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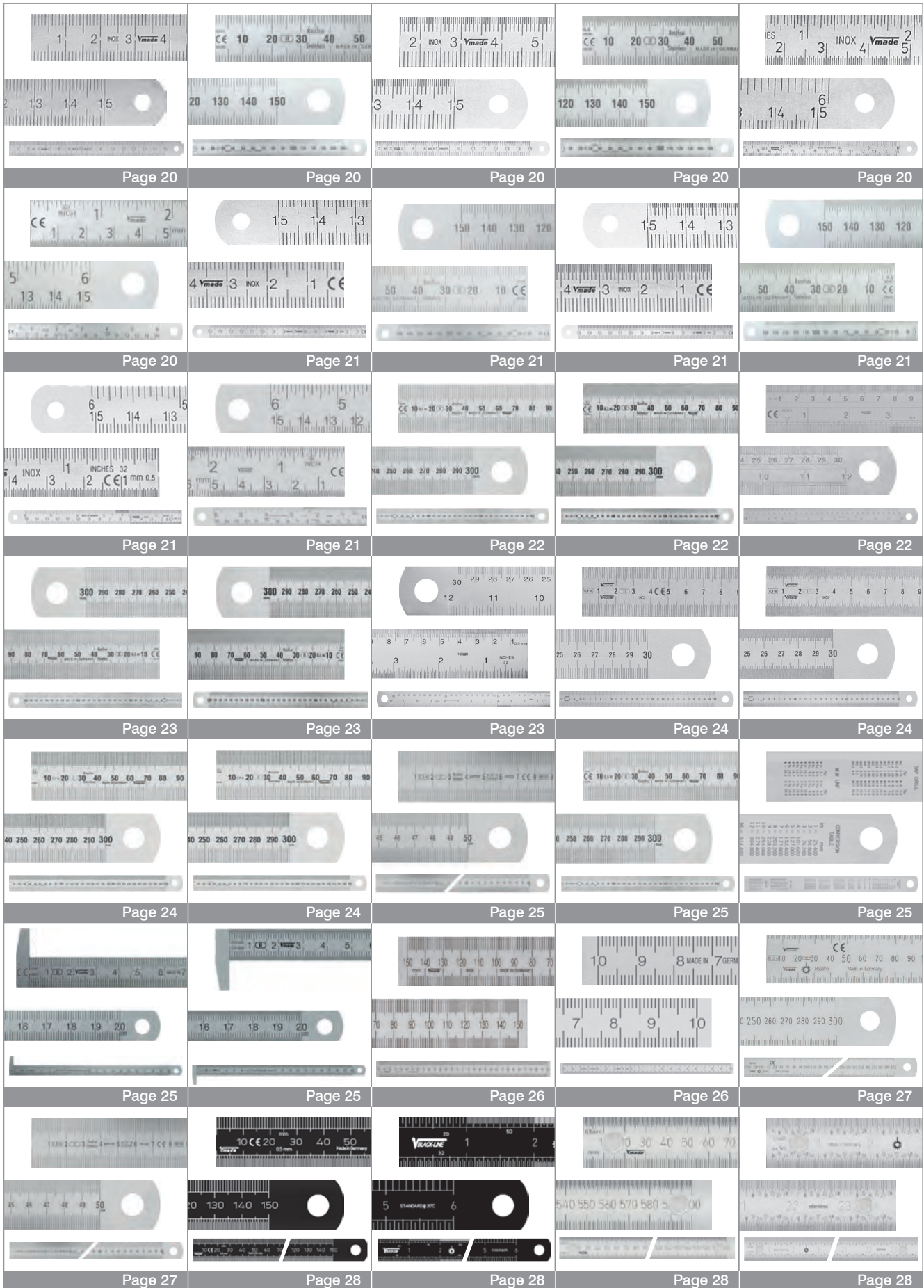


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Flexible Steel Rules, Left to Right

Flexible Steel Rules

Accuracy class acc. to tolerance class II

- reading from left to right
- flexible version, small section
- stainless spring steel
- non glare, matt surface
- etched graduation for a clear reading
- CE classification at type A and type B

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,

type A

ART N° 1010010015



ART N° 1012010015

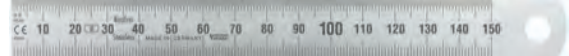


type B

ART N° 1010020015



ART N° 1012020015

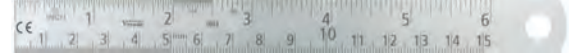


type C

ART N° 1010030015



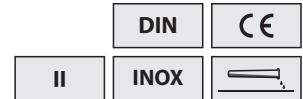
ART N° 1012030015



Numbering up to 500 mm length with continuing mm numbering at type A and type B.
With a cross section of 13.0 x 0.5 with cm numbering.

The rules from 1000 mm up to 4000 mm length with continuing cm numbering at type A and type B.
The rules up to 4000 mm length according to tolerance class II are qualified as reference pieces.
Therefore please order our calibration certificate together with the rule.

Steel Rules more than 4000 mm length are made according to workshop standard.



ART N°					
type A	type B	type C	mm		CC
1010010010	1010020010	1010030010	100	13 x 0.5	on request
1010010015	1010020015	1010030015	150	13 x 0.5	on request
1010010020	1010020020	1010030020	200	13 x 0.5	on request
1010010025	1010020025	1010030025	250	13 x 0.5	on request
1010010030	1010020030	1010030030	300	13 x 0.5	on request
1010010035	—	—	350	13 x 0.5	on request
1010010040	—	—	400	13 x 0.5	on request
1010010050	—	—	500	13 x 0.5	on request
1012010015	1012020015	1012030015	150	18 x 0.5	on request
1012010030	1012020030	1012030030	300	18 x 0.5	on request
1012010040	1012020040	1012030040	400	18 x 0.5	on request
1012010050	1012020050	1012030050	500	18 x 0.5	on request
1012010060	—	—	600	18 x 0.5	on request
1012010080	—	—	800	18 x 0.5	on request
1012010100	1012020100	1012030100	1000	18 x 0.5	on request
1012010150	1012020150	1012030150	1500	18 x 0.5	on request
1012010200	1012020200	1012030200	2000	18 x 0.5	on request
1012010250	1012020250	1012030250	2500	18 x 0.5	on request
1012010300	1012020300	1012030300	3000	18 x 0.5	on request
1012010350	1012020350	1012030350	3500	18 x 0.5	on request
1012010400	1012020400	1012030400	4000	18 x 0.5	on request
1012010500	1012020500	—	5000	18 x 0.5	on request
1012010600	1012020600	—	6000	18 x 0.5	on request
1016010030	—	—	300	20 x 1	on request
1016010050	1016020050	1016030050	500	20 x 1	on request
1016010100	1016020100	1016030100	1000	20 x 1	on request
1016010150	1016020150	1016030150	1500	20 x 1	on request
1016010200	1016020200	1016030200	2000	20 x 1	on request
1016010250	1016020250	1016030250	2500	20 x 1	on request
1016010300	1016020300	1016030300	3000	20 x 1	on request
1016010350	1016020350	1016030350	3500	20 x 1	on request
1016010400	1016020400	1016030400	4000	20 x 1	on request
1016010500	1016020500	—	5000	20 x 1	on request
1016010600	1016020600	—	6000	20 x 1	on request

Flexible Steel Rules, Right to Left

Flexible Steel Rules

Accuracy class acc. to tolerance class II

- 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 = 1/2 mm / mm top 1/2 mm and bottom 1/1 mm graduation

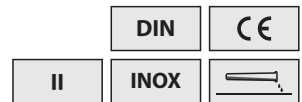
type C = inch / mm top 1/64 ; 1/32 and 1/16 inch graduation, bottom 1/2 mm and 1/1 mm,

Numbering up to 500 mm length with continuing mm numbering at type A and type B.
With a cross section of 13.0 x 0.5 with cm numbering.

The rules from 1000 mm up to 4000 mm length with continuing cm numbering at type A and type B.

The rules up to 4000 mm length according to tolerance class II are qualified as reference pieces.

Therefore please order our calibration certificate together with the rule.
Steel Rules more than 4000 mm length are made according to workshop standard.



ART N°			mm	mm	CC
type A	type B	type C			
1011010010	1011020010	1011030010	100	13 x 0.5	on request
1011010015	1011020015	1011030015	150	13 x 0.5	on request
1011010020	1011020020	1011030020	200	13 x 0.5	on request
1011010025	1011020025	1011030025	250	13 x 0.5	on request
1011010030	1011020030	1011030030	300	13 x 0.5	on request
1011010035	—	—	350	13 x 0.5	on request
1011010040	—	—	400	13 x 0.5	on request
1011010050	—	—	500	13 x 0.5	on request
1013010015	1013020015	1013030015	150	18 x 0.5	on request
1013010030	1013020030	1013030030	300	18 x 0.5	on request
1013010040	1013020040	1013030040	400	18 x 0.5	on request
1013010050	1013020050	1013030050	500	18 x 0.5	on request
1013010060	—	—	600	18 x 0.5	on request
1013010080	—	—	800	18 x 0.5	on request
1013010100	1013020100	1013030100	1000	18 x 0.5	on request
1013010150	1013020150	1013030150	1500	18 x 0.5	on request
1013010200	1013020200	1013030200	2000	18 x 0.5	on request
1013010250	1013020250	1013030250	2500	18 x 0.5	on request
1013010300	1013020300	1013030300	3000	18 x 0.5	on request
1013010350	1013020350	1013030350	3500	18 x 0.5	on request
1013010400	1013020400	1013030400	4000	18 x 0.5	on request
1013010500	1013020500	—	5000	18 x 0.5	on request
1013010600	1013020600	—	6000	18 x 0.5	on request
1017010030	—	—	300	20 x 1	on request
1017010050	1017020050	1017030050	500	20 x 1	on request
1017010100	1017020100	1017030100	1000	20 x 1	on request
1017010150	1017020150	1017030150	1500	20 x 1	on request
1017010200	1017020200	1017030200	2000	20 x 1	on request
1017010250	1017020250	1017030250	2500	20 x 1	on request
1017010300	1017020300	1017030300	3000	20 x 1	on request
1017010350	1017020350	1017030350	3500	20 x 1	on request
1017010400	1017020400	1017030400	4000	20 x 1	on request
1017010500	1017020500	—	5000	20 x 1	on request
1017010600	1017020600	—	6000	20 x 1	on request

Rigid Steel Rules, Left to Right

Stainless Steel Rules

Accuracy class acc. to tolerance class II

• 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

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 ½ mm and 1/1 mm
bottom 1/64 ; 1/32 and 1/16 inch graduation,

type A



type B



type D



Numbering up to 500 mm length with continuing mm numbering at type A and type B.
The rules from 1000 mm up to 4000 mm length with continuing cm numbering at type A and type B.
The rules up to 4000 mm length according to tolerance class II are qualified as reference pieces.
Therefore please order our calibration certificate together with the rule.
Steel Rules more than 4000 mm length are made according to workshop standard.



ART N°			mm	mm	CC
type A	type B	type D			
1018010030	1018020030	1018040030	300	30 x 1	on request
1018010050	1018020050	1018040050	500	30 x 1	on request
1018010060	1018020060	1018040060	600	30 x 1	on request
1018010100	1018020100	1018040100	1000	30 x 1	on request
1018010150	1018020150	1018040150	1500	30 x 1	on request
1018010200	1018020200	1018040200	2000	30 x 1	on request
1018010300	1018020300	1018040300	3000	30 x 1	on request
1018010400	1018020400	1018040400	4000	30 x 1	on request
1018010500	1018020500	—	5000	30 x 1	on request
1018010600	1018020600	—	6000	30 x 1	on request
1018010700	1018020700	—	7000	30 x 1	on request
1018010800	1018020800	—	8000	30 x 1	on request
1018010900	1018020900	—	9000	30 x 1	on request
1018011000	1018021000	—	10000	30 x 1	on request
1018011100	1018021100	—	11000	30 x 1	on request
1018011200	1018021200	—	12000	30 x 1	on request
1024010050	1024020050	1024040050	500	40 x 2	on request
1024010100	1024020100	1024040100	1000	40 x 2	on request
1024010150	1024020150	1024040150	1500	40 x 2	on request
1024010200	1024020200	1024040200	2000	40 x 2	on request

Rigid Steel Rules, Right to Left

Stainless Steel Rules

Accuracy class acc. to tolerance class II

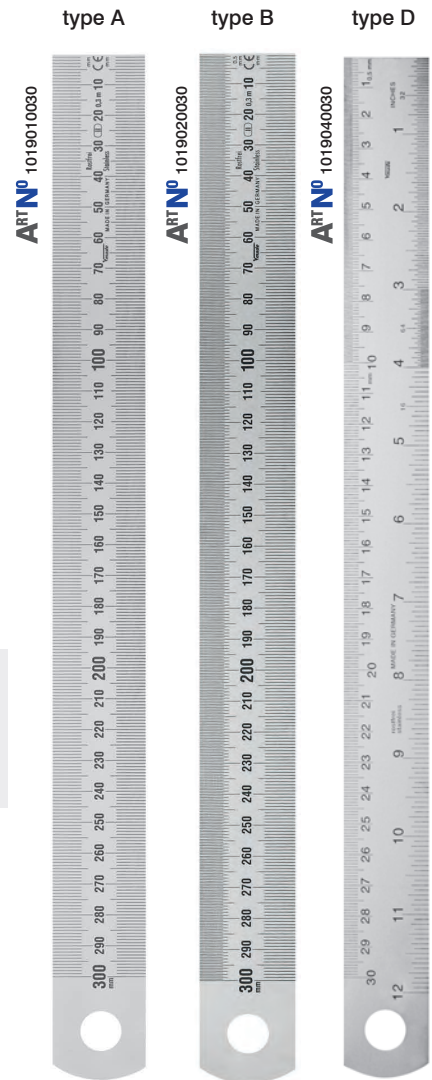
- reading from right to left
- semi rigid version, with wide cross section
- stainless spring steel
- non glare, matt surface
- etched graduation for a clear reading

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 ½ mm and 1/1 mm
bottom 1/64 ; 1/32 and 1/16 inch graduation,

Numbering up to 500 mm length with continuing mm numbering at type A and type B.
The rules from 1000 mm up to 4000 mm length with continuing cm numbering at type A and type B.
The rules up to 4000 mm length according to tolerance class II are qualified as reference pieces.
Therefore please order our calibration certificate together with the rule.
Steel Rules more than 4000 mm length are made according to workshop standard.



ART N°					
type A	type B	type D	mm		
1019010030	1019020030	1019040030	300	30 x 1	on request
1019010050	1019020050	1019040050	500	30 x 1	on request
1019010060	1019020060	1019040060	600	30 x 1	on request
1019010100	1019020100	1019040100	1000	30 x 1	on request
1019010150	1019020150	1019040150	1500	30 x 1	on request
1019010200	1019020200	1019040200	2000	30 x 1	on request
1019010300	1019020300	1019040300	3000	30 x 1	on request
1019010400	1019020400	1019040400	4000	30x 1	on request
1019010500	1019020500	—	5000	30x 1	on request
1019010600	1019020600	—	6000	30 x 1	on request
1019010700	1019020700	—	7000	30 x 1	on request
1019010800	1019020800	—	8000	30 x 1	on request
1019010900	1019020900	—	9000	30 x 1	on request
1019011000	1019021000	—	10000	30 x 1	on request
1019011100	1019021100	—	11000	30 x 1	on request
1019011200	1019021200	—	12000	30x 1	on request
1025010050	1025020050	1025040050	500	40 x 2	on request
1025010100	1025020100	1025040100	1000	40 x 2	on request
1025010150	1025020150	1025040150	1500	40 x 2	on request
1025010200	1025020200	1025040200	2000	40 x 2	on request

Steel Rules, matt surface

Stainless Steel Rules, matt chromed

Accuracy class acc. to tolerance class II

- **graduations on front and back**

- graduation deeply etched
- matt chromed, non glare surface
- stainless spring steel
- cm graduation

front top and bottom 1/1 mm graduation

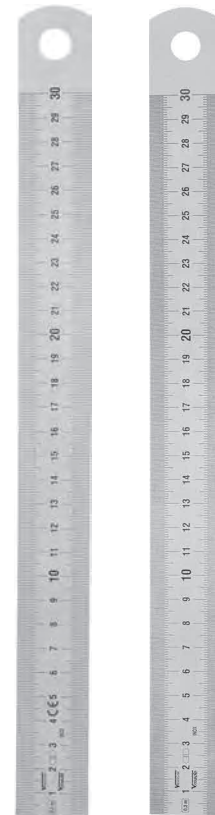
back top 1/2 mm and bottom 1/2 mm graduation



ART N°	mm		CC
1001040010	100	13 x 0.5	on request
1001040015	150	13 x 0.5	on request
1001040020	200	13 x 0.5	on request
1001040030	300	13 x 0.5	on request
1001240050	500	18 x 0.5	on request
1001240100	1000	18 x 0.5	on request
1001260030	300	30 x 1	on request
1001260050	500	30 x 1	on request
1001260100	1000	30 x 1	on request

ART N° 1001040030

front back



Stainless Steel Rules, double-sided

Accuracy class acc. to tolerance class II

- **with identical reading on front- and backside**

- etched graduation
- non glare surface
- stainless spring steel
- cm graduation

top 1/2 mm graduation

bottom 1/1 mm graduation



ART N°	mm		CC
1010020010D	100	13 x 0.5	on request
1010020015D	150	13 x 0.5	on request
1010020020D	200	13 x 0.5	on request
1010020025D	250	13 x 0.5	on request
1010020030D	300	13 x 0.5	on request
1012020050D	500	18 x 0.5	on request
1012020100D	1000	18 x 0.5	on request
1018020030D	300	30 x 1	on request
1018020050D	500	30 x 1	on request
1018020100D	1000	30 x 1	on request

ART N° 1018020030D

front back



Stainless Steel Rules, with etched scale

Accuracy class acc. to DIN 2014/32/EU

conformity assessment

- Tolerance accuracy acc. to accuracy class II.
- manufactured acc. to MID standard and are qualified as reference or master pieces.
- precise, etched scale, with clear reading
- stainless steel, non-glare, matt surface
- semi-rigid, with wide cross-section
- cm graduation
- with identification-no. and certificate of conformity

Option

- Workshop calibration certificate for a surcharge

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

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



ART^{NO} 1018110050



ART ^{NO} type A	ART ^{NO} type B	mm		
1018110050	1018120050	500	30 x 1	on request
1018110100	1018120100	1000	30 x 1	on request
1018110150	1018120150	1500	30 x 1	on request
1018110200	1018120200	2000	30 x 1	on request
1018110300	1018120300	3000	30 x 1	on request
1018110400	1018120400	4000	30 x 1	on request

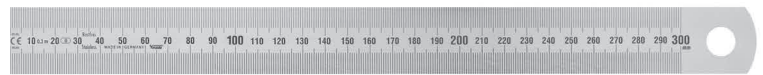
Stainless Steel Rules

Accuracy class acc. to tolerance class II

- reading from left to right
- with conversion table on the backside

- etched graduation for a clear reading
- non glare, matt surface
- stainless spring steel
- top and bottom 1/1 mm graduation

ART^{NO} 1055030030



front



back



ART ^{NO}	mm		
1055030030	300	30 x 1	on request
1055030050	500	30 x 1	on request
1055030100	1000	30 x 1	on request
1055030200	2000	30 x 1	on request

Stainless Steel Rules with Hook 90°

Accuracy class acc. to tolerance class II

- with hook 90°
- reading from left to right

- flexible design because of narrow cross section
- stainless spring steel
- non glare, matt surface
- front: top 1/1 mm and bottom 1/1 mm graduation
- back: top 1/2 mm and bottom 1/2 mm graduation
- laser-engraved graduation for a clear reading
- cm graduation

ART^{NO} 1033010020

1/1 mm
1/1 mm



front

1/2 mm
1/2 mm



back



ART ^{NO}	mm		
1033010020	200	13 x 0.5	on request
1033010030	300	13 x 0.5	on request
1034010050	500	18 x 0.5	on request

Rules with 0 point in the middle

Stainless Steel Rules with zero-point in the middle

acc. to workshop grade

- suitable for craftsmen and industry

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

ARTN^o 1018010030-0-





ARTN^o 1010010020-0-



INOX

NORM

ARTN ^o	 mm		CC
1010010010-0-	50 – 0 – 50	13 x 0.5	on request
1010010015-0-	75 – 0 – 75	13 x 0.5	on request
1010010020-0-	100 – 0 – 100	13 x 0.5	on request
1010010030-0-	150 – 0 – 150	13 x 0.5	on request
1010010040-0-	200 – 0 – 200	13 x 0.5	on request
1010010050-0-	250 – 0 – 250	13 x 0.5	on request
1010010060-0-	300 – 0 – 300	13 x 0.5	on request
1010010080-0-	400 – 0 – 400	13 x 0.5	on request
1010010100-0-	500 – 0 – 500	13 x 0.5	on request
1012010010-0-	50 – 0 – 50	18 x 0.5	on request
1012010015-0-	75 – 0 – 75	18 x 0.5	on request
1012010020-0-	100 – 0 – 100	18 x 0.5	on request
1012010030-0-	150 – 0 – 150	18 x 0.5	on request
1012010040-0-	200 – 0 – 200	18 x 0.5	on request
1012010050-0-	250 – 0 – 250	18 x 0.5	on request
1012010060-0-	300 – 0 – 300	18 x 0.5	on request
1012010080-0-	400 – 0 – 400	18 x 0.5	on request
1012010100-0-	500 – 0 – 500	18 x 0.5	on request
1016010010-0-	50 – 0 – 50	20 x 1	on request
1016010015-0-	75 – 0 – 75	20 x 1	on request
1016010020-0-	100 – 0 – 100	20 x 1	on request
1016010030-0-	150 – 0 – 150	20 x 1	on request
1016010040-0-	200 – 0 – 200	20 x 1	on request
1016010050-0-	250 – 0 – 250	20 x 1	on request
1016010060-0-	300 – 0 – 300	20 x 1	on request
1016010080-0-	400 – 0 – 400	20 x 1	on request
1016010100-0-	500 – 0 – 500	20 x 1	on request
1018010010-0-	50 – 0 – 50	30 x 1	on request
1018010015-0-	75 – 0 – 75	30 x 1	on request
1018010020-0-	100 – 0 – 100	30 x 1	on request
1018010030-0-	150 – 0 – 150	30 x 1	on request
1018010040-0-	200 – 0 – 200	30 x 1	on request
1018010050-0-	250 – 0 – 250	30 x 1	on request
1018010060-0-	300 – 0 – 300	30 x 1	on request
1018010070-0-	350 – 0 – 350	30 x 1	on request
1018010080-0-	400 – 0 – 400	30 x 1	on request
1018010100-0-	500 – 0 – 500	30 x 1	on request
1018010120-0-	600 – 0 – 600	30 x 1	on request
1018010150-0-	750 – 0 – 750	30 x 1	on request
1018010200-0-	1000 – 0 – 1000	30 x 1	on request
1018010250-0-	1250 – 0 – 1250	30 x 1	on request
1018010300-0-	1500 – 0 – 1500	30 x 1	on request
1018010400-0-	2000 – 0 – 2000	30 x 1	on request
1018010500-0-	2500 – 0 – 2500	30 x 1	on request

Stainless Steel Rules, lasered graduation

Stainless Steel Rules, with laser engraving

acc. to tolerance class I

ART N° 1018060030






- reading from left to right or right to left

- precise, deep laser engraved graduation, continuing numbers
- non glare, matt surface
- stainless spring steel

Numbering up to 500 mm length with continuing mm numbering. The rules from 1000 mm up to 2000 mm length with continuing cm numbering. The rules according to tolerance class I and are qualified as reference pieces. Therefore please order our calibration certificate together with the rule.
Because of the deep graduation, due to the laser marking of the numbering, these scales are particularly suitable where high demands are placed on the scale.



ART N°	 mm		
graduation in mm/mm from left to right			
1010060015	150	13 x 0.5	on request
1010060030	300	13 x 0.5	on request
1010060050	500	13 x 0.5	on request
1012060030	300	20 x 0.5	on request
1012060050	500	20 x 0.5	on request
1012060100	1000	20 x 0.5	on request
1018060030	300	30 x 1	on request
1018060050	500	30 x 1	on request
1018060100	1000	30 x 1	on request
1018060150	1500	30 x 1	on request
1018060200	2000	30 x 1	on request
graduation in mm/mm from right to left			
1011060015	150	13 x 0.5	on request
1011060030	300	13 x 0.5	on request
1011060050	500	13 x 0.5	on request
1013060030	300	20 x 0.5	on request
1013060050	500	20 x 0.5	on request
1013060100	1000	20 x 0.5	on request
1019060030	300	30 x 1	on request
1019060050	500	30 x 1	on request
1019060100	1000	30 x 1	on request
1019060150	1500	30 x 1	on request
1019060200	2000	30 x 1	on request

Stainless Steel Rules, with laser engraved scale

Tolerance acc. to 2014/32/EU

ART N° 1008110050



- conformity assessment




- Tolerance acc. to accuracy class II.
- manufactured acc. to MID standard and are qualified as reference or master pieces
- precise and deep, laser engraved scale, with clear reading
- stainless steel, non-glare, matt surface
- semi-rigid, with wide cross-section and cm graduation
- with identification-no. and certificate of conformity

Option

- Workshop calibration certificate for a surcharge

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



ART N° type A	ART N° type B	 mm		
1008110050	1008120050	500	30 x 1	on request
1008110100	1008120100	1000	30 x 1	on request
1008110150	1008120150	1500	30 x 1	on request
1008110200	1008120200	2000	30 x 1	on request

Steel Rules

Steel Rules, black anodized metric graduation

acc. to tolerance class II or BS

- graduation on front- and rearside
- reading from left to right
- precise, deep laser engraved scale
- carbon spring steel, with black anodized surface

ART N° 1026431015



frontside



backside

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 N°	mm / inch		
1026431015	150 / 6	18 x 0.5	on request
1026431030	300 / 12	30 x 1.0	on request
1026431045	450 / 18	30 x 1.0	on request
1026431060	600 / 24	30 x 1.0	on request
1026431100	1000 / 40	30 x 1.0	on request

Stainless Steel Rules, with magnetic inserts

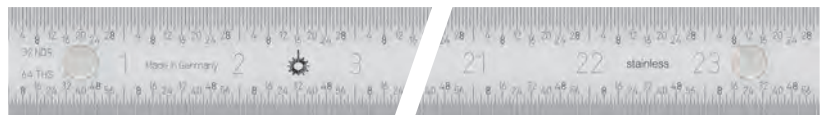
metric graduation acc. to tolerance class II or BS

- 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

ART N° 1026433060



frontside: 1/2 mm and 1/1 mm



backside: 1/32 and 1/64 inch



with magnetic inserts



ART N°	mm / inch		
1026433015	150 / 6	20 x 1	on request
1026433030	300 / 12	20 x 1	on request
1026433060	600 / 24	20 x 1	on request
1026433090	900 / 36	20 x 1	on request
1026433120	1200 / 48	20 x 1	on request



You would like to have a Rule with Special Scale? You are exactly right with us!

Use this form to send us your request:

- 1 download and fill out this form on the following link:
www.vogel-germany.de/request-rule-with-special-scale.pdf
- 2 send the form via eMail to info@vogel-germany.de
or send by fax to +49 2832 3621
- 3 get our offer

Any questions?
We are pleased to advise!

Inquiry Form • Rule with Special Scale

Your data

Customer Number: If already exist _____

Company Name: _____

Contact Person: _____

Phone: _____

Mail: _____

Information on your desired Rule with Special Scale

Quantity: _____

Standard length in mm: (if applicable, please check)

<input type="radio"/>	150	<input type="radio"/>	300	<input type="radio"/>	500	<input type="radio"/>	1000	<input type="radio"/>	1500	<input type="radio"/>	2000	<input type="radio"/>	2500
<input type="radio"/>	3000	<input type="radio"/>	3500	<input type="radio"/>	4000	<input type="radio"/>	4500	<input type="radio"/>	5000	<input type="radio"/>	5500	<input type="radio"/>	6000

Special length: Please specify the desired length in mm, we manufacture up to a length of 16,000 mm _____

Cross section (width):

<input type="radio"/>	13 x 0.5	<input type="radio"/>	18 x 0.5	<input type="radio"/>	20 x 1	<input type="radio"/>	30 x 1	<input type="radio"/>	40 x 2
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type of scaling:

<input type="radio"/>	left – right	<input type="radio"/>	right – left	<input type="radio"/>	bottom – top	<input type="radio"/>	top – bottom
<input type="radio"/>	double-sided	<input type="radio"/>	only left	<input type="radio"/>	only right		

if double-sided:

		frontside			backside						
<input type="radio"/>	mm	<input type="radio"/>	cm	<input type="radio"/>	inch	<input type="radio"/>	mm	<input type="radio"/>	cm	<input type="radio"/>	inch

Tolerances:

<input type="radio"/>	Workshop standard	<input type="radio"/>	EC I	<input type="radio"/>	EC II	<input type="radio"/>	BS	<input type="radio"/>	MID
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You would like to send us a draw to your desired Rule with Special Scale?
Send by email to info@vogel-germany.de or by fax to +49 (0) 2832 3621.

Circumference Measuring Tapes

Circumference Measuring Tape „UFM“

acc. to tolerance class II

- 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.
- accuracy of total length with etched metric and laser engraved metric graduation according to EC II
- hardened spring steel or stainless spring steel

ART N° 181601



Graduation: **mm**
Version: **etched**



ART N° stainless	ART N° carbon steel	circumference mm	diameter mm	 mm		
181601	181611	60 – 950	20 – 300	0.1	16 x 0.20	on request
181602	181612	940 – 2200	300 – 700	0.1	16 x 0.20	on request
181603	181613	2190 – 3460	700 – 1100	0.1	16 x 0.20	on request
181604	181614	3450 – 4720	1100 – 1500	0.1	16 x 0.20	on request
181605	181615	4710 – 5980	1500 – 1900	0.1	16 x 0.20	on request
181606	181616	5960 – 7230	1900 – 2300	0.1	16 x 0.20	on request
181607	181617	7220 – 8500	2300 – 2700	0.1	16 x 0.20	on request
181608	181618	8480 – 9760	2700 – 3100	0.1	16 x 0.20	on request
181609	181619	9730 – 11010	3100 – 3500	0.1	16 x 0.20	on request

Graduation: **mm**
Version: **laser engraved**



ART N° stainless	ART N° carbon steel	circumference mm	diameter mm	 mm		
181801	181811	60 – 950	20 – 300	0.1	16 x 0.20	on request
181802	181812	940 – 2200	300 – 700	0.1	16 x 0.20	on request
181803	181813	2190 – 3460	700 – 1100	0.1	16 x 0.20	on request
181804	181814	3450 – 4720	1100 – 1500	0.1	16 x 0.20	on request
181805	181815	4710 – 5980	1500 – 1900	0.1	16 x 0.20	on request
181806	181816	5960 – 7230	1900 – 2300	0.1	16 x 0.20	on request
181807	181817	7220 – 8500	2300 – 2700	0.1	16 x 0.20	on request
181808	181818	8480 – 9760	2700 – 3100	0.1	16 x 0.20	on request
181809	181819	9730 – 11010	3100 – 3500	0.1	16 x 0.20	on request

Graduation: **continuous in mm**
Version: **raised markings and figures in bright natural steel colour on a dark, etched background**

ART N° 183001



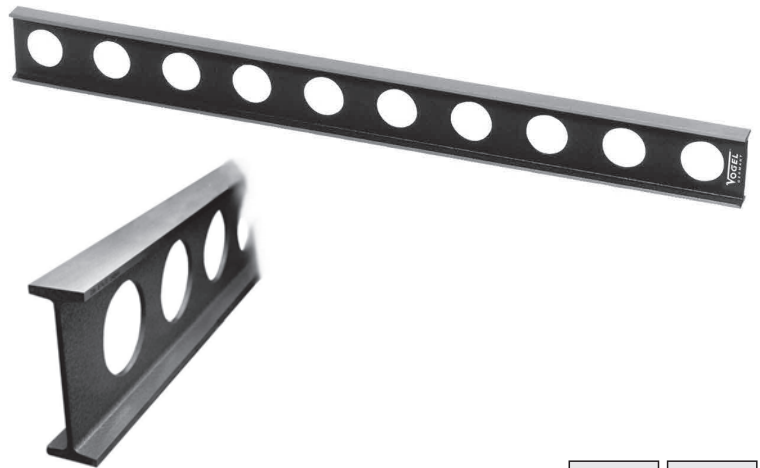
ART N°	circumference mm	diameter mm	 mm		
183001	60 – 950	20 – 300	0.1	13 x 0.20	on request
183002	60 – 2200	20 – 700	0.1	13 x 0.20	on request
183003	60 – 3780	20 – 1200	0.1	13 x 0.20	on request
183004	60 – 4720	20 – 1500	0.1	13 x 0.20	on request
183005	60 – 5980	20 – 1900	0.1	13 x 0.20	on request
183006	60 – 7540	20 – 2400	0.1	13 x 0.20	on request
183007	60 – 8500	20 – 2700	0.1	13 x 0.20	on request
183008	60 – 9760	20 – 3100	0.1	13 x 0.20	on request
183009	60 – 11310	20 – 3600	0.1	13 x 0.20	on request

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



DIN

CC

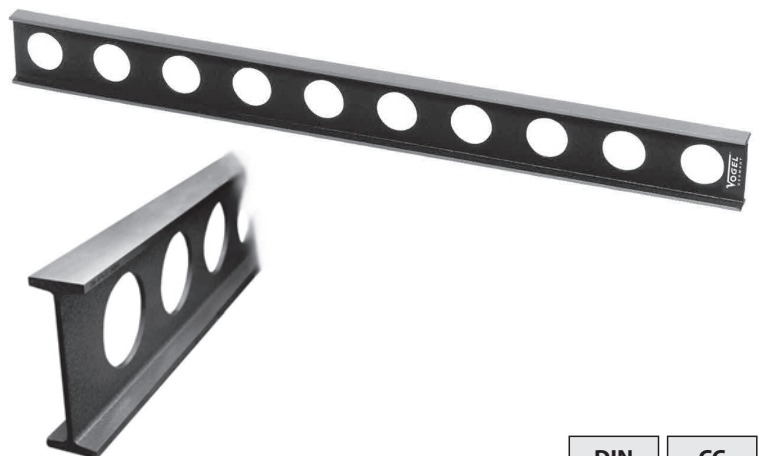
ART N ^o			CC	ART N ^o transport case
DIN 874 GG 0				
1580010100	1000	160 x 50	inclusive	15998100
1580010150	1500	160 x 50	inclusive	15998150
1580010200	2000	160 x 50	inclusive	15998200
1580010250	2500	160 x 50	inclusive	15998250
1580010300	3000	180 x 60	inclusive	—
1580010400	4000	180 x 60	inclusive	—
1580010500	5000	200 x 80	inclusive	—

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



DIN

CC

ART N ^o			CC	ART N ^o transport case
DIN 874 GG 1				
1581010100	1000	100 x 30	inclusive	15998100-1
1581010150	1500	100 x 30	inclusive	15998150-1
1581010200	2000	120 x 40	inclusive	15998200-1
1581010250	2500	120 x 40	inclusive	15998250-1
1581010300	3000	140 x 40	inclusive	—
1581010400	4000	140 x 40	inclusive	—
1581010500	5000	160 x 40	inclusive	—

Straight Edges

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
- from up 2000 mm length shaped in I-form, with hand slots
- incl. calibration certificate

• Quality DIN 874 page 1, accuracy GG 1, made of steel:

- edges and flat sides finely ground
- stainless and carbon steel quality available
- from up 2000 mm length shaped in I-form, with hand slots
- incl. calibration certificate

• 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
- from up 4000 mm length shaped in I-form, with hand slots
- incl. calibration certificate

ART N° 1590000050

form A



ART N° 1590000200

form B



DIN

CC

ART N° DIN 874 GG 0 INOX	ART N° DIN 874 GG 0	form				ART N° transport case
1590000050	1590010050	A	500	50 x 10	inclusive	15990050
1590000100	1590010100	A	1000	60 x 12	inclusive	15990100
1590000150	1590010150	A	1500	70 x 15	inclusive	15990150
1590000200	1590010200	B	2000	80 x 15	inclusive	15990200
1590000300	1590010300	B	3000	120 x 18	inclusive	—
1590000400	1590010400	B	4000	140 x 20	inclusive	—
1590000500	1590010500	B	5000	140 x 20	inclusive	—

DIN 874 GG 1 INOX	DIN 874 GG 1	form				ART N° transport case
1591000050	1591010050	A	500	40 x 8	inclusive	15990050-1
1591000100	1591010100	A	1000	50 x 10	inclusive	15990100-1
1591000150	1591010150	A	1500	60 x 12	inclusive	15990150-1
1591000200	1591010200	B	2000	70 x 15	inclusive	15990200-1
1591000300	1591010300	B	3000	100 x 16	inclusive	—
1591000400	1591010400	B	4000	120 x 18	inclusive	—
1591000500	1591010500	B	5000	140 x 20	inclusive	—

DIN 874 GG 2 INOX	DIN 874 GG 2	form				ART N° transport case
1592000050	1592010050	A	500	30 x 6	inclusive	15990050-2
1592000100	1592010100	A	1000	40 x 8	inclusive	15990100-2
1592000150	1592010150	A	1500	50 x 10	inclusive	15990150-2
1592000200	1592010200	A	2000	60 x 12	inclusive	15990200-2
1592000300	1592010300	A	3000	80 x 15	inclusive	—
1592000400	1592010400	B	4000	100 x 16	inclusive	—

Precision Straight Edge

DIN 874

- 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 resistance
- 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

quality DIN 874 page 1, accuracy GG 0

quality DIN 874 page 1, accuracy GG 1

quality DIN 874 page 1, accuracy GG 2

DIN

CC

ART NO DIN 874 GG 0			CC	ART NO transport case
1593000050	500	60 x 12	inclusive	15991050
1593000100	1000	60 x 12	inclusive	15991100
1593000150	1500	100 x 15	inclusive	15991150
1593000200	2000	100 x 15	inclusive	15991200
1593000250	2500	100 x 15	inclusive	15991250
1593000300	3000	150 x 20	inclusive	—
1593000400	4000	150 x 20	inclusive	—
1593000500	5000	150 x 20	inclusive	—
DIN 874 GG 1				
1593010050	500	60 x 12	inclusive	15991050
1593010100	1000	60 x 12	inclusive	15991100
1593010150	1500	100 x 15	inclusive	15991150
1593010200	2000	100 x 15	inclusive	15991200
1593010250	2500	100 x 15	inclusive	15991250
1593010300	3000	150 x 20	inclusive	—
1593010400	4000	150 x 20	inclusive	—
1593010500	5000	150 x 20	inclusive	—
1593010600	6000	150 x 20	inclusive	—
DIN 874 GG 2				
1593020050	500	60 x 12	inclusive	15991050
1593020100	1000	60 x 12	inclusive	15991100
1593020150	1500	60 x 12	inclusive	15991150
1593020200	2000	60 x 12	inclusive	15991200
1593020250	2500	100 x 15	inclusive	15991250
1593020300	3000	100 x 15	inclusive	—
1593020400	4000	100 x 15	inclusive	—
1593020500	5000	150 x 20	inclusive	—
1593020600	6000	150 x 20	inclusive	—

Precision Graduated Straight Edges

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

ART N° 1691000050



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 N° 1692000050



DIN

ART N°	ART N°				ART N° transport case
DIN 866 / A INOX	DIN 866 / A				
1691000050	1691010050	500	30 x 6	on request	1699050-A
1691000100	1691010100	1000	40 x 8	on request	1699100-A
1691000150	1691010150	1500	40 x 8	—	1699150-A
1691000200	1691010200	2000	50 x 10	—	1699200-A
1691000300	1691010300	3000	50 x 10	—	—
1691000400	1691010400	4000	60 x 12	—	—
1691000500	1691010500	5000	70 x 15	—	—
DIN 866 / B INOX	DIN 866 / B				
1692000050	1692010050	500	25 x 5	on request	1699050-B
1692000100	1692010100	1000	30 x 6	on request	1699100-B
1692000150	1692010150	1500	30 x 6	—	1699150-B
1692000200	1692010200	2000	40 x 8	—	1699200-B
1692000300	1692010300	3000	40 x 8	—	—
1692000400	1692010400	4000	50 x 10	—	—
1692000500	1692010500	5000	60 x 12	—	—

Tolerances according to DIN 866

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

Straight Edges with bevel

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

type A ART N° 1794200030



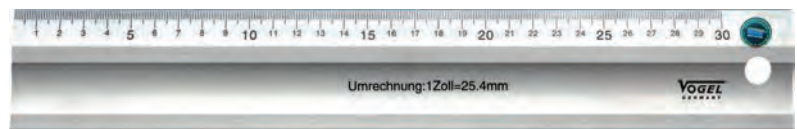
type B ART N° 1794300030



ART N° type A	ART N° type B	mm	mm
1794200030	1794300030	300	40 x 5
1794200040	1794300040	400	40 x 5
1794200050	1794300050	500	40 x 5
1794200080	1794300080	800	40 x 5
1794200100	1794300100	1000	40 x 5
1794200150	1794300150	1500	40 x 5
1794200200	1794300200	2000	40 x 5

Straight Edge with bevel

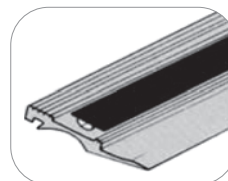
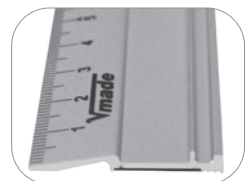
- for technicians
- made of hard aluminium, anodized quality
- anodised quality
- with black printed mm graduation and cm numbering



ART N°	mm	mm
1795300030	300	50 x 5
1795300060	600	50 x 5
1795300100	1000	50 x 5
1795300180	1800	50 x 5

Straight Edge with bevel

- e.g. for school, education, DIY and craftsmen
- made of hard aluminium, anodized quality
- made of hard aluminium, anodised quality
- with mm graduation, printed
- backside covered with anti-slip foam rubber



ART N°	mm	mm
1796300030	300	35 x 3.5
1796300060	600	35 x 3.5
1796300100	1000	35 x 3.5

Digital Distance and Positioning Measurement Systems

MASTER-LINE® Digital Distance and Positioning Measuring System incl. VGA Camera with Zoom Factor • IP54

- electronic unit and LCD fixed on the sliding parts
- stainless steel, hardened rail
- feet with magnet inserts, rubber caps (non-slip) and positioning arrows
- large color display with crosshair and zoom function
- LED light units with 4x white and 4x UV / black light, switchable

Elektronic

- large LCD with clear reading, digit height 14 mm
- On/Off switch, zero setting at any position, data hold function
- Preset, Origin switch
- unit switchable in mm/inch
- data transfer via WiFi or Bluetooth®
- incl. 2x 3 V battery (type CR 2032, art. no.: 90112), with operation manual

Camera (art. no. 601251)

- VGA camera sensor, Camera rechargeable
- focus manually adjustable via handwheel
- 10x zoom function (10 % steps)
- 3.5" colour display, 720 pixels
- video format AVI, photo format JPG
- Mini USB port for charging cable
- Mini SD card slot
- incl. Micro SD card, 4 GB
- incl. Micro SD card adapter for transfer to PC

Option

- transmitter and receiver for wireless communication as a set, art. no.: 2040101, see page 272



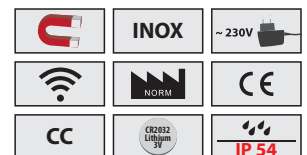
LED lighting units

- 4x white light
- 4x UV/black light
- switchable

VGA camera



Option
art. no.: 2040101,
2023106 and 209000



ART NO	mm / inch	mm / inch	mm	mm	total length mm	CC
103052	135 / 5	0.01 / 0.0005	0.01	0.03	275	inclusive
103053	185 / 7	0.01 / 0.0005	0.01	0.03	325	inclusive
103054	285 / 11	0.01 / 0.0005	0.01	0.03	425	inclusive
103055	480 / 18	0.01 / 0.0005	0.01	0.04	625	inclusive

Digital Distance and Positioning Measurement Systems

MASTER-LINE® Digital Distance and Positioning Measuring System incl. VGA Camera with Zoom Factor • IP40

- electronic unit and LCD fixed on the sliding parts
- extremely hardened rail made of aluminium
- feet with rubber caps (non-slip)
- large colour display with crosshair and zoom function
- LED light units with 4x white and 4x UV / black light, switchable

Elektronic

- large LCD with clear reading, digit height 14 mm
- On/Off switch, zero setting at any position, data hold function
- Preset, Origin switch
- unit switchable in mm/inch
- data transfer via WiFi or Bluetooth®
- incl. 2x 3 V battery (type CR 2032, art. no.: 90112), with operation manual

Camera (art. no. 601251)

- VGA camera sensor, camera rechargeable
- focus manually adjustable via hand wheel
- 10x zoom function (10 % steps)
- 3,5" colour display, 720 pixels
- video format AVI, photo format JPG
- Mini USB port for charging cable
- Mini SD card slot
- incl. Micro SD card, 4 GB
- incl. Micro SD card adapter for transfer to PC

Options

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



LED lighting units

- 4x white light
- 4x UV/black light
- switchable

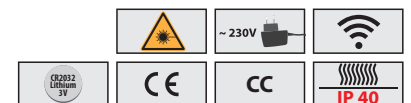
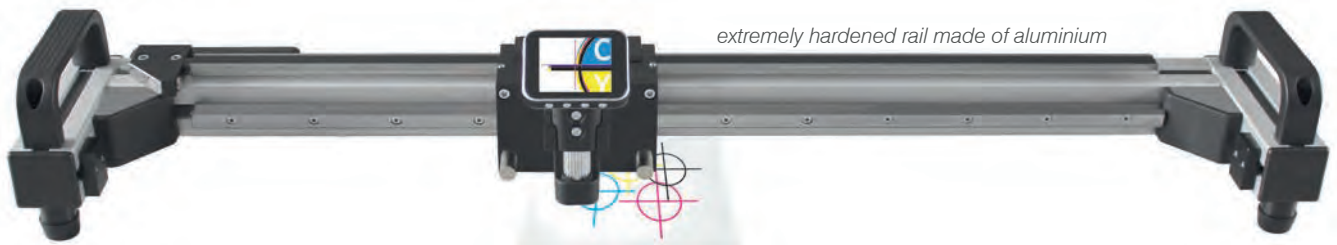
VGA camera



bottom



extremely hardened rail made of aluminium



ART NO	mm / inch	mm / inch	1 mW	mm	max. mm	total length mm	CC
102806	600 / 24	0.01 / 0.0005	1 mW	0.01	0.05	920	inclusive
102807	1000 / 40	0.01 / 0.0005	1 mW	0.01	0.06	1320	inclusive
102808	1500 / 60	0.01 / 0.0005	1 mW	0.01	0.10	1800	inclusive

Digital Measuring Magnifiers

Digital Measuring Magnifier

- with parallax-free reading
- large colour display with scaling
- each LED light unit with 4x UV/black light and 4x white light, switchable

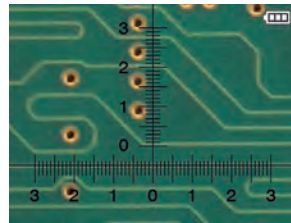
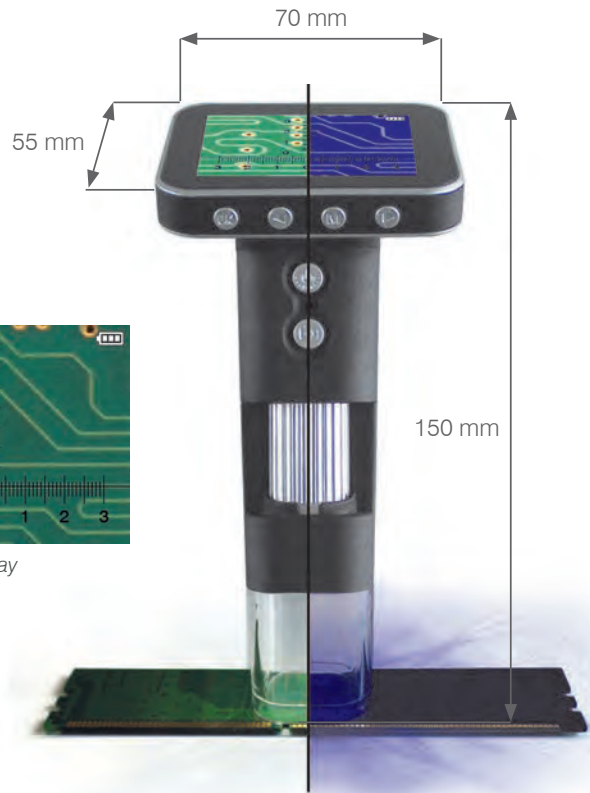
- VGA camera sensor, camera rechargeable
- focus manually adjustable via hand wheel
- 3.5" colour display, 720 pixels
- video format AVI, photo format JPG
- Mini-USB port for charging cable
- Mini SD card slot
- incl. Micro SD card, 4 GB
- incl. Micro SD card adapter for transfer to PC

Suitable for professional applications

- printing and circuit board industry
- tool and mechanical engineering
- textile manufacturing
- facade and window construction
- automotive industry
- building appraisal
- and many other technical applications

Option

- accessories: Stand, art. no.: 601255



display



Option: Stand
art. no.: 601255



LED lighting units

- 4x white light
- 4x UV/black light
- switchable

VGA camera



bottom



ART NO	mm / inch	mm	height in mm
601250	3 - 0 - 3	0.10	160
Option: Stand			
601255	—	—	170

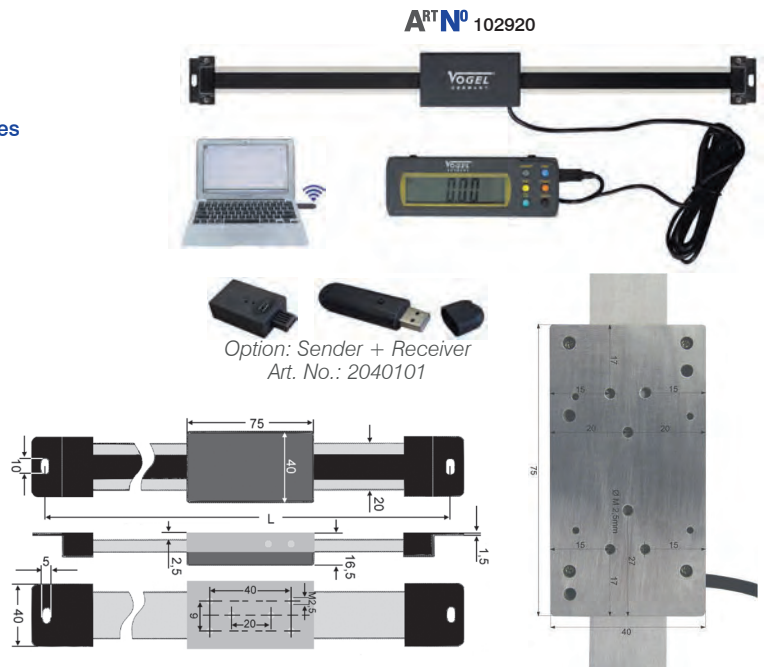
Electr. Digital Scale • IP67 (only scale)

- for horizontal and vertical use
- stainless steel, hardened rail
- with electronic unit and separate LCD display
- for mounting on machine tools, milling-, drilling machines and for many other purposes
- with data output, top model (connectivity also for Digimatic measuring devices)

- large LCD display with clear reading, digit height 18 mm
- rugged plastic housing, with built-in magnet on the backside
- 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-, ABS / INC button
- unit switchable in mm/inch/fraction in inch
- incl. 2x 3 V battery (type CR2032, art. no.: 90112), with operation manual

Options

- data box with USB port, art. no.: 2420194
- footswitch for data box, art. no.: 209011
- transmitter and receiver for wireless communication as set, art. no.: 2040101, see page 272



Option: Sender + Receiver
Art. No.: 2040101



ART N°	mm / inch	mm / inch	mm	mm	L mm	CC
102920	150 / 6	0.01 / 0.0005	0.01	0.06	284	on request
102921	200 / 8	0.01 / 0.0005	0.01	0.08	334	on request
102922	300 / 16	0.01 / 0.0005	0.01	0.10	436	on request
102923	600 / 24	0.01 / 0.0005	0.01	0.15	735	on request
102924	1000 / 40	0.01 / 0.0005	0.01	0.20	1135	on request

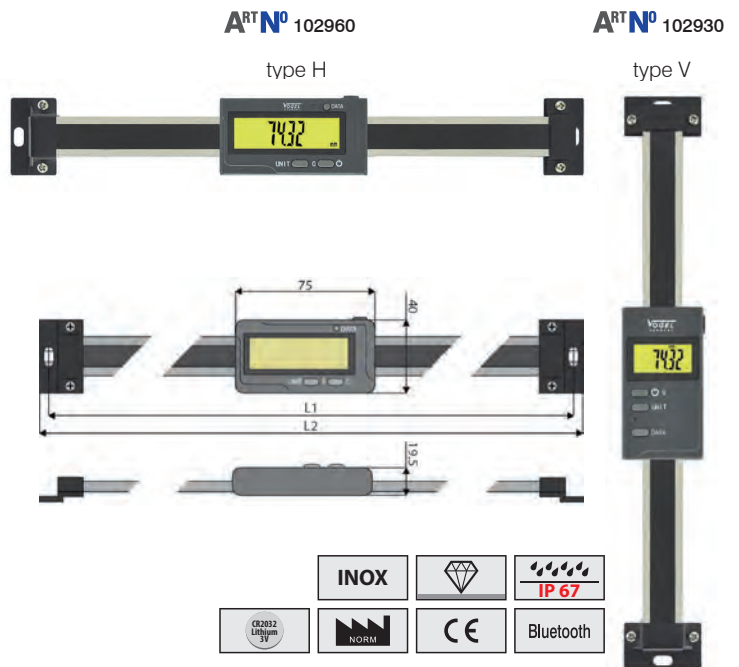
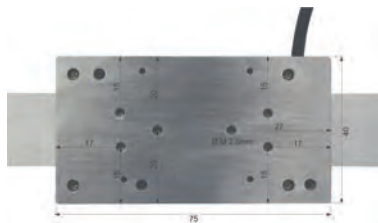
Electr. Digital Scale • IP67

- in horizontal and vertical version
- stainless steel, hardened rail
- with LCD display on the rail
- for mounting on machine tools, milling-, drilling machines and for many other purposes
- with integrated Bluetooth® technology

- large LCD display with clear reading, digit height 10 mm
- flexible application, in horizontal and vertical position
- On/Off switch
- zero setting at any position
- unit switchable in mm/inch
- incl. 1x 3 V battery (type CR2032, art. no.: 90112), with operation manual

Option

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



ART N° type H	ART N° type V	mm / inch	mm / inch	mm	mm	L 1 mm	L 2 mm	CC
102960	102930	150 / 6	0.01 / 0.0005	0.01	0.02	277	286	on request
102961	102931	200 / 8	0.01 / 0.0005	0.01	0.03	317	326	on request
102962	102932	300 / 12	0.01 / 0.0005	0.01	0.03	417	426	on request
102963	102933	500 / 20	0.01 / 0.0005	0.01	0.05	637	646	on request
102964	102934	1000 / 40	0.01 / 0.0005	0.01	0.06	1137	1146	on request

Pocket Measuring Tapes

Pocket Measuring Tapes

tolerance class II acc. to MID

- exceptional tape stability
 - suitable for craftsmen and industry
 - ergonomic design, lies save and non slip in your hand
 - in a practical sales box, including hanging cards
- 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
 - with two-point magnetic fixing



ART NO	Package quantity Piece		 ± mm	 mm		 mm
graduation in mm						
141003-24	24	3 m	0.90	16	65 x 65 x 35	1400
141005-12	12	5 m	1.30	19	65 x 73 x 35	1750
141008-12	12	8 m	1.80	25	80 x 85 x 40	2100
141010-12	12	10 m	1.80	25	80 x 85 x 40	2100
graduation in mm/inch						
141103	1	3 m / 122 inch	0.90	16	65 x 65 x 35	1400
141105	1	5 m / 197 inch	1.30	19	65 x 73 x 35	1750
141108	1	8 m / 315 inch	1.80	25	80 x 85 x 40	2100

Pocket Measuring Tapes, in stainless steel metal housing

tolerance class II acc. to MID

- exceptional tape stability
- ergonomic design, lies save and non slip in your hand
- with graduation on front- and backside, backside with crosswise graduation for comfortable vertical reading
- autom. blade-stop
- in a practical sales box, including hanging cards

- 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
- with two-point magnetic fixing



ART NO	Package quantity Piece		 ± mm	 mm		 mm
141403-12	12	3	0.90	19	80 x 75 x 35	1750
141405-12	12	5	1.30	25	80 x 75 x 42	2100
141408-12	12	8	1.80	25	80 x 75 x 42	2100

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.: 90112), and operation manual



ART NO	mm / inch	cm	± mm	mm	mm	mm	CC
140105	5 m / 16 ft	0.1	1.5	19	75 x 70 x 32	1700	on request

Pocket Measuring Tape with Laser Distance Meter

tolerance class II acc. to MID

- exceptional tape stability
- only suitable for indoor use
- nylon-wrapped, black tape, extremely scratch resistant and kink resistant
- sliding hook, for internal and external measurement
- long-life spring made of special steel
- automatic blade return and blade stop
- white/red figures, white scale
- scaling on both sides in mm/cm



Laser Distance Meter

- the instrument measures distance, area and volume
- indirect measuring for height measuring
- calculation of angles and triangular areas, trapezoidal faces and much more
- measuring range 0 – 30 m, reading 0,001 m
- max. total accuracy ± 1,5 mm, laser wavelength 19 nm
- „low-battery display“
- measuring in meter, inch or engl. feet, measurement speed 0.5 sec.
- autom. power off: after ~20 sec.
- operation temperature -10 °C ~ +40 °C, storage temperature -20 °C ~ +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 – 660 nm, output max.1 mW
- with 3.7 V Li-Ion rechargeable battery, incl. charger 5 V AC and operation manual



display on the backside



with point laser



laser output



ART NO	mm / inch	m	mm	mm	mm	mm	CC
140108	5 m / 16ft	0.001	1.5	19	65 x 4.30 x 65	1700	on request



Steel Measuring Tapes and Wood Folding Rules

Steel Measuring Tapes

- 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 N°	 mm	
graduation from left to right		
1211310100	1000	13 x 0.5
1211310200	2000	13 x 0.5
1211310300	3000	13 x 0.5
1211310400	4000	13 x 0.5
1211310500	5000	13 x 0.5
1211310600	6000	13 x 0.5
graduation from right to left		
1211410100	1000	13 x 0.5
1211410200	2000	13 x 0.5
1211410300	3000	13 x 0.5
1211410400	4000	13 x 0.5
1211410500	5000	13 x 0.5
1211410600	6000	13 x 0.5

Wood Folding Rule

acc. to tolerance class III, 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
- with 10 links, closely spaced fins, fitting springs back
- with standard angle imprint at the 2nd link
- assembled with special 3 mm rivets
- precise 90° angle locking and ruler function
- optimal leverage and handy to use



Other colours or advertising print are available on request!



Example illustration: Wood Folding Rule with advertising print

Example illustration: Wood Folding Rule in different colours



ART N°	 mm / inch	colour	 each link	 L x W in total	number of links
1312010200	2000 / 78.74	white	3.20 x 16	235 x 35	10

Measuring Tapes in Light Metal Frames

Measuring tapes in a light metal diagonal frame

acc. to tolerance class II

- product for highest demands
- in a robust and rigid light metal 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 tabs
- measuring tape made of steel, painted white, with black figures
- graduation and numbering through transparent lacquer protected against abrasion
- graduation in mm, one side

ART N° 143201



Beginning of tape

type A



type B



type C



ART N°	type	m	mm
143201	type A	10	13
143202		20	13
143203		30	13
143204		50	13
143205	type B	10	13
143206		20	13
143207		30	13
143208		50	13
143209	type C	10	13
143210		20	13
143211		30	13
143212		50	13

Measuring tapes in a light metal triangle frame

acc. to tolerance class II

- product for highest demands
- in a robust and rigid light metal frame
- ergonomic handle
- crank with metal shaft, ensures fatigue-free measurement work
- lasting ease of the tape when rolling in and out
- with different beginnings for the tabs
- measuring tape made of steel, painted white, with black figures
- graduation and numbering through transparent lacquer protected against abrasion
- graduation in mm, one side

ART N° 143301



Beginning of tape

type A



type B



type C



ART N°	type	m	mm
143301	type A	10	13
143302		20	13
143303		30	13
143304		50	13
143305	type B	10	13
143306		20	13
143307		30	13
143308		50	13
143309	type C	10	13
143310		20	13
143311		30	13
143312		50	13

Measuring Tapes in a Platal Capsule

Measuring Tapes in a light PVC coated steel case

acc. to tolerance class II

• product for highest demands

- in a robust and PVC coated steel case
- 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 tabs
- Measuring tape made of steel, painted white, with black figures
- graduation and numbering through transparent lacquer protected against abrasion
- graduation in mm, one side

ART N^o 143101



Beginning of tape

type A





type B



type C



ART N ^o	type	 m	 mm
143101	type A	10	13
143102		20	13
143103		30	13
143104		50	13
143105	type B	10	13
143106		20	13
143107		30	13
143108		50	13
143109	type C	10	13
143110		20	13
143111		30	13
143112		50	13



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Tank Dipping Tapes of stainless steel

acc. to tolerance class II

- tolerance class II, $\pm a + bL$
(a = 0,3mm, b = 0,2 mm, L = length in m)
- available on request:
tolerance class I, $\pm a + bL$
(a = 0,1mm, b = 0,1 mm, L = length in m)
- strong frame of anodised light metal with oblique handle
- strong foldable winding arm of anodised light metal
- winding drum of durable plastic
- bright graduation and figures, on dark background
- graduation in mm, one side

Tension

- the tension force of the tape is in accordance with the weight of the dip weight
(indicate when ordering for which dip weight the tapes should be used)

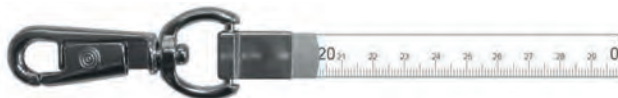
Options

- type plumb U, art. no.:143601
- type plumb D, art. no.:143602

Dipping Tapes dimensions for other applications on request!

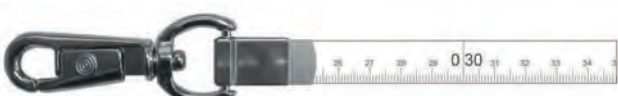
Beginning of tape

type U



steel, high etched

type D



stainless steel, high etched

ART N° 143601



plumb type U

- material stainless steel
- weight is attached by a swivel hook
- graduated one side only
- cylindrical with flat bottom
- 121 mm long, \varnothing 25 mm
- graduation: mm
- weight: 400 g

ART N° 143501



plumb type U

ART N° 143511



plumb type D



ART N° 143602



plumb type D

- material brass
- weight is attached by a swivel hook
- graduated one side only
- cylindrical with tip
- 171 mm long, \varnothing 22 mm
- graduation: mm
- weight: 400 g

II

ART N°	plumb type	 m	 mm
143501	U	10	13 x 0.2
143502		20	13 x 0.2
143503		30	13 x 0.2
143504		50	13 x 0.2
143511	D	10	13 x 0.2
143512		20	13 x 0.2
143513		30	13 x 0.2
143514		50	13 x 0.2

Electr. Digital Measuring Wheels

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 backlight
- 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 °C ~ +60 °C, handle made of ABS plastic
- incl. 4x 1.5 V battery (type AAA, art. no.: 90002), with operation manual







measuring wheel folded



operation panel



ART N°	 m / ft	 m	 max. ± %	measuring wheel ø mm	 mm
140210	999.999 / 999.999.9	0.10	0.5	318	1122 x 318 x 85

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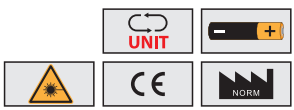
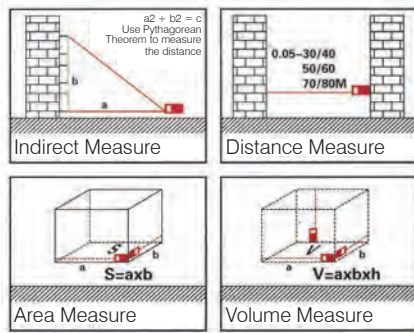
Any questions?
We are pleased to advise.

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Laser Distance Meter

- 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 three related measurements

- „low-battery-display“, with backlight, memory function for 20 measurements
- measuring in meter, inch or engl. feet switchable, measurement speed 0.1 ~ 4 sec.
- autom. power off: laser beam after ~15 sec., device after ~120 sec.
- operation temperature -10 °C ~ +40 °C, storage temperature -20 °C ~ +65 °C
- user-friendly rubber buttons, sound signal by pressing the buttons
- laser class II, FCC test (part 15), EN 60825-1:2007
- laser parameter 620 – 670 nm, output max.1 mW
- incl. 2x 1.5 V battery (type AAA, art. no.: 90002) and operation manual

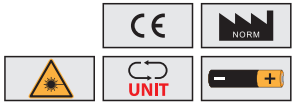
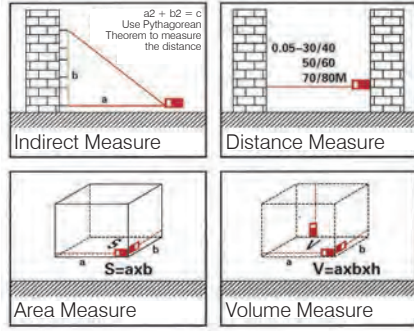


ART NO	m	m	mm	nm	W mW	mm	CC
140134	0.5 – 100	0.001	3	620 ~ 670	max. 1	120 x 56 x 27	on request

Laser Distance Meter









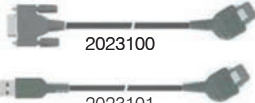



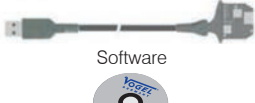
















- the instrument measures distance, area and volume
- distances can be added or subtracted
- indirect measuring for height measuring
- calculation of angles and triangular areas, trapezoidal faces and much more
- Pythagoras-Function 1: calculation of distance using two related measurements
- Pythagoras-Function 2: calculation of distance using three related measurements
- angle sensor 0° – 150°

- „low-battery-display“, with backlight, memory function for 50 measurements
- measuring in meter, inch or engl. feet switchable, measurement speed 0,5 sec.
- autom. power off: laser beam after ~ 30 sec., device after ~ 180 sec.
- operation temperature -10 °C ~ +40 °C, storage temperature -20 °C ~ +65 °C
- user-friendly rubber buttons, sound signal by pressing the buttons
- laser class II, FCC test (part 15), EN 60825-1:2007
- laser parameter 620 – 690 nm, output max. 1 mW
- incl. 2x 1.5 V battery (type AAA, art. no.: 90002) and operation manual



ART NO	m	m	mm	nm	W mW	mm	CC
140132	0.5 – 100	0.001	2	620 ~ 690	max. 1	117 x 52 x 27	on request

Data Processing

	ART N°	article description		ART N°	article description
 <p>compatible with</p> 	2040101	WiFi	 <p>compatible with</p> 	3420195	<p>USB - Mini-USB interface box with data key and with foot switch port</p> <p>optional, additional available: foot switch (art.-no.: 209011)</p>
 <p>compatible with</p> 	2040102	WiFi Mini-USB	 <p>compatible with</p> 	230139	<p>USB - Mini-USB interface box with data key and with foot switch port</p> <p>optional, additional available: foot switch (art.-no.: 209011)</p>
 <p>2023100 2023101</p> <p>Software</p> 	2023100	PROXIMITY - RS232 Software	 <p>compatible with</p> 	209001	Interface USB - Mini-USB, 0.01 mm / 0.001 mm, with data key
 <p>Software</p> 	2023101	PROXIMITY - USB Software		209010	foot switch made of metal, with cinch plug 2.5 mm
 <p>Software</p> 	2424101	POWER - USB, external power Software		209011	foot switch made of metal, with cinch plug 3.5 mm
	2020188	USB - RS232, adapter (optional suitable for 2323100)		2023105	wireless data transfer transmitter module for measuring devices with proximity interface
 <p>compatible with</p> 	2420192	USB - Mini-USB (with data key) optional, additional available: foot switch (art. no. 209011)		2023104	wireless data transfer USB receiver (up to 15 m distance)
 <p>compatible with</p> 	2420194	USB-PC - Duo-Data output interface box with data key and with foot switch port (connectivity also for Mitutoyo Digimatic measuring devices) optional, additional available: foot switch (art.-no.: 209011)		2023106	wireless data transfer USB receiver Bluetooth®
				2023106S	wireless data transfer USB receiver Bluetooth®
				209000	Bluetooth® transmitter
				209009	Bluetooth® transmitter Mini-USB

Our certified QM-System is constantly controlled and improved by internal and external Audits of **TÜV Rheinland**.



Calibration certificates for our products on request, please!



Workshop Calibration Certificate in german or english language, acc. to DIN/ISO etc.

Scope: Calibration certificate indicating the deviation and limits of normal and with the test curve(s) for the measured according to the criteria of standards, confirmation of their performance. Confirmation of traceability to national normal, indicating an identification number.

Validity: Individually for each single instrument/device. Period of validity in accordance with your quality management manual (usually 12 month)

Price: See our price list, prices valid only for initial delivery from the factory, price for re-calibration on request, please.



Calibration test report by an accredited testing laboratory

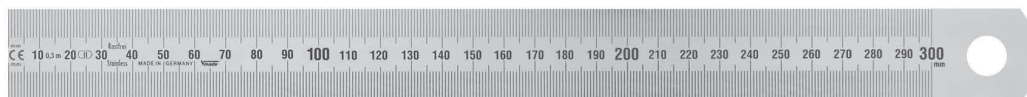
Scope: As mentioned above, calibration test report as mentioned above, but accredited by testing laboratory.

Validity: Individually for each single instrumen/device. Period of validity in accordance with your quality management manual (usually 12 month)



Price: see price list, prices valid only for initial delivery from the factory, price for re-calibration on request, please.

Steel Rules

- Scales above and below





example

	
250	1094001
500	1094005
1000	1094010
2000	1094020
4000	1094040
6000	1094060
8000	1094080
12000	1094120

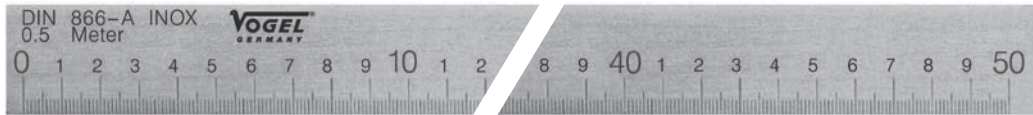
Circumference Measuring Tapes




example

	
1000	1894001
5000	1894005
10000	1894010
20000	1894020

Graduated Straight Edges





example

			 DIN 866	 DIN 866
500		1694005	1694005-866	1694005-DKD
1000		1694010	1694010-866	1694010-DKD
1500		1694015	1694015-866	—
2000		1694020	1694020-866	—

Electr. Digital Scales





example

	
1000	1094490

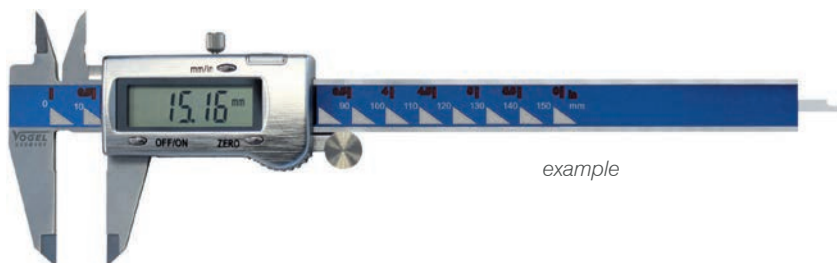
Calibration




Pocket Measuring Tapes



		
5000	1494305	1494305-DKD
10000	1494310	1494310-DKD
20000	1494320	1494320-DKD
50000	1494350	1494350-DKD

Calipers



		
200	2094101	2094101-DKD
300	2094103	2094103-DKD
500	2094105	2094105-DKD
1000	2094110	2094110-DKD
2000	2094120	2094120-DKD