

Precision clamping tools

Miniature clamping tools for clamping of small products. Very well suited for measuring for example with roughness testers, microscopes or measuring machines.

Precision vises

- Accuracy (parallelism, flatness and squareness): 0.02 mm.
- 856.081: brass, matt chrome-plated; 856.082 and 856.083: aluminum, matt anodized.
- Standard supplied with 2 pairs of jaws (hardened stainless steel and plastic): 1 side with a ground horizontal and vertical prism and 1 flat side.
- 856.081 and 856.082: provided with 2 x M4 threaded bores with center distances 42 and 62.5 mm; 856.083: provided with 2 x M6 threaded bores with center distance approx. 83 mm.

Clamp jaw sets

Sets consisting of 1 pair plastic jaws, 1 pair with stepped jaws and 1 jaw with a stopper in the horizontal prism.

Base plates

For mounting of the precision vises using a central M6 threaded bore.



Item No.	Jaw opening mm	Jaw width mm	Jaw depth mm	Length mm	Weight kg	Price EUR
856.081	14	15	8	50	0.075	
856.082	23	25	15	75	0.16	
856.083	32	35	21	100	0.4	

Options

Item No.	Description	Price EUR
Clamp jaw sets:		
856.084	For 856.081	
856.085	For 856.082	
856.086	For 856.083	
Base plates:		
856.087	For 856.081	
856.088	For 856.082	
856.089	For 856.083	



NEW



Indexable collet

- Clamping range: 0.4 - 6 mm.
- Per approx. 45 degrees indexable.
- Aluminum, blasted.

- Mounting by means of two M6 threaded bores on the bottom-side.



Item No.	Clamping range mm	Dimensions l x w x h/mm	Price EUR
856.090	0.4 - 3.5	26 x 21 x 34	
856.091	1.2 - 6	26 x 26 x 39	

NEW

Precision vises

Hardened precision vises for accurate measurements and machine operations.

- Accuracy (parallelism, flatness and squareness):
 ≤100 mm jaw opening = 0.005 mm,
 >100 mm jaw opening = 0.005 mm per 100 mm.
- With horizontally and vertically ground prism in the moveable jaw.

Precision and universal sine vises

- Stable and accurate to fix in each angle position (0 to 45°).

Universal precision vise

- With 360° rotatable base.
- Accurate degree scale.
- Stable and accurate to fix in each angle position (0 to 45°).



909.734



909.739



909.746



909.749



909.752



Item No.	Jaw opening mm	Jaw width mm	Jaw depth mm	Length mm	Price EUR
Precision vises:					
909.733	60	50	25	150	
909.734	80	75	35	200	
909.735	120	100	45	250	
909.736	155	125	50	300	
909.737	25	25	10	65	
909.738	65	50	25	140	
909.739	100	75	35	190	
909.740	120	100	45	240	
909.741	155	125	50	280	
Precision sine vises with swivelling front axis:					
909.742	60	50	25	140	
909.743	100	75	35	190	
909.744	120	100	45	250	
Precision sine vises with swivelling rear axis:					
909.745	60	50	25	140	
909.746	100	75	35	190	
909.747	120	100	45	250	
Universal sine vises:					
909.748	60	50	25	140	
909.749	100	75	35	200	
909.750	120	100	45	250	
909.751	155	125	50	300	
Universal precision vise:					
909.752	80	70	30	-	



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Modular precision vises

Hardened precision vises for fixation for various machine operations.

- With or without 90° rotatable base.
- Accuracy (parallelism, flatness and squareness):
 - ≤ 100 mm jaw opening = 0.005 mm,
 - > 100 mm jaw opening = 0.005 mm per 100 mm.
- Also available:
 - intermediate sizes with other jaw depths and jaw openings,
 - larger models with jaw width 200 or 300 mm and jaw opening up to 600 mm.



909.702



909.706



Jaw opening mm	Jaw width mm	Jaw depth mm	Length mm	Without rotatable base		With rotatable base	
				Item No.	Price EUR	Item No.	Price EUR
100	100	30	270	909.702		909.706	
150	125	40	345	909.703		909.707	
200	150	50	420	909.704		909.708	
400	175	60	655	909.705		909.709	



Long modular vises

Long hardened vises for fixation for various machine operations.

- Single or two-sided model.
- Also available:
 - intermediate sizes with other jaw depths and jaw openings,
 - larger models with jaw width 200 mm and jaw opening up to 700 mm (single) or 250 mm (two-sided).



909.710



909.714



Jaw width mm	Jaw depth mm	Length mm	Single		Two-sided	
			Item No.	Jaw opening/mm Price EUR	Item No.	Jaw opening/mm Price EUR
100	30	460	909.710	290	909.714	90
125	40	520	909.711	320	909.715	100
150	50	580	909.712	360	–	–
150	50	680	–	–	909.716	160
175	60	866	909.713	600	909.717	220

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Short modular vises

Short hardened vises for fixation for various machine operations.

- With fixed jaw, fixed double jaw or moveable jaw.



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909.728



909.718



Jaw width mm	Jaw depth mm	Length mm	Height mm	Fixed jaw		Fixed double jaw		Moveable jaw	
				Item No.	Price EUR	Item No.	Price EUR	Item No.	Price EUR
100	30	140	65	909.723		909.728		909.718	
125	40	160	80	909.724		909.729		909.719	
150	50	230	100	909.725		909.730		909.720	
175	60	240	118	909.726		909.731		909.721	
200	65	300	135	909.727		909.732		909.722	

Precision sine plates

- Stable and accurate to fix in each angle position (0 to 45°).

Precision sine plates

- Accuracy (parallelism and squareness):
 ≤ 100 mm dimension l or $w = 0.005$ mm,
 > 100 mm dimension l or $w = 0.005$ mm per 100 mm.
- Mounting hole pattern 909.690: 13x M5,
 909.691: 23x M5.



Magnetic precision sine plates

Permanently magnetic sine plates for positioning and holding small or odd-shaped workpieces.

- Center distance of the support cylinders:
 909.692: 76 mm,
 909.693: 127 mm.



909.690



909.692

Item No.	Dimensions/mm	Price EUR
Precision sine plates:		
909.690	100 x 100 x 50	
909.691	152 x 152 x 57	
Magnetic precision sine plates:		
909.692	100 x 100 x 117	
909.693	152 x 152 x 117	

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