



General Catalog

Unlocking the full potential
of your machines

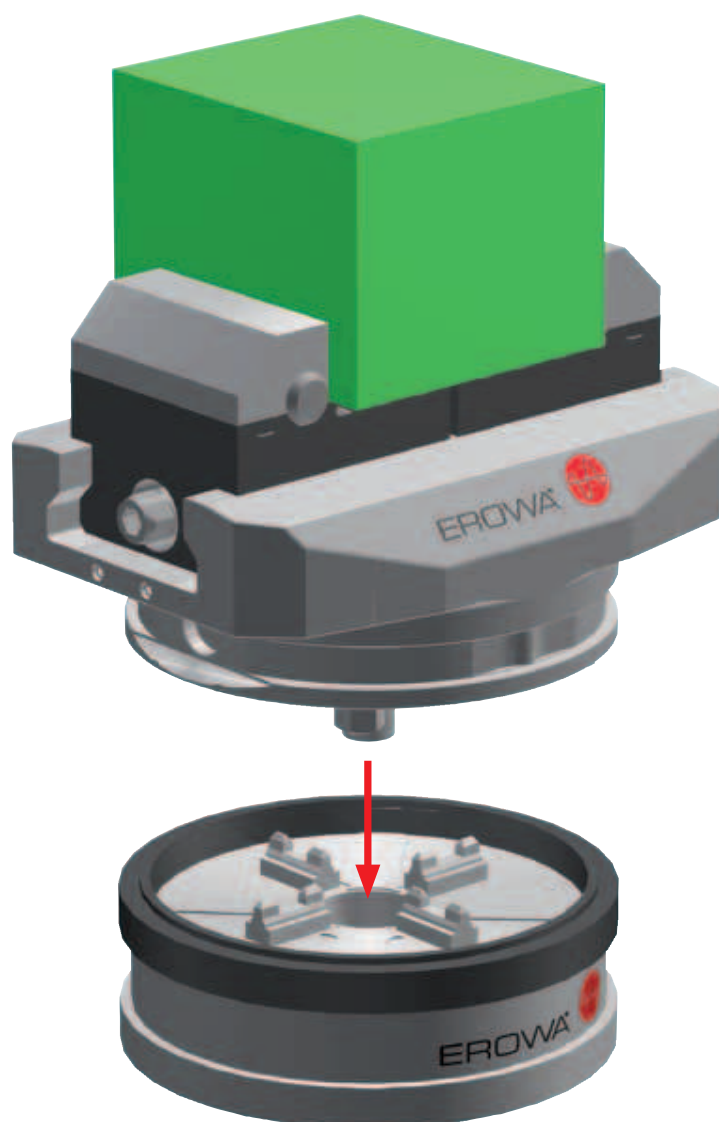


EROWA Self Centering Vise

Secure and flexible clamping

For producing workpieces as completely as possible and economically, 5-sided machining in one setup offers great benefits. The downtimes are significantly reduced and errors during reclamping are avoided.

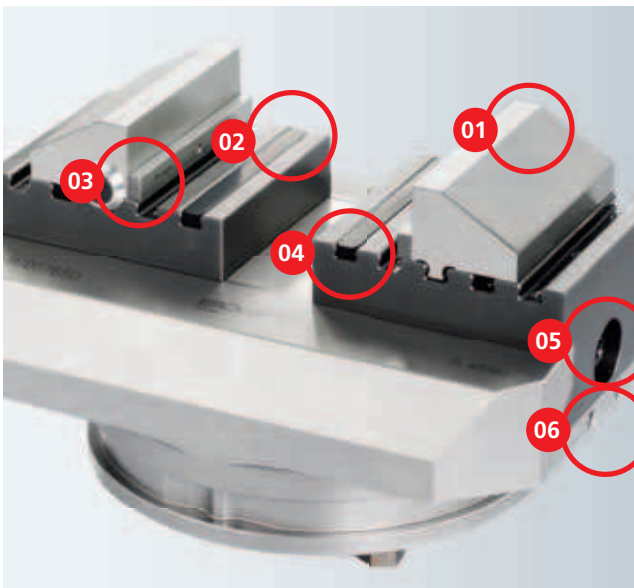
The EROWA Self Centering Vise is the precise and flexible interface between the workpiece and the machine.



- The pallet and vise body of the self-centering vise are made of one piece. But, the center of the vise can still be adjusted.
- The entire body of the self-centering vise is manufactured from rust-resistant hardened steel.
- In addition, the slide and the spindle have a high-tech coating and are wear-free.
- The spindle is sealed and protected against contamination.
- Wide selection of jaws.
- Two different sizes (85 + 148).
- Depending on size, the EROWA self-centering vise is also available with an integrated EROWA G pallet or without a pallet for direct mounting on an EROWA pallet or machine table.

Applications**Handling**

Manual / Loading facility / Robot

Function**01 | Jaws**

Various types of jaws can be changed quickly without tools

02 | Dirt covers

Dirt covers for grid grooves and high-precision spindle

03 | Pads

Various pads

04 | Grid

15 mm grid for jaw positioning

05 | Operation

Double-sided clamping and unclamping

06 | Center

Center adjustment

Technical Data - Self Centering Vise

	Self Centering Vise 148	Self Centering Vise 85
Clamping force at 60 Nm	19,000 N	
Clamping force at 35 Nm		14,000 N
Repeatability	0.01 mm	0.01 mm
Clamping stroke of spindle	30 mm	30 mm
Opening width	5-155 mm	5-95 mm
Contact spacing of jaw positioning	15 mm	15 mm
Clamping mechanism	maintenance-free	maintenance-free
Material	hardened, rust-resistant	hardened, rust-proof
Compatibility with EROWA tooling (depending on model)	ITS, PowerChuck P, PC210 Combi, MTS Single Chuck	ITS, PowerChuck P, PM85
Options	- different jaws, - dust cover for profiles - pads in various heights - clamping pin for ITS or MTS - torque wrench	- different jaws, - dust cover for profiles - pads in various heights - clamping pin for ITS - torque wrench

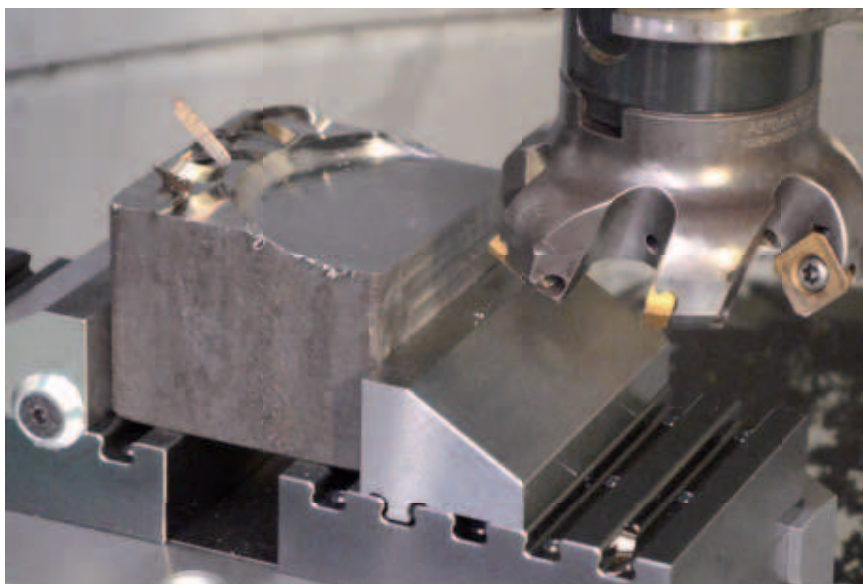
EROWA Self Centering Vise in action

Precise and protected clamping

Wherever good access, high holding power and variable clamping is required, the self-centering vise is the first choice.

CHANGE WITH SYSTEM

Replacing jaws without tools.



All moving parts of the self centering vise are protected.



Also suitable for heavy cutting operations: The Self Centering Vise 148 holds workpieces in position with 19,000 N. Selecting the appropriate jaws adds even more stability.



The grooves are protected by covers against pollution.



Simple means fast – changing jaws in no time and without any tools.



Securely clamped and well accessible from all sides.



No matter how many chips, the Self Centering Vise remains clean at crucial points such as the spindle and guides.



The Self Centering Vise 148 is made of rust-resistant material. All components are hardened. Highly stressed parts are specially surface-coated for increased durability.



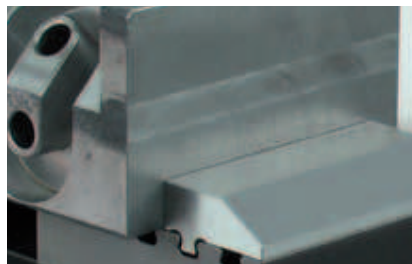
A few manual steps – and the workpiece is positioned in the Self Centering Vise.



Wholly made of one piece. Self Centering Vise P 148 with utmost stability.



The SlipStop® surface prevents unhardened workpieces from slipping. The holding force is more than doubled.



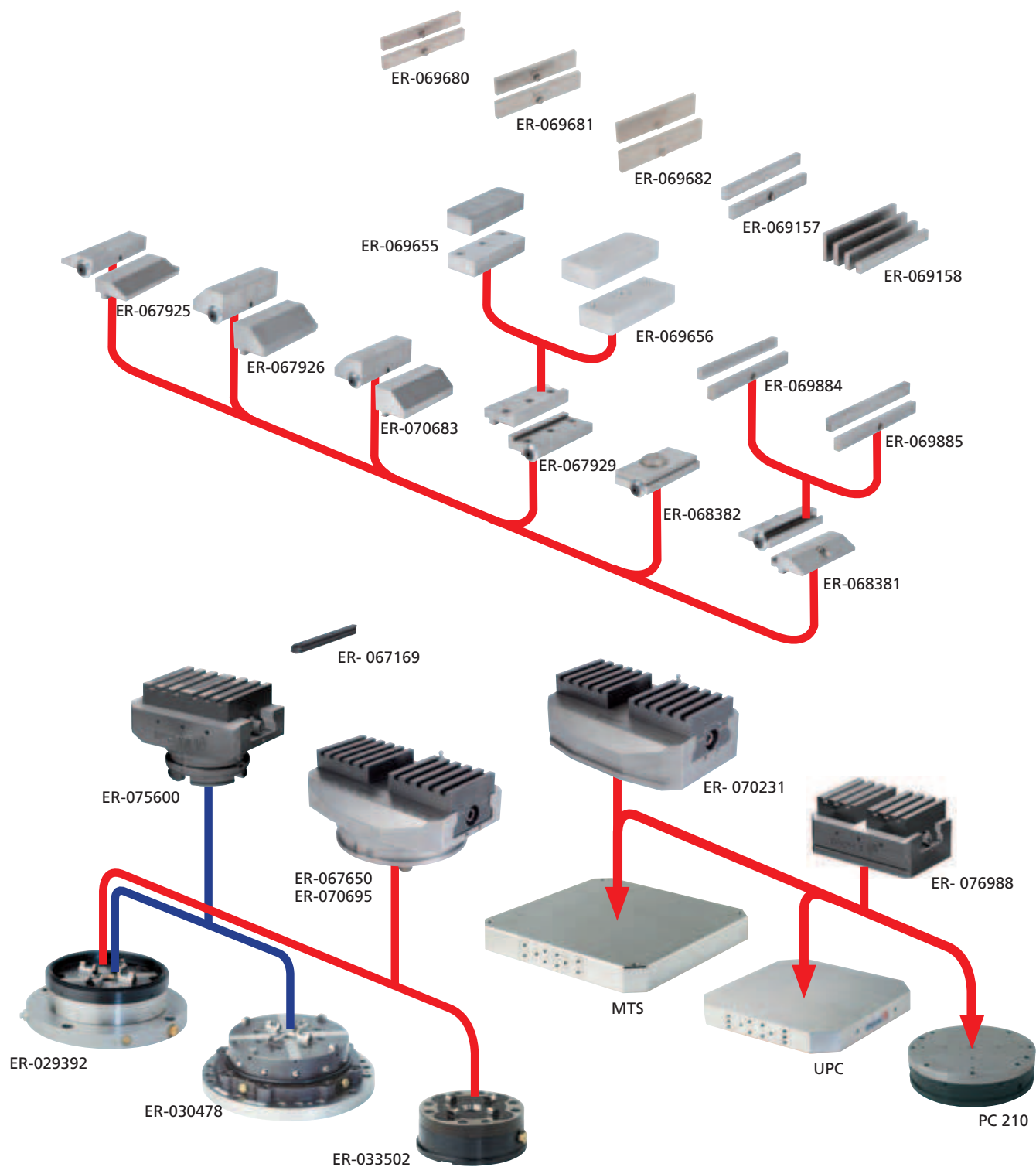
Despite its small and compact design, the Self Centering Vise 85 P is also ideally suitable for clamping large workpieces.



















The Self Centering Vises fit perfectly in the magazines of EROWA robots. Contact us for more information on EROWA automation solutions.

EROWA Self Centering Vise

The components



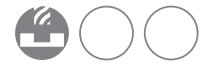
To make it easier for you to find your way about the fields of application for EROWA products, we use the following symbols in all our documents:


-  1. Manual operation
-  2. Operate with compressed air jet
-  3. Operate with manual valve
-  4. Operate with manual control unit
-  5. Operate with electro-pneumatic control unit
-  6. With central flushing clearance
-  7. Suited for submerged operation
-  8. Corrosion-resistant material
-  9. Suited for automatic operation
-  10. Handling with EROWA Robot gripper S
-  11. Handling with EROWA Combi gripper
-  12. Handling with EROWA Robot gripper 72
-  13. Handling with EROWA Robot gripper 115
-  14. Handling with EROWA Robot gripper 148
-  15. Handling with EROWA gripper RN PC 210
-  16. Handling with EROWA RCS gripper

EROWA SELF CENTERING VISE

Self Centering Vise 98

Self Centering Vise auxiliary equipment 99



 For chip-removing processes

 For EDM sinking

 For WEDM

EROWA Self Centering Vise

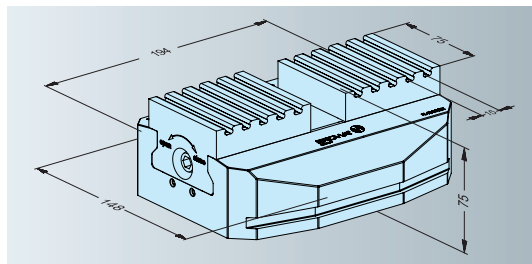
Self Centering Vise

	Self Centering Vise 148	Self Centering Vise 85
Clamping force at 60 Nm (35 Nm by Typ 85)	19,000 N	14,000 N
Repeatability	0.01 mm	0.01 mm
Clamping stroke of spindle	30 mm	30 mm
Opening width	5-55 mm	5-95 mm
Contact spacing of jaw positioning	15 mm	15 mm

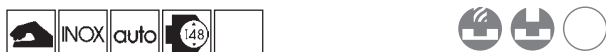
ER-070231 Self Centering Vise 148 without pallet



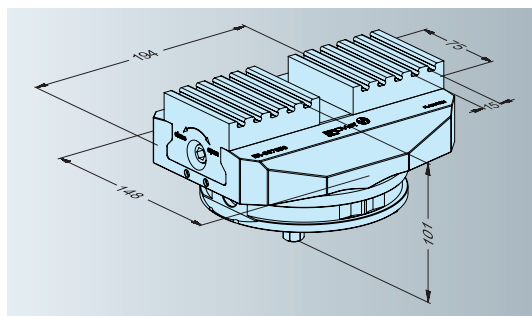
Version Self Centering Vise 148 P/i, including lateral stop.
 Accessories Various jaws, torque wrenches etc.
 Application To clamp workpieces. Mounting on pallets.
 Mounting directly on the machine table.



ER-067650 Self Centering Vise 148 P



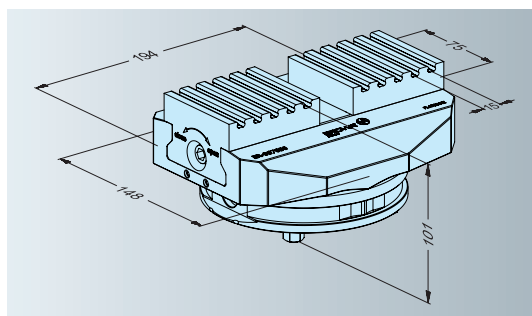
Version Self Centering Vise 148 P, including lateral stop.
 Optional Chucking spigot F/M Production ER-010742 or MTS chucking spigot P ER-040999.
 Accessories Various jaws, torque wrenches etc.
 Application To clamp workpieces. For use on PC 210 Combi, PowerChuck P, MTS SingleChuck.



ER-070695 Self Centering Vise 148 G



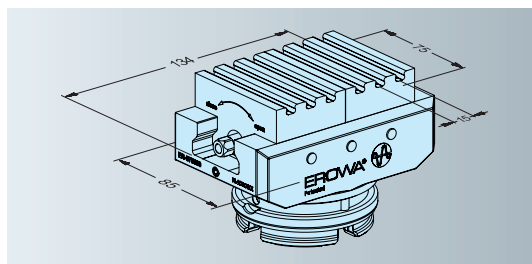
Version Self Centering Vise 148 G, including lateral stop.
 Optional Chucking spigot F/M Production ER-010742.
 Accessories Various jaws, torque wrenches etc.
 Application To clamp workpieces. For use on PC 210 Combi, PowerChuck P & F, UPC with ITS.



ER-075600 Self Centering Vise 85 P



Version Stainless material, hardened and ground. Pallet fully integrated.
 Application On milling and grinding machines.
 Note Compatible with EROWA tooling systems: ITS, PM85, PowerChuck P.



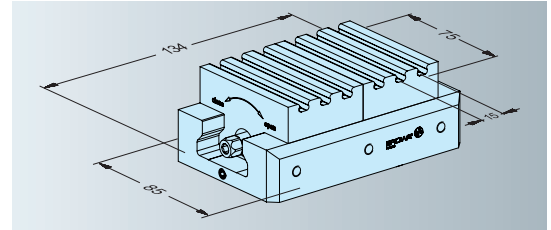
EROWA Self Centering Vise

Auxiliary equipment

ER-076988 Self Centering Vise 85 without pallet



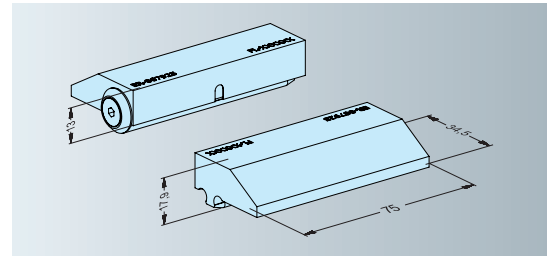
Version Stainless material, hardened and ground.
 Accessories Various jaws, torque wrenches etc.
 Application To clamp workpieces. To be mounted on pallets or directly on the machine table.



ER-067925 Jaws 13 mm (1 pair) for Self Centering Vise



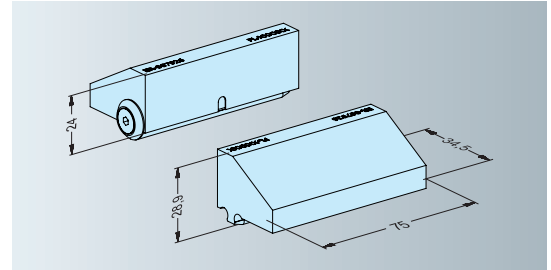
Version Steel, hardened and ground; height: 13 mm.
 Note Supplied in pairs.
 Application To clamp workpieces with machined surfaces.



ER-067926 Jaws 24 mm (1 pair) for Self Centering Vise



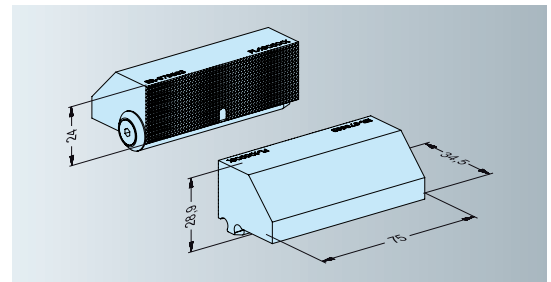
Version Steel, hardened and ground; height: 24 mm.
 Note Supplied in pairs.
 Application To clamp workpieces with machined surfaces.



ER-070683 Jaws 24 mm grip (1 pair) Self Centering Vise



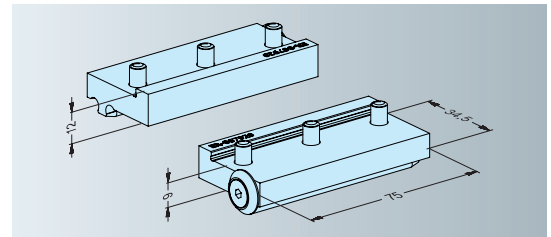
Version Steel, hardened and ground; height: 24 mm; with grip contours.
 Note Supplied in pairs.
 Application Ideal to clamp unhardened workpieces.



ER-067929 Adapters for interchangeable jaws (1 pair) for Self Centering Vise



Application Steel, hardened and ground, with attachment bolts.
 Note Supplied in pairs.
 Application To accommodate customized interchangeable jaws of your choice.



EROWA Self Centering Vise

Auxiliary equipment

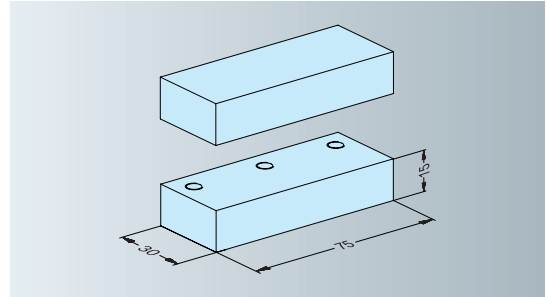
ER-069655 Interchangeable jaws steel unhardened 1 pair, to fit adapter ER-067929



Version Steel, unhardened, dimensions: 75 x 30 x 15 mm, including attachment boreholes, fully prepared.

Note To fit adapter ER-067929.

Application To produce jaws with contours of your choice.



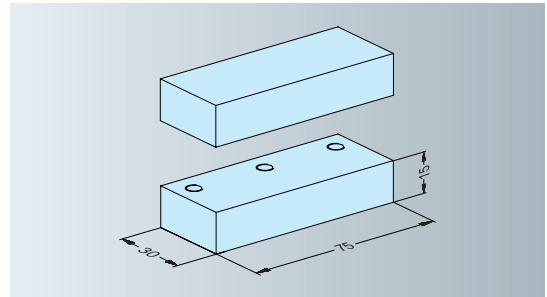
ER-069656 Interchangeable jaws Alu 1 pair, to adapter ER-067929



Version Aluminum, dimensions: 75 x 30 x 15 mm, including attachment boreholes, fully prepared.

Note To fit adapter ER-067929.

Application To produce jaws with contours of your choice.



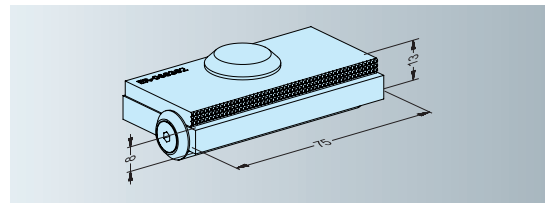
ER-068382 Pendulum jaw 1 piece, for Self Centering Vise



Version 1 piece hardened, ground jaw with pendulum compensation for oblique workpieces.

Application To clamp workpieces with oblique outer surfaces.

To fit Insert.



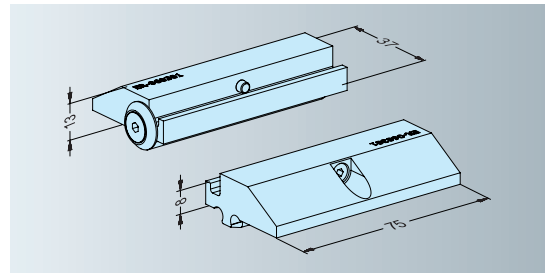
ER-068381 Adapter 5 mm for SlipStop® jaw inserts 1 pair, for Self Centering Vise



Version Steel, hardened and ground. With fixing screw for inserts, clamping height 5 mm.

Note Delivered in pairs.

Application To accommodate SlipStop® inserts ER-069884 and ER-069885.



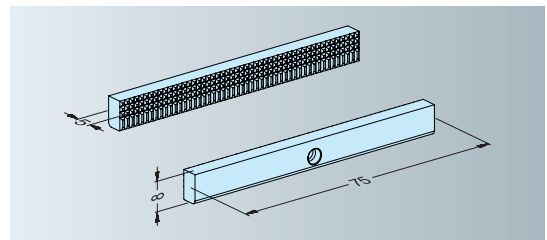
ER-069884 SlipStop® insert, riffled 1 pair, for adapter ER-068381



Version Steel, hardened and ground, height: 24 mm, with riffled contour.

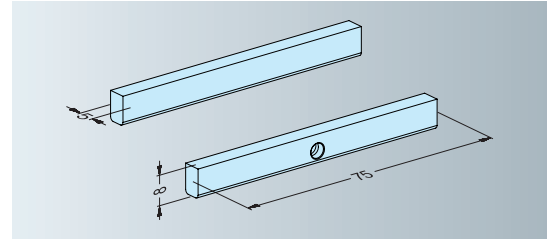
Note Supplied in pairs.

Application To clamp workpieces with machined surfaces.

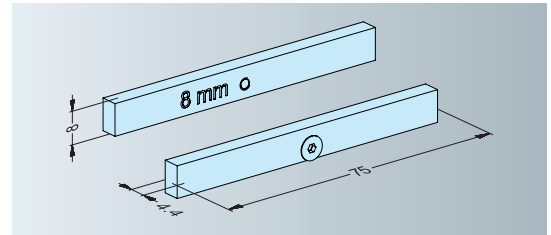


**ER-069885 SlipStop® insert, grinded
1 pair, for adapter ER-068381**

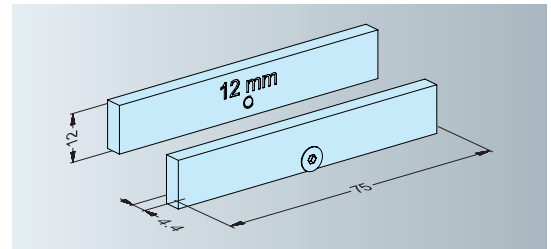
Version Steel hardened and ground.
 Note Delivered in pairs.
 Application Suitable for Adapter ER-068381. Ideal for the clamping of ground workpieces.

**ER-068157 Spacers 8 mm, 1 pair
for Self Centering Vise**

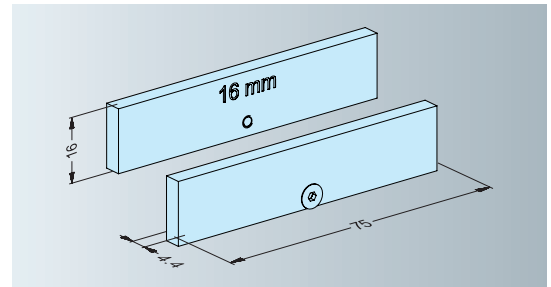
Version 1 pair of hardened, ground supports.
 Application For the optimal positioning of workpieces at the correct height on the Self Centering Vise.
 To fit Insert in the jaws, the insert jaws with the supports into the profile.

**ER-069680 Spacers 12 mm, 1 pair
for Self Centering Vise**

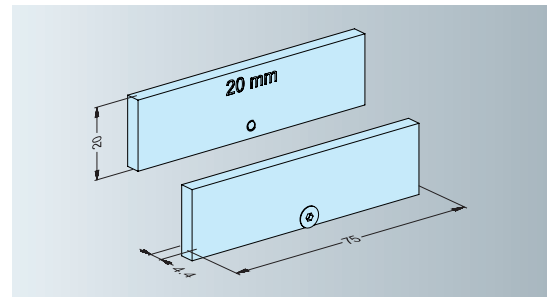
Version 1 pair of hardened, ground supports.
 Application For the optimal positioning of workpieces at the correct height on the Self Centering Vise.
 To fit Insert in the jaws, the insert jaws with the supports into the profile.

**ER-069681 Spacers 16 mm, 1 pair
for Self Centering Vise**

Version 1 pair of hardened, ground supports.
 Application For the optimal positioning of workpieces at the correct height on the Self Centering Vise.
 To fit Insert in the jaws, the insert jaws with the supports into the profile.

**ER-069682 Spacers 20 mm, 1 pair
for Self Centering vise**

Version 1 pair of hardened, ground supports.
 Application For the optimal positioning of workpieces at the correct height on the Self Centering Vise.
 To fit Insert in the jaws, the insert jaws with the supports into the profile.



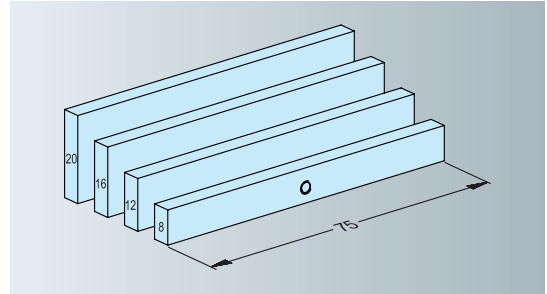
EROWA Self Centering Vise

Auxiliary equipment

ER-068158 Spacer set (4 pairs) for Self Centering vise



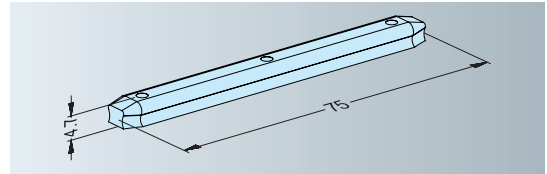
Version Set of ground supports, heights 8, 12, 16 and 20 mm.
 Application Support for the height positioning of workpieces.
 Mounting Insert the support into the groove of the jaw with the help of the holding device.



ER-067169 Chip cover for Self Centering Vise



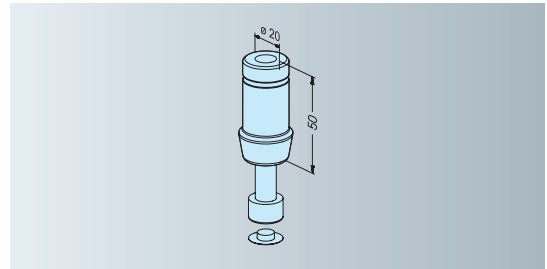
Version 1 plastic cover.
 Application To protect the empty profile inserts at the base of the Self Centering Vise.
 To fit Insert.



ER-040999 MTS chucking spigot P



Version One chucking spigot, including attachment bolt and protective cap.
 Application For the conversion of ITS pallet \varnothing 148 ER-041912 into MTS pallet P \varnothing 148 ER-041928.



ER-010742 Chucking spigot F/M production 1 unit



Version Fixed type, manual. Bolt 12.9, without flushing hole.
 Application In pallets for chip-cutting machining processes.

