

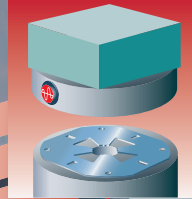
Right in the middle

Integration

Automation

Organization

Standardization



EROWA self-centering vise for 5-axis machines



EROWA®
System solutions
from one single source

Clamping in the center

Working from the center has many advantages. Programming is substantially easier if the pivot of the table is in the center of the workpiece. Machining allowances can be equally distributed on both sides. The accuracy of simultaneous milling is increased to a considerable extent. Machining access is very good. Only a small clamping surface is required to ensure a stable and reliable clamping process.



Optimally accessible for horizontal and front-side machining.



Wide range of clamping jaws, including prefabricated parts for individual remachining. Removable magnetic stop to provide free accessibility for 5-side machining.



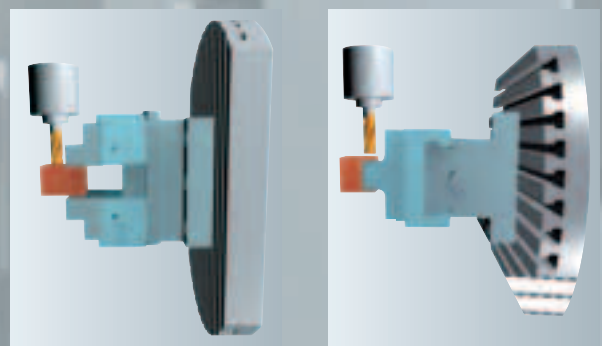
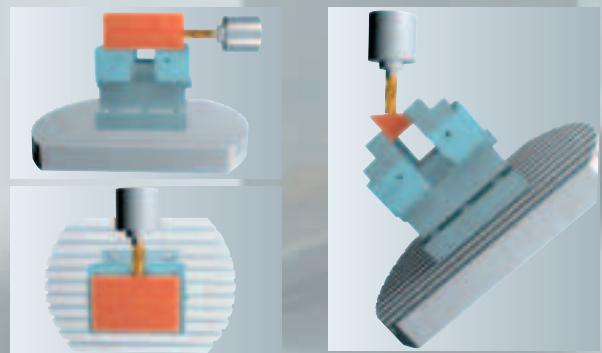
Stable clamping with minimum clamping depth.

Accessible in any position

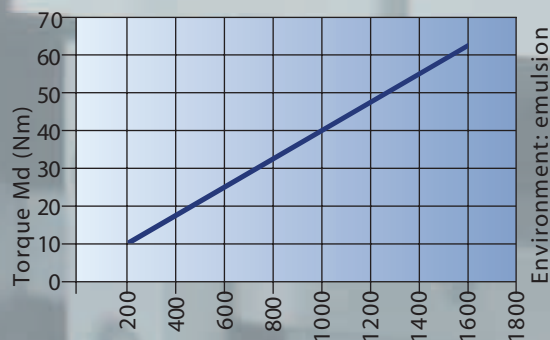
The self-centering vise will remove any obstacles in the way of your 5-axis CNC machine - even for front-side machining.



Self-centering vise adjustable on pallet.



Clamping power



Clamping power (daN)

High repeatability of the clamping power at both high and low clamping power.

EROWA self-centering vise

EROWA self-centering vise



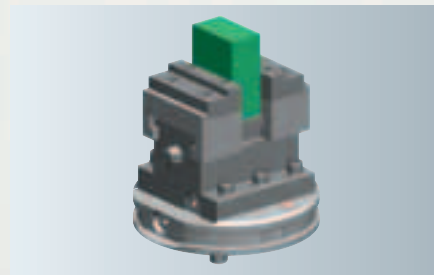
1
Standardization

Technical data

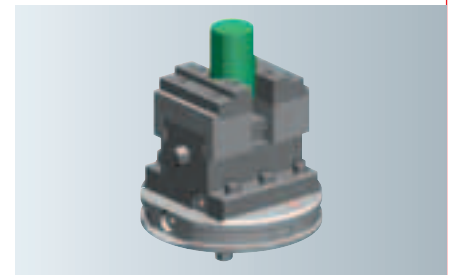
| | Change in the tooling system | Self-centering vise, type 75x100 | Self-centering vise, type 75x150 | Self-centering vise, type 75x200 |
|----------------|------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Repeatability | < 0.002 mm | < 0.01 mm | < 0.01 mm | < 0.01 mm |
| Lift | | 27.5 mm | 51 mm | 101 mm |
| Clamping range | | 27 / 95 mm | 50 / 148 mm | 100 / 198 mm |
| Clamping power | | up to 16000 N | up to 16000 N | up to 16000 N |
| Material | | hardened steel | hardened steel | hardened steel |
| EROWA pallets | | ITS ø 148 P MTS ø 148 P | PC pallet 210 | PC pallet 210 |



The clamping range can be adjusted through the suitable use of exchangeable jaws.

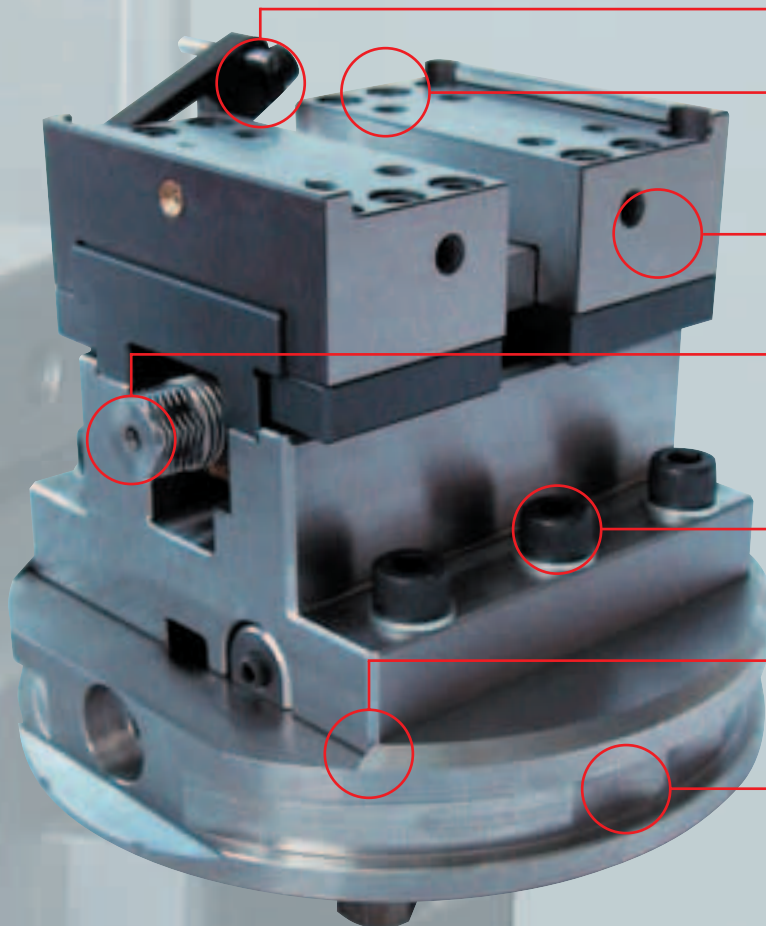


Tall workpieces are clamped as firmly as...



...round parts or workpieces with irregular contours.

Function



Adjustable lateral stop

Multifunctional clamping jaws, exchangeable

Slide with precise guide rail

Spindle with handwheel and hex socket for torque key

Friction-locked attachment to pallet

EROWA pallet with inbuilt slide seat

Gripper groove for automatic handling

EROWA self-centering vise

Favorably priced entry

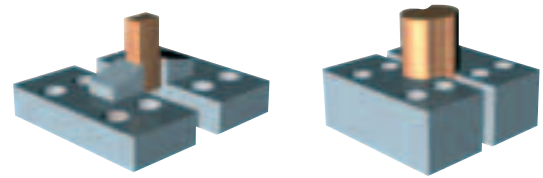
Precise structure

It is not the same whether you machine the first side of a workpiece out of a blank or whether it is about the remaining 5 sides for the final machining process.

To machine the first side of a workpiece, it is perfectly sufficient to position it within a few tenths of a millimeter. This is precisely what the favorably priced **basic** self-centering vise is for.

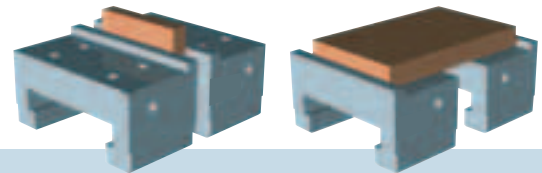
The **precisa** version is used when a hundredth of a millimeter is decisive. Hardened where sensible and ground where necessary, this self-centering vise leaves no wishes unfulfilled. The clamping center can be centered in the pallet center. This vise has been built for lasting precision and permanent operability in tough manufacturing conditions.

| Version | basic | precisa |
|--|---------|---------|
| Clamping range, 27/95 - 50/148 - 100/198 | x | x |
| Clamping power up to | 16000 N | 16000 N |
| Exchangeable accessories | Yes | Yes |
| Ground guides | Yes | Yes |
| Ground clamping jaws | Yes | Yes |
| Nitrated steel | Yes | - |
| Hardened steel | - | Yes |
| Geometrical accuracy in relation to the EROWA tooling system | 0.05 mm | 0.01 mm |
| Fitted to suitable pallet | Yes | Yes |



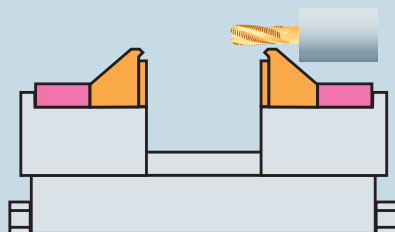
Good ideas

No matter whether form jaws, narrow jaws or jaws with clearances at the rear are involved, the specialists' good idea can always be implemented. And everything is reliably clamped in the middle, so that small machining allowances are possible.



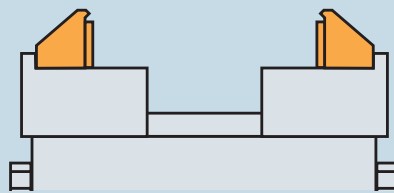
In next to no time

Small and big workpieces are clamped with the same basic body. Simply turn the jaws, and on you go.



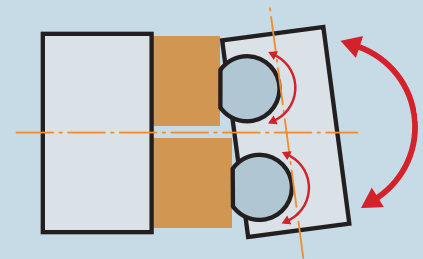
Always accessible

The soft or hard interchangeable jaws can be fitted far apart or close together - depending on the size of the workpiece - leaving enough space on all sides for the tool.



Great freedom

Regardless of the position, there is no obstacle to 5-side machining on the CNC machine.



Clamped at a slant

No matter whether cast, forged, blank or sawn-off parts have to be clamped, the pendulum jaws with the rotatable thrust pads adapt themselves. The clamping power is optimally transmitted into the workpiece. And this always happens from the center, so that small machining allowances are possible.

EROWA self-centering vise

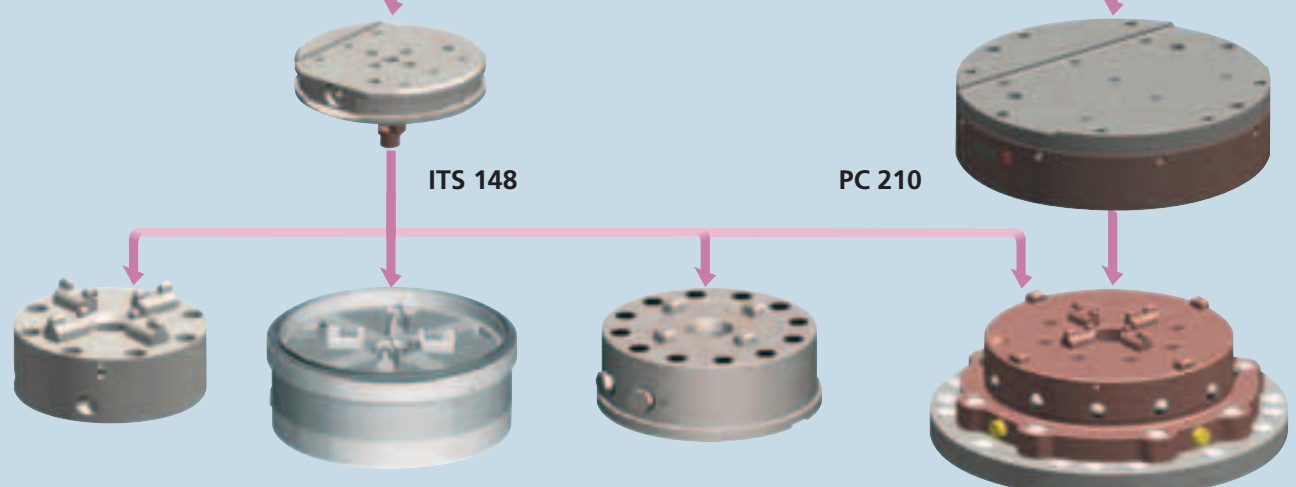
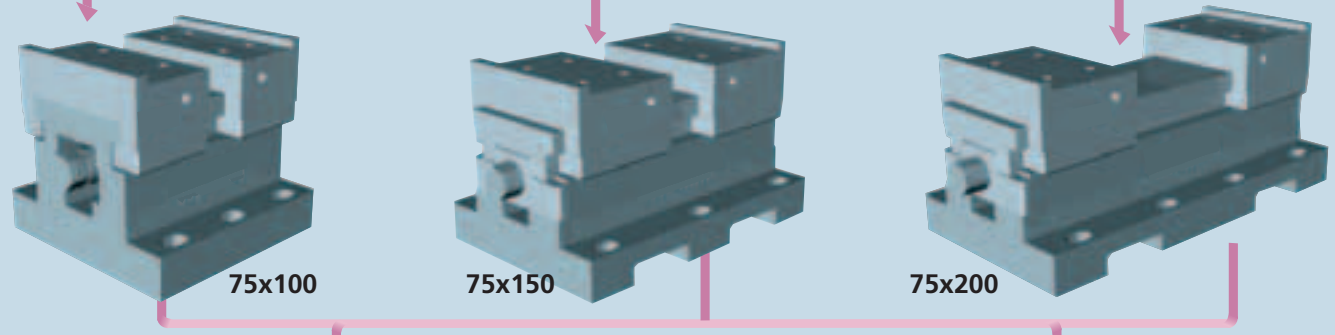


1
Standardization

- ER-047182**
Soft jaws, low,
set of 2, for self-centering vise 100
- ER-047181**
Soft jaws, high,
set of 2, for self-centering vise 100
- ER-047171**
Hard jaws, flat-ribbed,
set of 2, for self-centering vise 100
- ER-047180**
Hard jaws, pointed-ribbed,
set of 2, for self-centering vise 100
- ER-047173**
Jaws with step,
set of 2, for self-centering vise 100
- ER-048362**
Grip jaws,
set of 2, for self-centering vise 100
- ER-048364**
Lower pendulum jaw,
single unit, for self-centering vise 100
- ER-048543**
Workpiece supports, H=29.8mm, set of 2
- ER-049860**
Workpiece supports, H=24.8mm, set of 2
- ER-049867**
Workpiece supports, H=19.8mm, set of 2

- ER-047166**
Hard jaws, flat-ribbed,
set of 2, for self-centering vise 150/200
- ER-047183**
Hard jaws, pointed-ribbed,
set of 2, for self-centering vise 150/200
- ER-047184**
Soft jaws, low,
set of 2, for self-centering vise 150/200
- ER-047186**
Soft jaws, high,
set of 2, for self-centering vise 150/200
- ER-047185**
Soft jaws, high,
set of 2, for self-centering vise 150/200
- ER-047167**
Hard jaws, flat-ribbed,
set of 2, for self-centering vise 150/200
- ER-048363**
Grip jaws,
set of 2, for self-centering vise 150/200
- ER-047170**
Jaws with step,
set of 2, for self-centering vise 150/200
- ER-047168**
Double-pendulum jaw, flat-ribbed,
single unit, for self-centering vise 150/200
- ER-048365**
Lower pendulum jaw,
single unit, for self-centering vise 150/200

- ER-047172**
Ribbed jaws, flat-ribbed, set of 2,
for self-centering vise 150/200
- ER-049167**
Pointed jaws, flat, set of 2,
for self-centering vise 150/200



ER-037970 ITS Chuck 100 **ER-029391** PowerChuck P **ER-033502** MTS Chuck Single **ER-030478** ProductionCuck 210 Combi

EROWA self-centering vise

Take the next step.

Important matters require planning. And your next step is certain to be an important decision advancing your company even further. We will gladly support you during every step. You can profit from our advice and practical experience in today's modern and flexible manufacturing concepts.

Take that important next step. Contact an EROWA agency near you.

EROWA AG 047468 e/04.06

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