Height (mm)		310	390	568	740
Operation radius (mm)		200	280	450	630
Adherence strength (N)		800	800	1000	1500
Base size		60 x 50 x 55 mm	60 x 50 x 55 mm	75 x 50 x 55 mm	120 x 60 x 55 mm
34060...	Ident. No.	027	021	023	025
	Price/unit, €	●	●	●	●

Prod. Gr. 3AB

ATORN® 3D articulated measuring stand µ-Line

with precision adjustment and high-quality, light metal arms

Application:
in high-precision range for clamping dial gauges, precision pointers, lever gauge probes etc.

Execution:
- Mechanical, maintenance-free central clamping
- Dovetail mount and holder Ø 8 mm
- Strong adhesive magnet with prismatic base

Advantage:
- Simple, quick operation
- Highly flexible, exact positioning
- Precision adjustment with high repeat accuracy for measurements in the µ-range

Delivery:
Without precision pointer

Ident. No. 070

Ident. No. 080, 100

Height (mm)		200	310	390	435
Operation radius (mm)		130	200	287	330
Adherence strength (N)		600	600	600	900
Base size		40 x 40 x 40 mm	60 x 50 x 55 mm	60 x 50 x 55 mm	75 x 50 x 55 mm
34060...	Ident. No.	070	080	090	100
	Price/unit, €	●	●	●	●

Prod. Gr. 3AB

ATORN® 3D articulated measuring stand set

Holding system for small parts in the workshop

Application:
For holding objects such as light sources, circuit boards etc.

Delivery:
Articulated stand, steel base, clamp base, clamp holder with plastic jaws, extension, adapter, toping thread and open end spanner

Operation radius (mm)		200
Ø of the base (mm)		100
Max. extension (mm)		200
34060...	Ident. No.	150
	Price/unit, €	●

Prod. Gr. 3AB

ATORN® 3D articulated arms

Application:
Suitable for installation in any holder with a suitable thread

Execution:
- Mechanical, maintenance-free central clamping
- **Ident. No. 100–120:** Model series with high-quality, light metal arm components
- **Ident. No. 121–125:** µ-Line model series
- **Ident. No. 127–141:** Model series with chrome-plated arm components

Advantage:
- Simple, quick operation
- Highly flexible, exact positioning

Ident. No. 100–125

Ident. No. 127–141

Operation radius (mm)			130	200	280	204	287	330	197
Connection thread			M6	M6	M6	M6	M8	M8	M6
Connection thread 2			M6	M8	M8	M8	M8	M8	M8
34075...	light metal	Ident. No.	**100**	**110**	**120**	-	-	-	-
		Price/unit, €	●	●	●				
34075...	µ-line	Ident. No.	**121**	-	-	**122**	**123**	**125**	-
		Price/unit, €	●			●	●	●	
34075...	chromi-um-plated	Ident. No.	-	-	-	-	-	-	**127**
		Price/unit, €							●

Operation radius (mm)			288	407	453	635
Connection thread			M6	M8	M8	M8
Connection thread 2			M8	M8	M8	M10 x 1.25
34075...	light metal	Ident. No.	-	-	-	-
		Price/unit, €				
34075...	µ-line	Ident. No.	-	-	-	-
		Price/unit, €				
34075...	chromi-um-plated	Ident. No.	**128**	**129**	**131**	**141**
		Price/unit, €	●	●	●	●

Prod. Gr. 3AB

ATORN® Fine adjustment

Application:
For use with a 3D articulated arm.

Execution:
- Steel
- Combined holder for shaft diameter 8 mm and lever gauge probe with dovetail mount

- **Ident. No. 220:** For µ-line articulated measuring stands

Technical data:
- Bore diameter: 8 mm

Ident. No. 200–210

Ident. No. 220

Connection thread			M6	M8
34075...	Standard	Ident. No.	**200**	**210**
		Price/unit, €	●	●
34075...	With fine adjustment	Ident. No.	-	**220**
		Price/unit, €		●

Prod. Gr. 3AB

Source: Hahn+Kolb Werkzeuge GmbH
Technical data subject to change.
Availability subject to country specific rules and regulations.
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ATORN® Adhesive magnets/granite feet/vacuum bases

Application:
Ident. No. 300–330: For use with 3D articulated arms for optimum hold.

Ident. No. 340: For use with 3D articulated arms with sliding option.
Ident. No. 350: For use with 3D articulated arms on hard stone bases.

Ident. No. 320

Ident. No. 330

Ident. No. 340

Ident. No. 350

Connection thread		M6	M8	M8	M10 x 1.25	M8	M8
Adherence strength (N)		300	750	1000	1500	-	400
Length x width x height		36 x 30 x 35 mm	60 x 50 x 55 mm	75 x 50 x 55 mm	120 x 60 x 55 mm	150 x 120 x 50 mm	-
Ø (mm)		-	-	-	-	-	88
34075...	Ident. No.	300	310	320	330	340	350
	Price/unit, €	●	●	●	●	●	●

Prod. Gr. 3AB

Measuring stand
With guide rail

Application:
For measuring the concentricity or parallelism of workpieces. Side surfaces can be used as a stop.

Execution:
- Cast iron foot with prismatic base (fine-ground support surface and lateral faces)
- Transverse arm with fine adjustment and 8 mm diameter hole for dial gauges, precision pointers or electronic length measuring probes
- Measuring column can be moved in T-groove

Delivery:
Without dial gauge

Technical data:
- Height: 335 mm
- Measuring arm diameter: 16 mm
- Measuring arm length: 180 mm
- Base size: 250 x 60 x 35 mm

Supplied without dial gauge

34001...	Ident. No.	010
	Price/unit, €	●

Prod. Gr. 345

ORION® Small measuring stand

Application:
Ideal for use with lever gauge probes and small dial gauges.

Execution:
- Round permanent magnetic base
- Chrome-plated joint system
- Holder for 8 mm shaft diameters and dovetail mount

Delivery:
Without dial gauge

Technical data:
- Height: 155 mm
- Measuring arm diameter: 8 mm
- Measuring arm length: 60 mm
- Diameter of contact surface: 35 mm
- Adherence strength: 220 N

34130...	Ident. No.	021
	Price/unit, €	●

Prod. Gr. 3BE

ORION® Measuring stand
With magnet

Application:
Ideal for use with lever gauge probes and small dial gauges.

Execution:
- Switching magnet with prismatic base
- Holder for 8 mm shaft diameters and dovetail mount

Delivery:
Without dial gauge

Technical data:
- Height: 240 mm
- Measuring arm diameter: 12 mm
- Measuring arm length: 180 mm
- Base size: 58 x 50 x 65 mm
- Adherence strength: 650 N

34160...	Ident. No.	011
	Price/unit, €	●

Prod. Gr. 3BE

ATORN® Measuring stand
With magnet

Application:
Ideal for use with lever gauge probes and small dial gauges.

Execution:
- Cross joint can be rotated and swivelled through 360°
- Extremely high clamping force in the joints
- Holder for 8 mm shaft diameters and dovetail mount
- Switching magnet with prismatic base
- Micro-fine adjustment

Delivery:
Without dial gauge

Technical data:
- Height: 285 mm
- Measuring arm diameter: 16 mm
- Measuring arm length: 180 mm
- Base size: 70 x 46 x 65 mm
- Adherence strength: 600 N

34165...		Ident. No.	010
		Price/unit, €	●

Prod. Gr. 3AB

Measuring stand
With magnet

Application:
Ideal for use with lever gauge probes and small dial gauges.

Execution:
- Switching magnet with prismatic base
- Holder for 8 mm shaft diameters and dovetail mount

Delivery:
Without dial gauge

Technical data:
- Height: 285 mm
- Measuring arm diameter: 16 mm
- Measuring arm length: 180 mm
- Base size: 70 x 46 x 65 mm
- Adherence strength: 600 N

Supplied without dial gauge

34170...		Ident. No.	010
		Price/unit, €	●

Prod. Gr. 345

Accessories and spare parts
for measuring stand 34170010

34172...	Magnetic base 70 x 45 x 65 mm with M10 thread	Ident. No.	010
		Price/unit, €	●
34173...	Complete transverse holder with cross piece	Ident. No.	010
		Price/unit, €	●

Prod. Gr. 345

ATORN® Measuring stand
Flexible column

Application:
For measuring in hard-to-reach places.

Execution:
- Switching magnet with prismatic base
- Holder for 8 mm shaft diameters and dovetail mount
- Central clamping using eccentric clamping lever
- Fine adjustment

Delivery:
Without dial gauge

Technical data:
- Height: 380 mm
- Measuring arm diameter: 17 mm
- Measuring arm length: 300 mm
- Base size: 70 x 46 x 65 mm
- Adherence strength: 500 N

34185...		Ident. No.	010
		Price/unit, €	●

Prod. Gr. 3AB

ORION® Small measuring tables

Execution:
- Hardened, ground and lapped table
- Hardened and ground column
- Mount for dial gauges and precision pointers diameter 8 mm
- **No. 34250:** Round table permanently mounted on cast iron base, with rigid arm, without fine adjustment
- **No. 34270:** Table surface with dust grooves, cross arm horizontally adjustable, without fine adjustment

Technical data:
- Suitable for shaft diameter: 8 mm

No. 34250

No. 34270

Source: Hahn+Kolb Werkzeuge GmbH
Technical data subject to change.
Availability subject to country specific rules and regulations.
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Measuring table size		-	68 x 60 x 150	115 x 98 x 150
Measuring table Ø (mm)		50	-	-
Max. measurement height (mm)		100	150	150
Height (mm)		210	260	290
Pillar Ø (mm)		22	22	28
Overhang (mm)		49	90	130
Flatness tolerance (µm)		2	2	4
34250...	Ident. No.	**100**	-	-
	Price/unit, €	●		
34270...	Ident. No.	-	**100**	**200**
	Price/unit, €		●	●

Prod. Gr. 3BE

ORION® Small measuring table
with threaded spindle

Execution:
- Table adjustably mounted on 3 points, flatness tolerance of table surface 3 µm
- Hardened and ground column with thread and setting ring for exact height positioning of measuring arm
- Mount for dial gauges and precision pointers diameter 8 mm

Technical data:
- Height: 300 mm
- Pillar diameter: 35 mm
- Suitable for shaft diameter: 8 mm
- Overhang: 85 mm
- Flatness tolerance: 3 µm

Ident. No. 011

Measuring table size		100 x 100 x 140	95 x 95 x 150
Max. measurement height (mm)		140	150
34272...	Ident. No.	**011**	**021**
	Price/unit, €	●	●

Prod. Gr. 3BE

ATORN® Universal measuring table made from hard stone (DIN 876-1)
with 3D articulated arm

Application:
For positioning components requiring a high-precision base.

Execution:
- M8 measuring table insert nut
- Holder for 8 mm shaft diameters and dovetail mount
- articulated arm with operating radius of 285 mm

	Measuring table size	Adapter Ø (mm)	Overhang (mm)		
34310...	400 x 250 x 50	8	285	Ident. No.	**100**
				Price/unit, €	●
34310...	400 x 400 x 50	8	375	Ident. No.	**105**
				Price/unit, €	●

Prod. Gr. 340

ATORN® Precision measuring tables made from hard stone (DIN 876-1)

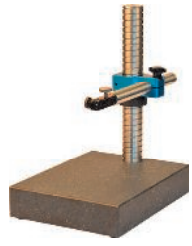
Application:
For positioning components requiring a high-precision base.

Execution:
- **Ident. No. 110–115, 125–135:**
  - post made from chrome steel
  - holder for 8 mm shaft diameter
- **Ident. No. 120:**
  - Post made from chrome steel
  - Holder for 8 mm shaft diameter
- **Ident. No. 120, 130–135:** with quick thread
- **Ident. No. 135:** With fine adjustment

Ident. No. 110

Ident. No. 115

Ident. No. 120



Ident. No. 130

		Measuring table size	Max. measurement height (mm)	Adapter Ø (mm)	Overhang (mm)		
34310...	Rigid arm	200 x 100 x 50	180	8	60	Ident. No.	**110**
						Price/unit, €	●
34310...	Rigid arm	250 x 200 x 50	210	8	120	Ident. No.	**115**
						Price/unit, €	●
34310...	with rigid arm	250 x 200 x 50	210	8	120	Ident. No.	**120**
						Price/unit, €	●
34310...	movable transverse arm	250 x 200 x 50	230	8	200	Ident. No.	**130**
						Price/unit, €	●
34310...	movable transverse arm	250 x 200 x 50	230	8	120	Ident. No.	**125**
						Price/unit, €	●
34310...	with rigid arm	250 x 200 x 50	230	8	200	Ident. No.	**135**
						Price/unit, €	●

Prod. Gr. 340

ORION® Measuring tables
made of hard stone

Application:
For positioning components requiring a high-precision base.

Execution:
- Hard chrome-plated column with adjusting thread and adjusting ring for precise height setting
- Holder for 8 mm shaft diameters and dovetail mount
- **No. 34310:** Rigid arm
- **No. 34312:** Parallel fine adjustment
- **No. 34314:** Movable transverse arm

No. 34310

No. 34312

No. 34314

	Measuring table size	Flatness tolerance (µm)	Max. measurement height (mm)	Height (mm)	Adapter Ø (mm)		
34310...	240 x 140 x 50	3	130	280	8	Ident. No. Price/unit, €	**010** ●
34310...	300 x 210 x 60	3	200	360	8	Ident. No. Price/unit, €	**020** ○
34310...	400 x 300 x 70	3	260	450	8	Ident. No. Price/unit, €	**030** (○)+
34312...	240 x 140 x 50	3	135	280	8	Ident. No. Price/unit, €	**010** ●
34312...	300 x 210 x 60	3	235	360	8	Ident. No. Price/unit, €	**020** ●
34312...	400 x 300 x 70	3	265	450	8	Ident. No. Price/unit, €	**030** (○)+
34314...	240 x 140 x 50	3	165	280	8	Ident. No. Price/unit, €	**010** ●
34314...	300 x 210 x 60	3	260	360	8	Ident. No. Price/unit, €	**020** ●
34314...	400 x 300 x 70	3	300	450	8	Ident. No. Price/unit, €	**030** ●+

Prod. Gr. 3BE

Measuring table
Made of natural hard stone

Application:
For positioning components requiring a high-precision base.

Execution:
- post diameter 18mm
- cross joint with locking screw
- movable transverse arm with fine adjustment, diameter 16mm
- location hole for display units or electronic length-measuring probes with shaft diameter of 8mm

Delivery:
Without precision pointer, with test report

	Measuring table size	Flatness tolerance (µm)	Adapter Ø (mm)	Overhang (mm)	Pillar Ø (mm)		
34295...	300 x 200 x 50	2.5	8	230	18	Ident. No. Price/unit, €	**011** ●+

Prod. Gr. 341

Supplied without precision pointer

ORION® Dividers

Application:
For marking dimension lines, e.g. for hole circles.

Execution:
- Rivet hinge, forged
- Three-part milled joint
- Finely ground, hardened tips
- With wing

Length (mm)		150	200	250	300	500
35003...	Ident. No. Price/unit, €	**015** ●	**020** ●	**025** ●	**030** ●	**050** ●

Prod. Gr. 3BG

Source: Hahn+Kolb Werkzeuge GmbH
Technical data subject to change.
Availability subject to country specific rules and regulations.
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