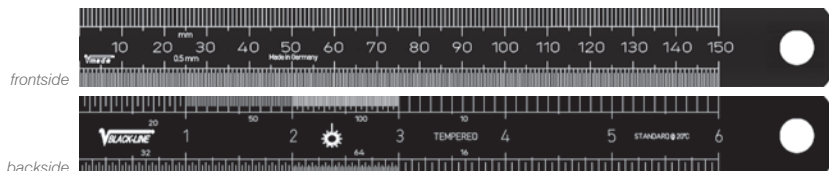
ART NO	mm / inch		KG	ART NO CC
10 26432015	150 / 6	18 x 0.5	0.013	10 94300
10 26432030	300 / 12	30 x 1.0	0.070	10 94301

V BLACK-LINE® Stainless Steel Rules, black anodized **NEW**

Tolerance acc. to EC II (2004/22/EC)

- graduation on front- and rearside
- reading from left to right

- precise, deep laser engraved scale
- non-glare, matt surface, with clear reading
- carbon spring steel, with black anodized surface



frontside 1/1 mm and 1/2 mm
backside 1/10; 1/16; 1/20; 1/32; 1/64; 1/50; 1/100 inch



ART NO	mm / inch		KG	ART NO CC
10 26431015	150 / 6	18 x 0.5	0.013	10 94300
10 26431030	300 / 12	30 x 1.0	0.070	10 94301
10 26431045	450 / 18	30 x 1.0	0.105	10 94302
10 26431060	600 / 24	30 x 1.0	0.140	10 94303
10 26431100	1000 / 40	30 x 1.0	0.245	10 94304

V MASTER-LINE® Stainless Steel Rules, with magnetic inserts **NEW**

Tolerance acc. to EC II (2004/22/EC)

- graduation on front- and rearside
- reading from left to right

- with two straight ends without whole
- precise, deep laser engraved scale
- non-glare, matt surface, with clear reading
- with detachable magnetic inserts
- stainless steel



frontside 1/2 mm und 1/1 mm



backside 1/32 und 1/64 inch



with magnetic inserts



ART NO	mm / inch		KG	ART NO CC
10 26433015	150 / 6	20 x 1.0	0.030	10 94300
10 26433030	300 / 12	30 x 1.0	0.070	10 94301
10 26433060	600 / 24	30 x 1.0	0.155	10 94302
10 26433090	900 / 36	30 x 1.0	0.210	10 94303
10 26433120	1200 / 48	30 x 1.0	0.280	10 94304

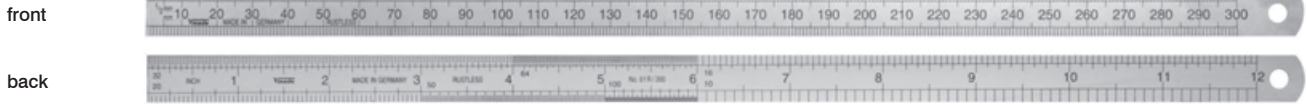
1a

BLUE-LINE® Stainless Steel Rules
metric graduations acc. to BS

- reading from left to right
- stainless spring steel
- non glare, matt surface
- etched graduation for a clear reading

front top ½ mm and bottom 1/1 mm graduation
back top 1/16; 1/32; 1/64 inch – bottom 1/10; 1/20; 1/50; 1/100 inch

ART N° 10 26330030



ART N°	mm / inch		KG	ART N° CC
10 26330015	150 / 6	13 x 0.5	0.008	10 94201
10 26330030	300 / 12	13 x 0.5	0.015	10 94201
10 26430015	150 / 6	18 x 0.5	0.013	10 94201
10 26430030	300 / 12	30 x 1.0	0.070	10 94201

tolerances according to British Standard (BS 4372: 1968)

	150	300	500	1000
total length graduation in ± mm				
permitted tolerance in ± mm	0.10	0.10	0.20	0.25

BLUE-LINE® Stainless Steel Rules
acc. to DIN 2004/22/ECII

- reading from left to right
- with conversion table on the backside
- etched graduation for a clear reading
- non glare, matt surface
- stainless spring steel

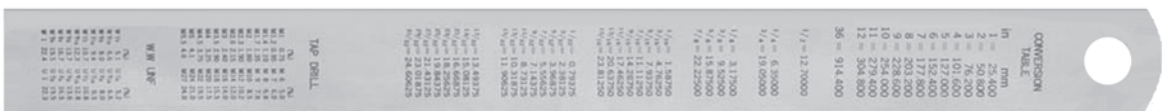
type A = mm / mm top and bottom 1/1 mm graduation
type B = ½ mm / mm top ½ mm and bottom 1/1 mm graduation
type C = ½ mm / mm/inch top ½ mm and 1/1 mm, bottom 1/64 ; 1/32 and 1/16 inch graduation

ART N° 10 55030030

type A front



type A back



ART N°	mm	mm		KG	ART N° CC
type A	type B	type C	type A + B	type C	
10 55030030	10 55050030	10 55040030	300	300 / 12	30 x 1.0 / 0.070 / 10 94001
10 55030050	10 55050050	10 55040050	500	500 / 20	30 x 1.0 / 0.115 / 10 94005
10 55030100	10 55050100	10 55040100	1000	1000 / 40	30 x 1.0 / 0.245 / 10 94010
10 55030200	10 55050200	10 55040200	2000	2000 / 80	30 x 1.0 / 0.480 / 10 94020




- stainless spring steel
- non glare, matt surface
- etched graduation for a clear reading
- graduation reading from left to right, zero-point in the middle
- top and bottom 1/1 mm graduation

ART^{NO} 10 18010030-0-



ART^{NO} 10 10010020-0-

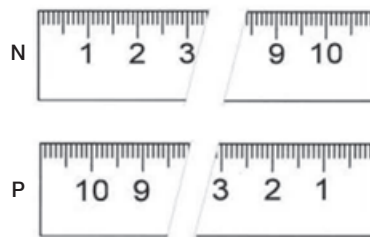
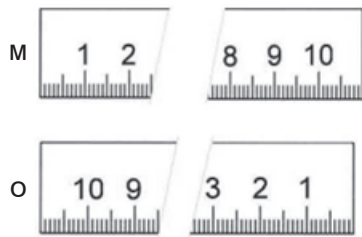
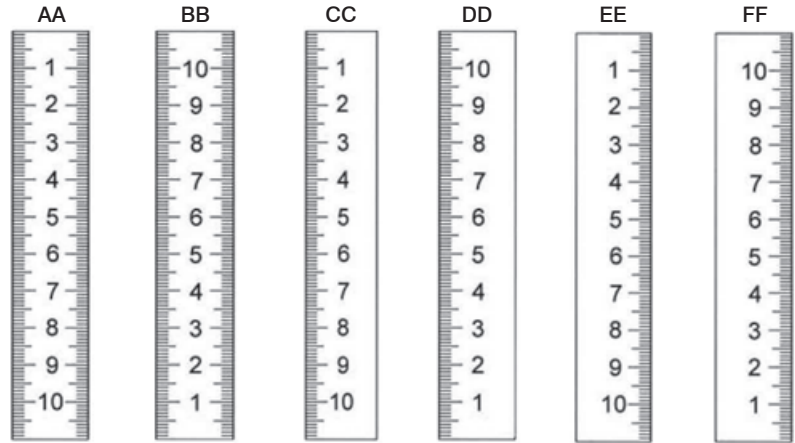


ART ^{NO}	 mm		 KG	ART ^{NO} CC
10 10010010-0-	50 - 0 - 50	13 x 0.5	0.006	10 94001
10 10010015-0-	75 - 0 - 75	13 x 0.5	0.008	10 94001
10 10010020-0-	100 - 0 - 100	13 x 0.5	0.010	10 94005
10 10010030-0-	150 - 0 - 150	13 x 0.5	0.015	10 94005
10 10010040-0-	200 - 0 - 200	13 x 0.5	0.020	10 94005
10 10010050-0-	250 - 0 - 250	13 x 0.5	0.025	10 94010
10 10010060-0-	300 - 0 - 300	13 x 0.5	0.030	10 94010
10 10010080-0-	400 - 0 - 400	13 x 0.5	0.040	10 94015
10 10010100-0-	500 - 0 - 500	13 x 0.5	0.050	10 94020
10 12010010-0-	50 - 0 - 50	18 x 0.5	0.010	10 94001
10 12010015-0-	75 - 0 - 75	18 x 0.5	0.013	10 94001
10 12010020-0-	100 - 0 - 100	18 x 0.5	0.015	10 94005
10 12010030-0-	150 - 0 - 150	18 x 0.5	0.023	10 94005
10 12010040-0-	200 - 0 - 200	18 x 0.5	0.028	10 94010
10 12010050-0-	250 - 0 - 250	18 x 0.5	0.034	10 94010
10 12010060-0-	300 - 0 - 300	18 x 0.5	0.041	10 94010
10 12010080-0-	400 - 0 - 400	18 x 0.5	0.056	10 94015
10 12010100-0-	500 - 0 - 500	18 x 0.5	0.069	10 94020
10 16010010-0-	50 - 0 - 50	20 x 1.0	0.016	10 94001
10 16010015-0-	75 - 0 - 75	20 x 1.0	0.024	10 94001
10 16010020-0-	100 - 0 - 100	20 x 1.0	0.032	10 94005
10 16010030-0-	150 - 0 - 150	20 x 1.0	0.048	10 94005
10 16010040-0-	200 - 0 - 200	20 x 1.0	0.071	10 94010
10 16010050-0-	250 - 0 - 250	20 x 1.0	0.075	10 94010
10 16010060-0-	300 - 0 - 300	20 x 1.0	0.096	10 94010
10 16010080-0-	400 - 0 - 400	20 x 1.0	0.128	10 94015
10 16010100-0-	500 - 0 - 500	20 x 1.0	0.150	10 94020
10 18010010-0-	50 - 0 - 50	30 x 1.0	0.023	10 94001
10 18010015-0-	75 - 0 - 75	30 x 1.0	0.035	10 94001
10 18010020-0-	100 - 0 - 100	30 x 1.0	0.047	10 94005
10 18010030-0-	150 - 0 - 150	30 x 1.0	0.070	10 94005
10 18010040-0-	200 - 0 - 200	30 x 1.0	0.095	10 94010
10 18010050-0-	250 - 0 - 250	30 x 1.0	0.123	10 94010
10 18010060-0-	300 - 0 - 300	30 x 1.0	0.140	10 94010
10 18010070-0-	350 - 0 - 350	30 x 1.0	0.165	10 94015
10 18010080-0-	400 - 0 - 400	30 x 1.0	0.196	10 94015
10 18010100-0-	500 - 0 - 500	30 x 1.0	0.246	10 94020
10 18010120-0-	600 - 0 - 600	30 x 1.0	0.280	10 94020
10 18010150-0-	750 - 0 - 750	30 x 1.0	0.360	10 94020
10 18010200-0-	1000 - 0 - 1000	30 x 1.0	0.492	10 94030
10 18010250-0-	1250 - 0 - 1250	30 x 1.0	0.606	10 94030
10 18010300-0-	1500 - 0 - 1500	30 x 1.0	0.720	10 94030
10 18010400-0-	2000 - 0 - 2000	30 x 1.0	0.985	10 94030
10 18010500-0-	2500 - 0 - 2500	30 x 1.0	1.231	10 94030

Rules in Special Design

BLUE-LINE® Stainless Steel Rules
acc. to workshop grade

- stainless spring steel
- non glare, matt surface
- etched graduation for a clear reading



ART N°						mm			ART N° CC
type AA	type BB	type CC	type DD	type EE	type FF				
10 30110030	10 40110030	10 30100030	10 40100030	10 30010030	10 40010030	300	18 x 0.5	0.019	10 94001
10 30110040	10 40110040	10 30100040	10 40100040	10 30010040	10 40010040	400	18 x 0.5	0.027	10 94005
10 30110050	10 40110050	10 30100050	10 40100050	10 30010050	10 40010050	500	18 x 0.5	0.034	10 94005
10 30110080	10 40110080	10 30100080	10 40100080	10 30010080	10 40010080	800	18 x 0.5	0.052	10 94010
10 30110100	10 40110100	10 30100100	10 40100100	10 30010100	10 40010100	1000	18 x 0.5	0.070	10 94010
10 30110150	10 40110150	10 30100150	10 40100150	10 30010150	10 40010150	1500	18 x 0.5	0.080	10 94015
10 30110200	10 40110200	10 30100200	10 40100200	10 30010200	10 40010200	2000	18 x 0.5	0.115	10 94020
10 30110250	10 40110250	10 30100250	10 40100250	10 30010250	10 40010250	2500	18 x 0.5	0.140	10 94025
10 30110300	10 40110300	10 30100300	10 40100300	10 30010300	10 40010300	3000	18 x 0.5	0.180	10 94030
10 30110350	10 40110350	10 30100350	10 40100350	10 30010350	10 40010350	3500	18 x 0.5	0.200	10 94035
10 30110400	10 40110400	10 30100400	10 40100400	10 30010400	10 40010400	4000	18 x 0.5	0.225	10 94040
10 30110500	10 40110500	10 30100500	10 40100500	10 30010500	10 40010500	5000	18 x 0.5	0.275	10 94050
10 30110600	10 40110600	10 30100600	10 40100600	10 30010600	10 40010600	6000	18 x 0.5	0.355	10 94060
10 30110800	10 40110800	10 30100800	10 40100800	10 30010800	10 40010800	8000	18 x 0.5	0.450	10 94080
10 30111000	10 40111000	10 30101000	10 40101000	10 30011000	10 40011000	10000	18 x 0.5	0.710	10 94100

ART N°				mm			ART N° CC
type M	type N	type O	type P				
10 26150015	10 26160015	10 27150015	10 27160015	150	13 x 0.5	0.008	10 94001
10 26150030	10 26160030	10 27150030	10 27160030	300	13 x 0.5	0.015	10 94001
10 26250050	10 26260050	10 27250050	10 27260050	500	18 x 0.5	0.034	10 94005
10 26250100	10 26260100	10 27250100	10 27260100	1000	18 x 0.5	0.070	10 94010
10 26250150	10 26260150	10 27250150	10 27260150	1500	18 x 0.5	0.080	10 94015
10 26250200	10 26260200	10 27250200	10 27260200	2000	18 x 0.5	0.115	10 94020
10 26250250	10 26260250	10 27250250	10 27260250	2500	18 x 0.5	0.140	10 94025
10 26250300	10 26260300	10 27250300	10 27260300	3000	18 x 0.5	0.180	10 94030
10 26250350	10 26260350	10 27250350	10 27260350	3500	18 x 0.5	0.200	10 94035
10 26250400	10 26260400	10 27250400	10 27260400	4000	18 x 0.5	0.225	10 94040
10 26250500	10 26260500	10 27250500	10 27260500	5000	18 x 0.5	0.275	10 94050
10 26250600	10 26260600	10 27250600	10 27260600	6000	18 x 0.5	0.355	10 94060

Circumference Measuring Tapes

BLUE-LINE® Circumference Measuring Tape „UFM“ acc. to DIN 2004/22/ECI or ECII

ART NO 18 1601

- with etched or laser engraved scale
- for measuring diameters and circumferences
- application areas are among others manufacturers of: pipelines, boiler and tank construction, tire industry, forestry, etc.
- graduation in mm or inch available
- accuracy of total length with etched metric graduation according to EC II
- accuracy of total length with laser engraved metric graduation according to EC I
- hardened spring steel or stainless steel



Graduation: mm
Version: etched



ART NO stainless	ART NO carbon steel	circumference mm	diameter mm	mm		KG	ART NO CC
18 1601	18 1611	60 - 950	20 - 300	0.1	16 x 0.20	0.080	18 94001
18 1602	18 1612	940 - 2200	300 - 700	0.1	16 x 0.20	0.110	18 94002
18 1603	18 1613	2190 - 3460	700 - 1100	0.1	16 x 0.20	0.160	18 94003
18 1604	18 1614	3450 - 4720	1100 - 1500	0.1	16 x 0.20	0.190	18 94004
18 1605	18 1615	4710 - 5980	1500 - 1900	0.1	16 x 0.20	0.215	18 94005
18 1606	18 1616	5960 - 7230	1900 - 2300	0.1	16 x 0.20	0.250	18 94006
18 1607	18 1617	7220 - 8500	2300 - 2700	0.1	16 x 0.20	0.285	18 94007
18 1608	18 1618	8480 - 9760	2700 - 3100	0.1	16 x 0.20	0.305	18 94008
18 1609	18 1619	9730 - 11010	3100 - 3500	0.1	16 x 0.20	0.350	18 94009

Graduation: mm
Version: laser engraved



ART NO stainless	ART NO carbon steel	circumference mm	diameter mm	mm		KG	ART NO CC
18 1801	18 1811	60 - 950	20 - 300	0.1	16 x 0.20	0.080	18 94001
18 1802	18 1812	940 - 2200	300 - 700	0.1	16 x 0.20	0.110	18 94002
18 1803	18 1813	2190 - 3460	700 - 1100	0.1	16 x 0.20	0.160	18 94003
18 1804	18 1814	3450 - 4720	1100 - 1500	0.1	16 x 0.20	0.190	18 94004
18 1805	18 1815	4710 - 5980	1500 - 1900	0.1	16 x 0.20	0.215	18 94005
18 1806	18 1816	5960 - 7230	1900 - 2300	0.1	16 x 0.20	0.250	18 94006
18 1807	18 1817	7220 - 8500	2300 - 2700	0.1	16 x 0.20	0.285	18 94007
18 1808	18 1818	8480 - 9760	2700 - 3100	0.1	16 x 0.20	0.305	18 94008
18 1809	18 1819	9730 - 11010	3100 - 3500	0.1	16 x 0.20	0.350	18 94009

Graduation: inch
Version: laser engraved



ART NO stainless	ART NO carbon steel	circumference inch	diameter inch	inch		KG	ART NO CC
18 1901	18 1911	2.0 - 38.0	0.8 - 12.0	0.002 / 0.01	16 x 0.20	0.080	18 94001
18 1902	18 1912	37.0 - 87.0	12.0 - 28.0	0.002 / 0.01	16 x 0.20	0.110	18 94002
18 1903	18 1913	86.0 - 136.5	28.0 - 43.5	0.002 / 0.01	16 x 0.20	0.160	18 94003
18 1904	18 1914	136.0 - 186.0	43.5 - 59.0	0.002 / 0.01	16 x 0.20	0.190	18 94004
18 1905	18 1915	185.5 - 236.0	59.0 - 75.0	0.002 / 0.01	16 x 0.20	0.215	18 94005
18 1906	18 1916	235.5 - 285.0	75.0 - 91.0	0.002 / 0.01	16 x 0.20	0.250	18 94006

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Digital Measuring Wheels

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11

DIGI PLUS-LINE® Electr. Digital Measuring Wheel • IP51

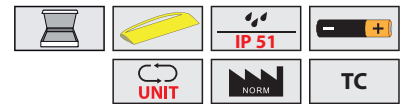
- lightweight construction made of aluminium
- rugged construction, for outdoor use, with battery
- large LCD display, with back-light
- dust- and drop-water resistant key panel
- On/Off – button, memory key, memory recall function, clear button
- 5 singly memory spaces
- reading in meter and feet
- ergonomic styled handle made of ABS plastic
- plastic made measuring wheel with rubber cover and stand for parking
- area of application from up -10° ~ +45°C
- incl. 2x 1.5 V battery (type AAA, art.-no.: 60 9283), with operation manual
- delivery with carrying bag with lanyard, packed in a carton box



wheel with stand



handle



ART NO	m / ft	m	± %	measuring wheel ø mm	mm	KG
14 0200	10,000 / 9,999.9	0.1	0.5	160	1100 x 170 x 60	0.755

DIGI PLUS-LINE® Electr. Digital Measuring Wheel • IP51

- lightweight construction made of black lacquered steel
- rugged foldable construction, for outdoor use, with battery
- large LCD display, 12 mm height of digits, with back-light
- dust- and drop-water resistant key panel
- On/Off-button, autom. shut-off after approx. 3 min.
- "Smart Wheel"-function (autom. includes wheel-diameter for accurate wall-to-wall measurements)
- Start/Stop Mode, prevents accidental measurements
- HOLD function, memory function, reset button
- reading in Meter / Feet / Yard / m² / feet² / yard² / m³ / feet³ / yard³
- plastic made measuring wheel with rubber cover and stand for parking
- area of application from up -10° ~ +60°C, handle made of ABS plastic
- incl. 4x 1.5 V battery (type AAA, art.-no.: 60 9283), with operation manual
- delivery with carrying bag with lanyard



measuring wheel folded



operation panel

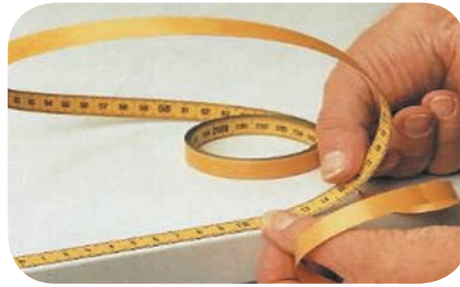


ART NO	m / ft	m	± %	measuring wheel ø mm	mm	KG
14 0210	999,999 / 999,999.9	0.1	0.5	318	1122 x 318 x 85	1.600

★★★★★ BLUE-LINE® Steel Measuring Tape

- e.g. for machine industry, workbenches, etc.
- polyamid coated • adhesive
- wear off resistant and non corrosive graduation

Other length and graduations are available on request!



ART NO	inch	mm		KG
graduation from left to right				
12 11310100	-	1000	13 x 0.5	0.050
12 11310200	-	2000	13 x 0.5	0.100
12 11310300	-	3000	13 x 0.5	0.150
12 11310400	-	4000	13 x 0.5	0.200
12 11310500	-	5000	13 x 0.5	0.250
12 11310600	-	6000	13 x 0.5	0.300
12 12310100	40	-	13 x 0.5	0.050
12 12310200	80	-	13 x 0.5	0.100
12 12310300	120	-	13 x 0.5	0.150
12 12310400	160	-	13 x 0.5	0.200
12 12310500	200	-	13 x 0.5	0.250
12 12310600	240	-	13 x 0.5	0.300
graduation from right to left				
12 11410100	-	1000	13 x 0.5	0.050
12 11410200	-	2000	13 x 0.5	0.100
12 11410300	-	3000	13 x 0.5	0.150
12 11410400	-	4000	13 x 0.5	0.200
12 11410500	-	5000	13 x 0.5	0.250
12 11410600	-	6000	13 x 0.5	0.300
12 12410100	40	-	13 x 0.5	0.050
12 12410200	80	-	13 x 0.5	0.100
12 12410300	120	-	13 x 0.5	0.150
12 12410400	160	-	13 x 0.5	0.200
12 12410500	200	-	13 x 0.5	0.250
12 12410600	240	-	13 x 0.5	0.300

★★★★★ BLUE-LINE® Wood Folding Rule

EC III acc. to MID, CE

- surface coated with a water repellent, environmentally friendly UV-finish
- absolutely professional top tool, extremely sturdy and durable
- with double mm graduation on front and back or with double mm graduation on front and inch graduation on back
- with 10 links, closely spaced fins, fitting springs back
- with standard angle imprint at the 2nd link
- assembled with special 3mm rivets
- precise 90° angle locking and ruler function
- optimal leverage and handy to use

Other colours are available on request.
Also with advertising available, on request, please!



ART NO 13 12010200



ART NO	mm / inch	colour	each link	L x W in total	number of links	KG
13 12010200	2000 / -	white	3.2 x 16	235 x 35	10	0.105
13 12030200	2000 / 80	white	3.2 x 16	235 x 35	10	0.105

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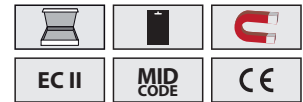
Pocket Measuring Tapes

★★★★★ BLUE-LINE® Pocket Measuring Tape EC II

- exceptional tape stability
- suitable for craftsmen and industry
- ergonomic design
- lies save and non slip in your hand
- rugged and rubber covered housing with stainless metal clip and lanyard
- yellow coated blade, high rubb-off resistant and kink resistant
- self adjusting end-hook, with magnetic dots
- long-life spring made of special steel, automatic blade return and blade stop
- black/red figures, black scale
- from up to 25 mm blade with 3 rivets fixed



with hanging card



ART No	order quantity	ART No	order quantity	graduation in mm	max. ± mm	mm	mm	mm	KG
graduation in mm									
14 1003	1 - 120	14 1003/121	121 - >	3 m	0.9	16	65x65x35	1400	0.148
14 1005	1 - 120	14 1005/121	121 - >	5 m	1.3	19	65x73x35	1750	0.254
14 1008	1 - 60	14 1008/61	61 - >	8 m	1.8	25	80x85x40	2100	0.426
14 1010	1 - 60	14 1010/61	61 - >	10 m	1.8	25	80x85x40	2100	0.525
graduation in mm/inch									
14 1103	1 - 120	14 1103/121	121 - >	3 m / 10 ft	0.9	16	65x65x35	1400	0.148
14 1105	1 - 120	14 1105/121	121 - >	5 m / 16 ft	1.3	19	65x73x35	1750	0.254
14 1108	1 - 60	14 1108/61	61 - >	8 m / 27 ft	1.8	25	80x85x40	2100	0.426
14 1110	1 - 60	14 1110/61	61 - >	10 m / 33 ft	1.8	25	80x85x40	2100	0.525

★★★★★ BLUE-LINE® Pocket Measuring Tape, in stainless steel metal housing EC II

- exceptional tape stability
- suitable for craftsmen and industry
- with graduation on front- a. backside
- backside with crosswise graduation for comfortable vertical reading
- autom. blade-stop
- lies save and non slip in your hand
- rugged and rubber covered housing, with stainless metal clip and lanyard
- yellow coated blade, high rubb-off resistant and kink resistant
- self adjusting end-hook, with magnetic dots
- long-life spring made of special steel, automatic blade return and blade stop
- black/red figures, black scale
- from up to 25 mm blade with 3 rivets fixed



with robust hanging card



backside: vertical reading



ART No	order quantity	ART No	order quantity	graduation in mm	max. ± mm	mm	mm	mm	KG
14 1403	1 - 120	14 1403/121	121 - >	3	0.9	19	80 x 75 x 35	1750	0.200
14 1405	1 - 120	14 1405/121	121 - >	5	1.3	25	80 x 75 x 42	2100	0.310
14 1408	1 - 60	14 1408/61	61 - >	8	1.8	25	80 x 75 x 42	2100	0.470

Digital Measuring Tape and Laser Distance Measurer

★★★★★ DIGI PLUS-LINE® Electr. Digital Measuring Tape

- exceptional tape stability • LCD display with clear digits
- weatherproof housing • lies save and non slip in your hand
- rugged and rubber covered housing with stainless metal clip and lanyard
- yellow coated blade, high rubb-off resistant
- self adjusting end-hook, automatic blade return and blade stop
- adjustable readout in display from either side of the housing, mm/inch switchable
- black/red figures, black graduation, no holes punched in the blade
- zero setting at any position, with data hold function, On/Off button
- incl. 1x 3 V battery (type CR2032, art.-no.: 20 02093), and operation manual

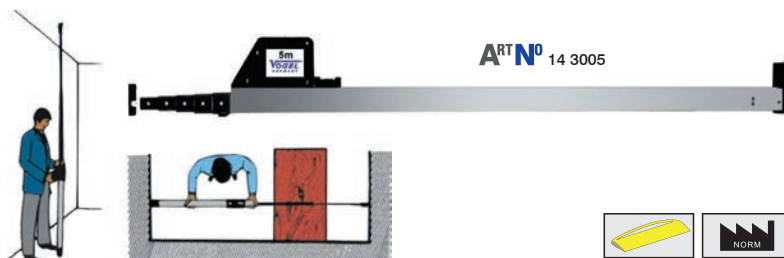


ART NO	mm / inch	mm	± mm	mm	mm	mm	KG	ART NO CC
14 0105	5 m / 16 ft	1	1.5	19	75 x 70 x 32	1700	0.212	14 94105

★★★★★ BLUE-LINE® Telescopic Measuring Rod

with analoguous reading display at eye level

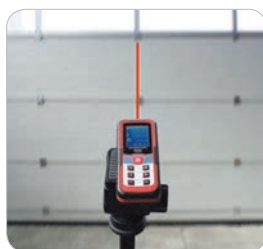
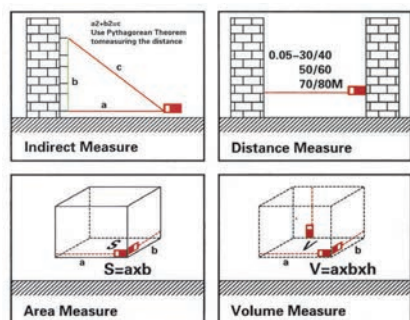
- for distance measurement
- suitable for craftsmen and construction
- made of weatherproof aluminium, elements can be locked individually
- with two vials, for adjustment of horizontal and vertical reading
- window for reading the measuring length



ART NO	mm	mm	KG
14 3003	710 - 3000	710 x 120 x 40	1.600
14 3005	1045 - 5000	1045 x 120 x 40	2.110
14 3008	1700 - 8000	1540 x 120 x 40	2.900

★★★★★ DIGI PLUS-LINE® Laser Distance Meter • IP41 **NEW**

- modern device with colour display
- the instrument measures distance, area and volume
- distances can be added or subtracted
- indirect measuring for height measuring
- calculation of angles and triangular areas, trapezoidal faces and much more
- Pythagoras-Function 1: calculation of distance using two related measurements
- Pythagoras-Function 2: calculation of distance using two related measurements
- „low-battery-display“, with backlight, memory function for 20 measurements
- measuring in meter, inch or engl. feet, measurement speed 0.5 sec.
- autom. power off: laser beam after ~20 sec., device after ~5 min.
- operation temperature -10° ~ +40°C, storage temperature -20° ~ +60° C
- user-friendly rubber buttons, sound signal by pressing the buttons
- laser class II, FCC test part 15, EN 60825-1:2007 and others
- laser parameter 620 - 660nm, output max.1mW
- carrying bag with belt loop, hand loop, 2 x 1.5 V battery (type AAA, art. no. 60 9283) and operation manual



ART NO	m	m	± mm	nm	mW	mm	KG	ART NO CC
14 0130	0.5 - 80	0.001	2	650	max. 1	120 x 50 x 25	0.130	14 94100

Measuring Tapes

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Measuring Tape with aluminium diagonal frame EC II

NEW

ART N° 14 2511



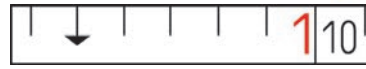
- in a robust and rigid aluminium diagonal frame
- ergonomic handle
- crank core with metal shaft, ensures fatigue-free measurement work
- lasting ease of the tape when rolling in and out
- with different beginnings for the tapes
- measuring tape in steel, white lacquered or in stainless Cr-Ni steel available
- graduation in mm, onesided

beginning of tape

type A



type B



steel, white lacquered



stainless, Cr-Ni steel



EC II

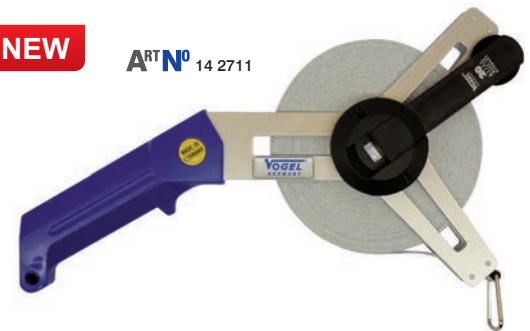
ART N°	type	m	mm	KG
14 2501	type A steel, white lacquered	20	13	0.700
14 2502		30	13	0.800
14 2503		50	13	1.200
14 2511	type B steel, white lacquered	20	13	0.700
14 2512		30	13	0.800
14 2513		50	13	1.200
14 2601	type A stainless, Cr-Ni steel	20	13	0.700
14 2602		30	13	0.800
14 2603		50	13	1.200
14 2611	type B stainless, Cr-Ni steel	20	13	0.700
14 2612		30	13	0.800
14 2613		50	13	1.200



Measuring Tape with aluminium diagonal triangle frame EC II

NEW

ART N° 14 2711



- in a robust and rigid aluminium diagonal triangle frame
- ergonomic handle
- crank core with metal shaft, ensures fatigue-free measurement work
- lasting ease of the tape when rolling in and out
- with different beginnings for the tapes
- measuring tape in white fiberglass or in yellow steel/polyamid available
- graduation in cm, onesided

beginning of tape

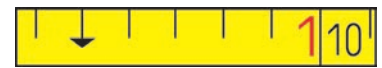
type A



type B



fiberglass, white



steel/polyamid, yellow



fiberglass with metal ring



steel/polyamid with plastic ring



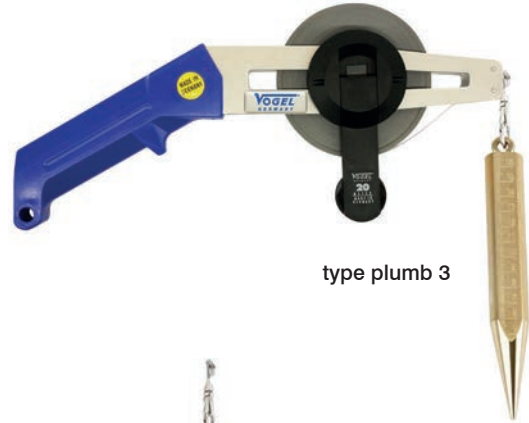
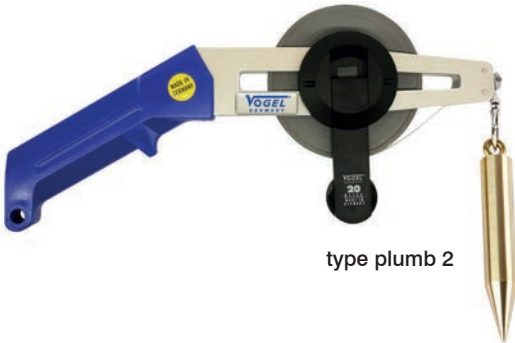
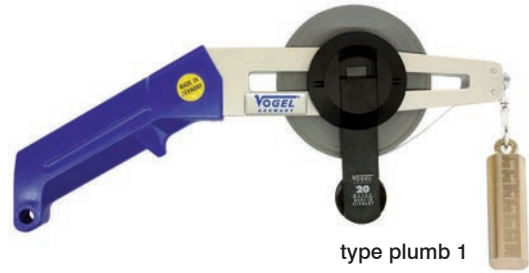
EC II

ART N°	type	m	mm	KG
14 2701	type A fiberglass, white	20	13	0.600
14 2702		30	13	0.700
14 2703		50	13	0.900
14 2711	type B fiberglass, white	20	13	0.600
14 2712		30	13	0.700
14 2713		50	13	0.900
14 2801	type A steel/polyamid, yellow	20	13	0.700
14 2802		30	13	0.900
14 2803		50	13	1.400
14 2811	type B steel/polyamid, yellow	20	13	0.700
14 2812		30	13	0.900
14 2813		50	13	1.400

BLUE-LINE® Measuring Tape with aluminium diagonal frame

- for measurements of tanks and depths
- plumbs are connected by swivel snap hook with the band
- in a robust and rigid aluminium diagonal frame
- ergonomic handle
- crank core with metal shaft, ensures fatigue-free measurement work
- lasting ease of the tape when rolling in and out
- with different plumbs made of brass
- measuring tape made of carbon steel or stainless steel available
- graduation high etched
- graduation on front in mm/cm, on back in inch/Ft

NEW



plumb, no. 1
brass, cylindrical, double-sided flattened, 70 mm long, ø 25 mm, graduation: mm/-, mm/mm, mm/inch, weight: 240 g



plumb no. 2
brass, cylindrical, 120 mm long, ø 20 mm, without graduation, weight: 260 g



plumb no. 3
brass, cylindrical, double-sided flattened, 170 mm long, ø 25 mm, graduation: mm/-, mm/mm, mm/inch, weight: 470 g



steel, high etched



stainless steel, high etched



ART NO	type	m / Ft.		mm	KG
		mm	Ft.		
14 2521	plumb 1 carbon steel	10	32	13	0.800
14 2522		20	65	13	0.900
14 2523		30	98	13	1.100
14 2525		50	164	13	1.500
14 2531	plumb 2 carbon steel	10	32	13	0.800
14 2532		20	65	13	1.000
14 2533		30	98	13	1.100
14 2535		50	164	13	1.500
14 2541	plumb 3 carbon steel	10	32	13	1.000
14 2542		20	65	13	1.200
14 2543		30	98	13	1.400
14 2545		50	164	13	1.800
14 2621	plumb 1 stainless steel	10	32	13	0.800
14 2622		20	65	13	0.900
14 2623		30	98	13	1.100
14 2625		50	164	13	1.500
14 2631	plumb 2 stainless steel	10	32	13	0.800
14 2632		20	65	13	1.000
14 2633		30	98	13	1.200
14 2635		50	164	13	1.500
14 2641	plumb 3 stainless steel	10	32	13	1.000
14 2642		20	65	13	1.200
14 2643		30	98	13	1.400
14 2645		50	164	13	1.800

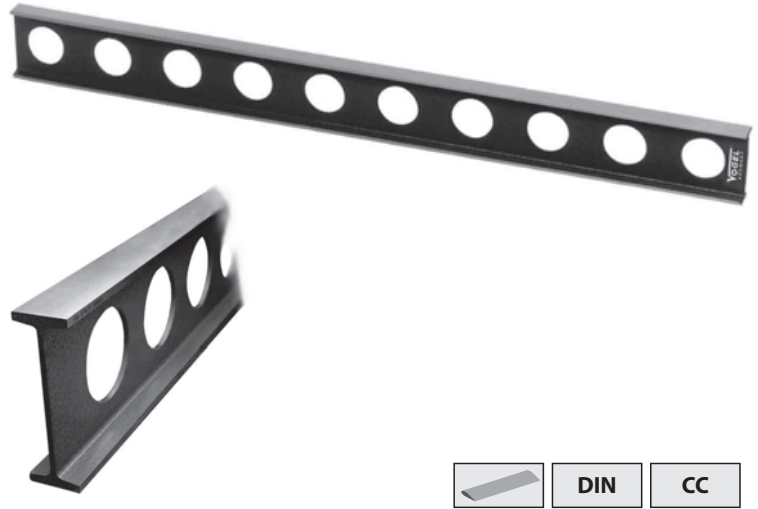
Straight Edges

Notice
We charge transport- and packing-costs for article marked with *!



Precision Straight Edge DIN 874

- accuracy acc. to DIN 874 page 1, accuracy GG 0
- made of steel
- shaped in I-form
- with weight reducing holes
- measuring surfaces extra fine ground
- with wide flat sides for resting spirit levels
- incl. calibration certificate

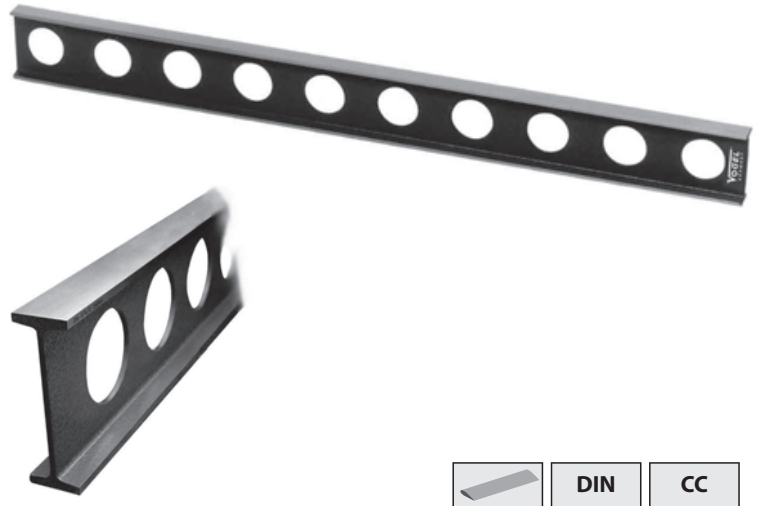


ART N° DIN 874 GG 0					ART N° wooden case
15 80010100*	1000	160 x 50	12.500	inclusive	15 998100*
15 80010150*	1500	160 x 50	19.000	inclusive	15 998150*
15 80010200*	2000	160 x 50	25.000	inclusive	15 998200*
15 80010250*	2500	160 x 50	32.000	inclusive	15 998250*
15 80010300*	3000	180 x 60	45.000	inclusive	15 998300*
15 80010400*	4000	180 x 60	59.000	inclusive	15 998400*
15 80010500*	5000	200 x 80	100.000	inclusive	15 998500*



Precision Straight Edge DIN 874

- accuracy acc. to DIN 874 page 1, accuracy GG 1
- made of steel
- shaped in I-form
- with weight reducing holes
- measuring surfaces extra fine grinded
- with wide flat sides for resting spirit levels
- incl. calibration certificate



ART N° DIN 874 GG 1					ART N° wooden case
15 81010100*	1000	100 x 30	5.000	inclusive	15 998100/1*
15 81010150*	1500	100 x 30	9.500	inclusive	15 998150/1*
15 81010200*	2000	120 x 40	16.000	inclusive	15 998200/1*
15 81010250*	2500	120 x 40	21.000	inclusive	15 998250/1*
15 81010300*	3000	140 x 40	34.000	inclusive	15 998300/1*
15 81010400*	4000	140 x 40	48.000	inclusive	15 998400/1*
15 81010500*	5000	160 x 40	60.000	inclusive	15 998500/1*

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Precision Straight Edge DIN 874

- Quality DIN 874 page 1, accuracy GG 0
- made of steel
- edges and flat sides extra fine ground
- stainless and carbon steel quality available
- incl. calibration certificate
- from up 2000 mm length shaped in I-form, with hand slots
- Quality DIN 874 page 1, accuracy GG 1
- made of steel
- edges and flat sides finely ground
- stainless and carbon steel quality available
- incl. calibration certificate
- from up 2000 mm length shaped in I-form, with hand slots
- accuracy acc. to DIN 874 page 1, accuracy GG 2
- made of steel
- edges finely ground and flat sides ground
- stainless and carbon steel quality available
- incl. calibration certificate
- from up 2000 mm length shaped in I-form, with hand slots



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



ART N° DIN 874 GG 0 INOX	ART N° DIN 874 GG 0					ART N° wooden case
15 90000050	15 90010050	500	50 x 10	2.0	inclusive	15 990050
15 90000100*	15 90010100*	1000	60 x 12	5.7	inclusive	15 990100*
15 90000150*	15 90010150*	1500	70 x 15	12.4	inclusive	15 990150*
15 90000200*	15 90010200*	2000	80 x 15	13.0	inclusive	15 990200*
15 90000300*	15 90010300*	3000	120 x 18	36.0	inclusive	15 990300*
15 90000400*	15 90010400*	4000	140 x 20	62.0	inclusive	15 990400*
15 90000500*	15 90010500*	5000	140 x 20	77.0	inclusive	15 990500*

DIN 874 GG 1 INOX	DIN 874 GG 1					
15 91000050	15 91010050	500	40 x 8	1.3	inclusive	15 990050/1
15 91000100*	15 91010100*	1000	50 x 10	4.0	inclusive	15 990100/1*
15 91000150*	15 91010150*	1500	60 x 12	8.4	inclusive	15 990150/1*
15 91000200*	15 91010200*	2000	70 x 15	12.0	inclusive	15 990200/1*
15 91000300*	15 91010300*	3000	100 x 16	26.0	inclusive	15 990300/1*
15 91000400*	15 91010400*	4000	120 x 18	48.0	inclusive	15 990400/1*
15 91000500*	15 91010500*	5000	140 x 20	77.0	inclusive	15 990500/1*

DIN 874 GG 2 INOX	DIN 874 GG 2					
15 92000050	15 92010050	500	30 x 6	0.7	inclusive	15 990050/2
15 92000100*	15 92010100*	1000	40 x 8	2.5	inclusive	15 990100/2*
15 92000150*	15 92010150*	1500	50 x 10	5.8	inclusive	15 990150/2*
15 92000200*	15 92010200*	2000	60 x 12	11.2	inclusive	15 990200/2*
15 92000300*	15 92010300*	3000	80 x 15	28.2	inclusive	15 990300/2*
15 92000400*	15 92010400*	4000	100 x 16	35.0	inclusive	15 990400/2*

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Straight Edges



- cross-section in I-form
- made of aluminium

characteristics and advantages compared to steel:

- very light, good handling, midsection lacquered
- high accuracy- and pliability-values
- HC-coated and compressed, coating thickness $50\mu \pm 5\mu$
- high grade of abrasion resistance, high grade of corrosion resistant
- hardness 500 – 550 HV, top gliding, low thermal conductivity
- for grade 0 and 1 from 2000 mm with hand slots, grade 2 from up 2500 mm
- incl. calibration certificate

Notice
We charge transport- and packing- costs for article marked with *!

quality DIN 874 page 1, accuracy GG 0
quality DIN 874 page 1, accuracy GG 1
quality DIN 874 page 1, accuracy GG 2



ART N°					ART N°
DIN 874 GG 0					wooden case
15 93000050	500	60 x 12	0.7	inclusive	15 991050
15 93000100*	1000	60 x 12	1.4	inclusive	15 991100*
15 93000150*	1500	100 x 15	4.3	inclusive	15 991150*
15 93000200*	2000	100 x 15	5.9	inclusive	15 991200*
15 93000250*	2500	100 x 15	7.5	inclusive	15 991250*
15 93000300*	3000	150 x 20	15.9	inclusive	15 991300*
15 93000400*	4000	150 x 20	21.3	inclusive	15 991400*
15 93000500*	5000	150 x 20	26.7	inclusive	15 991500*
DIN 874 GG 1					
15 93010050	500	60 x 12	0.7	inclusive	15 991050
15 93010100*	1000	60 x 12	1.4	inclusive	15 991100*
15 93010150*	1500	100 x 15	4.3	inclusive	15 991150*
15 93010200*	2000	100 x 15	5.9	inclusive	15 991200*
15 93010250*	2500	100 x 15	7.5	inclusive	15 991250*
15 93010300*	3000	150 x 20	15.9	inclusive	15 991300*
15 93010400*	4000	150 x 20	21.3	inclusive	15 991400*
15 93010500*	5000	150 x 20	26.7	inclusive	15 991500*
15 93010600*	6000	150 x 20	32.1	inclusive	15 991600*
DIN 874 GG 2					
15 93020050	500	60 x 12	0.7	inclusive	15 991050
15 93020100*	1000	60 x 12	1.4	inclusive	15 991100*
15 93020150*	1500	60 x 12	2.1	inclusive	15 991150*
15 93020200*	2000	60 x 12	2.8	inclusive	15 991200*
15 93020250*	2500	100 x 15	7.5	inclusive	15 991250*
15 93020300*	3000	100 x 15	8.7	inclusive	15 991300*
15 93020400*	4000	100 x 15	11.6	inclusive	15 991400*
15 93020500*	5000	150 x 20	26.7	inclusive	15 991500*
15 93020600*	6000	150 x 20	32.1	inclusive	15 991600*



- top accuracy GG 00 • cross-section in I-form
- made of black granite
- made of top black granite in highest quality
- entirely faultless, extreme hard and wear-resistant, acid-resistant
- 2 diamond-lapped measuring surfaces, according to grade 00
- compressive strength 245 - 254 N/mm²
- linear expansion coefficient 4,61x10⁻⁶ / C°
- with weight reducing holes
- incl. calibration certificate

Notice
We charge transport- and packing-costs for article marked with *!



ART N° quality GG 00			eveness of working surface mm	tolerance of parallelism mm	squareness mm			ART N° wooden case
15 94000040	400	60 x 25	0.0016	0.0024	0.0080	1.76	inclusive	15 994040
15 94000063	630	100 x 35	0.0021	0.0032	0.0105	6.56	inclusive	15 994063
15 94000100*	1000	160 x 50	0.0030	0.0045	0.0150	25.0	inclusive	15 994100*
15 94000160*	1600	250 x 80	0.0044	0.0066	0.0220	66.0	inclusive	15 994160*
15 94000200*	2000	300 x 100	0.0054	0.0081	0.0270	185.0	inclusive	15 994200*

Special Rules, Scales, Verniers

We manufacture special rules, scales, verniers, nameplates, etc. according to your specifications and drawings.

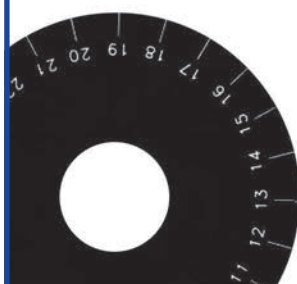
Our company has focused on the special needs of our customers. Request our brochure „scales“, we'll show you therein a wide range of measuring scales etc., which are already as a standard in our program.

We produce according to an environment friendly etching method and with innovative laser technology in our own laser center.

You are welcome to visit us. Our team will help you with pleasure!

The individual advantages of ...

- ...etching: ✓ effective process for large quantities
- ...laser technique: ✓ for small quantities
- ✓ flexible in layout design
- ✓ deep engraving, cannot be falsified
- ✓ low initial costs for the prepress stage
- ✓ engravings on various materials



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Graduated Straight Edges

Notice
We charge transport- and packing- costs for article marked with *!

BLUE-LINE Precision Graduated Straight Edge
DIN 866

quality DIN 866 form A

- mm graduation on bottom edge
- 5 mm protection space on both ends
- flat side finely ground
- vertical edges finely ground, can be used as a rule
- stainless or carbon steel quality available

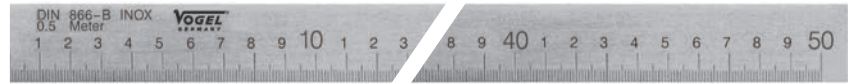
form A



quality DIN 866 form B

- mm graduation on bottom edge
- without protection-space end, at left side
- flat side ground
- vertical edges ground
- stainless or carbon steel quality available

form B



ART NO	ART NO				ART NO CC	ART NO wooden case
DIN 866 / A INOX	DIN 866 / A					
16 91000050	16 91010050	500	30 x 6	0.8	16 94005	16 99050/A
16 91000100	16 91010100	1000	40 x 8	2.5	16 94010	16 99100/A
16 91000150	16 91010150	1500	40 x 8	3.7	16 94015	16 99150/A
16 91000200*	16 91010200*	2000	50 x 10	7.5	16 94020	16 99200/A*
16 91000300*	16 91010300*	3000	50 x 10	12.0	16 94030	16 99300/A*
16 91000400*	16 91010400*	4000	60 x 12	25.6	16 94040	16 99400/A*
16 91000500*	16 91010500*	5000	70 x 15	33.5	16 94050	16 99500/A*
DIN 866 / B INOX	DIN 866 / B					
16 92000050	16 92010050	500	25 x 5	0.5	16 94005	16 99050/B
16 92000100	16 92010100	1000	30 x 6	1.5	16 94010	16 99100/B
16 92000150	16 92010150	1500	30 x 6	2.1	16 94015	16 99150/B
16 92000200*	16 92010200*	2000	40 x 8	4.8	16 94020	16 99200/B*
16 92000300*	16 92010300*	3000	40 x 8	7.5	16 94030	16 99300/B*
16 92000400*	16 92010400*	4000	50 x 10	15.0	16 94040	16 99400/B*
16 92000500*	16 92010500*	5000	60 x 12	32.0	16 94050	16 99500/B*

Tolerances according to DIN 866

total length graduation mm	500	1000	1500	2000	3000	4000	5000
tolerance form A	0.030	0.04	0.05	0.06	0.08	0.10	0.12
tolerance form B	0.075	0.10	0.125	0.15	0.20	0.25	0.30

★★★★★ BLUE-LINE® Straight Edge with bevel

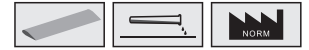
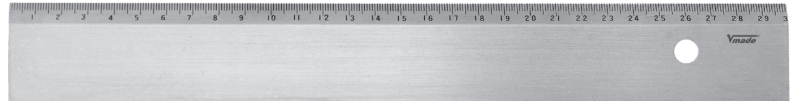
- for simple workshop use
- made of steel
- chromed version
- type A = without graduation, type B = with mm graduation
- graduation black etched, bevel edge matt chrome finish

Notice
We charge transport- and packing-costs for article marked with *!

type A **ART N°** 17 94200030



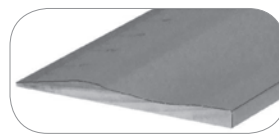
type B **ART N°** 17 94300030



ART N° type A	ART N° type B	 mm	 mm	 KG
17 94200030	17 94300030	300	40 x 5	0.500
17 94200050	17 94300050	500	40 x 5	0.780
17 94200080	17 94300080	800	40 x 5	1.200
17 94200100	17 94300100	1000	40 x 5	1.500
17 94200150*	17 94300150*	1500	40 x 5	2.300
17 94200200*	17 94300200*	2000	40 x 5	3.100

★★★★★ BLUE-LINE® Straight Edge with bevel

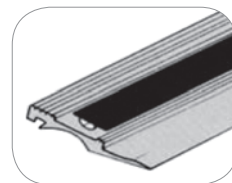
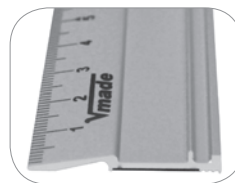
- for technicians
- made of hard aluminium, anodized quality
- with black cm graduation, printed



ART N°	 mm	 mm	 KG
17 95300030	300	50 x 5	0.186
17 95300060	600	50 x 5	0.350
17 95300100	1000	50 x 5	0.600
17 95300180	1800	50 x 5	1.060

★★★★★ BLUE-LINE® Straight Edge with bevel

- e.g. for school, education, DIY and craftsmen
- made of hard aluminium, anodized quality
- with mm graduation, pad printing
- back with anti-slip foam rubber glued



ART N°	 mm	 mm	 KG
17 96300030	300	35 x 1.5	0.055
17 96300060	600	35 x 1.5	0.110
17 96300100	1000	35 x 1.5	0.185

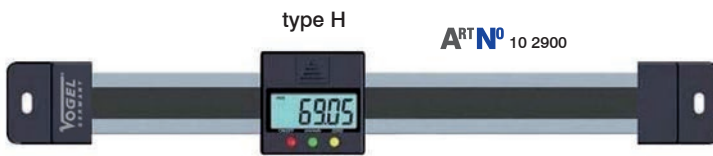
Digital Scales, Display Units

DIGI PLUS-LINE® Electr. Digital Scale • IP54

- spray water resistant measurement system
- in horizontal and vertical version
- for mounting on machine tools, milling machines, pillar drills and many other applications
- large LCD display with clear reading, digit height 15 mm
- rail out of anodized aluminium, max. traversing speed 2 m/sec.
- with mini USB data output to connect the Electr. Digital Display Unit, with On/Of switch
- zero setting at any position
- unit of measurement switchable mm/inch
- incl. 1x 1.5 V battery (type LR44, art.-no.: 20 20192/B), with operation manual

type H horizontal design

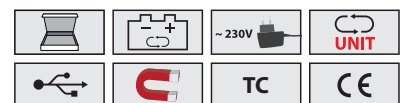
type V vertical design



ART No type H	ART No type V	mm / inch	mm / inch	mm	max. mm	L mm	KG	ART No CC
10 2900	10 2910	200 / 8	0.01 / 0.0005	0.01	0.03	330	0.195	10 94101
10 2901	10 2911	300 / 12	0.01 / 0.0005	0.01	0.04	430	0.255	10 94101
10 2903	10 2913	500 / 20	0.01 / 0.0005	0.01	0.05	630	0.360	10 94101
10 2904	10 2914	600 / 24	0.01 / 0.0005	0.01	0.06	730	0.400	10 94101
10 2906	10 2916	999 / 39	0.01 / 0.0005	0.01	0.08	1130	0.570	10 94101

DIGI PLUS-LINE® Electr. Digital Display Unit

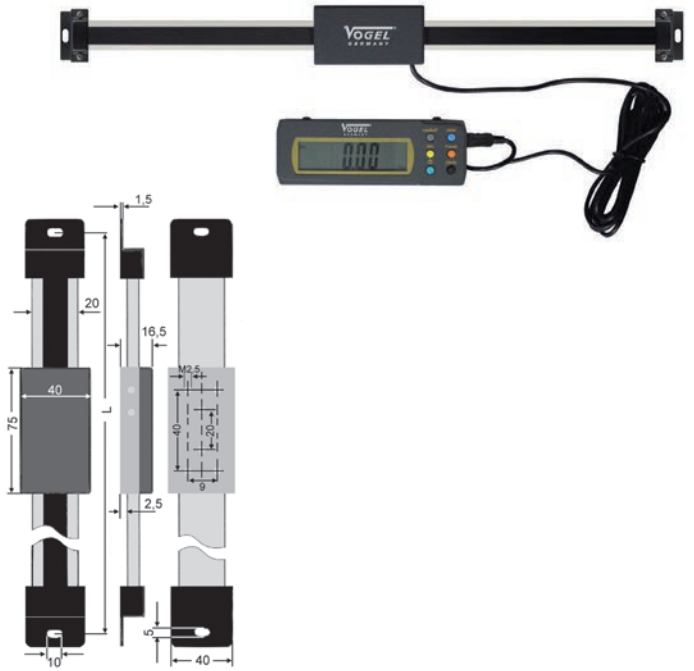
- for Electr. Digital Scale
- large LCD display with clear reading, digit height 12 mm
- different versions to choose: with X- or with X + Y-axis
- housing with magnetic back and backlight
- unit of measurement switchable mm/inch, zero setting at any position
- with USB signal transmitter cable (approx. 2m) for connection to the scale unit
- incl. 2x 1.5 V battery (rechargeable), with charger and operation manual



ART No	type X-axis	type X + Y-axis	mm	mm	KG
20 29500	✓	-	0.01	130 x 60 x 20	0.135
20 29501	-	✓	0.01	130 x 80 x 20	0.157

DIGI PLUS-LINE® Electr. Digital Scale **NEW**

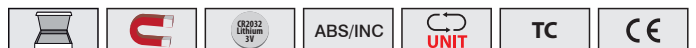
- in horizontal and vertical version
- stainless steel, hardened rail
- with electronic unit and separate LCD display
- for mounting on machine tools, milling-, drilling machines and for many other purposes
- large LCD-display with clear reading, digit height 18 mm
- rugged plastic housing, with built-in magnet in the back side
- incl. fixture for wall mounting of the LCD display, with accessories
- flexible application, in horizontal and vertical position
- expandable with additional electronic units and LCD displays
- On/Off switch, zero setting at any position, data hold function
- Preset-, Origin-, Inc-switch
- unit switchable in mm/inch/fraction in inch
- incl. 2x 3V battery (type CR2032, art. no.: 20 02093), with operation manual



ART N°	mm / inch	mm / inch	mm	max. mm	L mm	KG rail + display	ART N° CC
10 2920	150 / 6	0.01 / 0.0005	0.01	0.06	190	0.225 + 0.225	10 94101
10 2921	200 / 8	0.01 / 0.0005	0.01	0.08	240	0.295 + 0.225	10 94101
10 2922	300 / 16	0.01 / 0.0005	0.01	0.10	340	0.445 + 0.225	10 94101
10 2923	600 / 24	0.01 / 0.0005	0.01	0.15	640	0.888 + 0.225	10 94101
10 2924	1000 / 40	0.01 / 0.0005	0.01	0.20	1040	1.482 + 0.225	10 94101

DIGI PLUS-LINE® Electr. Digital Display Unit **NEW**

- for electr. scale series 10 2920 - 10 2924
- large LCD-display with clear reading, digit height 18 mm
- rugged plastic housing, with built-in magnet in the back side
- incl. fixture for wall mounting of the LCD display, with accessories
- flexible application, in horizontal and vertical position
- expandable with additional electronic units and LCD displays
- On/Off switch, zero setting at any position, data hold function
- Preset-, Origin-, Inc-switch
- unit switchable in mm/inch/fraction in inch
- incl. 2x 3V battery (type CR2032, art. no.: 20 02093), with operation manual



ART N°	mm / inch	mm	KG
20 29550	0.01 / 0.0005	130 x 45 x 22	0.225