



0411 Protractors



- Model**
- Locking screw
  - High precision, laser graduated degree scale
  - Factory standard
  - 0 - 180°
- Delivery**
- Cardboard box

Material	Jaw length mm	Graduated arc dia. mm	Order no.
Special steel	120	80	0411 101
	150	120	0411 102
	200	150	0411 103
	300	200	0411 104
	500	300	0411 105
	600	300	0411 106
	800	300	0411 107
	800	400	0411 108
	800	400	0411 109
	1000	400	0411 110
Special steel, satin chrome finished graduated arc	120	80	0411 301
	150	120	0411 302
	200	150	0411 303
	300	200	0411 304
	500	300	0411 305
	600	300	0411 306
	800	300	0411 307
	800	400	0411 308
	800	400	0411 309
	1000	400	0411 310

0412 Protractors



- Model**
- Locking screw
  - Stainless steel
  - Factory standard
  - 0 - 180°
  - High precision, laser graduated degree scale
- Delivery**
- Cardboard box

Material	Jaw length mm	Graduated arc dia. mm	Order no.
Special steel	120	80	0412 201
	150	120	0412 202
	200	150	0412 203
	300	200	0412 204
	300	200	0412 204

QuickLock QuickStart Waterproof acc. IP Data output DIN



0413 Protractors



- Model**
- Locking screw
  - Special steel
  - Factory standard
  - 0 - 180°
  - High precision, laser graduated degree scale
  - Graduated in opposite directions
  - Satin chrome finished
- Delivery**
- Cardboard box

Material	Dimensions mm	Jaw length mm	Order no.
Special steel	85	150	0413 301
	85 x 50	150	0413 302

0415 Bevel protractors



- Model**
- Locking screw
  - Special steel, pointer arm is satin chrome finished
  - Factory standard
  - Adjustable stop bar 10° - 170°
  - High precision, laser graduated degree scale
- Delivery**
- Cardboard box

Material	Jaw length mm	Graduated arc dia. mm	Order no.
Special steel	100	100	0415 301
	300	150	0415 302
	400	200	0415 303
	500	250	0415 304
	600	300	0415 305

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Marked \* = excess length/excess weight Marked H = includes a FOC calibration certificate, traceable to national standards



0416 Bevel protractors with double stop rail



- Model**
- Locking screw
  - Special steel, pointer arm is satin chrome finished
  - Factory standard
  - Adjustable stop bar 10° - 170°
  - High precision, laser graduated degree scale
  - Two-way adjustable stop bar
- Delivery**
- Cardboard box

Material	Jaw length mm	Graduated arc dia. mm	Order no.
Special steel	150	100	0416 301
	300	150	0416 302
	400	200	0416 303
	500	250	0416 304
	600	300	0416 305

0422 Universal bevel protractors with magnifying lens



- Model**
- Locking screw
  - Stainless steel
  - Factory standard
  - Fine adjustment screw
  - Parallax-free reading
  - Reading parts are satin chrome finished
- Delivery**
- Vernier and scale reading 5 minutes
  - Hardened beam
  - Wooden case

Material	Measuring range in°	Blade length mm	Order no.
Special steel	4 x 90°	150	0422 501
	4 x 90°	200	0422 502
	4 x 90°	300	0422 503
	4 x 90°	500	0422 504



Accessories	Order no.
Replacement magnifying lens	0442 500

QuickLock QuickStart Waterproof acc. IP Data output DIN



0425 DIGI-MET® Universal bevel protractors



- Model**
- Clamping unit
  - Stainless steel
  - Factory standard
  - Reversible measuring range: -1 x 360° -2 x 180° -4 x 90°
- Functions**
- ON / OFF
  - Set to zero at any point
  - Data output Opto RS 232
- Delivery**
- Wooden case

Material	Blade length mm	Reading mm	Order no.
Special steel	150	0.01° or 1'	0425 701
	200	0.01° or 1'	0425 702
	300	0.01° or 1'	0425 703

Accessories	Order no.
Battery 3V-Lithium CR 2032	0228 704
data cable opto to RS232	0998 701
data cable opto to USB	0998 705

0425 Replacement blades for 0422 / 0425



Material	Blade length mm	Order no.
Special steel	150	0425 211
	200	0425 212
	300	0425 213
	500	0425 214

QuickLock QuickStart Waterproof acc. IP Data output DIN



0420 Universal bevel protractors



**Model**

- Locking screw
- Stainless steel
- Factory standard
- Vernier scale reading 5 minutes

**Delivery**

- Cardboard box

H4	5/a	Measuring range	Blade length	Order no.
		in °	mm	
		4 x 90 °	150	0420 201
		4 x 90 °	200	0420 202
		4 x 90 °	300	0420 203

**Accessories**

	Order no.
Replacement magnifying lense	0420 121
Angle stop for bevel protractors	0420 122
Prismatic base	0420 124
Replacement blade 150 mm	0420 206
Replacement blade 200 mm	0420 207
Replacement blade 300 mm	0420 208



0420121



0420122



0420124



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