



WINKEL

WINKEL
WINKELMESSGERÄTE
LINEALE
PARALLELUNTERLAGEN
SCHRAUBSTOCK, PRISMEN

SQUARES

SQUARES
BEVEL PROTRACTOR
RULER
PARALLEL STEEL
VISE, V-BLOCKS

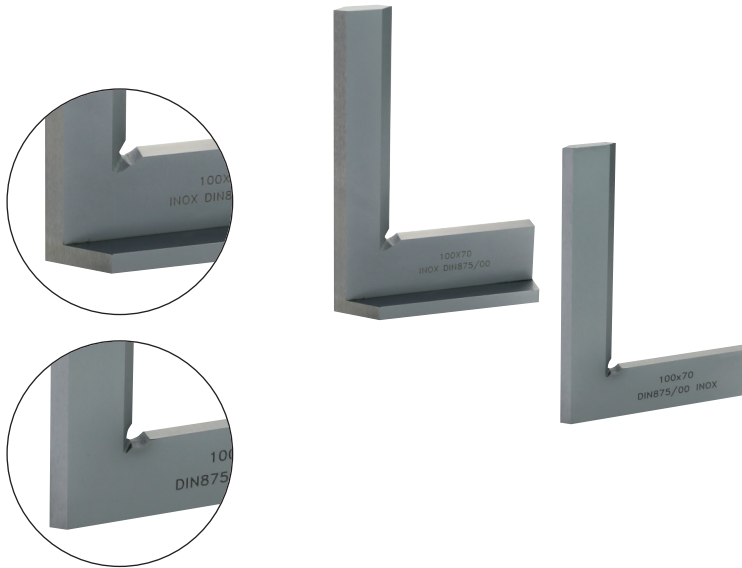
7

| Squares, Bevel Protractor, Parallel Steels, V-Blocks

| | | | | | | |
|---|---|---|---|--|--|---|
| 7 |  7.1 |  7.1 |  7.1 |  7.1 |  7.2 |  INOX DIN 875/0 7.2 |
|  INOX DIN 875/0 7.2 |  INOX DIN 875/1 7.2 |  INOX DIN 875/1 7.2 |  INOX DIN 875/2 7.2 |  INOX DIN 875/2 7.2 |  DIN 875/1 7.3 |  DIN 875/1 7.3 |
|  DIN 875/2 7.3 |  DIN 875/2 7.3 |  7.3 |  7.3 |  7.4 |  7.4 |  7.4 |
|  7.4 |  7.4 |  7.5 |  7.5 |  7.5 |  7.5 |  7.6 |
|  7.6 |  7.7 |  7.7 |  7.7 |  7.8 |  7.9 |  7.9 |
|  7.10 |  7.10 |  7.10 |  7.11 |  7.11 |  7.12 |  7.12 |
|  7.12 |  7.12 |  7.13 |  7.13 |  7.14 |  7.15 |  7.15 |
|  7.16 |  7.17 |  7.17 |  7.18 |  7.18 |  7.18 |  7.19 |
|  7.19 |  7.19 |  7.19 |  7.20 |  7.21 |  7.22 |  7.22 |

PRÄZISIONS-HAARWINKEL, INOX
BEVEL EDGE SQUARES, INOX

214.002



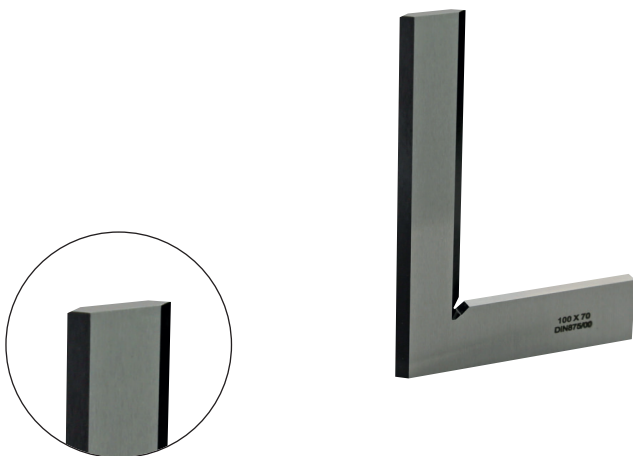
- aus rostfreiem Stahl
- mattverchromt
- mit 2 Haarmesskanten, ganz gehärtet
- Genauigkeit DIN 875/00
- im Behältnis/Kasten

- *made of stainless steel*
- *chrome finished*
- *with two bevel edges, hardened*
- *accuracy DIN 875/00*
- *in case/box*

| Abmessung Size mm | Art.-Nr. Item no. | flach / flat | | mit Anschlag / with back | |
|----------------------|----------------------|----------------------|----------------------|--------------------------|--|
| | | Euro/St. Euro/Pc. | Art.-Nr. Item no. | Euro/St. Euro/Pc. | |
| 50 x 40 | 214.002 | 23,40 | 214.102 | 48,50 | |
| 75 x 50 | 214.003 | 26,80 | 214.103 | 59,50 | |
| 100 x 70 | 214.004 | 32,00 | 214.104 | 61,50 | |
| 150 x 100 | 214.005 | 53,70 | 214.105 | 73,50 | |
| 200 x 130 | 214.006 | 72,00 | 214.106 | 112,00 | |
| 300 x 200 | 214.008 | 141,00 | 214.108 | 179,00 | |

PRÄZISIONS-HAARWINKEL, SCHWARZ BRUNIERT
BEVEL EDGE SQUARES, BLACK BRANDES

214.132



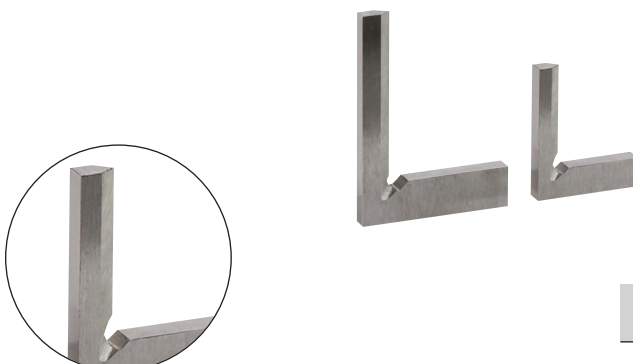
- aus Werkzeugstahl
- Haarmesskante schwarz bruniert
- mit 2 Haarmesskanten, ganz gehärtet
- Genauigkeit DIN 875/00
- im Behältnis/Kasten

- *made of tool steel*
- *edge black branded*
- *with two bevel edges, hardened*
- *accuracy DIN 875/00*
- *in case/box*

| Art.-Nr. Item no. | Abmessung Size mm | Euro/St. Euro/Pc. |
|----------------------|----------------------|----------------------|
| 214.132 | 50 x 40 | 22,30 |
| 214.133 | 75 x 50 | 24,50 |
| 214.134 | 100 x 70 | 31,60 |
| 214.135 | 150 x 100 | 50,40 |
| 214.136 | 200 x 130 | 61,50 |

SCHNITTMACHERWINKEL
BEVEL EDGE SQUARES

214.010



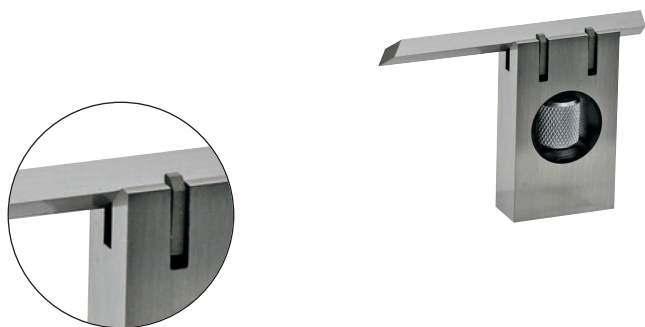
- aus rostfreiem Stahl
- mattverchromt
- mit Innen-Messkante
- Genauigkeit DIN 875/00
- im Behältnis/Kasten

- *made of stainless steel, chrome finished*
- *with inside bevelled edge*
- *accuracy DIN 875/00*
- *in case/box*

| Art.-Nr. Item no. | Abmessung Size mm | Kurzer Schenkel Short Blade mm | Langer Schenkel Long Blade mm | Euro/St. Euro/Pc. |
|----------------------|----------------------|-----------------------------------|----------------------------------|----------------------|
| 214.010 | 25 x 20 | 6 x 3,5 | 5 x 3,5 | 23,60 |
| 214.011 | 40 x 28 | 6 x 3,5 | 5 x 3,5 | 25,70 |

7.2 | Squares, Bevel Protractor, Parallel Steels, V-Blocks

214.009 VERSTELLBARER HAARWINKEL ADJUSTABLE BEVEL EDGE SQUARES

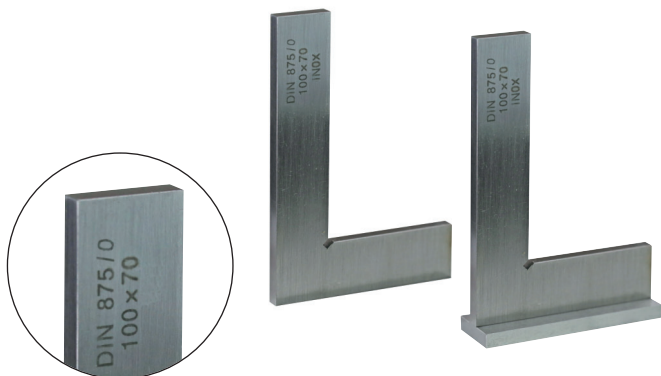


- aus rostfreiem Stahl
- mit 2 Haarmesskanten
- ganz gehärtet
- Genauigkeit DIN 875/0
- im Behältnis/Kasten

- *made of stainless steel*
- *with two bevel edges, hardened, tempered*
- *accuracy DIN 875/0*
- *in case/box*

| Art.-Nr. Item no. | Haarlineal Knife edge mm | Griff Handle mm | Euro/St. Euro/Pc. |
|----------------------|-----------------------------|--------------------|----------------------|
| 214.009 | 4 x 4 x 60 | 40 x 23 x 10 | 134,00 |

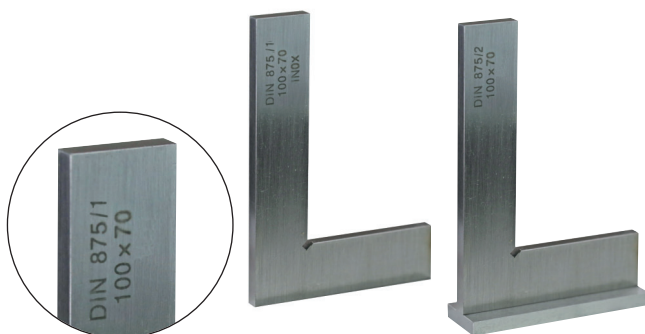
214.302 PRÄZISIONS-KONTROLLWINKEL, ROSTFREI, DIN 875/0 PRECISION CONTROL SQUARES, INOX, DIN 875/0



- rostfrei, gehärtet, DIN 875/0
- *stainless, hardened, DIN 875/0*

| Abmessung Size mm | Art.-Nr. Item no. | flach / flat | mit Anschlag / with back | |
|----------------------|----------------------|----------------------|--------------------------|----------------------|
| | | Euro/St. Euro/Pc. | Art.-Nr. Item no. | Euro/St. Euro/Pc. |
| 50 x 40 | 214.302 | 20,80 | 214.312 | 24,80 |
| 75 x 50 | 214.303 | 24,10 | 214.313 | 25,30 |
| 100 x 70 | 214.304 | 27,10 | 214.314 | 34,70 |
| 150 x 100 | 214.305 | 41,10 | 214.315 | 43,30 |
| 200 x 130 | 214.306 | 49,50 | 214.316 | 57,50 |
| 250 x 165 | 214.307 | 60,00 | 214.317 | 89,00 |
| 300 x 200 | 214.308 | 79,00 | 214.318 | 120,00 |

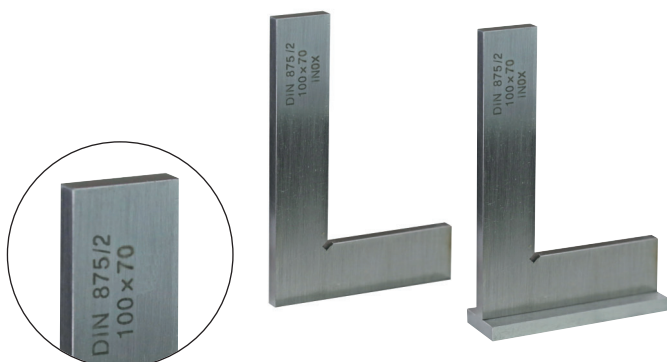
7 214.322 PRÄZISIONS-KONTROLLWINKEL, ROSTFREI, DIN 875/1 PRECISION CONTROL SQUARES, INOX, DIN 875/1



- rostfrei, gehärtet, DIN 875/1
- *stainless, hardened, DIN 875/1*

| Abmessung Size mm | Art.-Nr. Item no. | flach / flat | mit Anschlag / with back | |
|----------------------|----------------------|----------------------|--------------------------|----------------------|
| | | Euro/St. Euro/Pc. | Art.-Nr. Item no. | Euro/St. Euro/Pc. |
| 50 x 40 | 214.322 | 12,50 | 214.332 | 15,50 |
| 75 x 50 | 214.323 | 14,70 | 214.333 | 16,90 |
| 100 x 70 | 214.324 | 15,90 | 214.334 | 22,70 |
| 150 x 100 | 214.325 | 19,90 | 214.335 | 27,50 |
| 200 x 130 | 214.326 | 27,50 | 214.336 | 38,40 |
| 250 x 165 | 214.327 | 38,40 | 214.337 | 49,50 |
| 300 x 200 | 214.328 | 51,60 | 214.338 | 69,00 |
| 400 x 265 | 214.329 | 103,00 | 214.339 | 137,00 |
| 500 x 330 | 214.330 | 143,00 | 214.340 | 192,00 |

214.363 PRÄZISIONS-KONTROLLWINKEL, ROSTFREI, DIN 875/2 PRECISION CONTROL SQUARES, INOX, DIN 875/2

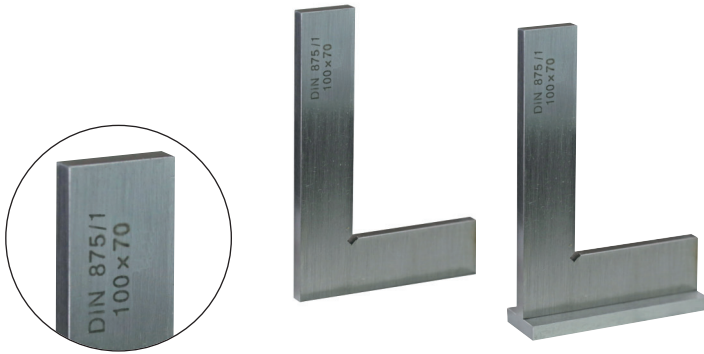


- rostfrei, DIN 875/2
- *stainless, DIN 875/2*

| Abmessung Size mm | Art.-Nr. Item no. | flach / flat | mit Anschlag / with back | |
|----------------------|----------------------|----------------------|--------------------------|----------------------|
| | | Euro/St. Euro/Pc. | Art.-Nr. Item no. | Euro/St. Euro/Pc. |
| 75 x 50 | 214.363 | 11,00 | 214.373 | 14,30 |
| 100 x 70 | 214.364 | 14,30 | 214.374 | 19,90 |
| 150 x 100 | 214.365 | 18,70 | 214.375 | 24,10 |
| 200 x 130 | 214.366 | 25,30 | 214.376 | 34,00 |
| 250 x 165 | 214.367 | 37,40 | 214.377 | 47,20 |
| 300 x 175 | 214.368 | 48,30 | 214.378 | 59,50 |
| 400 x 200 | 214.369 | 82,50 | 214.379 | 126,00 |
| 500 x 250 | 214.370 | 126,00 | 214.380 | 176,00 |

PRÄZISIONS-KONTROLLWINKEL, NORMALSTAHL, DIN 875/1
PRECISION CONTROL SQUARES, CARBON STEEL, DIN 875/1

214.343

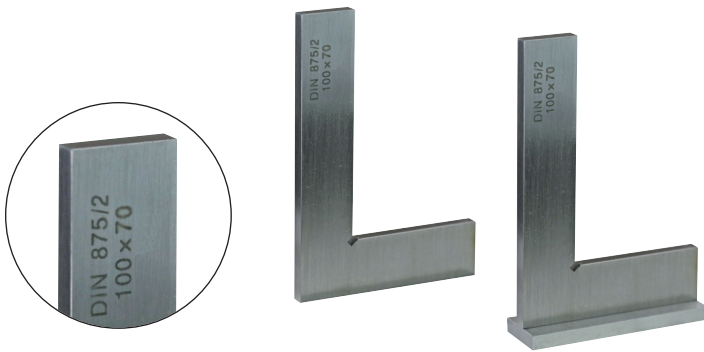


- Normalstahl, DIN 875/1
- carbon steel, DIN 875/1

| Abmessung Size mm | Art.-Nr. Item no. | flach / flat | | mit Anschlag / with back | |
|----------------------|----------------------|----------------------|----------------------|--------------------------|--|
| | | Euro/St. Euro/Pc. | Art.-Nr. Item no. | Euro/St. Euro/Pc. | |
| 75 x 50 | 214.343 | 10,60 | 214.353 | 14,70 | |
| 100 x 70 | 214.344 | 12,10 | 214.354 | 16,90 | |
| 150 x 100 | 214.345 | 15,50 | 214.355 | 21,90 | |
| 200 x 130 | 214.346 | 21,90 | 214.356 | 27,50 | |
| 250 x 165 | 214.347 | 32,90 | 214.357 | 44,00 | |
| 300 x 200 | 214.348 | 48,30 | 214.358 | 54,90 | |
| 400 x 265 | 214.349 | 71,50 | 214.359 | 143,00 | |
| 500 x 330 | 214.350 | 121,00 | 214.360 | 164,00 | |

PRÄZISIONS-KONTROLLWINKEL, NORMALSTAHL, DIN 875/2
PRECISION CONTROL SQUARES, CARBON STEEL, DIN 875/2

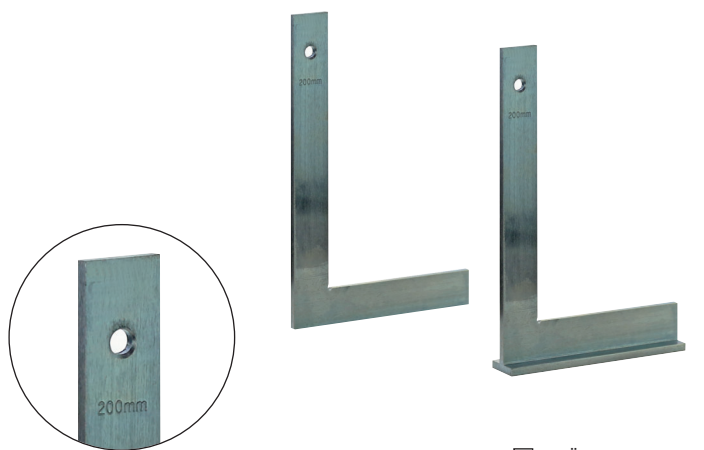
214.552



- Normalstahl, DIN 875/2
- carbon steel, DIN 875/2

| Abmessung Size mm | Art.-Nr. Item no. | flach / flat | | mit Anschlag / with back | |
|----------------------|----------------------|----------------------|----------------------|--------------------------|--|
| | | Euro/St. Euro/Pc. | Art.-Nr. Item no. | Euro/St. Euro/Pc. | |
| 75 x 50 | 214.552 | 8,60 | 214.572 | 11,80 | |
| 100 x 70 | 214.553 | 9,60 | 214.573 | 13,00 | |
| 150 x 100 | 214.554 | 11,80 | 214.574 | 18,00 | |
| 200 x 130 | 214.555 | 16,00 | 214.575 | 22,50 | |
| 250 x 165 | 214.556 | 24,60 | 214.576 | 31,00 | |
| 300 x 175 | 214.557 | 32,10 | 214.577 | 45,00 | |
| 400 x 200 | 214.558 | 74,00 | 214.578 | 87,50 | |
| 500 x 250 | 214.559 | 99,00 | 214.579 | 117,00 | |

SCHLOSSERWINKEL
STEEL SQUARES FOR LOCKSMITH

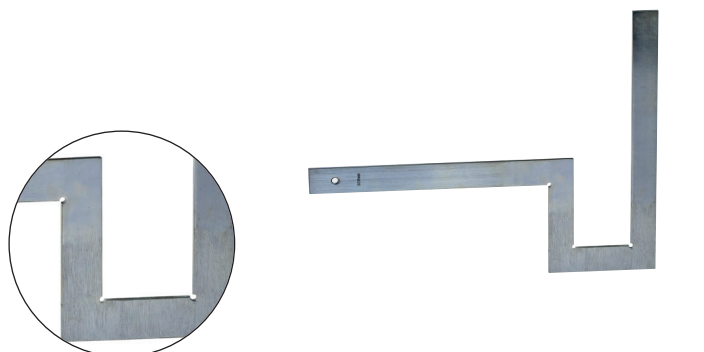


- für einfache Richt- und Anreißarbeiten
- aus Spezialstahl, verzinkt
- Werksnorm
- for simple scribe work in workshop
- made of carbon steel, zinc plated
- manufacture standard

| Abmessung Size mm | Art.-Nr. Item no. | flach - flat | | mit Anschlag - with back | |
|---|----------------------|----------------------|----------------------|--------------------------|--|
| | | Euro/St. Euro/Pc. | Art.-Nr. Item no. | Euro/St. Euro/Pc. | |
| 75 x 50 | 214.503 | 5,25 | 214.523 | 7,70 | |
| 150 x 100 | 214.504 | 5,90 | 214.524 | 8,40 | |
| 200 x 130 | 214.505 | 6,40 | 214.525 | 10,40 | |
| 250 x 165 | 214.506 | 7,80 | 214.526 | 13,50 | |
| 300 x 200 | 214.507 | 9,50 | 214.527 | 16,50 | |
| 400 x 230 | 214.508 | 12,30 | 214.528 | 20,30 | |
| 500 x 330 | 214.509 | 14,50 | 214.529 | 26,10 | |
| 600 x 330 | 214.510 | 16,60 | 214.530 | 36,30 | |
| 750 x 375 | 214.511 | 21,40 | 214.531 | 45,40 | |
| 800 x 430 | 214.512 | 23,40 | 214.532 | 51,90 | |
| XL 1000 x 500 | 214.513 | 29,20 | 214.533 | 61,50 | |

XL = Übergroße
Oversize

FLANSCHENWINKEL
FLANGE STEEL SQUARES



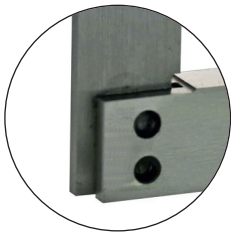
- aus Spezialstahl
- Werksnorm
- verzinkt

- made of carbon steel
- manufacture standard
- zinc plated

| Art.-Nr. Item no. | Abmessung Size mm | Euro/St. Euro/Pc. |
|----------------------|----------------------|----------------------|
| 214.540 | 300 x 300 | 22,30 |
| 214.541 | 400 x 400 | 29,30 |
| 214.542 | 500 x 500 | 33,60 |
| 214.543 | 600 x 600 | 40,90 |

214.582 **KONTROLLWINKEL MIT STARKEN UND SCHWACHEN SCHENKELN, DIN 875/2**

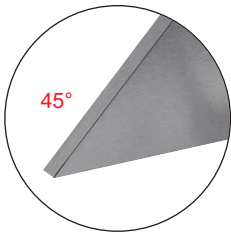
PRECISION CONTROL SQUARES WITH HEAVY BASE, DIN 875/2



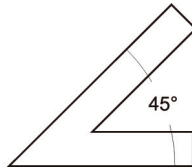
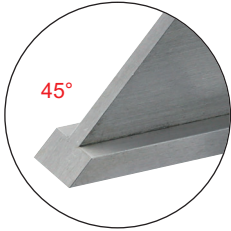
- Werkzeugstahl, DIN 875/2
- carbon steel, DIN 875/2

| Art.-Nr. Item no. | Abmessung Size mm | Ansschlag Back size B x H mm | Euro/St. Euro/Pc. |
|----------------------|----------------------|---------------------------------|----------------------|
| 214.582 | 50 x 40 | 10 x 14 | 21,60 |
| 214.583 | 75 x 50 | 10 x 16 | 22,60 |
| 214.584 | 100 x 70 | 10 x 20 | 26,00 |
| 214.585 | 125 x 80 | 12 x 22 | 30,00 |
| 214.586 | 150 x 100 | 13 x 25 | 39,20 |
| 214.587 | 200 x 130 | 16 x 28 | 43,50 |
| 214.588 | 250 x 165 | 18 x 31 | 55,00 |
| 214.589 | 300 x 200 | 21 x 33 | 68,50 |

214.424 **SPITZWINKEL 45°**
STEEL SQUARES 45°

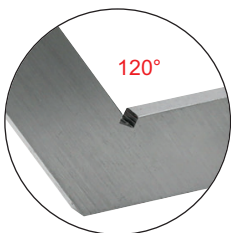


- Spitzwinkel 45°
- mit oder ohne Anschlag
- Normalstahl, DIN 875/2
- steel squares 45°
- with or without back
- carbon steel, DIN 875/2

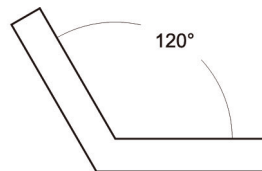


| Abmessung Size mm | Art.-Nr. Item no. | flach / flat | | mit Anschlag / with back | |
|----------------------|----------------------|----------------------|----------------------|--------------------------|--|
| | | Euro/St. Euro/Pc. | Art.-Nr. Item no. | Euro/St. Euro/Pc. | |
| 100 x 80 | 214.424 | 22,20 | 214.434 | 29,10 | |
| 120 x 80 | 214.425 | 23,30 | 214.435 | 30,80 | |
| 150 x 100 | 214.426 | 32,10 | 214.436 | 41,10 | |
| 200 x 130 | 214.427 | 43,40 | 214.437 | 56,80 | |
| 250 x 160 | 214.428 | 55,50 | 214.438 | 73,00 | |
| 300 x 200 | 214.429 | 87,00 | 214.439 | 88,00 | |

7
214.452 **SECHSKANT-WINKEL 120°**
STEEL SQUARES 120°

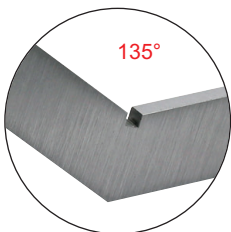


- 120°
- Normalstahl, ohne Anschlag
- DIN 875/2
- Steel Squares 120°
- carbon steel, without back
- DIN 875/2

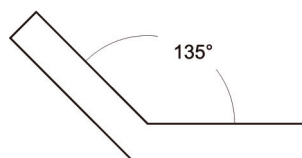


| Art.-Nr. Item no. | Abmessung Size mm | Euro/St. Euro/Pc. |
|----------------------|----------------------|----------------------|
| 214.452 | 50 x 50 | 16,80 |
| 214.453 | 75 x 75 | 20,80 |
| 214.454 | 100 x 100 | 25,10 |
| 214.455 | 150 x 150 | 35,80 |
| 214.456 | 200 x 200 | 39,00 |

214.412 **ACHTKANT-WINKEL 135°**
STEEL SQUARES 135°



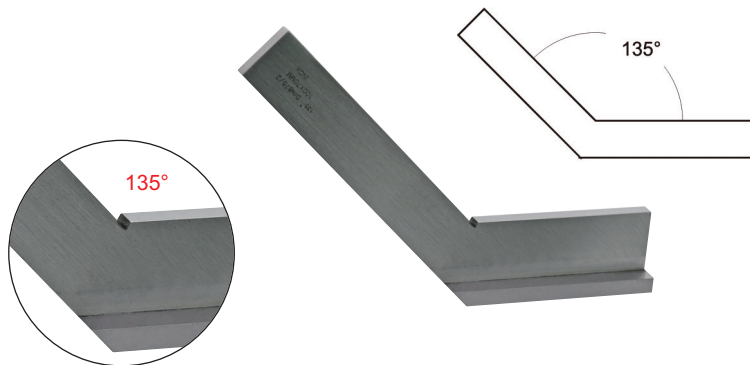
- 135°
- Normalstahl, ohne Anschlag
- DIN 875/2
- Steel Squares 135°
- carbon steel, without back
- DIN 875/2



| Art.-Nr. Item no. | Abmessung Size mm | Euro/St. Euro/Pc. |
|----------------------|----------------------|----------------------|
| 214.412 | 50 x 50 | 19,90 |
| 214.413 | 75 x 75 | 21,10 |
| 214.414 | 100 x 100 | 29,90 |
| 214.415 | 150 x 150 | 34,30 |
| 214.416 | 200 x 200 | 44,40 |

GEHRUNGS-WINKEL 135°

STEEL SQUARES 135° WITH BACK



- 135°
- Normalstahl, mit Anschlag
- DIN 875/2

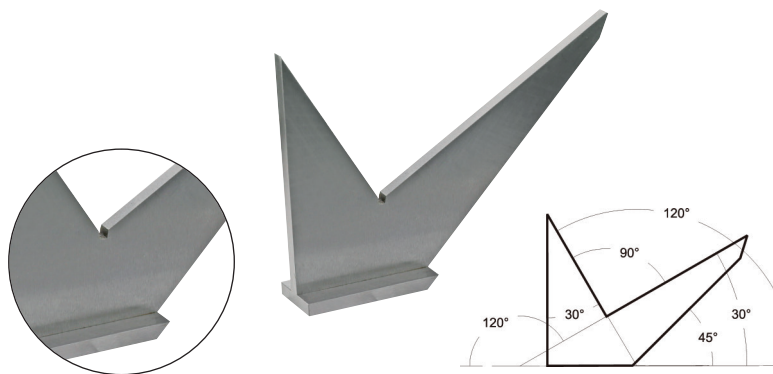
- 135°
- carbon steel, with back
- DIN 875/2

| Art.-Nr. Item no. | Abmessung Size mm | Euro/St. Euro/Pc. |
|----------------------|----------------------|----------------------|
| 214.404 | 100 x 70 | 29,40 |
| 214.405 | 120 x 80 | 31,30 |
| 214.406 | 150 x 100 | 38,80 |
| 214.407 | 200 x 130 | 41,00 |
| 214.408 | 250 x 165 | 50,00 |
| 214.409 | 300 x 175 | 67,50 |

214.404

MEHRFACHWINKEL AUS NORMALSTAHL MIT ANSCHLAG

MULTIDEGREES SQUARE, CARBON STEEL WITH BACK



- mit Anschlag
- mit Winkel 90°, 45°, 30° und 120°
- Genauigkeit nach Werksnorm 1/25°

- with back
- with angles 90°, 45°, 30° and 120°
- accuracy to manufactures standard 1/25°

| Art.-Nr. Item no. | Abmessung Size mm | Euro/St. Euro/Pc. |
|----------------------|----------------------|----------------------|
| 214.444 | 100 | 51,60 |
| 214.445 | 125 | 53,90 |
| 214.446 | 150 | 62,50 |
| 214.447 | 200 | 110,00 |
| 214.448 | 300 | 144,00 |

214.444

PRÄZISIONSWINKEL AUS GRANIT 90°

GRANIT SQUARE



- zur Kontrolle des 90° Winkels von Maschinenspindel oder Werkstück
- Güte 0

- for inspection machine spindle or squareness of work pieces
- degree 0

| Art.-Nr. Item no. | Abmessung Size mm | Gewicht Weight kg | Euro/St. Euro/Pc. |
|----------------------|----------------------|----------------------|----------------------|
| 214.604 | 100 x 63 x 16 | 0,4 | 124,00 |
| 214.605 | 160 x 100 x 20 | 0,9 | 195,00 |
| 214.606 | 250 x 160 x 25 | 2,4 | 270,00 |
| 214.607 | 400 x 250 x 40 | 8,1 | 445,00 |
| 214.608 | 630 x 400 x 63 | 30,1 | 1.030,00 |
| 214.609 | 1000 x 630 x 80 | 101 | 2.640,00 |

= Speditionsware wegen Übergröße oder Übergewicht
delivery by special carrier due to oversize/weight

214.604

SINUSLINEAL, MIT STÜTZZYLINDERN

SINE BARS OF STEEL



- zum Einstellen von Winkeln nach dem Sinusprinzip
- mit Tabelle, Einstellbereich 0 – 60°
- ganz gehärtet
- im Behältnis/Kasten

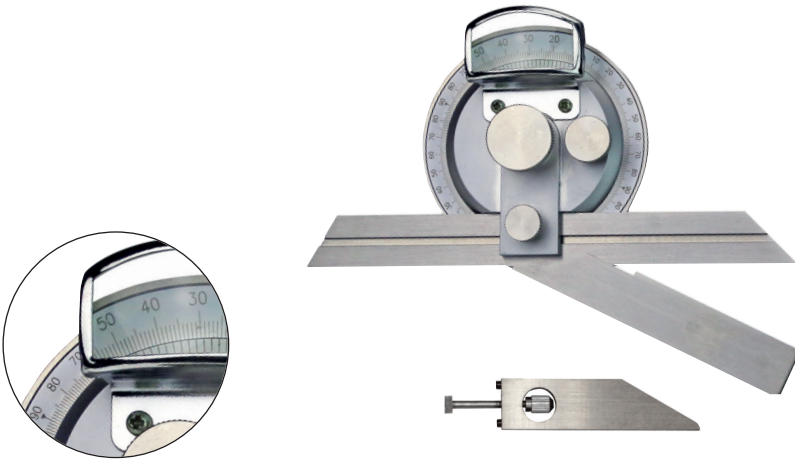
- for adjustment of angle based on sinus principle
- with table, range 0 - 60°
- hardened and ground
- in wooden case

| Art.-Nr. Item no. | Auflageabstand Center Distance mm | Parallelität Parallelism μm | Genauigkeit Accuracy μm | Breite x Höhe Width x Height mm | Gewicht Weight kg | Euro/St. Euro/Pc. |
|----------------------|--------------------------------------|--------------------------------|----------------------------|------------------------------------|----------------------|----------------------|
| 318.211 | 100 | 2,5 | 2 | 24 x 32 | 0,9 | 118,00 |
| 318.212 | 200 | 2,5 | 4 | 25 x 50 | 2,0 | 225,00 |

318.211

214.091.T

UNIVERSAL-WINKELMESSGERÄT, TOP
UNIVERSAL BEVEL PROTRACTORS, TOP



- mit Lupe und Feineinstellung
- parallaxfreie Ablesung
- Skala, 4 x 90°, Ablesung 1/12° = 5'
- Genauigkeit: 10'
- mit Zusatzwinkel für kleinere Winkel
- im Behältnis/Kasten

- *with fine adjustment and magnifier*
- *parallaxfree reading*
- *reading 1/12° = 5', scale range 4 x 90°*
- *accuracy 10'*
- *with additional angle for smaller angles*
- *in case/box*

Achtung:
 Aufgrund der Beschaffenheit des Anschlags kann das Gerät nicht bei 0°, sondern bei 90° oder anderen Winkel außer 0° geeicht werden!

Attention:
This protractor is adjustable only at 90° or other angle more than 0°, but not at 0°!

| Art.-Nr. <i>Item no.</i> | Messbereich <i>Range °</i> | Schiene <i>Blade mm</i> | Querschnitt <i>Profile mm</i> | Euro/St. <i>Euro/Pc.</i> |
|-----------------------------|-------------------------------|----------------------------|----------------------------------|-----------------------------|
| 214.091.T | 4 x 90 | 150 | 16 x 2,5 | 110,00 |
| 214.092.T | 4 x 90 | 200 | 16 x 2,5 | 110,00 |
| 214.093.T | 4 x 90 | 300 | 16 x 2,5 | 114,00 |
| 214.096.T | 4 x 90 | 150 + 300 | 16 x 2,5 | 131,00 |
| 214.097.T | 4 x 90 | 150 + 200 + 300 | 16 x 2,5 | 148,00 |

- Ersatz-Schiene

- *replacement blade*



| Art.-Nr. <i>Item no.</i> | Schiene <i>Blade mm</i> | Euro/St. <i>Euro/Pc.</i> |
|-----------------------------|----------------------------|-----------------------------|
| 214.098.1 | 150 | 16,70 |
| 214.098.2 | 200 | 16,70 |
| 214.098.3 | 300 | 22,30 |

7

UNIVERSAL-WINKELMESSGERÄT MIT MESSUHR, TOP
UNIVERSAL BEVEL PROTRACTORS WITH DIAL INDICATOR, TOP

214.081.T



- mit Messuhr und Feineinstellung
- Ablesung 1/12° = 5'
- Genauigkeit: 10'
- mit Zusatzwinkel für kleinere Winkel
- im Behältnis/Kasten

- *with dial indicator and fine adjustment*
- *reading 1/12° = 5'*
- *accuracy 10'*
- *with additional angle for smaller angles*
- *in case/box*

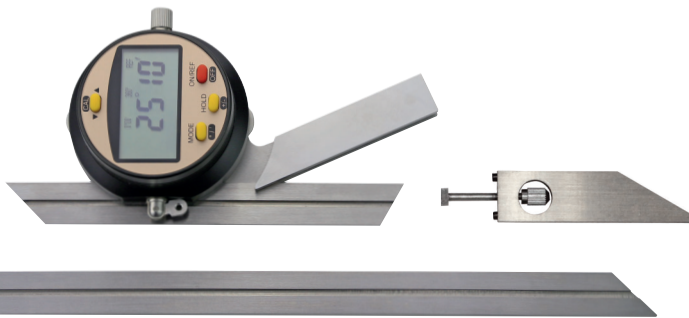
Achtung:
 Aufgrund der Beschaffenheit des Anschlags kann das Gerät nicht bei 0°, sondern bei 90° oder anderen Winkel außer 0° geeicht werden!

Attention:
This protractor is adjustable only at 90° or other angle more than 0°, but not at 0°!

| Art.-Nr. <i>Item no.</i> | Messbereich <i>Range °</i> | Schiene <i>Blade mm</i> | Querschnitt <i>Profile mm</i> | Euro/St. <i>Euro/Pc.</i> |
|-----------------------------|-------------------------------|----------------------------|----------------------------------|-----------------------------|
| 214.081.T | 4 x 90 | 150 | 16 x 2,5 | 139,00 |
| 214.082.T | 4 x 90 | 200 | 16 x 2,5 | 139,00 |
| 214.083.T | 4 x 90 | 300 | 16 x 2,5 | 144,00 |
| 214.086.T | 4 x 90 | 150 + 300 | 16 x 2,5 | 173,00 |

DIGITAL-WINKELMESSGERÄT
DIGITAL BEVEL PROTRACTOR

214.063



- Anzeige in Grad und Winkelminuten
- mit Mode-, Hold-, On/Off/Ref- und Cal-Taste
- Ablesung: 1' oder 0,01°
- Messgenauigkeit: ± 4'
- mit 150 mm und 300 mm Messschiene
- mit Zusatzwinkel für kleinere Winkel im Behältnis/Kasten



Achtung:
Aufgrund der Beschaffenheit des Anschlags kann das Gerät nicht bei 0°, sondern bei 90° oder anderen Winkel außer 0° geeicht werden!

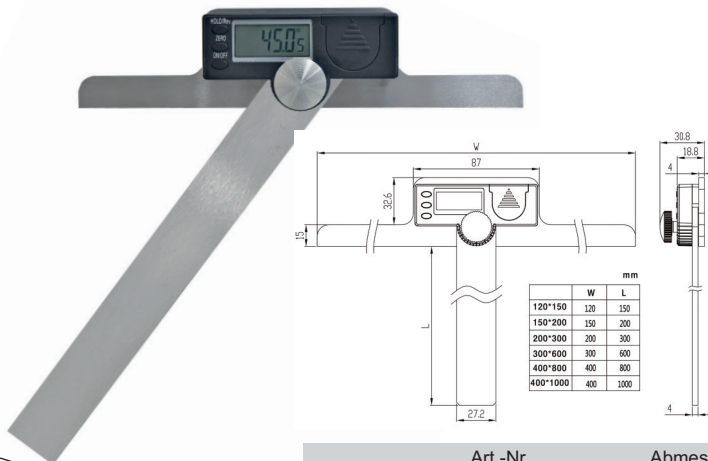
Attention:
This protractor is adjustable only at 90° or other angle more than 0°, but not at 0°!

- display in degree and angular minute
- with mode, hold, on/off/ref and cal buttons
- reading 1' or 0.01°
- accuracy ± 4'
- with 150 mm and 300 mm ruler
- with additional angle for smaller angles in case

| Art.-Nr. Item no. | Messbereich Range ° | Schiene Blade mm | Querschnitt Profile mm | Euro/St. Euro/Pc. |
|----------------------|-------------------------|---------------------|---------------------------|----------------------|
| 214.063 | 4 x 90°, 2 x 180°, 360° | 150 + 300 | 16 x 2,5 | 445,00 |

DIGITAL-GRADMESSE
DIGITAL STEEL PROTRACTORS

214.050



- Anschlag und Schiene aus Stahl
- Materialstärke 4 mm
- Messbereich 0 - 180°
- Ablesung 0,05°
- mit On/Off-, Zero- und Dir-Tasten
- mit Feststellschraube



- base and ruler made of steel, 4 mm thickness 4 mm
- range 0 - 180°
- reading 0.05°
- with On/Off, Zero and Dir button
- with fixing screw



| Art.-Nr. Item no. | Abmessung Size (B x L) mm | Querschnitt Profile mm | Euro/St. Euro/Pc. |
|----------------------|------------------------------|---------------------------|----------------------|
| 214.050 | 120 x 150 | 27,2 x 4 | 60,00 |
| 214.052 | 150 x 200 | 27,2 x 4 | 68,50 |
| 214.053 | 200 x 300 | 27,2 x 4 | 83,50 |
| 214.055 | 300 x 600 | 27,2 x 4 | 121,00 |
| 214.056 | 400 x 800 | 027,2 x 4 | 168,00 |
| 214.057 | 400 x 1000 | 27,2 x 4 | 184,00 |

DIGITAL-SCHMIEGE
DIGITAL JOINER'S ADJUSTABLE SLIDING BEVEL

214.145



- mit geschlitztem Schenkel
- Ablesung 0,01° oder 1'
- mit On/Off-, Dir- und Hold-Tasten
- mit Feststellschraube



- with sliding ruler
- reading 0.01° or 1'
- with On/Off, Dir and Hold button
- with fixing screw



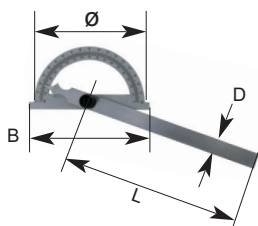
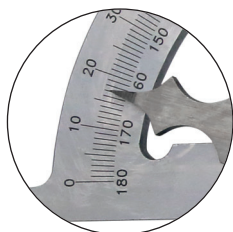
| Art.-Nr. Item no. | Messbereich Range ° | Schiene Blade mm | Euro/St. Euro/Pc. |
|----------------------|------------------------|---------------------|----------------------|
| 214.145 | 180° | 200 x 27 x 1,2 | 52,50 |

214.150 **GRADMESSEUR, AUS STAHL**
STEEL PROTRACTORS, SATIN CHROME FINISHED



- komplett mattverchromt, rostgeschützt
- Messbereich 0 – 180°
- Ablesung 1°
- mit Feststellschraube

- *satin chrome finished*
- *range 0 - 180°*
- *reading 1°*
- *with fixing screw*



| Art.-Nr. Item no. | Abmessung Size (B x L) mm | Ø mm | Querschnitt profile mm | Euro/St. Euro/Pc. |
|----------------------|------------------------------|---------|---------------------------|----------------------|
| 214.150 | 80 x 120 | 74 | 12 x 2,2 | 15,60 |
| 214.151 | 120 x 150 | 110 | 12 x 2,2 | 22,70 |
| 214.152 | 150 x 200 | 140 | 12 x 2,5 | 28,60 |
| 214.153 | 200 x 300 | 186 | 16 x 2,5 | 39,20 |
| 214.154 | 250 x 500 | 230 | 30 x 3,9 | 73,00 |
| 214.155 | 300 x 600 | 280 | 30 x 3,9 | 102,00 |
| 214.156 | 400 x 800 | 370 | 40 x 3,9 | 148,00 |
| 214.157 | 400 x 1000 | 370 | 40 x 3,9 | 174,00 |

214.150.AL **GRADMESSEUR, AUS ALUMINIUMLEGIERUNG**
PROTRACTORS, MADE OF ALUMINIUM



- Messbereich 0 – 180°
- Ablesung 1°
- mit Feststellschraube

- *range 0 - 180°*
- *reading 1°*
- *with fixing screw*



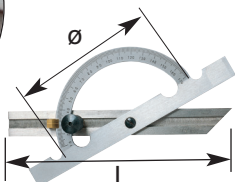
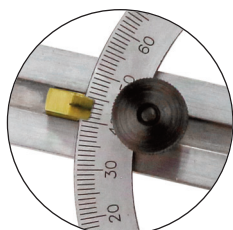
| Art.-Nr. Item no. | Abmessung Size (B x L) mm | Ø mm | Querschnitt profile mm | Euro/St. Euro/Pc. |
|----------------------|------------------------------|---------|---------------------------|----------------------|
| 214.150.AL | 80 x 120 | 74 | 11 x 3 | 12,50 |
| 214.151.AL | 120 x 150 | 110 | 12 x 3 | 14,00 |
| 214.152.AL | 150 x 200 | 140 | 16 x 3 | 18,00 |
| 214.153.AL | 200 x 300 | 186 | 19 x 9 | 22,00 |

214.160 **GRADMESSEUR, AUS STAHL**
STEEL PROTRACTORS, SATIN CHROME FINISHED



- komplett mattverchromt, rostgeschützt
- Messbereich 10 – 170°
- Ablesung 1°
- mit in der Länge verstellbarer Schiene
- mit Feststellschraube

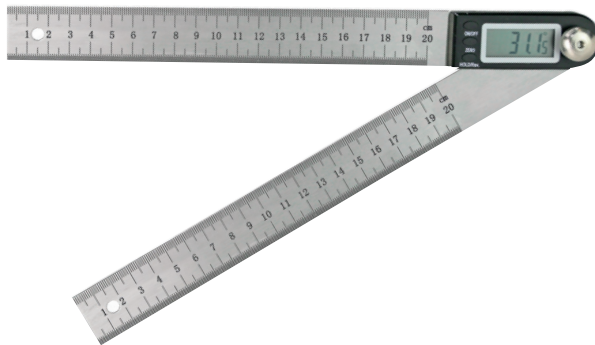
- *satin chrome finished*
- *range 10 - 170°*
- *reading 1°*
- *with fixing screw*
- *blade adjustable in length*



| Art.-Nr. Item no. | Abmessung Size (Ø x L) mm | Querschnitt Profile mm | Euro/St. Euro/Pc. |
|----------------------|------------------------------|---------------------------|----------------------|
| 214.160 | 100 x 150 | 18 x 3,3 | 32,90 |
| 214.161 | 150 x 300 | 22 x 3,3 | 40,80 |
| 214.162 | 200 x 400 | 24 x 3,9 | 47,40 |
| 214.163 | 250 x 500 | 28 x 3,9 | 68,50 |
| 214.164 | 300 x 600 | 32 x 4,2 | 82,50 |

DIGITAL-STELLWINKEL
DIGITAL ANGLE

214.142



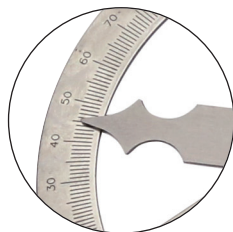
- Messbereich 0 - 180°
- Ablesung 0,1°
- Anzeige des Messwertes umdrehbar mit ON/OFF-, ZERO- und HOLD/REV-Taste
- Maßstab mit mm-Skalierung

- *range 0 - 180°*
- *reading 0.1°*
- *display value reversible with ON/OFF, ZERO and HOLD/REV button*
- *ruler with mm scale*

| Art.-Nr. <i>Item no.</i> | Länge <i>Length mm</i> | Querschnitt <i>Profile mm</i> | Euro/St. <i>Euro/Pc.</i> |
|-----------------------------|---------------------------|----------------------------------|-----------------------------|
| 214.142 | 200 | 27,2 x 1,2 | 46,30 |
| 214.143 | 300 | 27,2 x 1,2 | 51,60 |

GRADMESSE, ROSTFREI
STEEL PROTRACTORS, STAINLESS

214.147



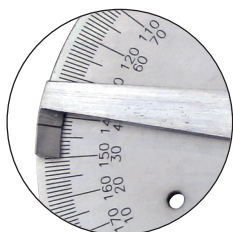
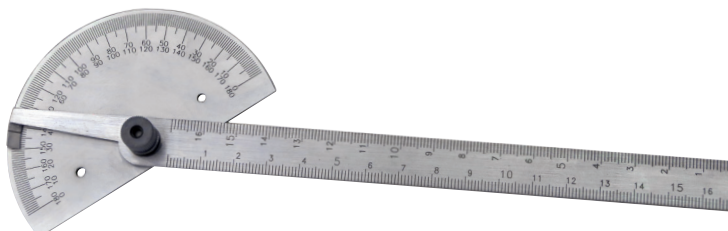
- aus rostfreiem Stahl
- Schiene mit mm Skalierung
- Messbereich 0 – 180°
- Ablesung 1°
- mit Feststellschraube

- *made of stainless steel*
- *blade with mm graduation*
- *range 0 - 180°*
- *reading 1°*
- *with fixing screw*

| Art.-Nr. <i>Item no.</i> | Abmessung <i>Size (B x L) mm</i> | ∅ <i>mm</i> | Querschnitt <i>Profile mm</i> | Euro/St. <i>Euro/Pc.</i> |
|-----------------------------|-------------------------------------|----------------|----------------------------------|-----------------------------|
| 214.147 | 80 x 120 | 74 | 10 x 1,2 | 7,50 |
| 214.148 | 120 x 150 | 110 | 13 x 1,2 | 9,00 |
| 214.149 | 150 x 200 | 140 | 16 x 1,2 | 12,00 |

GRADMESSE, AUS STAHL
STEEL PROTRACTORS

214.159



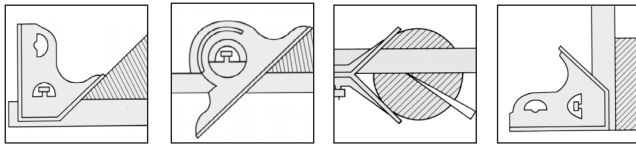
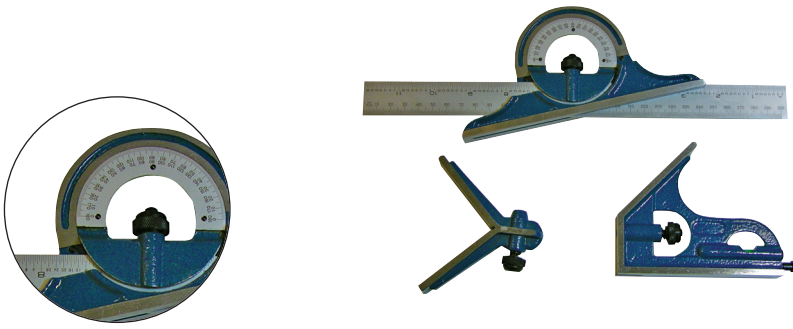
- Messbereich 0 – 180°
- Schiene mit mm Skalierung mit Feststellschraube

- *range 0 - 180°*
- *blade with mm graduation with fixing screw*

| Art.-Nr. <i>Item no.</i> | Abmessung <i>Size (∅ x L) mm</i> | ∅ <i>mm</i> | Querschnitt <i>Profile mm</i> | Euro/St. <i>Euro/Pc.</i> |
|-----------------------------|-------------------------------------|----------------|----------------------------------|-----------------------------|
| 214.159 | 85 x 160 | 84 | 15 x 1,2 | 18,70 |



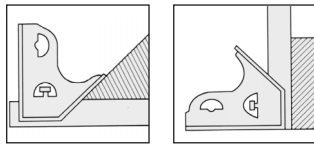
214.073 **KOMBINATIONSWINKEL MIT WASSERWAAGE UND WINKELMESSGERÄT**
COMBINATION SQUARES WITH SPIRIT LEVEL AND BEVEL PROTRACTOR



- mit vernickelter Schiene, beideseitig cm/inch Teilung
- als einfaches Höhen-, Tiefen-, Winkelmessgerät und 45°, 135°-Winkel sowie Zentriergerät verwendbar im Behältnis/Kasten
- *scriber and blade nickel plated, with cm/inch graduation*
- *usable as height, depth gauge, bevel protractor, 45°, 135° control square or center squares*
- *in case/box*

| Art.-Nr. Item no. | Messbereich Range mm | Euro/St. Euro/Pc. |
|----------------------|-------------------------|----------------------|
| 214.073 | 300 | 88,00 |
| 214.076 | 600 | 112,00 |

214.072 **KOMBINATIONSWINKEL MIT WASSERWAAGE**
COMBINATION SQUARES WITH SPIRIT LEVEL



- mit 300 mm Schiene, rostfrei, mm-Teilung, beideseitig
- mit Wasserwaage und 45°-Winkel

- *with 300 mm ruler, stainless, mm graduation on both sides*
- *with spirit level and 45° control square*

| Art.-Nr. Item no. | Messbereich Range mm | Euro/St. Euro/Pc. |
|----------------------|-------------------------|----------------------|
| 214.072 | 300 | 10,70 |

7

203.024 **DIGITAL-WASSERWAAGE**
DIGITAL SPIRIT LEVEL



- Rahmen aus Aluminium
- mit Magnet
- mit zwei Libellen
- Digitalanzeige
 - Ablesung 0,1° / 1 mm/m
 - mit EIN/AUS-, INC/ABS-, HOLD- und Licht-Taste
 - mit Hintergrundbeleuchtung
 - Anzeige immer in richtige Richtung
- Batterie 2 x AAA (nicht im Lieferumfang)

- *Frame made of aluminium*
- *with magnetic*
- *with two spirit level*
- *digital display*
 - *reading 0.1° / 1 mm/m*
 - *with ON/OFF-, INC/ABS-, HOLD and light button*
 - *with back light*
 - *Display always at correct direction*
- *battery 2 x AAA (not included)*



| Art.-Nr. Item no. | Messbereich Range | Länge Lenth mm | Euro/St. Euro/Pc. |
|----------------------|----------------------|-------------------|----------------------|
| 203.024 | ± 90° / 99mm/m | 400 | 40,00 |
| 203.025 | ± 90° / 99mm/m | 600 | 75,00 |
| 203.027 | ± 90° / 99mm/m | 1000 | 110,00 |

DIGITAL-NEIGUNGSMESSGERÄT, ANZEIGE KLAPPBAR

DIGITAL LEVEL WITH PERMANENT, INDIVIDUAL FOLDING DISPLAY



- 1: rel. Neigungsrichtung
relative incline direction
- 2: absolute Neigungsrichtung
absolute incline direction
- 3: absolute Neigung
absolute level
- 4: relative Neigung
relative level

- Rahmen aus Kunststoff, mit Dauermagnet
- Anzeige individuell klappbar
- zeigt relative und absolute Neigung gleichzeitig
- Ablesung: 0,1°
- Genauigkeit: 0,2° bis 15°; 0,5° von 15° - 90°
- mit HOLD-Funktion
- Battery AAA (im Lieferumfang enthalten)

- *casing made of plastic, base with permanent magnet*
- *individual folding display*
- *shows relative and absolute level simultaneous reading: 0.1°*
- *accuracy: 0.2° until 15°, 0.5° from 15° until 90°*
- *with hold function*
- *battery AAA (included)*

| Art.-Nr. Item no. | Messbereich Range ° | Abmessung Dimension (L x H x B) mm | Euro/St. Euro/Pc. |
|----------------------|------------------------|---------------------------------------|----------------------|
| 215.202 | 0 - 180 | 56 x 59 x 33 | 82,00 |

215.202



DIGITAL-NEIGUNGSMESSGERÄT MIT DAUERAMAGNET, ROSTFREI

DIGITAL LEVEL WITH PERMANENT MAGETIC BASE, STAINLESS



- Rahmen aus Aluminium
- mit Dauermagnet
- Digital-Anzeige mit EIN/AUS-, %-, HOLD- und ABS/ZERO-Taste
- Messbereich: 4 x 90°
- Ablesung: 0,1°
- Genauigkeit: 0,2° bis 15°, 0,5° von 15° - 90°

- *casing made of aluminium*
- *base with permanent magnet*
- *digital display with ON/OFF, %-, HOLD and ABS/ZERO button*
- *range: 4 x 90°*
- *reading: 0.1°*
- *accuracy: 0.2° until 15°, 0.5° from 15° until 90°*

| Art.-Nr. Item no. | Messbereich Range ° | Abmessung Dimension (L x H x B) mm | Euro/St. Euro/Pc. |
|----------------------|------------------------|---------------------------------------|----------------------|
| 215.209 | 4 x 90 | 54 x 54 x 20 | 127,00 |

215.209



7

DIGITAL-NEIGUNGSMESSGERÄT MIT DAUERAMAGNET, KUNSTSTOFF-GEHÄUSE

DIGITAL LEVEL WITH PERMANENT MAGETIC BASE, ABS CASE



- Gehäuse aus Kunststoff
- mit Dauermagnet
- Messbereich: 4 x 90°, Ablesung: 0,05°
- Anzeige immer in richtige Richtung
- Genauigkeit: 0,5°
- Battery AAA (im Lieferumfang enthalten)

- *casing made of plastic*
- *base with permanent magnet*
- *range: 4 x 90°, reading: 0.05°*
- *display always at correct direction*
- *accuracy: 0.5°*
- *battery AAA (included)*

| Art.-Nr. Item no. | Messbereich Range ° | Abmessung Dimension (L x H x B) mm | Euro/St. Euro/Pc. |
|----------------------|------------------------|---------------------------------------|----------------------|
| 215.207.A3 | 4 x 90 | 55x 56 x 19 | 40,00 |

215.207.A3



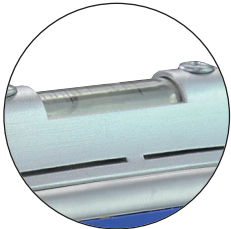
215.205 **DIGITAL-NEIGUNGSMESSGERÄT MIT DAUERMAGNET, ALUMINIUM-RAHMEN**
DIGITAL LEVEL WITH PERMANENT MAGETIC BASE, CASE MADE OF ALUMINIUM



215.207



215.205



- Rahmen aus Aluminium
- mit Dauermagnet
- Digital-Anzeige mit EIN/AUS-, HOLD- und ABS/ZERO-Taste
- Messbereich: 4 x 90°
- Ablesung: 0,1°
- Genauigkeit:
 - 0,2° bis 15°
 - 0,5° von 15° - 90°

- case made of aluminium
- base with permanent magnet
- digital display with ON/OFF, HOLD and ABS/ZERO button
- range: 4 x 90°
- reading: 0.1°
- accuracy:
 - 0.2° until 15°
 - 0.5° from 15° until 90°

| Art.-Nr. Item no. | Messbereich Range ° | | Abmessung Dimension (L x H x B) mm | Euro/St. Euro/Pc. |
|----------------------|------------------------|-------------------------------------|---------------------------------------|----------------------|
| 215.205 | 4 x 90 | mit Wasserwaage / with spirit level | 50 x 64 x 33 | 121,00 |
| 215.207 | 4 x 90 | - | 50 x 51 x 33 | 105,00 |

7 **DIGITAL-NEIGUNGSMESSGERÄT MIT PRISMEN UND DAUERMAGNET, ALUMINIUM-RAHMEN**
DIGITAL LEVEL WITH PRISMA AND PERMANENT MAGETIC BASE, CASE MADE OF ALUMINIUM

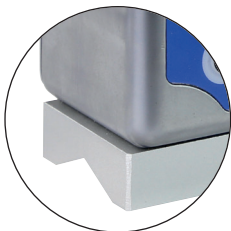
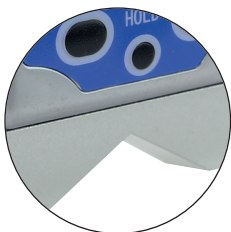
215.208



215.208



215.210



- Rahmen aus Aluminium
- Auflagefläche mit Prisma und Dauermagnet
- Digital-Anzeige mit EIN/AUS-, HOLD- und ABS/ZERO-Taste
- Messbereich: 4 x 90°
- Ablesung: 0,1°
- Genauigkeit:
 - 0,2° bis 15°
 - 0,5° von 15° - 90°

- case made of aluminium
- base with prisma and permanent magnet
- digital display with ON/OFF, HOLD and ABS/ZERO button
- range: 4 x 90°
- reading: 0.1°
- accuracy:
 - 0.2° until 15°
 - 0.5° from 15° until 90°

| Art.-Nr. Item no. | Messbereich Range ° | Prisma prisma | Abmessung Dimension (L x H x B) mm | Euro/St. Euro/Pc. |
|----------------------|------------------------|------------------|---------------------------------------|----------------------|
| 215.208 | 4 x 90 | quer / crosswise | 50 x 60 x 33 | 124,00 |
| 215.210 | 4 x 90 | längs / along | 50 x 65 x 33 | 123,00 |

DIGITAL-NEIGUNGSMESSGERÄT
DIGITAL LEVEL

215.201



- Rahmen aus Aluminium
- absoluter Nullpunkt bleibt immer im System erhalten
- Messbereich: 4 x 90°
- Ablesung: 0,05° / 1mm/m / 0,1% / 0,005 in/ft
- Genauigkeit:
 - 0,2° bis 15°;
 - 0,5° von 15° - 90°
- mit zuschaltbarer Rücklicht
- mit akustischer Signal beim Erreichenn um 0°
- mit HOLD-Funktion

- *case made of aluminium*
- *absolute zero level remains in system*
- *range: 4 x 90°*
- *reading: 0.05° / 1 mm/m / 0.1 % / 0.005 in/ft*
- *accuracy:*
 - 0.2° until 15°,
 - 0.5° from 15° until 90°
- *with backlight*
- *with beep around 0°*
- *with hold function*

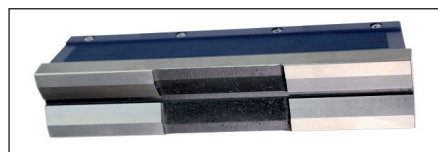
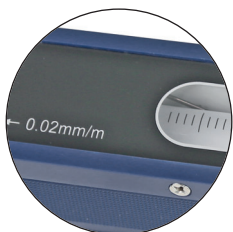
| Art.-Nr. Item no. | Messbereich Range ° | Länge Length mm | Euro/St. Euro/Pc. |
|----------------------|------------------------|--------------------|----------------------|
| 215.201 | 4 x 90 | 152 | 108,00 |

PRÄZISIONS-WASSERWAAGE
PRECISION ENGINEER'S SPIRIT LEVELS

7



215.121



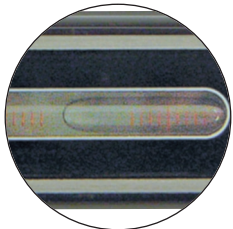
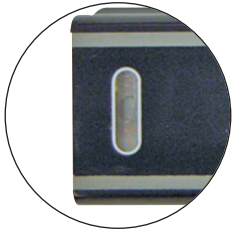
- aus Grauguss
- mit prismatischer Sohle
- mit Längs- und Querlibelle
- einfach justierbar
- im Behältnis/Kasten

- *base of high grade cast iron*
- *with prismatic base*
- *with length and cross bubble level*
- *easy adjustable*
- *in case/box*

| Art.-Nr. Item no. | Abmessung Size mm | Ablesung Reading mm/m | Gewicht Weight kg | Euro/St. Euro/Pc. |
|----------------------|----------------------|--------------------------|----------------------|----------------------|
| 215.121 | 150 | 0,02 | 1,2 | 205,00 |
| 215.123 | 300 | 0,02 | 2,8 | 240,00 |

215.101

PRÄZISIONS-WASSERWAAGE
PRECISION ENGINEER'S SPIRIT LEVELS



- aus Grauguss, lackiert
- mit prismatischer Sohle
- mit Längs- und Querlibelle
- im Behältnis/Kasten

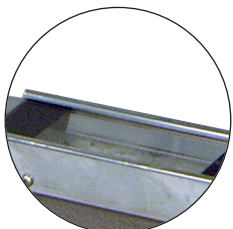
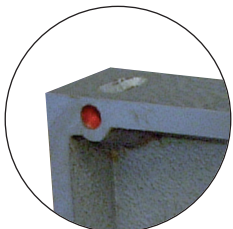
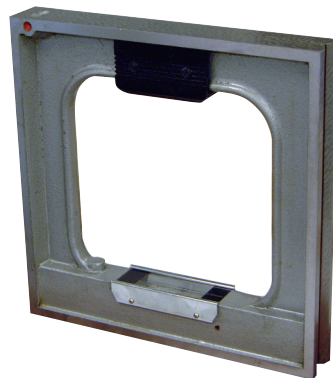
- *base of high grade cast iron*
- *with prismatic base*
- *with length and cross bubble level*
- *in case/box*

| Art.-Nr. <i>Item no.</i> | Abmessung <i>Size mm</i> | Ablesung <i>Reading mm/m</i> | Gewicht <i>Weight kg</i> | Euro/St. <i>Euro/Pc.</i> |
|-----------------------------|-----------------------------|---------------------------------|-----------------------------|-----------------------------|
| 215.101 | 150 | 0,02 | 1,2 | 146,00 |
| 215.102 | 200 | 0,02 | 1,9 | 175,00 |
| 215.104 | 300 | 0,02 | 2,8 | 210,00 |
| 215.141 | 150 | 0,1 | 1,2 | 128,00 |
| 215.142 | 200 | 0,1 | 1,9 | 150,00 |
| 215.144 | 300 | 0,1 | 2,8 | 192,00 |
| 215.161 | 150 | 0,3 | 1,2 | 112,00 |
| 215.162 | 200 | 0,3 | 1,9 | 128,00 |
| 215.164 | 300 | 0,3 | 2,8 | 182,00 |

PRÄZISIONS-RAHMEN-WASSERWAAGE
PRECISION ENGINEER'S SPIRIT LEVELS

7

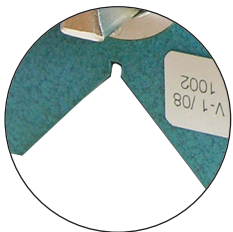
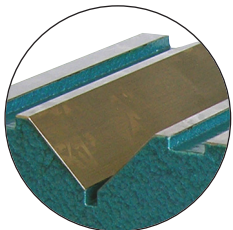
215.111



- aus Grauguss, lackiert
- mit prismatischer Sohle
- mit Längs- und Querlibelle
- im Behältnis/Kasten

- *base of high grade cast iron*
- *with prismatic base*
- *with length and cross bubble level*
- *in case/box*

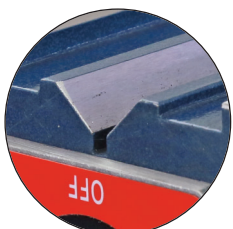
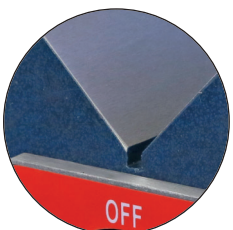
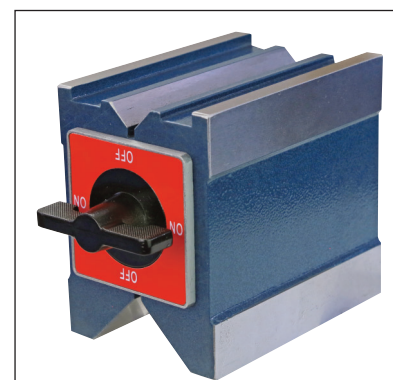
| Art.-Nr. <i>Item no.</i> | Abmessung <i>Size mm</i> | Ablesung <i>Reading mm/m</i> | Gewicht <i>Weight kg</i> | Euro/St. <i>Euro/Pc.</i> |
|-----------------------------|-----------------------------|---------------------------------|-----------------------------|-----------------------------|
| 215.111 | 150 x 150 | 0,02 | 2,5 | 205,00 |
| 215.112 | 200 x 200 | 0,02 | 4,1 | 215,00 |
| 215.114 | 300 x 300 | 0,02 | 9,0 | 240,00 |
| 215.151 | 150 x 150 | 0,1 | 2,5 | 171,00 |
| 215.152 | 200 x 200 | 0,1 | 4,1 | 182,00 |
| 215.154 | 300 x 300 | 0,1 | 9,0 | 280,00 |
| 215.170 | 100 x 100 | 0,3 | 1,4 | 139,00 |
| 215.171 | 150 x 150 | 0,3 | 2,5 | 161,00 |
| 215.172 | 200 x 200 | 0,3 | 4,1 | 171,00 |
| 215.174 | 300 x 300 | 0,3 | 9,0 | 235,00 |

MAGNET-MESS- UND SPANNPRISMENPAAR
MAGNETIC V-BLOCK PAIR


- paarweise bearbeitet
- mit Magnet, ein- und ausschaltbar
- Einschnittwinkel 90°
- seitliche Anschlagfläche 90°
- Stirnseite 90°, mit zuschaltbarer Magnetkraft
- Genauigkeit 0,005 mm

- *paired finished*
- *with magnet, on and off switch*
- *90° groove angle*
- *90° on the side*
- *front end 90°, magnet force switchable*
- *accuracy 0.005 mm*

| Art.-Nr. Item no. | Abmessung Size (L x B x H) mm | Gewicht Weight kg | Magnetkraft Magnetic force kg | Parallelität Parallelismus mm | Euro/Pair Euro/Pair |
|----------------------|----------------------------------|----------------------|----------------------------------|----------------------------------|------------------------|
| 318.240.1 | 80 x 67 x 96 | 5,5 | 100 | 0,005 | 750,00 |
| 318.240.2 | 100 x 70 x 96 | 7,4 | 120 | 0,005 | 1.070,00 |

MAGNET-MESS- UND SPANNPRISMA
MAGNETIC V-BLOCKS


- mit Magnet, ein- und ausschaltbar
- 100 kg Magnet-Nennkraft
- Einschnittwinkel 90°
- Genauigkeit 0,01 mm

- *with magnet, on and off switch*
- *nominal force 100 kg*
- *90° groove angle*
- *accuracy 0.01 mm*

| Art.-Nr. Item no. | Abmessung Size (L x B x H) mm | Gewicht Weight kg | Magnetkraft Magnetic force kg | Euro/St. Euro/Pc. |
|----------------------|----------------------------------|----------------------|----------------------------------|----------------------|
| 318.240 | 100 x 70 x 95 | 3,7 | 100 | 121,00 |

318.237.05

PARALLELUNTERLAGEN, EINZEL-PAAR
STEEL PARALLELS, SINGLE PAIR



- aus Spezialstahl
- paarweise fein geschliffen und gehärtet
- Nennmaßtoleranz in der Höhe ± 0,01 mm
- Restliche Maße nach DIN ISO 2768m

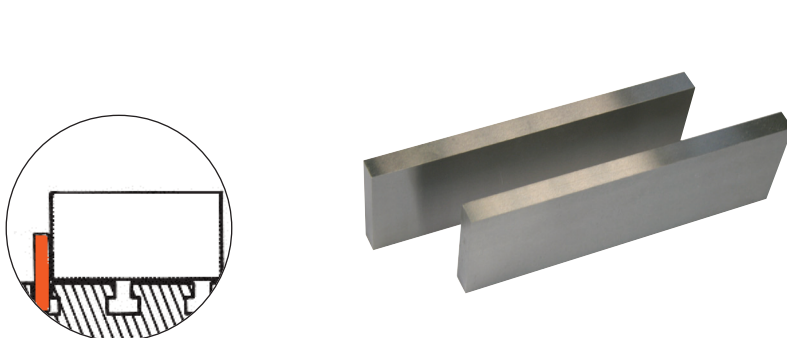
- *made of special steel*
- *fine ground, hardened, adjusted in pairs*
- *tolerance in height ± 0.01 mm*
- *other dimensions at DIN ISO 2768m*

| Länge Length mm | | | 100 | | | 125 | | | 150 | | |
|----------------------|----------------------------|------------------------|----------------------|----------------------------|------------------------|----------------------|----------------------------|------------------------|----------------------|----------------------------|------------------------|
| Art.-Nr. Item no. | Nennmaß Size (D x H) mm | Euro/Paar Euro/Pair | Art.-Nr. Item no. | Nennmaß Size (D x H) mm | Euro/Paar Euro/Pair | Art.-Nr. Item no. | Nennmaß Size (D x H) mm | Euro/Paar Euro/Pair | Art.-Nr. Item no. | Nennmaß Size (D x H) mm | Euro/Paar Euro/Pair |
| 318.237.05 | 2 x 5 | 17,70 | 318.238.11 | 8 x 11 | 24,10 | 318.239.11 | 8 x 11 | 28,40 | | | |
| 318.237.06 | 3 x 6 | 17,70 | 318.238.13 | 10 x 13 | 24,10 | 318.239.13 | 10 x 13 | 28,40 | | | |
| 318.237.07 | 4 x 7 | 17,70 | 318.238.15 | 12 x 15 | 24,10 | 318.239.15 | 12 x 15 | 28,40 | | | |
| 318.237.08 | 5 x 8 | 17,70 | 318.238.16 | 8 x 16 | 24,10 | 318.239.16 | 8 x 16 | 28,40 | | | |
| 318.237.09 | 6 x 9 | 17,70 | 318.238.17 | 14 x 17 | 24,10 | 318.239.17 | 14 x 17 | 28,40 | | | |
| 318.237.10 | 2 x 10 | 17,70 | 318.238.18 | 10 x 18 | 24,10 | 318.239.18 | 10 x 18 | 28,40 | | | |
| 318.237.11 | 3 x 11 | 17,70 | 318.238.20 | 12 x 20 | 24,10 | 318.239.20 | 12 x 20 | 28,40 | | | |
| 318.237.12 | 4 x 12 | 17,70 | 318.238.21 | 8 x 21 | 24,10 | 318.239.21 | 8 x 21 | 28,40 | | | |
| 318.237.13 | 5 x 13 | 17,70 | 318.238.22 | 14 x 22 | 24,10 | 318.239.22 | 14 x 22 | 28,40 | | | |
| 318.237.14 | 6 x 14 | 17,70 | 318.238.23 | 10 x 23 | 24,10 | 318.239.23 | 10 x 23 | 28,40 | | | |
| 318.237.15 | 2 x 15 | 17,70 | 318.238.25 | 12 x 25 | 24,10 | 318.239.25 | 12 x 25 | 28,40 | | | |
| 318.237.16 | 3 x 16 | 17,70 | 318.238.26 | 8 x 26 | 26,30 | 318.239.26 | 8 x 26 | 31,10 | | | |
| 318.237.17 | 4 x 17 | 17,70 | 318.238.27 | 14 x 27 | 26,30 | 318.239.27 | 14 x 27 | 31,10 | | | |
| 318.237.18 | 5 x 18 | 17,70 | 318.238.28 | 10 x 28 | 26,30 | 318.239.28 | 10 x 28 | 31,10 | | | |
| 318.237.19 | 6 x 19 | 17,70 | 318.238.30 | 12 x 30 | 26,30 | 318.239.30 | 12 x 30 | 31,10 | | | |
| 318.237.20 | 2 x 20 | 17,70 | 318.238.31 | 8 x 31 | 26,30 | 318.239.31 | 8 x 31 | 31,10 | | | |
| 318.237.21 | 3 x 21 | 17,70 | 318.238.32 | 14 x 32 | 26,30 | 318.239.32 | 14 x 32 | 31,10 | | | |
| 318.237.22 | 4 x 22 | 17,70 | 318.238.33 | 10 x 33 | 26,30 | 318.239.33 | 10 x 33 | 31,10 | | | |
| 318.237.23 | 5 x 23 | 17,70 | 318.238.35 | 12 x 35 | 30,00 | 318.239.35 | 12 x 35 | 35,90 | | | |
| 318.237.24 | 6 x 24 | 17,70 | 318.238.36 | 8 x 36 | 30,00 | 318.239.36 | 8 x 36 | 35,90 | | | |
| | | | 318.238.37 | 14 x 37 | 30,00 | 318.239.37 | 14 x 37 | 35,90 | | | |
| | | | 318.238.38 | 10 x 38 | 30,00 | 318.239.38 | 10 x 38 | 35,90 | | | |
| | | | 318.238.40 | 12 x 40 | 30,00 | 318.239.40 | 12 x 40 | 35,90 | | | |
| | | | 318.238.42 | 14 x 42 | 30,00 | 318.239.42 | 14 x 42 | 35,90 | | | |

7

318.241.1

PARALLELANSCHLAG
STEEL PARALLELS

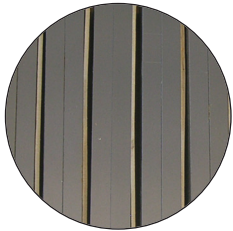


- zur Aufnahme von Werkstücken
- aus Spezialstahl, geschliffen und gehärtet
- für Maschinen-Nuten mit Toleranz H8
- Nennmaßtoleranz: +0 / -0,02 mm
- Höhtoleranz: IT 5
- Lieferung paarweise

- *for vertical positioning of works pieces*
- *made of special steel, fine ground*
- *for machine grooves (H8)*
- *thickness tolerance +0 / -0.02 mm*
- *height tolerance IT 5*
- *delivery in pairs*

| Länge Length mm | | 100 | | 120 | | 120 | | 160 | | 240 | |
|------------------------|----------------------|------------------------|----------------------|------------------------|----------------------|------------------------|----------------------|------------------------|----------------------|------------------------|--|
| Höhe Height mm | | 40 ± 0,0055 | | 60 ± 0,0065 | | 80 ± 0,0065 | | 80 ± 0,0065 | | 80 ± 0,0065 | |
| Stärke Thickness mm | Art.-Nr. Item no. | Euro/Paar Euro/Pair | Art.-Nr. Item no. | Euro/Paar Euro/Pair | Art.-Nr. Item no. | Euro/Paar Euro/Pair | Art.-Nr. Item no. | Euro/Paar Euro/Pair | Art.-Nr. Item no. | Euro/Paar Euro/Pair | |
| 8 | 318.241.1 | 29,80 | 318.241.2 | 36,80 | 318.241.3 | 42,10 | | | | | |
| 10 | 318.242.1 | 30,10 | 318.242.2 | 39,80 | 318.242.3 | 44,10 | | | | | |
| 12 | 318.243.1 | 30,80 | 318.243.2 | 41,90 | 318.243.3 | 48,10 | | | | | |
| 14 | 318.244.1 | 34,70 | 318.244.2 | 43,10 | 318.244.3 | 53,10 | | | | | |
| 16 | 318.245.1 | 37,10 | 318.245.2 | 47,10 | 318.245.3 | 55,00 | 318.245.4 | 70,00 | | | |
| 18 | 318.246.1 | 39,10 | 318.246.2 | 52,10 | 318.246.3 | 60,00 | 318.246.4 | 75,00 | | | |
| 22 | 318.247.1 | 39,70 | 318.247.2 | 55,00 | 318.247.3 | 65,00 | 318.247.4 | 80,00 | 318.247.5 | 110,00 | |

PARALLELUNTERLAGEN
STEEL PARALLELS

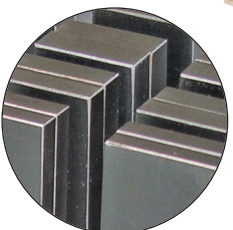
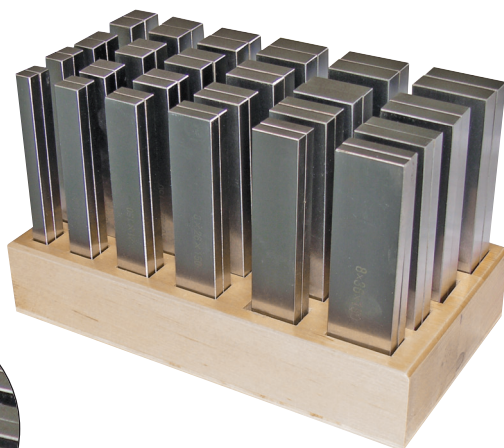


- aus Spezialstahl
- paarweise fein geschliffen und gehärtet
- Nennmaßtoleranz in der Höhe $\pm 0,01$ mm
- Restliche Maße nach DIN ISO 2768m
- mit Holzkasten

- *made of special steel, fine ground, hardened*
- *adjusted in pairs*
- *tolerance in height ± 0.01 mm*
- *other dimensions at DIN ISO 2768m*
- *in wooden case*

| Art.-Nr. <i>Item no.</i> | Länge <i>Length mm</i> | Paar <i>Pairs</i> | Stärke <i>Thickness mm</i> | Nennmaß <i>Size (H) mm</i> | Gewicht <i>Weight kg</i> | Euro/Satz <i>Euro/Set</i> |
|-----------------------------|---------------------------|----------------------|-------------------------------|--|-----------------------------|------------------------------|
| 318.234 | 100 | 9 | 4 | 10, 14, 18, 22, 26, 30, 34, 38, 42 | 1,7 | 111,00 |
| 318.235 | 160 | 9 | 4 | 10, 14, 18, 22, 26, 30, 34, 38, 42 | 2,7 | 126,00 |
| 318.231 | 120 | 12 | 10 | 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40 | 6,6 | 210,00 |
| 318.230 | 150 | 14 | 10 | 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40 45, 50 | 10,4 | 235,00 |

PARALLELUNTERLAGEN
STEEL PARALLELS



- aus Spezialstahl
- paarweise fein geschliffen und gehärtet
- Nennmaßtoleranz in der Höhe $\pm 0,01$ mm
- Restliche Maße nach DIN ISO 2768m
- im Holzstand

- *made of special steel, fine ground, hardened*
- *adjusted in pairs*
- *tolerance in height ± 0.01 mm*
- *other dimensions at DIN ISO 2768m*
- *in wooden stand*

| Art.-Nr. <i>Item no.</i> | Länge <i>Length mm</i> | Paar <i>Pairs</i> | Nennmaß <i>Size (D x H) mm</i> | Gewicht <i>Weight kg</i> | Euro/Satz <i>Euro/Set</i> |
|-----------------------------|---------------------------|----------------------|---|-----------------------------|------------------------------|
| 318.236 | 100 | 20 | 2 x 5, 2 x 10, 2 x 15, 2 x 20 3 x 6, 3 x 11, 3 x 16, 3 x 21 4 x 7, 4 x 12, 4 x 17, 4 x 22 5 x 8, 5 x 13, 5 x 18, 5 x 23 6 x 9, 6 x 14, 6 x 19, 6 x 24 | 2,4 | 255,00 |
| 318.232 | 125 | 24 | 8 x 11, 8 x 16, 8 x 21, 8 x 26, 8 x 31, 8 x 36 10 x 13, 10 x 18, 10 x 23, 10 x 28, 10 x 33, 10 x 38 | 14,5 | 320,00 |
| 318.233 | 150 | 24 | 12 x 15, 12 x 20, 12 x 25, 12 x 30, 12 x 35, 12 x 40 14 x 17, 14 x 22, 14 x 27, 14 x 32, 14 x 37, 14 x 42 | 17,6 | 375,00 |

= unfreit
freight forward!



318.332 **PRÄZISIONS-SCHLEIF- UND KONTROLLSCHRAUBSTOCK**
PRECISION TOOLMARKERS VISE

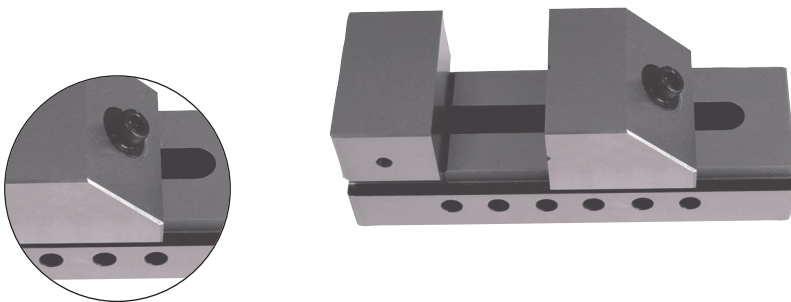


- mit Gewindespindel
- mit waagrecht und senkrecht eingeschliffenen Prismen
- Genauigkeit: 0,005 mm/100 mm
- Rechtwinkligkeit: 0,01 mm/100mm

- *with spindle clamp*
- *vertically and horizontally grounded prism*
- *accuracy: 0.005 mm/100 mm*
- *squareness: 0.01 mm/100mm*

| Art.-Nr. <i>Item no.</i> | Backenbreite <i>Jaw Width mm</i> | Spannweite <i>Jaw Opening mm</i> | Backenhöhe <i>Jaw Height mm</i> | Gesamtlänge <i>Total Width mm</i> | Gewicht <i>Weight kg</i> | Euro/St. <i>Euro/Pc.</i> |
|-----------------------------|-------------------------------------|-------------------------------------|------------------------------------|--------------------------------------|-----------------------------|-----------------------------|
| 318.332 | 50 | 60 | 25 | 155 | 2,1 | 151,00 |
| 318.333 | 73 | 100 | 35 | 210 | 5,6 | 197,00 |
| 318.334 | 100 | 127 | 45 | 260 | 15,0 | 315,00 |
| 318.335 | 125 | 160 | 50 | 300 | 19,5 | 445,00 |

318.341 **PRÄZISIONS-SCHLEIF- UND KONTROLLSCHRAUBSTOCK**
PRECISION TOOLMARKERS VISE

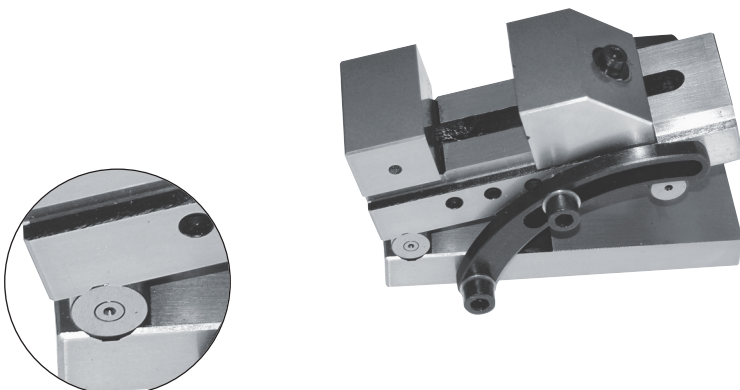


- mit Schnellverstellung
- mit waagrecht und senkrecht eingeschliffenen Prismen
- Genauigkeit: 0,005 mm/100 mm
- Rechtwinkligkeit: 0,01 mm/100mm

- *with quick clamp*
- *vertically and horizontally grounded prism*
- *accuracy: 0.005 mm/100 mm*
- *squareness: 0.01 mm/100mm*

| Art.-Nr. <i>Item no.</i> | Backenbreite <i>Jaw Width mm</i> | Spannweite <i>Jaw Opening mm</i> | Backenhöhe <i>Jaw Height mm</i> | Gesamtlänge <i>Total Width mm</i> | Gewicht <i>Weight kg</i> | Euro/St. <i>Euro/Pc.</i> |
|-----------------------------|-------------------------------------|-------------------------------------|------------------------------------|--------------------------------------|-----------------------------|-----------------------------|
| 318.341 | 25 | 25 | 10 | 65 | 0,2 | 87,00 |
| 318.342 | 50 | 70 | 25 | 140 | 1,6 | 112,00 |
| 318.343 | 73 | 100 | 35 | 190 | 3,9 | 143,00 |
| 318.344 | 100 | 125 | 45 | 246 | 9,5 | 240,00 |
| 318.345 | 125 | 160 | 50 | 285 | 15,2 | 360,00 |

318.352 **SINUS-SCHRAUBSTOCK MIT SCHNELLVERSTELLUNG**
SIN-VISE WITH QUICK CLAMP

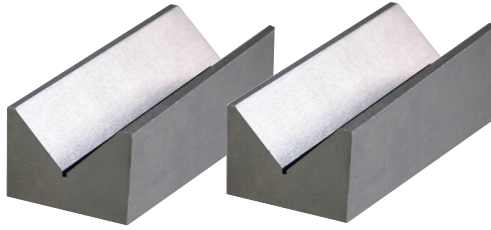
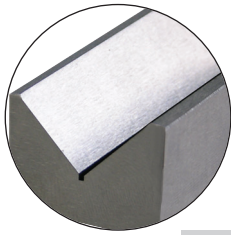


- Sinus-Schraubstock
- mit Schnellverstellung
- mit waagrecht und senkrecht eingeschliffenen Prismen
- Genauigkeit: 0,005 mm/100 mm
- Rechtwinkligkeit: 0,01 mm/100mm

- *sine vise*
- *with quick clamp*
- *vertically and horizontally grounded prism*
- *accuracy: 0.005 mm/100 mm*
- *squareness: 0.01 mm/100mm*

| Art.-Nr. <i>Item no.</i> | Backenbreite <i>Jaw Width mm</i> | Spannweite <i>Jaw Opening mm</i> | Backenhöhe <i>Jaw Height mm</i> | Gesamtlänge <i>Total Width mm</i> | Gewicht <i>Weight kg</i> | Euro/St. <i>Euro/Pc.</i> |
|-----------------------------|-------------------------------------|-------------------------------------|------------------------------------|--------------------------------------|-----------------------------|-----------------------------|
| 318.352 | 50 | 65 | 25 | 140 | 2,7 | 192,00 |
| 318.353 | 73 | 100 | 35 | 190 | 6,6 | 260,00 |
| 318.354 | 100 | 125 | 45 | 245 | 15,0 | 460,00 |

PRISMEN-PAARE
V-BLOCKS



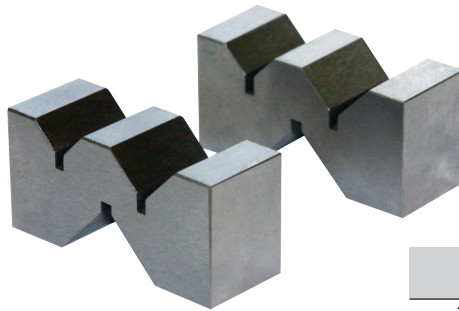
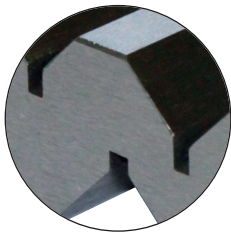
- Prismen-Paare DIN 876/0, 1, 3
- aus Spezialstahl, gehärtet
- paarweise bearbeitet
- Einschnittwinkel 90°

- *V-blocks DIN 876/0, 1, 3*
- *made of special steel, hardened*
- *pairwise finished*
- *90° groove angle*

| Abmessung Size (L x W x H) mm | Gewicht Weight kg | für Welle ø for Shaft mm | DIN 876/0 (0,008 mm) | | DIN 876/1 (0,016 mm) | | DIN 876/3 (0,064 mm) | |
|----------------------------------|----------------------|-----------------------------|----------------------|------------------------|----------------------|------------------------|----------------------|------------------------|
| | | | Art.-Nr. Item no. | Euro/Paar Euro/Pair | Art.-Nr. Item no. | Euro/Paar Euro/Pair | Art.-Nr. Item no. | Euro/Paar Euro/Pair |
| 75 x 40 x 30 | 1,8 | 5 - 40 | 318.271 | 95,00 | 318.281 | 84,00 | 318.291 | 71,50 |
| 100 x 47 x 40 | 3,0 | 5 - 55 | 318.272 | 136,00 | 318.282 | 132,00 | 318.292 | 92,50 |
| 150 x 50 x 40 | 5,6 | 5 - 60 | 318.273 | 205,00 | 318.283 | 168,00 | 318.293 | 132,00 |
| 200 x 65 x 55 | 10,9 | 5 - 75 | 318.274 | 295,00 | 318.284 | 240,00 | 318.294 | 188,00 |

318.271

DREIFACH-PRISMEN-PAARE
TRIPLE V-BLOCKS



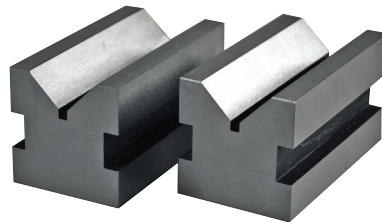
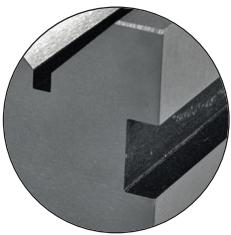
- Dreifach-Prismen-Paare
- aus Spezialstahl, gehärtet
- paarweise bearbeitet
- 3 Einschnittwinkel je 90°
- Genauigkeit 0,02 mm

- *triple V blocks*
- *made of special steel, hardened*
- *pairwise finished*
- *groove angle, 3 x 90°*
- *accuracy 0.02 mm*

| Art.-Nr. Item no. | Gewicht Weight kg | Abmessung Size (L x W x H) mm | für Welle ø for Shaft mm | Euro/Paar Euro/Pair |
|----------------------|----------------------|----------------------------------|-----------------------------|------------------------|
| 318.255 | 0,3 | 50 x 19 x 24 | 5 - 33 | 87,50 |
| 318.256 | 0,4 | 75 x 24 x 35 | 6 - 45 | 134,00 |
| 318.257 | 0,6 | 100 x 33 x 52 | 8 - 60 | 158,00 |
| 318.258 | 0,7 | 125 x 44 x 69 | 8 - 75 | 210,00 |

318.255

PRISMEN-PAARE
V-BLOCKS



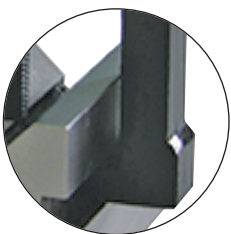
- Prismen-Paare DIN 876/0
- aus Spezialstahl, gehärtet
- paarweise bearbeitet
- Einschnittwinkel 90°
- Genauigkeit 0,008 mm

- *V-blocks DIN 876/0*
- *made of special steel, hardened*
- *pairwise finished*
- *90° groove angle*
- *accuracy 0.008 mm*

| Art.-Nr. Item no. | Gewicht Weight kg | Abmessung Size (L x W x H) mm | für Welle ø for Shaft mm | Euro/Paar Euro/Pair |
|----------------------|----------------------|----------------------------------|-----------------------------|------------------------|
| 318.251 | 1,6 | 75 x 40 x 40 | 5 - 40 | 90,50 |
| 318.252 | 2,8 | 100 x 45 x 45 | 6 - 45 | 115,00 |
| 318.253 | 6,0 | 150 x 55 x 55 | 8 - 55 | 195,00 |

318.251

DOPPEL-PRISMEN-PAARE MIT SPANNBÜGEL
DOUBLE V-BLOCKS WITH CLAMP



- Doppel-Prismen mit Spannbügel
- DIN 876/0
- aus Spezialstahl, paarweise bearbeitet
- Einschnittwinkel 90°
- Genauigkeit 0,008 mm

- *double V-blocks with clamp*
- *DIN 876/0*
- *made of special steel*
- *pairwise finished*
- *90° groove angle*
- *accuracy 0.008 mm*

| Abmessung Size (L x W x H) mm | Gewicht Weight kg | für Welle ø for Shaft mm | Prismen mit Bügel V-block with clamp | | Ersatzbügel Spare clamp | |
|----------------------------------|----------------------|-----------------------------|---|------------------------|----------------------------|------------------------|
| | | | Art.-Nr. Item no. | Euro/Paar Euro/Pair | Art.-Nr. Item no. | Euro/Paar Euro/Pair |
| 45 x 40 x 36 | 1,1 | 5 - 20 | 318.261 | 83,50 | 318.266 | 22,00 |
| 70 x 45 x 40 | 1,8 | 5 - 25 | 318.262 | 118,00 | 318.267 | 23,30 |
| 70 x 63 x 45 | 3,0 | 5 - 32 | 318.263 | 164,00 | 318.268 | 25,40 |
| 125 x 90 x 70 | 10,3 | 5 - 45 | 318.264 | 235,00 | 318.269 | 29,20 |

318.261

214.701 **WERKSTATTLINEALE**
STEEL RULER



214.701



= Übergröße
Oversize

- aus Spezialstahl, geschliffen
- *made of steel, grounded*
- OHNE Facette
- *WITHOUT bevelled edge*

| Art.-Nr. Item no. | Abmessung Size mm | Euro/St. Euro/Pc. |
|----------------------|----------------------|----------------------|
| 214.701 | 300 x 40 x 5 | 15,90 |
| 214.702 | 500 x 40 x 5 | 22,30 |
| 214.703 | 600 x 40 x 5 | 32,50 |
| 214.704 | 800 x 40 x 5 | 37,80 |
| 214.705 | 1000 x 40 x 5 | 51,30 |
| 214.706 | 1500 x 40 x 5 | 113,00 |
| 214.707 | 2000 x 40 x 5 | 173,00 |

214.721



214.721



= Übergröße
Oversize

- MIT Facette
- *WITH bevelled edge*

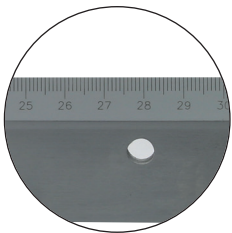
| Art.-Nr. Item no. | Abmessung Size mm | Euro/St. Euro/Pc. |
|----------------------|----------------------|----------------------|
| 214.721 | 300 x 40 x 5 | 20,00 |
| 214.722 | 500 x 40 x 5 | 28,50 |
| 214.723 | 600 x 40 x 5 | 38,00 |
| 214.724 | 800 x 40 x 5 | 45,50 |
| 214.725 | 1000 x 40 x 5 | 53,00 |
| 214.726 | 1500 x 40 x 5 | 130,00 |
| 214.727 | 2000 x 40 x 5 | 205,00 |

7

214.731



214.731

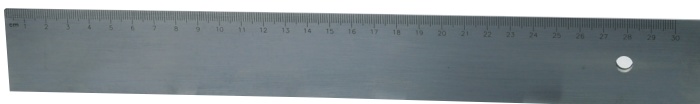


= Übergröße
Oversize

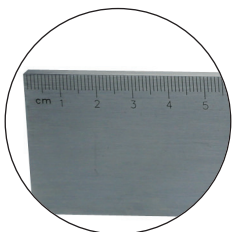
- MIT Facette
- MIT mm-Teilung
- *WITH bevelled edge*
- *WITH mm graduation*

| Art.-Nr. Item no. | Abmessung Size mm | Euro/St. Euro/Pc. |
|----------------------|----------------------|----------------------|
| 214.731 | 300 x 40 x 5 | 24,70 |
| 214.732 | 500 x 40 x 5 | 31,40 |
| 214.733 | 600 x 40 x 5 | 43,40 |
| 214.734 | 800 x 40 x 5 | 52,60 |
| 214.735 | 1000 x 40 x 5 | 60,00 |
| 214.736 | 1500 x 40 x 5 | 144,00 |
| 214.737 | 2000 x 40 x 5 | 225,00 |

214.711 **ARBEITSMASSTÄBE DIN 866/B**
STEEL RULER DIN 866/B



214.711



= Übergröße
Oversize

- aus Spezialstahl, geschliffen
- mit mm-Teilung
- Genauigkeit nach DIN 866/B
- *made of steel, grounded*
- *with mm graduation*
- *accuracy to DIN 866/B*

| Art.-Nr. Item no. | Abmessung Size mm | Euro/St. Euro/Pc. |
|----------------------|----------------------|----------------------|
| 214.711 | 300 x 40 x 5 | 21,60 |
| 214.712 | 500 x 40 x 5 | 30,10 |
| 214.713 | 600 x 40 x 5 | 38,50 |
| 214.714 | 800 x 40 x 5 | 48,20 |
| 214.715 | 1000 x 40 x 5 | 66,50 |
| 214.716 | 1500 x 40 x 5 | 136,00 |
| 214.717 | 2000 x 40 x 5 | 197,00 |

HAARLINEALE, WERKZEUGSTAHL
KNIFE STRAIGHT EDGES, TOOLS STEEL



- aus Werkzeugstahl
- ganz gehärtet, geschliffen und geläppt
- schwarz bruniert
- mit Isoliergriff
- Genauigkeit
 bis 500 mm DIN 874/00
 ab 600 mm DIN 874/0

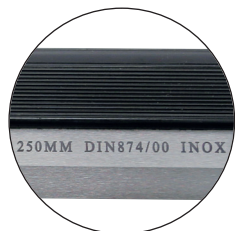
- *tool steel*
- *hardened, grounded and lapped*
- *black branded*
- *with heat-insulated handle*
- *accuracy*
 until 500 mm DIN 874/00
 from 600 mm DIN 874/0

| Art.-Nr. <i>Item no.</i> | Länge <i>Length mm</i> | Euro/St. <i>Euro/Pc.</i> |
|---|---------------------------|-----------------------------|
| 214.018 | 50 | 12,80 |
| 214.019 | 75 | 13,80 |
| 214.020.1 | 100 | 17,70 |
| 214.020.2 | 125 | 18,70 |
| 214.021 | 150 | 22,10 |
| 214.022.1 | 200 | 33,10 |
| 214.022.2 | 250 | 46,40 |
| 214.023 | 300 | 56,00 |
| 214.024 | 400 | 77,00 |
| 214.025 | 500 | 114,00 |
| 214.026* | 600 | 156,00 |
| 214.027* | 800 | 345,00 |
| XL 214.028* | 1000 | 405,00 |

XL = Übergröße
Oversize

*600, 800 und 1000 mm in Güte 0 / *600, 800 and 1000 mm is degree 0*

HAARLINEALE DIN 874/00, INOX
KNIFE STRAIGHT EDGES, DIN 874/00, INOX



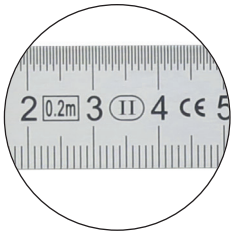
- aus INOX-Stahl
- ganz gehärtet, geschliffen und geläppt
- mit Isoliergriff
- Genauigkeit
 bis 500 mm DIN 874/00
 ab 600 mm DIN 874/0

- *INOX steel*
- *hardened, grounded and lapped*
- *with heat-insulated handle*
- *accuracy*
 until 500 mm DIN 874/00
 from 600 mm DIN 874/0

| Art.-Nr. <i>Item no.</i> | Länge <i>Length mm</i> | Euro/St. <i>Euro/Pc.</i> |
|-----------------------------|---------------------------|-----------------------------|
| 214.118 | 50 | 16,20 |
| 214.119 | 75 | 17,40 |
| 214.120.1 | 100 | 20,10 |
| 214.120.2 | 125 | 24,00 |
| 214.121 | 150 | 28,70 |
| 214.122.1 | 200 | 34,50 |
| 214.122.2 | 250 | 53,90 |
| 214.123 | 300 | 62,50 |
| 214.124 | 400 | 89,50 |
| 214.125 | 500 | 132,00 |
| 214.126* | 600 | 191,00 |

*600 mm in Güte 0 / *600 mm is degree 0*

214.181 **MASSTAB, INOX, STARRE AUSFÜHRUNG**
STEEL RULER, INOX, RIGID PATTERN

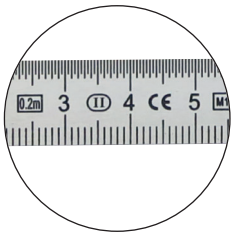


- aus rostfreiem Stahl
- mit mm und 1/2 mm Teilung
- *made of stainless steel*
- *with mm and 1/2 mm scale*

| Art.-Nr. <i>Item no.</i> | Messbereich <i>Range mm</i> | Querschnitt <i>Profile mm</i> | Euro/St. <i>Euro/Pc.</i> |
|-----------------------------|--------------------------------|----------------------------------|-----------------------------|
| 214.181 | 150 | 19 x 1,0 | 1,90 |
| 214.182 | 200 | 19 x 1,0 | 2,10 |
| 214.187 | 300 | 19 x 1,0 | 3,10 |
| 214.183 | 300 | 30 x 1,0 | 4,10 |
| 214.184 | 500 | 30 x 1,0 | 5,10 |
| 214.185 | 1000 | 30 x 1,0 | 12,20 |
| XL 214.186 | 2000 | 30 x 1,5 | 44,80 |

XL = Übergroße
Oversize

214.191 **MASSTAB, INOX, FLEXIBEL**
STEEL RULER, INOX, FLEXIBLE

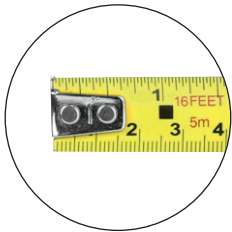


- aus rostfreiem Stahl
- mit mm und 1/2 mm Teilung
- *made of stainless steel*
- *with mm and 1/2 mm scale*

| Art.-Nr. <i>Item no.</i> | Messbereich <i>Range mm</i> | Querschnitt <i>Profile mm</i> | Euro/St. <i>Euro/Pc.</i> |
|-----------------------------|--------------------------------|----------------------------------|-----------------------------|
| 214.191 | 150 | 13 x 0,5 | 1,25 |
| 214.192 | 200 | 13 x 0,5 | 1,65 |
| 214.193 | 300 | 13 x 0,5 | 2,10 |
| 214.194 | 500 | 13 x 0,5 | 3,80 |
| 214.197 | 500 | 18 x 0,5 | 4,20 |
| 214.198 | 1000 | 18 x 0,5 | 8,80 |
| 214.195 | 1000 | 24 x 0,5 | 9,25 |

7

203.100 **DIGITAL-MASSBAND**
DIGITAL MEASURING TAPE



- Bandbreite 19 mm, Messbereich 5 m
- mm/inch umschaltbar
- Ablesung 0,1 cm

- *width 19 mm, range 5 m*
- *mm/inch switchable*
- *reading 0.1 cm*

| Art.-Nr. <i>Item no.</i> | Messbereich <i>Range mm</i> | Ablesung <i>Reading mm</i> | Euro/St. <i>Euro/Pc.</i> |
|-----------------------------|--------------------------------|-------------------------------|-----------------------------|
| 203.100 | 5000 | 10 | 42,10 |

NORMEN UND KALIBRIERUNG
STANDARD AND CERTIFICATION

AUSZUG AUS DIN 874, BLATT 1 (LINEALE)
Abridgement of DIN 874, Page 1 (Rule)

| Länge Length mm | Ebenheitstoleranzen te bei Güte Flatness tolerance te at degree | | | |
|--------------------|--|---------|---------|---------|
| | 00 µm | 0 µm | 1 µm | 2 µm |
| - 500 | 4 | 7 | 12 | 21 |
| - 750 | 6 | 9,5 | 17 | 27 |
| - 1000 | 8 | 12 | 21 | 33 |

AUSZUG AUS DIN 874, BLATT 2 (HAARLINEALE, GÜTE 00)
Abridgement of DIN 874, Page 2 (Knife straight edge, degree 00)

| Länge Length mm | Geradheitstoleranzen t µm Straightness tolerance t µm |
|--------------------|--|
| 75 | 2 |
| 100 | 2 |
| 150 | 3 |
| 200 | 3 |
| 300 | 3 |
| 400 | 4 |
| 500 | 4 |
| 750 | 5 |
| 1000 | 6 |

AUSZUG AUS ISO 286 (GRUNDTOLERANZ)
Abridgement of ISO 286 (basis tolerance)

| Länge Length mm | IT 6 µm | IT 7 µm | Abmaß g µm | Abmaß H µm |
|--------------------|------------|------------|---------------|---------------|
| - 3 | 6 | 10 | -2 | 0 |
| 3 - 6 | 8 | 12 | -4 | 0 |
| 6 - 10 | 9 | 15 | -5 | 0 |
| 10 - 18 | 11 | 18 | -6 | 0 |
| 18 - 30 | 13 | 21 | -7 | 0 |
| 30 - 50 | 16 | 25 | -9 | 0 |
| 50 - 80 | 19 | 30 | -10 | 0 |
| 80 - 120 | 22 | 35 | -12 | 0 |
| 120 - 180 | 25 | 40 | -14 | 0 |

HINWEIS ZUR KALIBRIERUNG:

Alle in diesem Katalog angebotenen, nach DIN gekennzeichneten Messmittel können nach den gültigen Vorschriften von VDI/VDE/DGQ 2618 kalibriert werden. Die meisten Messmittel, die nach Werksnorm hergestellt sind, können nach der angegebenen Werksnorm kalibriert werden.

Wir können Ihnen unsere Messmittel mit aktuellem Kalibrierschein liefern. Die Kalibrierung erfolgt durch ein externes Kalibrierlabor (mit DAKKS-Akkreditierung) unserer Wahl. Bei der Zuordnung der zu kalibrierenden Artikel muss deren Ausführung genau beachtet werden. Die Auswahl des Kalibrierartikels obliegt deshalb uns.

Die Lieferzeit für eine externe Kalibrierung beträgt bis zu 10 Arbeitstagen. Aufträge mit Kalibrierung können nicht storniert werden. Ebenso ist Ware mit Kalibrierschein vom Rückgaberecht ausgeschlossen.

Falls Sie die Kalibrierung von einem anderen Labor durchführen lassen, übernehmen wir keine Haftung für den Fall, dass die Messmittel die Kalibrierung nicht bestehen.

Schaden- bzw. Kostenersatz sind somit ausgeschlossen.

Achtung:
 Für die Kalibrierung wird weder Rabatt noch Nachlass gewährt!

AUSZUG AUS DIN 875 (STAHLWINKEL 90°)
Abridgement of DIN 875 (steel squares 90°)

| Länge Length mm | Rechtwinkeligkeitstoleranzen t bei Güte Squareness t at degree | | | |
|--------------------|---|---------|---------|---------|
| | 00 µm | 0 µm | 1 µm | 2 µm |
| 50 | 3 | - | - | - |
| 75 | 3 | 7 | 14 | 28 |
| 100 | 3 | 7 | 15 | 30 |
| 150 | 4 | 8 | 18 | 35 |
| 200 | 4 | 9 | 20 | 40 |
| 250 | 5 | 10 | 23 | 45 |
| 300 | 5 | 11 | 25 | 50 |
| 500 | 7 | 15 | 35 | 70 |
| 750 | 10 | 20 | 43 | 85 |
| 1000 | 12 | 25 | 60 | 120 |

| Länge Length mm | Ebenheitstoleranzen te bei Güte Flatness tolerance te at degree | | | |
|--------------------|--|---------|---------|---------|
| | 00 µm | 0 µm | 1 µm | 2 µm |
| 40 | 2 | - | - | - |
| 50 | 2 | 3 | 5 | 10 |
| 70 | 2 | 3 | 5 | 11 |
| 75 | 2 | 3 | 6 | 11 |
| 100 | 2 | 3 | 6 | 12 |
| 130 | 3 | 3 | 7 | 13 |
| 150 | 3 | 4 | 7 | 14 |
| 165 | 3 | 4 | 7 | 15 |
| 175 | - | - | - | 15 |
| 200 | 3 | 4 | 8 | 16 |
| 250 | 3 | 5 | 9 | 18 |
| 300 | 3 | 5 | 10 | 20 |
| 330 | 3 | 5 | 11 | - |
| 375 | - | - | - | 23 |
| 500 | 4 | 7 | 14 | 28 |
| 660 | 5 | 9 | 17 | - |
| 750 | 5 | 10 | 19 | 38 |
| 1000 | 6 | 12 | 24 | 48 |

ABOUT THE CERTIFICATION:

We are also able to quote all DIN measuring tools with a certificate to VDI/VDE/DGQ 2618. Most Measuring tools manufactured at factory standard can be certificated according to this norm.

The calibration will be done by an external calibration laboratory which is accredited to DAKKS. When selection the calibration-number the type of measuring instrument has to be noted exactly. The choice of calibration number is task of us.

The delivery time for external calibration will take approx. 10 days. Calibration orders can't be cancelled and calibrated goods are excluded from right of return.

Wether you intend a calibration by laboratory of your choice, we are unable to guarantee for passing.

Compensation or refund of costs are also impossible.

Attention:
 No discount on the certification costs!