

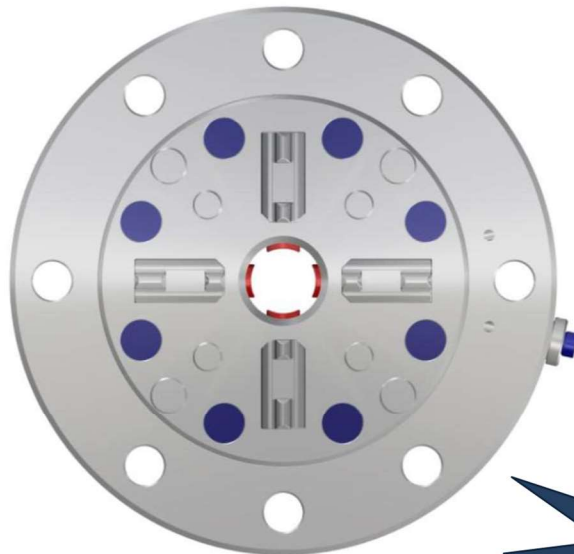
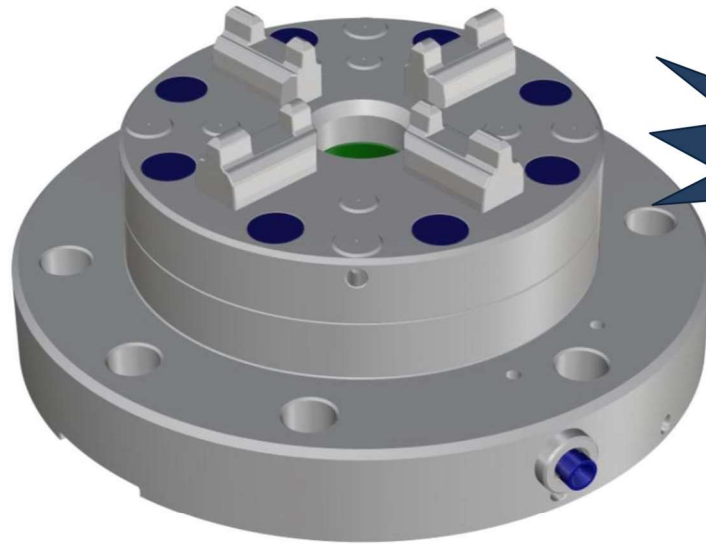
# COMPLETE CATALOGUE 2017



11/11

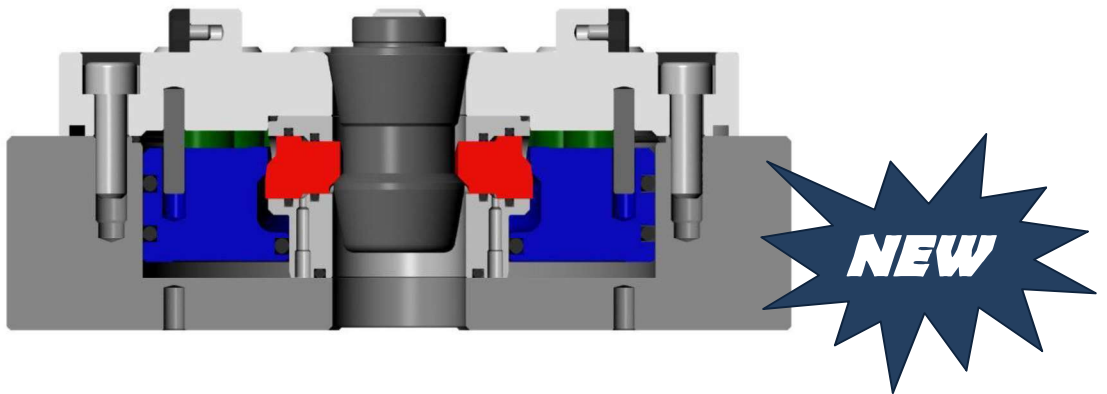
## PSE WPC100P Clamping Chuck

The automatic pneumatic table chuck is available with or without Z-support cleaning.



Technical Data WPC100P  
Repetition accuracy 0,002 mm  
Indexing 4 x 90°  
Clamping force without pressure amplification 10.000 N  
Clamping force of turbo function with opening/re-tightening and cleaning 16.000 N (6 bar)  
Clamping options, compatible with ITS®\* clamping system of Erowa AG

Machine table mountable with M12 screws, distance: 125 mm  
Dimensions: Ø 150 up to Z-support cleaning 50 mm  
Total height 64 mm  
Material rustproof, hardened to 60 HRC  
Operated by control unit or compressed air gun. The system is controllable from the base plate for use on 5-axis machining centers.



### New Clamping Mechanism

The system is completely sealed to avoid penetration of shavings or emulsions.

A seal is not necessary, but optionally available.

Our new construction has a considerably bigger rigidity as existing systems with spheres resulting in no vibrations during processing, compatible with ITS®\* clamping system of Erowa AG

Order No.: PSE-WPC100P

With Z-support cleaning

Order No.: PSE-WPC100PC



Two types of pneumatic clamping chucks are available, with and without Z-support cleaning.  
The designation of the automatic Z-support cleaning is **marked with the letter " C "** .  
A manual PM5C valve is necessary for the operation.



### WPU100D

Pneumatic clamping chuck on pallet

Machine table mountable with M10 screws, hole distance: 125 mm  
Standard control with compressed air gun  
Dimensions: 150 x 110 x 56 mm  
Clamping force: 9.000 N  
Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG  
Order No.: PSE-WPU100D

Available in Version C  
(WPU100DC)  
Order No.: PSE-WPU100DC

Accessories: manual valve PM5 or PM5C



Order No.: PSE-PM5



Order No.: PSE-PM5C

Manual valve PM5 appropriate for clamping chuck without Z-support cleaning

PM5C appropriate for pneumatic clamping chuck with Z-support cleaning



**WMC100**

Manual clamping chuck 100  
Machine table mountable with M6 screws  
Dimensions:  $\varnothing$  100 x 36 mm, compatible with ITS®\* clamping system of Erowa AG  
Material: rustproof, hardened 54 HRC  
Clamping force 10.000 N  
Max. tightening torque: 6 Nm

Remark: clamping chuck can also be delivered on pallet.

Order No.: PSE-WMC100



**WPU56D**

Pneumatic clamping chuck on pallet  
Machine table mountable with M10 screws, hole distance 80 mm  
Standard control: with compressed air gun  
Dimensions: 110 x 80 x 66 mm  
Clamping force: 4.000 N  
Material: rustproof, hardened to 54 HRC, compatible with ITS®\* clamping system of Erowa AG

Order No.: PSE-WPU56D



**WPU56DC**

Pneumatic clamping chuck with automatic Z-support cleaning  
Machine table mountable with M10 screws, hole distance: 80 mm  
Standard control with manual valve  
Dimensions: 110 x 80 x 66 mm  
Clamping force: 4.000 N  
Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG

Order No.: PSE-WPU56DC

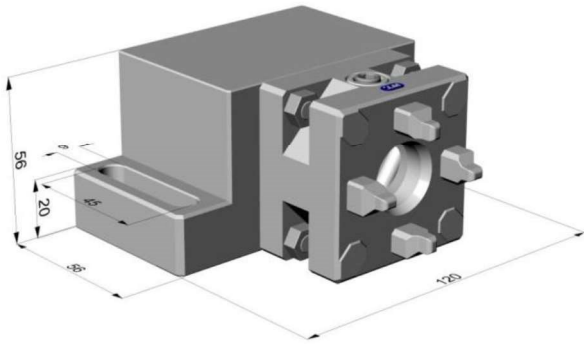
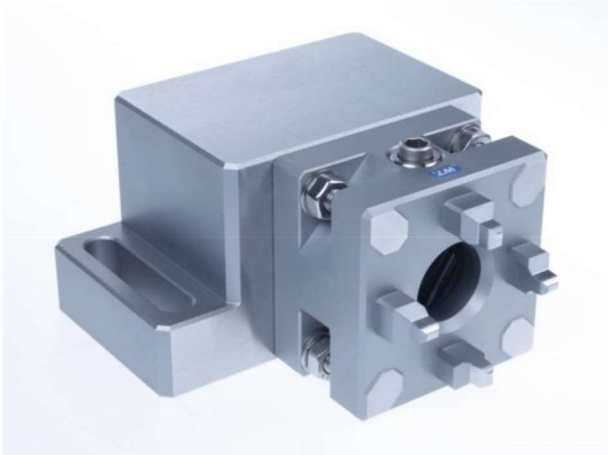


**WMC56**

Manual clamping chuck 50  
Machine table mountable with M6 screws  
Dimensions: 56 x 56 x 36 mm  
Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG  
Clamping force 6.000 N  
Max. tightening torques: 6 Nm

Order No.: PSE-WMC56

Manual clamping chuck WMC56H  
on clamping beam pallet



**WMC56H**  
on clamping beam pallet

Manual clamping chuck incl. clamping beam pallet  
Machine table mountable with M8 screws, hole distance: 100 mm  
Dimensions: 120 x 56 x 92 mm  
Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG  
Max. tightening torque: 6 Nm

Order No.: PSE-WMC56H

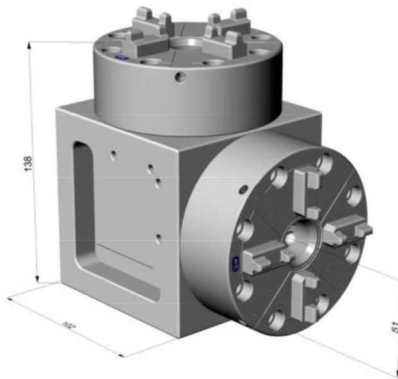
## Manual clamping chuck WMC75



**WMC75**

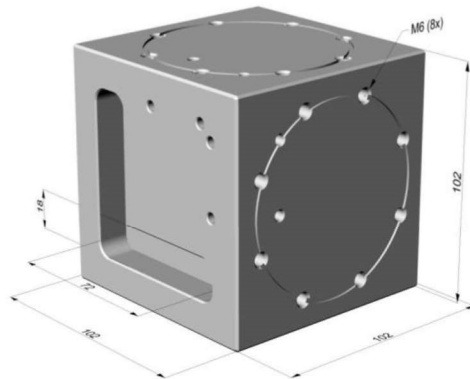
Manual clamping chuck  
Machine table mountable with M6 screws  
Dimensions:  $\varnothing$  75 x 36 mm  
Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG  
Clamping force 10.000 N  
Max. tightening torque: 6 Nm

Order No.: PSE-WMC75



**Angle block WMC100-90C**  
Angle block including 2 pieces of vertical horizontal, manual clamping chuck  
Distance of horizontal axis from base: 51 mm  
Rectangular deviation of clamping axis: 0,05/100 mm Machine  
table installation:  
Dimensions: 102 x 102 x 102 mm  
Clamping force: 2 x 10.000 N  
Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG

Order No.: PSE-WMC100-90C



**Angle block WMC100-90**

**Angle block without clamping chuck**

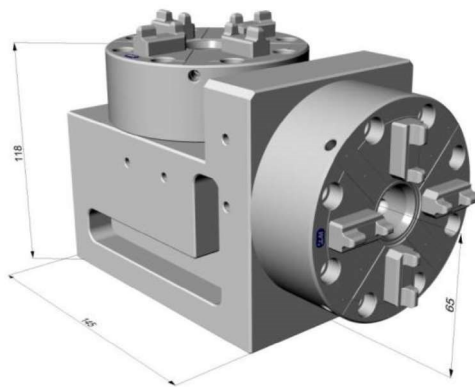
Distance of the horizontal axis from base: 51 mm Machine table installation:

Dimensions: 102 x 102 x 102 mm

Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG  
Drill pattern suitable for WPU100 and WMC100

Order No.: PSE-WMC100-90

**Angle block WPU100-90C**



**Angle block WPU100-90C**

Angle block including 2 pieces of vertical horizontal, pneumatic clamping chuck

Distance of horizontal axis from base: 65 mm

Rectangular deviation of clamping axis: 0,005/100 mm

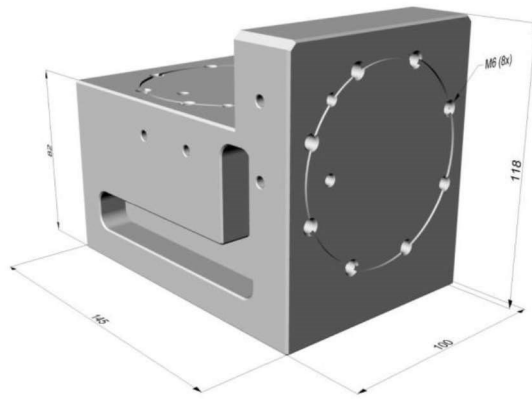
Machine table installation

Dimensions: 100 x 118 x 145 mm

Clamping force: 2 x 9.000 N

Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG

Order No.: PSE-WPU100-90C



**Angle block WPU100-90**

Angle block without clamping chuck

Distance of horizontal axis from base: 65 mm

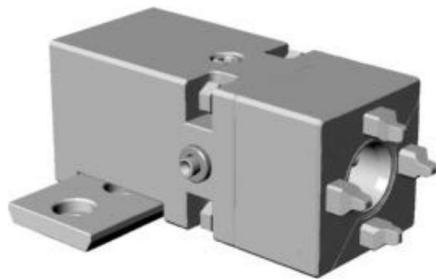
Machine table installation

Dimensions: 100 x 118 x 145 mm

Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG

Drill pattern suitable for WPU100D and WMC100

Order No.: PSE-WPU100-90



**WPU56H SET**

Horizontal pneumatic clamping chuck  
for WEDM

Direct machine table installation with M8 screws, distance: 25 mm

Standard control with compressed air gun

Dimensions: 126 x 56 x 56 mm

Clamping force: 4.000 N

Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG

Order No.: PSE-WPU56H SET

Manual valve PM5 appropriate clamping chuck without Z-support cleaning

## ALU Pallet Ø 148 with Centering Element



ALU Pallet Ø 148 with centering element incl. chucking spigot and chip carrier Hole patterns or threads for screwing can be introduced according to your instructions. Dimensions: Ø 148mm, height 40 mm, compatible with ITS®\* clamping system of Erowa AG

Order No.: PSE D148 ALU Blank

ALU Pallet Ø 148 with hole pattern and thread M10



ALU Pallet Ø 148 with centering element incl. clamping spigot and chip carrier  
Thread M10 hole pattern distance 25 mm and fitting bores Ø 10H7 mm  
Dimensions: Ø 148 mm, height 40 mm, compatible with ITS® clamping system of Erowa AG

Order No.: PSE D148 ALU hole pattern 10H7

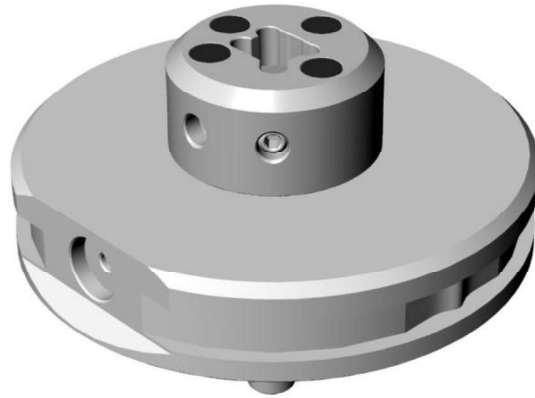
Pallet Ø 148 rustproof



Pallet Ø 148 rustproof with centering element for milling operation incl. clamping spigot and chip carrier Hole patterns or threads for screwing can be introduced according to your instructions.  
Dimensions: Ø 148 mm, height 40 mm, compatible with ITS® clamping system of Erowa AG

Order No.: PSE D148 rustproof Blank

Pallet Ø 148 rustproof hardened incl. electrode holder (15)

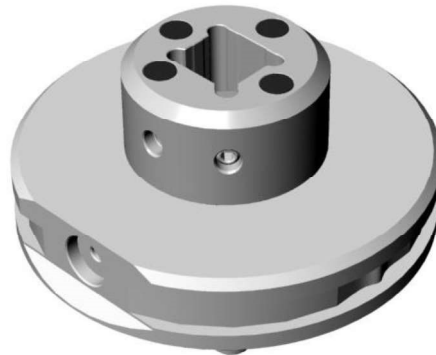


INOX Pallet Ø 148 hardened with centering element for milling operation incl. clamping spigot and chip carrier and electrode holder (15).

Dimensions: Ø 148mm, height 40 mm incl. front part (15) 70 mm, compatible with ITS® clamping system of Erowa AG

Order No.: PSE D148 rustproof WQ15

Pallet Ø 148 rustproof hardened incl. electrode holder (25)



INOX Pallet Ø 148 hardened with centering element for milling operation incl. clamping spigot and chip carrier and electrode holder (25).

Dimensions: Ø 148mm, height 40 mm incl. front part (25) 75 mm, compatible with ITS® clamping system of Erowa AG

Order No.: PSE D148 rustproof WQ25

## Magnetic Pallet Ø 148



Centering elements directly mounted on the magnets, including gripper groove  
Permanent magnetic clamping plate for precision milling works  
Holding force: approx. 140 N/cm<sup>2</sup>  
Radial pole pitch: 11+4 mm  
Magnetic field height: 10 mm  
Dimensions: Ø 148mm, height 57 mm, compatible with ITS®\* clamping system of Erowa AG  
Order No.: PSE D148 magnetic milling

Centering Vise including integrated Centering Element



WTP-CC65/10 Centering Vise

Jaw width: 65 mm

Bed length: 96 mm

Bed height: 50 mm

Total length: 110 mm

Design includes integrated G-centering plate for milling processing

Order-No.: PSE-WTP-CC 65/10

Centering Vise including Integrated Changer System

- Base body and base jaws made of case-hardened steel
- Spindle made of high-strength special steel
- Centring accuracy up to  $\pm 0,03$  mm
- Clamping force 15 kN (approx. 1,5t)
- Available clamping range 65 mm and 80 mm
- Clamping width from 0 61 mm at BB 65 mm
- Clamping width from 0 155 mm at BB 80 mm
- Mounting holes for precise fixation on adapter plate
- Random zero-point clamping system integrable
- Broad selection of top jaws
- Special designs available



Stepped jaws with grip bar (width 60 mm)



Stepped jaw with two-step grip (width 60 mm)



Stepped jaw with grip bar (width 80 mm)



Base jaw for reception of the following top jaws (width 60 mm)



Top jaw, cross ribbed



Top jaw, smooth/hard (width 60 mm)



Top jaw, prism

Centering Vise PSE- WTP-CC 125/170



Centering Vise  
Jaw width: 125 mm  
Bed length: 170 mm  
Bed height: 62 mm  
Total length: 171 mm

Order-No.: PSE-WTP-CC 125/170

Base Stepped Jaws including Grip Bar  
Jaw width: 125 mm



Centering Vise PSE- WTP-CC 80/170



Centering Vise  
Jaw width: 80 mm  
Bed length: 170 mm  
Bed height: 62 mm  
Total length: 171 mm

Order-No.: PSE-WTP-CC 80/170

Centering Vise PSE- WTP-CC 65/100



Centering Vise  
Jaw width: 65 mm  
Bed length: 96 mm  
Bed height: 50mm  
Total length: 110 mm

Order-No.: PSE-WTP-CC 65/100

Magnetic Limit Stop, Adjustable



Magnetic Limit Stop, Adjustable including Hinge



## MEASURING PROBE



WSK

Probe with fine adjustment and exchangeable ball point  
Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG  
Dimensions: 54 x 54 x 120 mm

Order No.: PSE-WSK



MS4

Measuring ball point for WSK  
Contact shaft: hard metal  
Available diameters: 2, 4, 5 and 6 mm  
Dimensions: L = 55 mm

Order No.: PSE-MS4

## MICROSCOPE



### Microscope

Magnification: 40 times

Lighting LED 5 Volt Transformer 100-240 Volt

Incl. pointed checking pin for optical adjustment

Dimensions: 54 x 54 x 110 mm

Length of sensing bolt 75 mm

Mounting on holder is possible, compatible with ITS®\* clamping system of Erowa AG

Order No.: PSE-Microscope

## MEASURING PROBE SPARE SENSOR BALLS



Measuring ball point PSE-060.100 D5 and PSE-060.000 D2  
Contact shaft: hard metal, compatible with ITS®\* clamping system of Erowa AG  
Available diameters: 2, 3, 4, and 5 mm

Attention: measuring ball point without spacer!

Dimensions: L = 79 mm  
Material: rustproof

Order No.: PSE-060.100 for D5 PSE 060.000 for D2 (indicate Ø please)

### 3D Table probe with different ball points



Probe with exchangeable ball point and magnetic base  
Dimensions: 50 x 60 x 135 mm  
The screwing thread is M4

Order No.: PSE-TEWSK Standard D 5 mm

Measuring ball point  $\varnothing$  5 mm, Length 56 mm Order No.: PSE-TEWSK D 5

Measuring ball point  $\varnothing$  3 mm, Length 56 mm Order No.: PSE-TEWSK D 3

Measuring ball point  $\varnothing$  1 mm, Length 20 mm Order No.: PSE-TEWSK D 1

Available diameters: 1 mm, 3 mm and 5 mm



### PSE Mandrel gauge short



To align the radial, axial and angular position of the clamping chucks

Dimensions: 50 x 50 x 60 mm

Bore Ø: 20 mm, outer diameter: 40 mm

Material: rustproof, hardened 54 HRC, compatible with ITS® clamping system of Erowa AG

Order No.: PSE-WMC50-100

### PSE Mandrel gauge long



To align the radial, axial and angular position of the clamping chucks

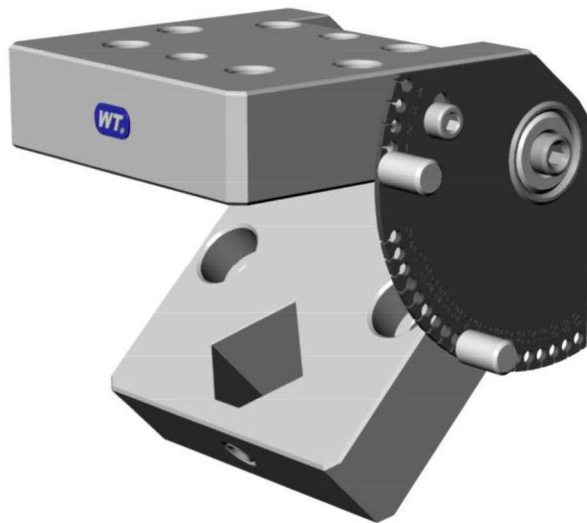
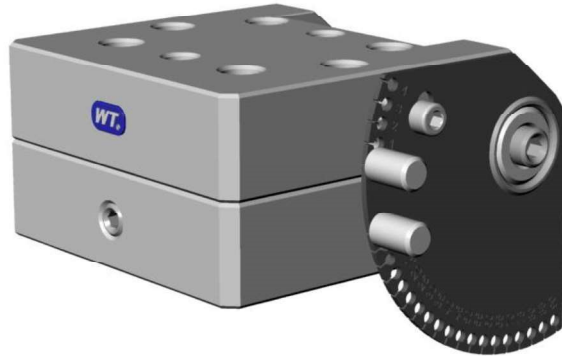
Dimensions: 52 x 52 x 146 mm

Bore Ø: 20 mm, outer diameter: 30 mm

Material: rustproof, hardened 54 HRC, compatible with ITS® clamping system of Erowa AG

Order No.: PSE-WMC50-146

### Sprue holder for Uni panel



### Sprue holder for Uni panel 50

Adjustment from 0 to 225°  
Clamping option for square or round  $\varnothing$  15 mm  
equipped for chip coding partition  
1°

Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG

Order No.: PSE-Nr. WQM50-15

## Adapter D72

incl. Screw und Special Clamping Spigot



Screw and Special Clamping Spigot





WR54D72

Dimension: D72 mm x 30 mm

Material: rustproof, hardened 54°HRC inclusive  
special clamping spigot with screw

Compatible with ITS®\* clamping system of the Erowa AG and Macro® \*compatible

Order-No.: PSE-WR54D72

### CLAMPING SPIGOT F/A EDM fix



WUC-F/A

Clamping spigot F/A EDM

Dimensions: Ø 20 x 45 mm

Material: rustproof, hardened 50 HRC, compatible with ITS®\* clamping system of Erowa AG

Order No.: PSE-WUC-F/A

### Square holder WQM 35



Square holder for profile 35 x 35 mm  
Repetition accuracy:  $\pm 0,003$  mm  
Reference height Z:  $40 \pm 0,003$  mm  
Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG  
Dimensions: 54 x 54 x 75 mm

Order No.: PSE-WQM35

### Square holder WQM 15



WQM15

Square holder for profile 15 x 15 mm  
Repetition accuracy  $\pm 0,003$  mm  
Reference height Z:  $40 \pm 0,003$  mm  
Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG  
Dimensions: 52 x 52 x 69 mm

Order No.: PSE-WQM15

### Square holder WQM 25



WQM25

Square holder for profile 25 x 25 mm  
Repetition accuracy  $\pm 0,003$  mm  
Reference height Z:  $40 \pm 0,003$  mm  
Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG  
Dimensions: 54 x 54 x 75 mm

Order No.: PSE-WQM25

## Hydraulic clamping chuck for mini shanks



### WQH20

Hydraulic clamping chuck for electrode shanks  $\varnothing$  20 mm with double hydraulic chambers

Repetition accuracy:  $\pm 0,003$  mm

Dimensions: 54 x 54 x 75 mm

Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG

Order No.: PSE-WQH20

PSE ALU clamping chuck for shank  $\varnothing$  20 mm

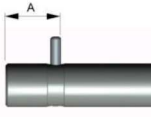
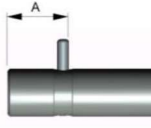
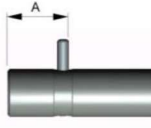




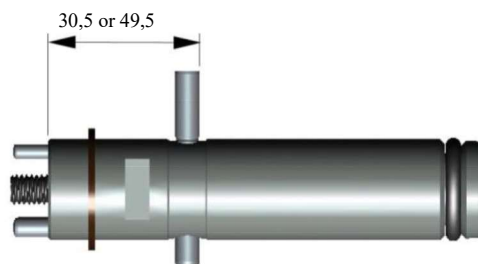
WHR20 ALU

Round holder for shank  $\varnothing$  20 mm  
With stop in for electrode shank and 2 pieces of pressure M8 screws, distance: 12 mm  
Dimension: 52 x 52 x 78,5 mm  
Bore:  $\varnothing$  20H7 mm  
Material: ALU, compatible with ITS®\* clamping system of Erowa AG

Order No.: PSE-WHR20

Electrode shanks Ø 20 mm

Order No.	Diameter	Distance	Quantity	
	PSE-S02/20/25	20	25	1 set 30 pieces
PSE-S02/20/50	20	50	1 set 30 pieces	
PSE-S02/20/100	20	100	1 set 10 pieces	
PSE-S02/20/150	20	150	1 set 10 pieces	
PSE-S05/20/30.5	20	30.5	1 piece	
PSE-S05/20/49,5	20	49.5	1 piece	





Copper electrode blanks for  
square holder WQM

Dimensions: 15 x 15 x 75, 25 x 25 x 90 mm or indicate other dimensions  
(Please request documentation separately)

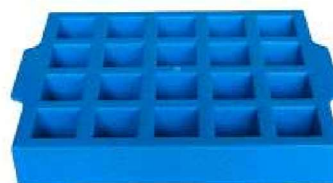


Graphite electrode blanks for  
square holder WQM  
(Please request documentation separately)



Order No.: PSE-E-BOX20

Plastic box for 20 pieces of electrodes 15 x 15 mm



Order No.: PSE-E-BOX25

Plastic box for 20 pieces of electrodes 25 x 25 mm

Collet chuck  
for round electrodes



WER16

Collet chuck for collets ER16 Ø 0,5 to 10 mm  
Maximum deviation of concentricity: 0,002 mm  
Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG  
incl. chip carrier  
Order No.: PSE-WER16



WER32

Collet chuck for collets ER32 Ø 3 to 20 mm  
Maximum deviation of concentricity: 0,002 mm  
Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG  
incl. chip carrier  
Order No.: PSE-WER32



WER40

Collet chuck for collets ER40 Ø 4 to 26 mm  
Maximum deviation of concentricity: 0,002 mm  
Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG  
incl. chip carrier  
Order No.: PSE-WER40



Collet chuck kit ETS32

Collet chuck kit for ER32 Ø 2 to 20 mm, 18 pieces

Collet chucks also individually available

Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG

Order No.: PSE-WER32- ETS



Collet chuck kit ER32 for  
PSE WER32

Collet chuck kit for ER32 Ø 2 to 20 mm, 18 pieces

Collet chucks also individually available

Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG

Order No.: PSE-WER32- PSE



Collet chuck kit ER16 for  
PSE WER16

Collet chuck kit for ER16 Ø 0,5 to 10 mm, 10 pieces

Collet chucks also individually available

Material: rustproof, hardened 54 HRC, compatible with ITS®\* clamping system of Erowa AG

Order No.: PSE-WER16-PSE

## Collet Holder SET ER-16



### Single Components

Collet Chuck Kit for ER16 Ø 0,5 to 10 mm, 10 pieces  
Collets also available as single parts  
Material: rustproof, hardened 54 HRC  
Compatible with ITS®\* clamping system of the Erowa AG

Collet Chuck for ER16 Ø 0,5 to 10 mm  
Maximum concentricity deviation: 0,002 mm  
Dimension: 54 x 54 x 85 mm  
Material: rustproof, hardened 54°HRC including  
chip reception  
Compatible with ITS®\* clamping system of the Erowa AG

Clamping Spigot F/A EDM  
Dimension: Ø 20 x 45 mm  
Material: rustproof, hardened 50 HRC  
Compatible with ITS®\* clamping system of the Erowa AG

Sealing Rubber ER16, 20 pieces

Hook Spanner ER 16

Order-No.: PSE-WER16-PSE SET

## Collet Holder SET ER-32



### Single Components

Collet Chuck Kit for ER32 Ø 0,5 to 10 mm, 18 pieces  
Collets also available as single parts  
Material: rustproof, hardened 54 HRC  
Compatible with ITS®\* clamping system of the Erowa AG

Collet Holder for ER32 Ø 3 to 20 mm  
Maximum concentricity deviation: 0,002 mm  
Dimension: 54 x 54 x 87 mm  
Material: rustproof, hardened 54 HRC including  
chip reception  
Compatible with ITS®\* clamping system of the Erowa AG

Clamping Spigot F/A EDM  
Dimension: Ø 20 x 45 mm  
Material: rustproof, hardened 50 HRC  
Compatible with ITS®\* clamping system of the Erowa AG

Sealing Rubber ER32, 20 pieces

Hook Spanner ER 32

Order-No.: PSE-WER32-PSE SET

## Collet Holder SET ETS-32



### Single Components

Collet Chuck Kit ETS for ER32  $\varnothing$  0,5 to 10 mm, 18 pieces  
Collets also available as single parts  
Material: rustproof, hardened 54 HRC  
Compatible with ITS®\* clamping system of the Erowa AG

Collet Holder for Collet Chuck ER32  $\varnothing$  3 to 20 mm  
Maximum concentricity deviation: 0,002 mm  
Dimension: 54 x 54 x 87 mm  
Material: rustproof, hardened 54 HRC including  
chip reception  
Compatible with ITS®\* clamping system of the Erowa AG

Clamping Spigot F/A EDM  
Dimension:  $\varnothing$  20 x 45 mm  
Material: rustproof, hardened 54 HRC  
Compatible with ITS®\* clamping system of the Erowa AG

Sealing Rubber ER32, 20 pieces

Hook Spanner ER 32

Order-No.: PSE-WER32-ETS PSE SET

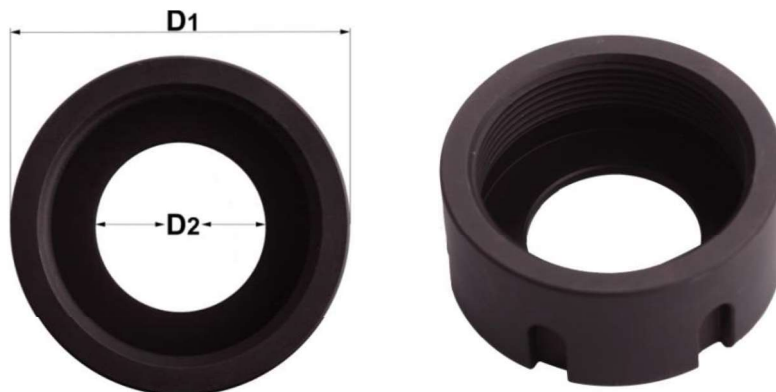


#### Collet Chuck Kit ETS32

Collet Chuck Kit for ER32 Ø 2 to 20 mm, 18 pieces  
Collets also available as single parts  
Material: rustproof, hardened 54 HRC  
Compatible with ITS®\* clamping system of the Erowa AG

#### Special Clamping Nut for ETS Collet Chucks suitable for Collet Holder PSE-WER32

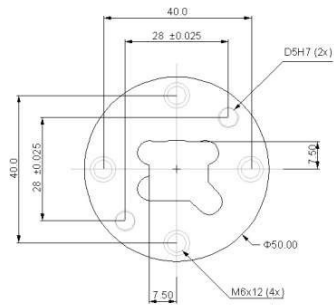
D1: 50 mm  
D2: 28 mm



## PSE SQUARE 15 and/or 25 mm CLAMPING SYSTEM

Two types of square front parts available: 15 and 25 square

### PSE SQUARE 15 mm



WQ15

VIEW TOP

PSE-WQ15

Square front part 15 mm  
Material: rustproof, hardened 54 HRC  
Dimensions: Ø 50 x 32 mm

Order No.: PSE-WQ15

Square front part 15mm Ø 60 mm INOX

Screwable from above and below



PSE-WQ15 D60

Square front part 15 mm

Material: rustproof, hardened 54 HRC

Dimensions: Ø 60 x 30 mm

Counterbore for screwing M6 and/or thread M8 from the back

Alignment pins Ø 5 mm from the back

Order No.: PSE-WQ15 D 60 Square  
front part 25mm Ø 70mm INOX

Screwable from above and below



PSE-WQ25 D 70

Square front part 25 mm

Material: rustproof, hardened 54 HRC

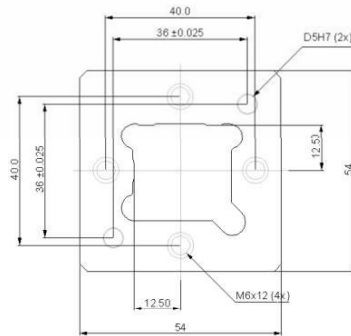
Dimensions: Ø 70 x 30 mm

Counterbore for screwing M6 and/or thread M8 from the back

Alignment pins Ø 5 mm from the back

Order No.: PSE-WQ25 D 70

## PSE SQUARE 25 mm



WQ25

VIEW TOP

PSE-WQ25

Square front part 25 mm  
Material: rustproof, hardened 54 HRC  
Dimensions: 54 x 54 x 36 mm

Order No.: PSE-WQ25

Milling pallet with front part 15 x 15 mm  
For machining operation



High-strength ALU for 4 pieces of collets

Dimensions: 200 x 200 x 30 mm

High-strength ALU for 8 pieces of collets

Dimensions: 300 x 180 x 30 mm

Rustproof, hardened and polished steel for 6 pieces of collets Dimensions: 250 x 175 x 30 mm

Rustproof, hardened and polished steel for 6 pieces of collets Dimensions: 300 x 200 x 35 mm

Order No.: PSE-WQ15/200-30 ALU

Order No.: PSE-WQ15/300-30 ALU

Order No.: PSE-WQ15/250-30 Steel Order

No.: PSE-WQ15/300-35 Steel

Including reference bore and reference area for alignment.

When placing an order, always indicate the size of the T-groove distance of the milling machine, please.

Milling pallet with front part 25 x 25 mm  
For machining operation



High-strength ALU for 4 pieces of collets  
High-strength ALU for 8 pieces of collets

Dimensions: 200 x 200 x 30 mm  
Dimensions: 300 x 180 x 30 mm

Rustproof, hardened and polished steel for 6 pieces of collets Dimensions: 250 x 175 x 30 mm Rustproof,  
hardened and polished steel for 6 pieces of collets Dimensions: 300 x 200 x 35 mm

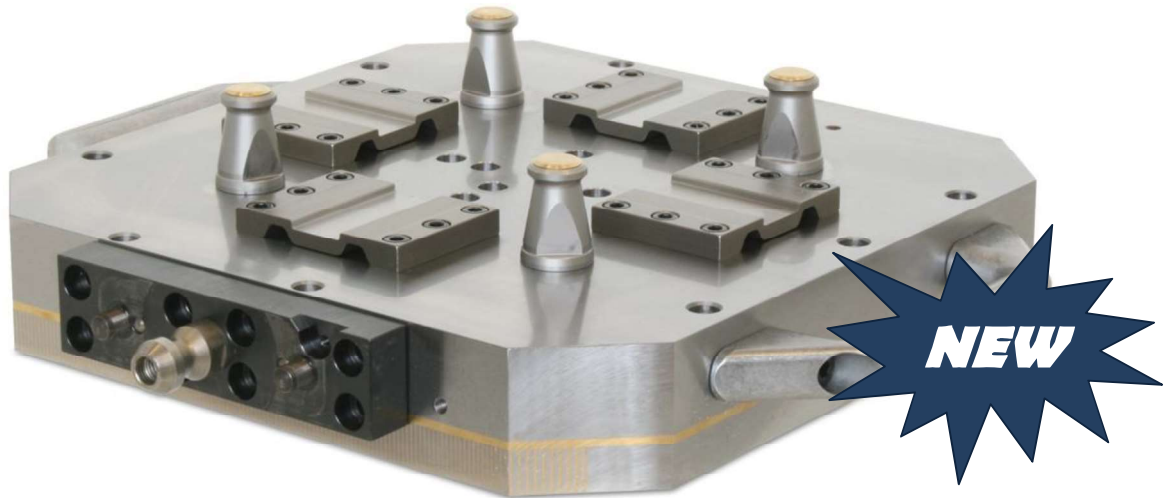
Order No.: PSE-WQ25/200-30 ALU  
Order No.: PSE-WQ25/300-30 ALU  
Order No.: PSE-WQ25/250-30 Stahl Order  
No.: PSE-WQ25/300-35 Stahl

Including reference bore and reference area for alignment

When placing an order, always indicate the size of the T-groove distance of the milling machine, please.

## Pallet

Special flat design including magnetic plate for automation



### Technical data

Pallet including magnetic clamping plate New basic body ALU

Dimensions: 321 x 321 x 48 mm

**Weight: 29 kg**

Centering elements directly mounted on magnet, including gripper link and grips  
Permanent magnetic clamping plate for high precision grinding and eroding works  
Also suitable for light milling

Holding force approx. 100 N/cm<sup>2</sup>

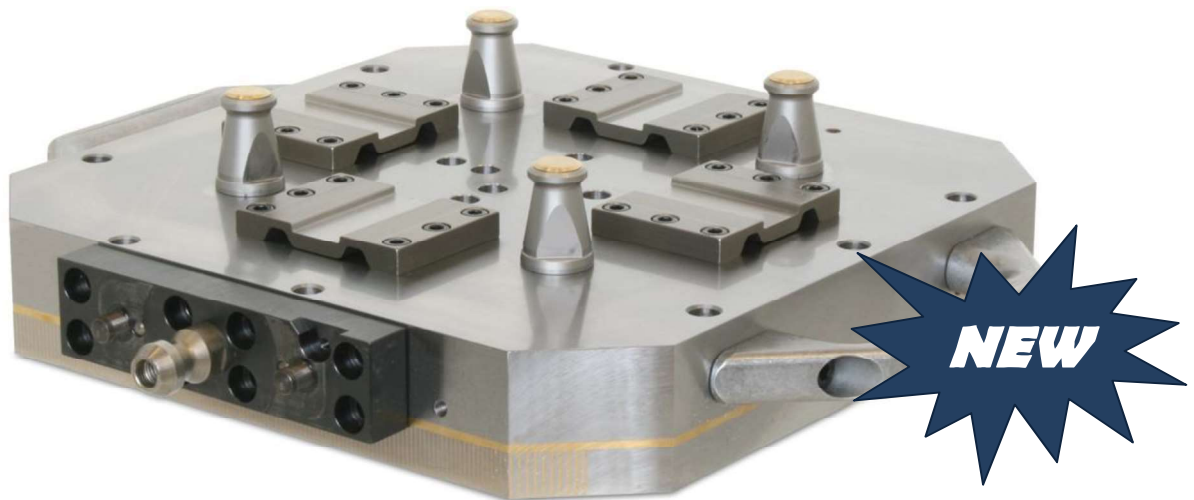
Transverse pole partition: 1,4+0,5 mm, corners 40 mm x 45°

Drilling pattern for automation (gripper coupling attached), compatible with UPC®\* clamping system of Erowa AG

Order No.: PSE- Pallet EDM

## Pallet

Special flat design including magnetic plate for automation (milling)



### Technical data

Pallet including magnetic clamping plate steel

Dimensions: 321 x 321 x 48 mm

**Weight: 38 kg**

Centering elements directly mounted on magnet, including gripper link and grips

Permanent magnetic clamping plate for high precision milling

Holding force: approx. 150 N/cm<sup>2</sup>

Transverse pole partition: 11+4 mm, corners 40 mm x 45°

Drilling pattern for automation (gripper coupling attached), compatible with UPC® clamping system of Erowa AG

Order No.: PSE- Pallet Milling

## PALLET ALU



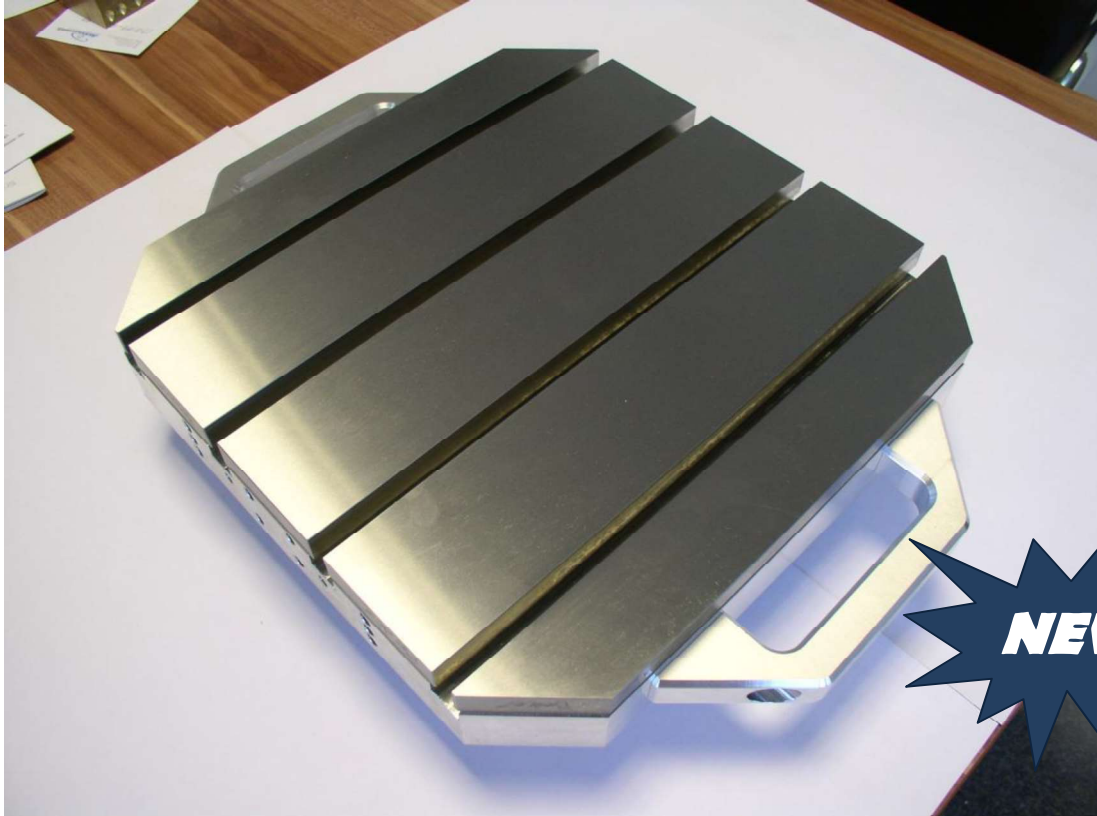
### Technical Data Pallet ALU

Dimensions 320 x 320 x 40 mm

Incl. centering elements, clamping spigot and hardened Z-supports, compatible with UPC®\* clamping system of Erowa AG

Order No.: PSE- Pallet 320

T- Notch Pallet  
Hardened steel plate version



Technical Data Pallet ALU  
Pallet with hardened steel plate and polished T-notch  
Dimensions: 321 x 321 x 50 mm  
Incl. centering elements, clamping spigot and hardened Z-supports

Incl. 4 pieces of T-notches 10H7 mm, distance 75 mm, compatible with UPC®\* clamping system of Erowa AG

Order No.: PSE- Pallet T-Notch 10H7

## Raster Pallet

Version including thread M12 and bores  $\varnothing$  12F7



Technical Data Pallet ALU  
Pallet

Including thread steel inserts M12 and raster bores  $\varnothing$  12F7 mm, distance 50 mm

Dimensions: 321 x 321 x 40 mm

Incl. centering elements, clamping spigot and hardened Z-supports, compatible with UPC® clamping system of Erowa AG

Order No.: PSE Pallet Raster 12F7

### Coupling element for Pallets



WMC-150

Coupling element for pallets compatible incl. screws and clamping spigot Dimensions:  
150 x 38 x 20 mm  
Material: rustproof, compatible with UPC®\* clamping system of Erowa AG

Order No.: PSE Coupling

### Grips for pallets



Grips-195

Grips for pallets incl. screws M8 x 30 mm, compatible with UPC®\* clamping system of Erowa AG Dimensions:  
195 x 50 x 20 mm

Order No.: PSE- Grips

### PSE 16-fold SQUARE 15 mm



PSE-16-fold Holder 15

16 pieces of square front parts 15 mm Material:  
rustproof, hardened 54 HRC  
Base plate: ALU, compatible with UPC®\* clamping system of Erowa AG  
Dimensions: 320 x 320 x 72 mm

Order No.: PSE-16-fold WQ15

### PSE 16-fold SQUARE 25 mm

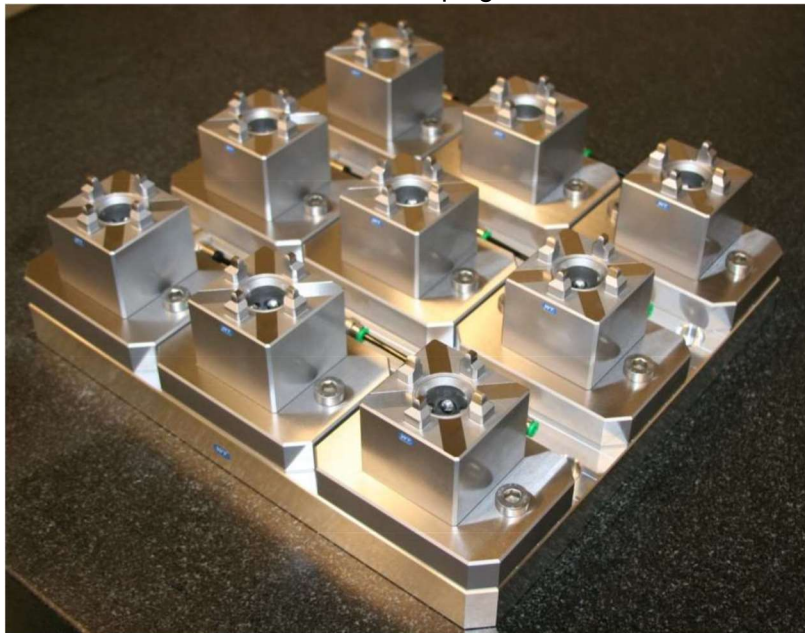


PSE-16-fold Holder 25

16 pieces of square front parts 25 mm  
Material: rustproof, hardened 54 HRC  
Base plate: ALU, compatible with UPC®\* clamping system of Erowa AG  
Dimensions: 320 x 320 x 76 mm

Order No.: PSE-16-fold WQ25

## PSE 9-fold Clamping Chuck



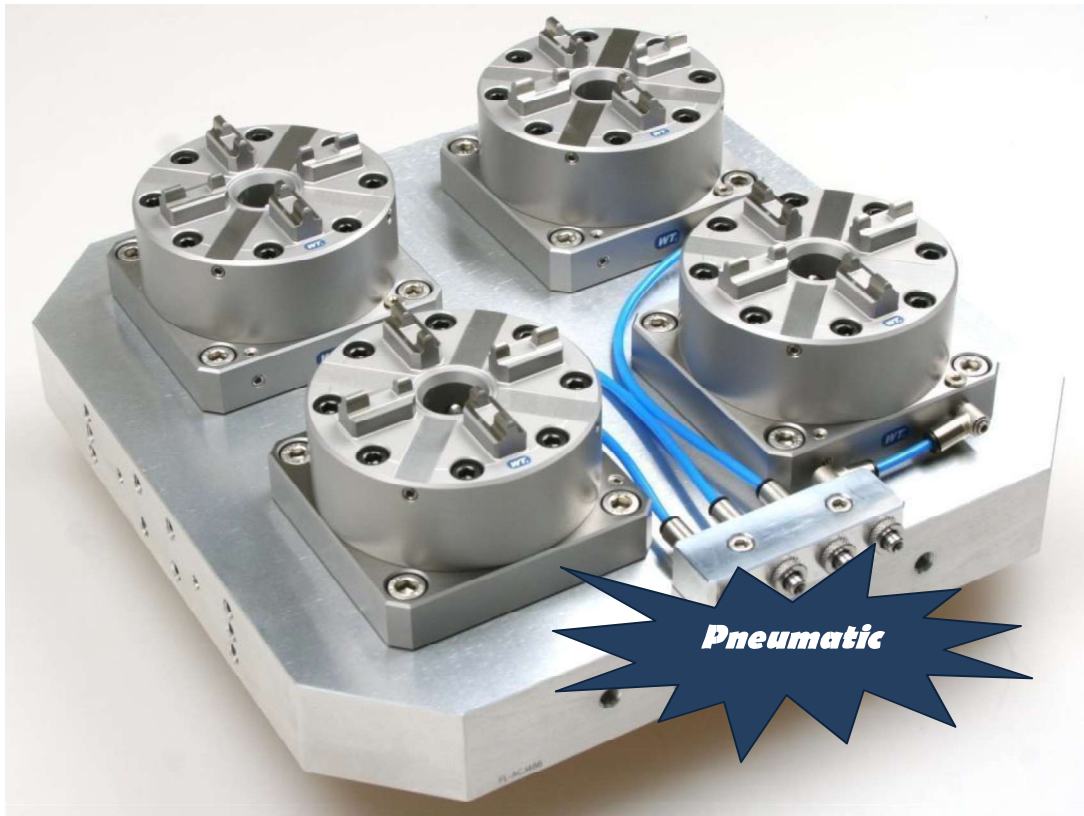
### PSE-9-fold clamping chuck

9 pieces of PSE- clamping chuck  
Material: rustproof, hardened 54 HRC  
Base plate: ALU, compatible with UPC®\* clamping system of Erowa AG  
Dimensions: 306 x 306 x 65 mm  
Dimension 65 mm suitable for Z 0

Order No.: PSE-9-fold

## Pallet

Incl. 4 pieces of WPU100D clamping chuck



### Technical Data

Pallet incl. 4 pieces of clamping chuck WPU100D

Dimensions: 320 x 320 x 40 mm (only pallet)

Total height: 109 mm (pallet incl. clamping chuck)

Height Z-support 56 mm, compatible with UPC®\* clamping system of Erowa AG 4 pieces of clamping chuck WPU100D any of them separately controllable

Order No.: PSE- Pallet WPU100D-4

### Permanent Magnetic Clamping Plate 321 x 321 x 40 mm



#### Technical Data

Permanent Magnetic Clamping Plate for high precision grinding and eroding

Also suitable for light milling

Holding force: approx. 100 N/cm<sup>2</sup>

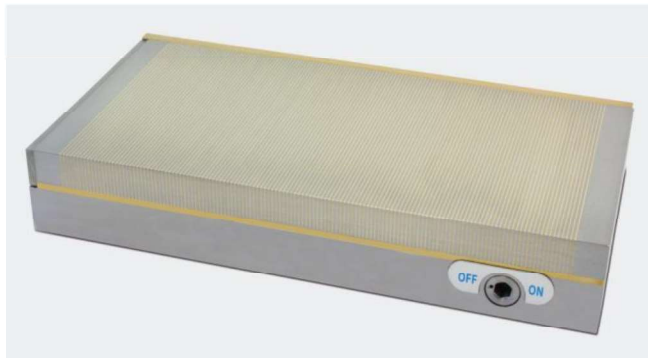
Transverse pole partition: 1,4+0,5 mm

Dimensions: 321 x 321 x 60 mm, corners 40 mm x 45°

Designed for mounting on pallets or for direct insertion of reference elements

Order No.: PSE-Magnetic Clamping Plate 321x321x40

### Permanent Magnetic Clamping Plate 300 x 150 x 51 mm



#### Technical Data

Permanent Magnetic Clamping Plate for high precision grinding and eroding

Also suitable for light milling

Holding force: approx. 100 N/cm<sup>2</sup>

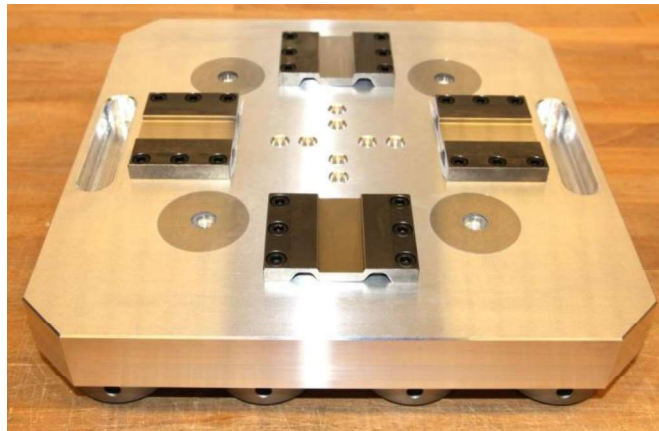
Transverse pole partition: 1,4+0,5 mm

Dimensions: 300 x 150 x 51 mm

Designed for mounting on pallets

Order No.: PSE-Magnetic Clamping Plate 300x150x51

Pallet incl. 4 pieces of Clamping Chuck WMC100

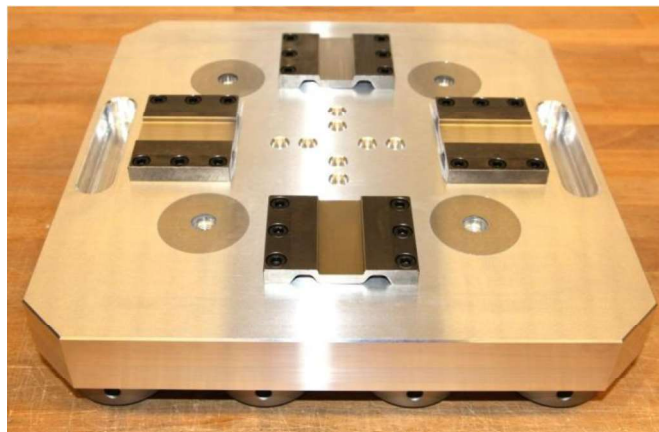


PSE-4-fold clamping chuck

4 pieces of PSE-clamping chuck WMC100  
Material: rustproof, hardened 54 HRC  
Base plate: ALU, compatible with UPC®\* clamping system of Erowa AG  
Dimensions: 320 x 320 x 76 mm  
76 mm dimension suitable for Z 0

Order No.: PSE- WMC- 4

Pallet SQUARE 15 - 25 mm  
16-fold screwing from above



PSE-16-fold holder 15 or 25

8 pieces of square front parts 15 mm

8 pieces of square front parts 25 mm

Material: rustproof, hardened 54 HRC

Base plate: ALU, compatible with UPC®\* clamping system of Erowa AG

Dimensions: 320 x 320 x 72 mm

Order No.: PSE- Pallet Square WQ15 and WQ25

PSE Clamping Rail 320 mm Clamping range from 0 to 220 mm



PSE-PSE-601/T2x320

Hardened and polished steel design Base support with 2 mm positioning grid Clamping range: 0 to 220 mm  
Screwing with M8 screws, raster hole distance 80 mm through T-notch Suitable for mounting on pallets or  
direct mounting on the machine table Dimension: 320 x 70 x 61 mm

Order No.: PSE-601/T2x320-Set

PSE Flexible Clamping Jaw for Clamping Rail incl. T-slot nut



PSE-PSE-604/T2

Hardened and polished steel design incl. T-slot nut  
Clamping areas of the workpiece must have been processed  
Usable for clamping rails 300 mm Dimension: 70 x 58 x 27,4 mm

Order No.: PSE-604/T2

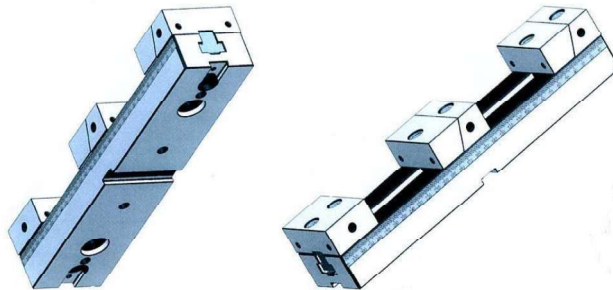
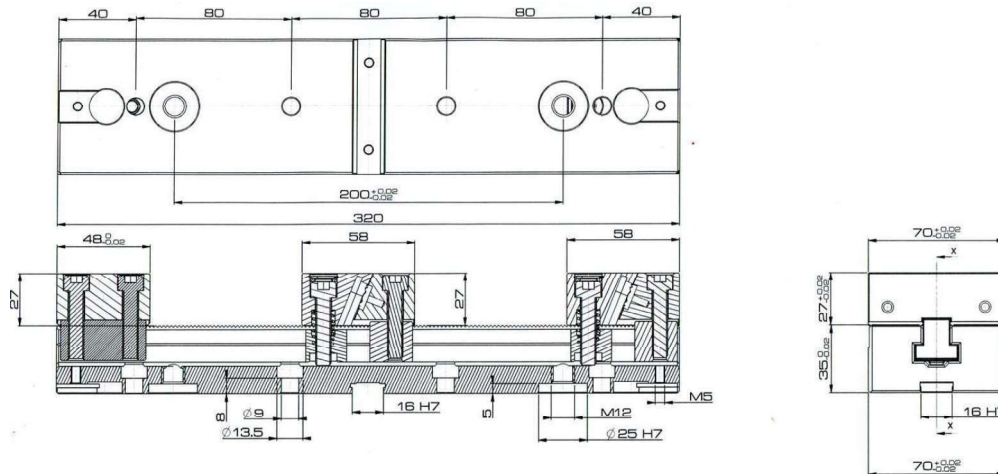
PSE Fixed clamping jaw for clamping rail incl. T-slot nut



PSE-PSE-605/T2

Hardened and polished steel design incl. T-slot nut  
Clamping areas of the workpiece must have been processed  
Usable for clamping rails 320 mm  
Dimension: 70 x 48 x 27,4 mm

Order No.: PSE-605/T2








PSE Clamping Rail incl. 3 workpieces










PSE clamping rail 320 mm prepared with notches 16 H7 mm and fitting bores  $\varnothing$  25 H7 mm  
screwing through T notch 4 times distance 80 mm for M8 screws


## Uni Panel and/or Uni Blank ALU


	Uni panel compatible with ITS®* clamping system of Erowa AG 2 x bores Ø 6,5 mm, distance 40 mm for M6 screws incl. 2 screws M6 x 20 mm			
	Order No.	Dimension	Material	Packing Unit
	PSE-001-000	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces
	Uni panel incl. chip carrier compatible with ITS®* clamping system of Erowa AG 2 x bores Ø 6,5 mm, distance 40 mm for M6 screws incl. 2 screws M6 x 20 mm			
	Order No.	Dimension	Material	Packing Unit
	PSE-001-100	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces
	Uni panel incl. chip carrier compatible with ITS®* clamping system of Erowa AG 2 x bores Ø 6,5 mm, distance 40 mm for M6 screws incl. 2 screws M6 x 20 mm			
	Order No.	Dimension	Material	Packing Unit
	PSE-001-200	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces
	Uni blank compatible with ITS®* clamping system of Erowa AG			
	Order No.	Dimension	Material	Packing Unit
	PSE-008-000	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces
	Uni blank incl. chip carrier compatible with ITS®* clamping system of Erowa AG			
	Order No.	Dimension	Material	Packing Unit
	PSE-008-100	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces c
	Uni blank incl. chip carrier compatible with ITS®* clamping system of Erowa AG			
	Order No.	Dimension	Material	Packing Unit
	PSE-008-200	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces


## Square holder ALU


	Square holder 15 compatible with ITS®* clamping system of Erowa AG square 15 x 15 x 20 mm, square 16,5 mm milled out			
	Order No.	Dimension	Material	Packing Unit
	PSE-002-000	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces
	Square holder 15 incl. chip carrier compatible with ITS®* clamping system of Erowa AG square 15 x 15 x 20 mm, square 16,5 mm milled out			
	Order No.	Dimension	Material	Packing Unit
	PSE-002-100	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces
	Square holder 15 incl. chip carrier compatible with ITS®* clamping system of Erowa AG square 15 x 15 x 20 mm, square 16,5 mm milled out			
	Order No.	Dimension	Material	Packing Unit
	PSE-002-200	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces
	Square holder 20 compatible with ITS®* clamping system of Erowa AG square 20 x 20 x 20 mm, square 21,5 mm milled out			
	Order No.	Dimension	Material	Packing Unit
	PSE-003-000	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces
	Square holder 20 incl. chip carrier compatible with ITS®* clamping system of Erowa AG square 20 x 20 x 20 mm, square 21,5 mm milled out			
	Order No.	Dimension	Material	Packing Unit
	PSE-003-100	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces
	Square holder 20 incl. chip carrier compatible with ITS®* clamping system of Erowa AG square 20 x 20 x 20 mm, square 21,5 mm milled out			
	Order No.	Dimension	Material	Packing Unit
	PSE-003-200	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces


	<p>Square holder 25 compatible with ITS®* clamping system of Erowa AG square 25 x 25 x 20 mm, square 26,5 mm milled out</p>			
	Order No.	Dimension	Material	Packing Unit
	PSE-004-000	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces

	<p>Square holder 25 incl. chip carrier compatible with ITS®* clamping system of Erowa AG square 25 x 25 x 20 mm, square 26,5 mm milled out</p>			
	Order No.	Dimension	Material	Packing Unit
	PSE-004-100	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces

	<p>Square holder 25 incl. chip carrier compatible with ITS®* clamping system of Erowa AG square 25 x 25 x 20 mm, square 26,5 mm milled out</p>			
	Order No.	Dimension	Material	Packing Unit
	PSE-004-200	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces

	<p>Square holder 30 compatible with ITS®* clamping system of Erowa AG square 30 x 30 x 20 mm, square 31,5 mm milled out</p>			
	Order No.	Dimension	Material	Packing Unit
	PSE-005-000	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces


	<p>Square holder 30 incl. chip carrier compatible with ITS®* clamping system of Erowa AG square 30 x 30 x 20 mm, square 31,5 mm milled out</p>			
	Order No.	Dimension	Material	Packing Unit
	PSE-005-100	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces

	<p>Square holder 30 incl. chip carrier compatible with ITS®* clamping system of Erowa AG square 30 x 30 x 20 mm, square 31,5 mm milled out</p>			
	Order No.	Dimension	Material	Packing Unit
	PSE-005-200	50,5 x 50,5 x 41	EN AW7075	16 pieces



## Uni holder ALU

	Uni holder 10 compatible with ITS®* clamping system of Erowa AG slot 10,5 x 12,5 mm			
	Order No.	Dimension	Material	Packing Unit
	PSE-006-000	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces
	Uni holder 10 incl. chip carrier compatible with ITS®* clamping system of Erowa AG slot 10,5 x 12,5 mm			
	Order No.	Dimension	Material	Packing Unit
	PSE-006-100	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces
	Uni holder 10 incl. chip carrier compatible with ITS®* clamping system of Erowa AG slot 10,5 x 12,5 mm			
	Order No.	Dimension	Material	Packing Unit
	PSE-006-200	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces
	Uni holder 20 compatible with ITS®* clamping system of Erowa AG slot 20,5 x 12,5 mm			
	Order No.	Dimension	Material	Packing Unit
	PSE-007-000	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces
	Uni holder 20 incl. chip carrier compatible with ITS®* clamping system of Erowa AG slot 20,5 x 12,5 mm			
	Order No.	Dimension	Material	Packing Unit
	PSE-007-100	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces
	Uni holder 20 incl. chip carrier compatible with ITS®* clamping system of Erowa AG slot 20,5 x 12,5 mm			
	Order No.	Dimension	Material	Packing Unit
	PSE-007-200	50,5 x 50,5 x 41 mm	EN AW7075	16 pieces



## Round holder ALU

	Round holder 10 incl. chip carrier compatible with ITS®* clamping system of Erowa AG  Bore Ø 10H7 x 20 mm				
	Order No.	Dimension	Material	Packing Unit	
	PSE-009-100	50,5 x 50,5 x 65 mm	EN AW7075	2 pieces	


## Uni Panel 80 mm ALU

	Uni panel 80 compatible with ITS®* clamping system of Erowa AG 4 x bores Ø 6,5 mm, distance 65 mm for screws M6				
	Order No.	Dimension	Material	Packing Unit	
	PSE-010-000	80 x 80 x 40 mm	EN AW7075	4 pieces	
	Uni panel incl. chip carrier compatible with ITS®* clamping system of Erowa AG 4 x bores Ø 6,5 mm, distance 64 x 38 mm for screws M6				
	Order No.	Dimension	Material	Packing Unit	
	PSE-010-100	80 x 80 x 40 mm	EN AW7075	4 pieces	


## Custom-made designs ALU

	Square holder 15 incl. chip carrier compatible with ITS®* clamping system of Erowa AG square 15 x 15 x 20 mm, square 16,5 mm milled out				
	Order No.	Dimension	Material	Packing Unit	
	PSE-002-400	50,5 x 50,5 x 61 mm	EN AW7075	6 pieces	
	Uni panel incl. chip carrier compatible with ITS®* clamping system of Erowa AG 2 x Bores Ø 6,5 mm, distance 40 mm for M6 screws				
	Order No.	Dimension	Material	Packing Unit	
	PSE-001-400	50,5 x 50,5 x 61 mm	EN AW7075	6 pieces	

Square holder WQMC-ALU 15x15 mm incl. chip carrier


	Square holder 15 incl. chip carrier compatible with ITS®* clamping system of Erowa AG square 15x15 mm square coordinates ground repetition accuracy ±0.003 mm reference height Z-support ±0,003 mm			
	Order No.	Dimension	Material	Packing Unit
	PSE-WQMC-15	52 x 52 x 69 mm	EN AW7075	2 pieces

Square holder WQMC-ALU 25x25 mm incl. chip carrier

	Square holder 25 incl. chip carrier compatible with ITS®* clamping system of Erowa AG square 25x25 mm square coordinates ground repetition accuracy ±0.003 mm reference height Z-support ±0,003 mm			
	Order No.	Dimension	Material	Packing Unit
	PSE-WQMC-25	52 x 52 x 75 mm	EN AW7075	2 pieces

Square holder WQMC ALU incl. chip carrier has the same dimension as WQM rustproof square holder and are especially appropriate for graphite processing

Electrode stand

	Electrode stand for storage and/or transport for 20 pieces of electrode holders compatible with ITS®* clamping system of Erowa AG			
	Order No.	Dimension	Material	Packing Unit
	PSE-029-200	360 x 259 mm	Plastic	1 piece

## Technical Data Certal \*®

Alloy	AlZn5Mg3Cu Special type 7022*
Alloy type	hardened
Material condition	T652, slackened by elongation
Surface *Special type	Rolling skin

### Material Properties

- High core strength
- Good dimensional stability (by compression)
- Very good polishing properties
- Very good workability

### Technological Properties

Machinability	very good
Welding works	good (resistance welding)
	Medium welding ability*: (MIG/WIG)
Anodic oxidisability	good
Sanding properties	very good
Hard chrome-plating, nickel-plating, texture-cauterization	good
Corrosion resistance	average

\* given appropriate preheating / welding additives AA 5183 or 5356

### Areas of Application

- Highly stressed machine part
- Production of injection and blow moulding for bottles and containers

### Typical Mechanical Properties

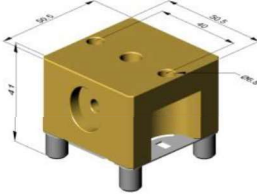
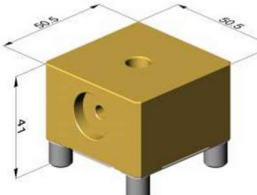
Yield strength $R_{p0.2}$	[Mpa]	480
Tensile strength $R_m$	[Mpa]	540
Fracture elongation A	[%]	8**
Brinell hardness HBW **	HBW [2,5/ 62,5]	160
Fracture elongation A50		

### Typical Physical Properties

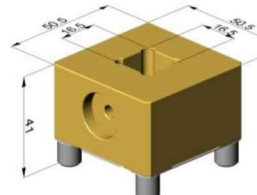
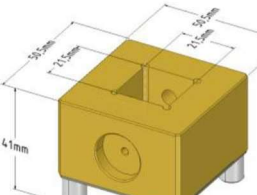
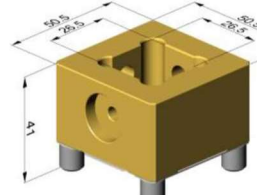
Density	[g/cm <sup>3</sup> ]	2,76
Elastic module	[GPa]	72
Electrical conductivity	[m/Ω · mm <sup>2</sup> ]	18-22
Thermal expansion coefficient	[K <sup>-1</sup> ]	23,3x10 <sup>-6</sup>
Thermal conductivity	[W/m · K]	120-150
Specific heat capacity	[J/kg · K]	862

Certal\*® is a registered trademark of Constellium Valais SA

PSE Uni Panel, Uni Holder, Square Holder and/or Uni Blank brass all the electrode holders are incl. chip carrier

	<p>Uni panel incl. chip carrier brass compatible with ITS®* clamping system of Erowa AG 2 x Bores Ø 6,5 mm, distance 40 mm for M6 screws incl. 2 screws M6 x 20 mm</p>			
	Order No.	Dimension	Material	Packing unit
	PSE	50,5 x 50,5 x 41 mm	brass	12 pieces
	<p>Uni blank incl. chip carrier brass compatible with ITS®* clamping system of Erowa AG</p>			
	Order No.	Dimension	Material	Packing unit
	PSE 008.100M	50,5 x 50,5 x 41 mm	brass	12 pieces

Square holder BRASS

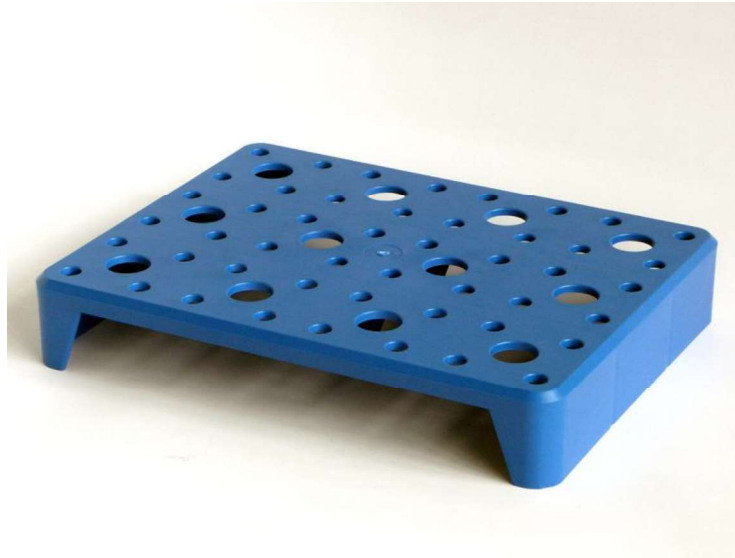
	<p><b>Square holder 15 brass incl. chip carrier</b> compatible with ITS®* clamping system of Erowa AG square 15 x 15 x 20 mm, stop face in the center, square 16,5 mm milled out</p>			
	Order No.	Dimension	Material	Packing unit
	PSE 002.100M	50,5 x 50,5 x 41 mm	brass	12 pieces
	<p><b>Square holder 20 incl. chip carrier</b> compatible with ITS®* clamping system of Erowa AG square 20 x 20 x 20 mm, stop face in the center, square 21,5 mm milled out</p>			
	Order No.	Dimension	Material	Packing unit
	PSE 003.100M	50,5 x 50,5 x 41 mm	brass	12 pieces
	<p><b>Square holder 25 incl. chip carrier</b> compatible with ITS®* clamping system of Erowa AG square 25 x 25 x 20 mm, square 26,5 mm milled out</p>			
	Order No.	Dimension	Material	Packing unit
	PSE 004.100M	50,5 x 50,5 x 41 mm	brass	12 pieces

	<b>Square holder 30 incl. chip carrier</b> compatible with ITS®* clamping system of Erowa AG square 30 x 30 x 20 mm, stop face in the center, square 31,5 mm milled out			
	Order No.	Dimension	Material	Packing unit
	PSE 005.100M	50,5 x 50,5 x 41 mm	brass	12 pieces

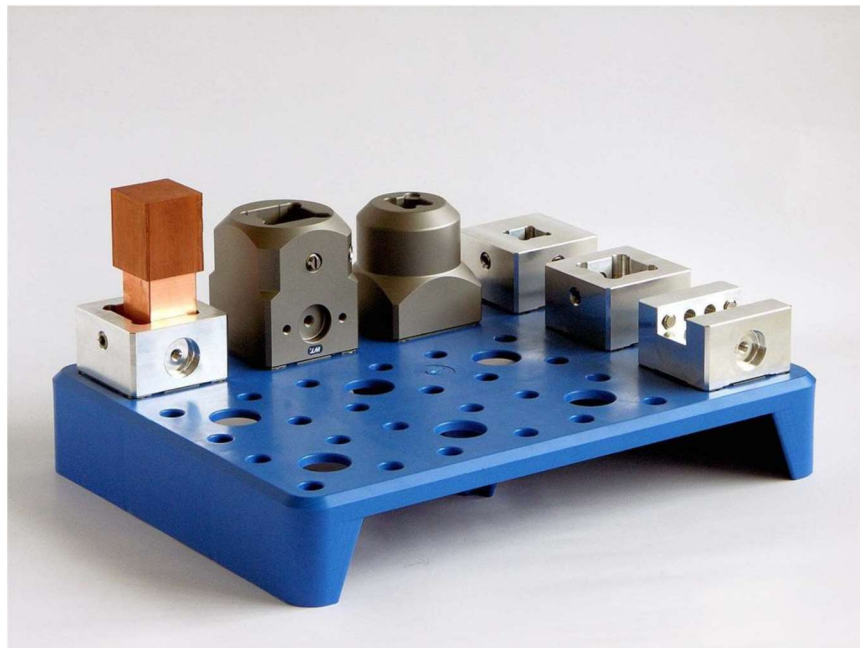
### Uni Holder BRASS

	<b>Uni holder 10 incl. chip carrier</b> compatible with ITS®* clamping system of Erowa AG slot 10,5 x 12,5 mm			
	Order No.	Dimension	Material	Packing unit
	PSE 006.100M	50,5 x 50,5 x 41 mm	brass	12 pieces
	<b>Uni holder 20 incl. chip carrier</b> compatible with ITS®* clamping system of Erowa AG slot 20,5 x 12,5 mm			
	Order No.	Dimension	Material	Packing unit
	PSE 007.100M	50,5 x 50,5 x 41 mm	brass	12 pieces
	<b>Uni holder 25 incl. chip carrier</b> compatible with ITS®* clamping system of Erowa AG slot 25,5 x 12,5 mm			
	Order No.	Dimension	Material	Packing unit
	PSE 009.100M	50,5 x 50,5 x 41 mm	brass	12 pieces

PSE 50 Electrode Stand for 12 Electrode Holders



Dimensions: 290 x 245 x 45 mm



Electrode stand for 12 pieces of Electrode holders , compatible with ITS®\* clamping system of Erowa AG

Dimensions: 290 x 245 x 45 mm

Order No.: PSE-12fold

## Transponder Chip Holder including Data Medium



### Technical Data Chip Holder

Base holder: plastic material, Ø 16,5 mm incl. thread M5

Total height: 18 mm

Thread M5 x 5,5 mm

Chip receiving bore: Ø 12,4 mm

Design: Compatible with all existing systems

Other chip holder colors available upon request

Plastic base holder available also without transponder chip  
(price upon request)

Compatible with ITS®\* clamping system of the Erowa AG

Order-No.: PSE-D16,5 17,5

## Adhesive Transponder Chip Holder



### Technical Data Chip Holder

Base holder: plastic material, 48x16 mm

Chip receiving bore: Ø 12,4 mm

Compatible with ITS®\* clamping system of the Erowa AG

Order-No.: PSE-48-16-7

## Screw Connection Transponder Chip Holder



Technical Data Chip Holder  
Base holder: plastic material, 48 x 22 mm  
Hole distance: 31 mm for screws M4  
Chip receiving bore: Ø 12,4 mm

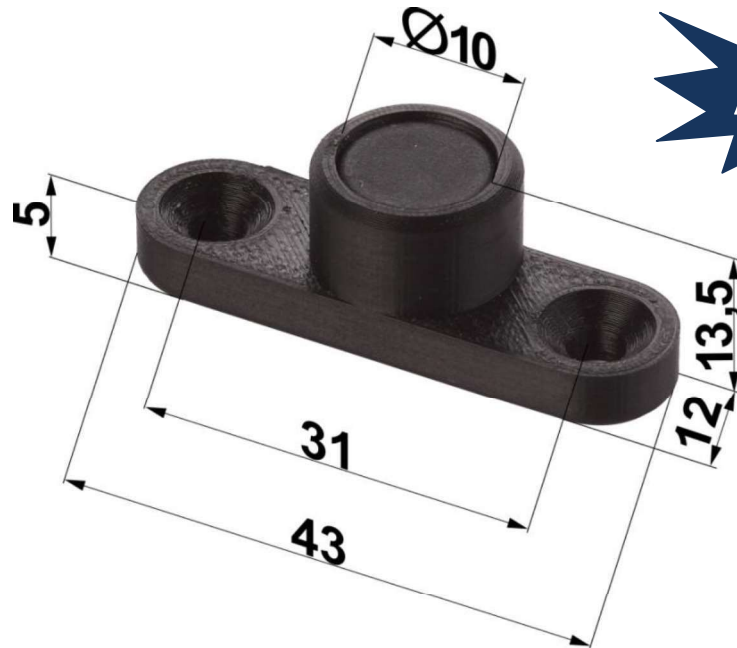
Compatible with ITS®\* clamping system of the Erowa AG

Order-No.: PSE-48-22-7

All 3 different receptive types available for immediate delivery!



Screw Connection Transponder Chip Holder  
including Base



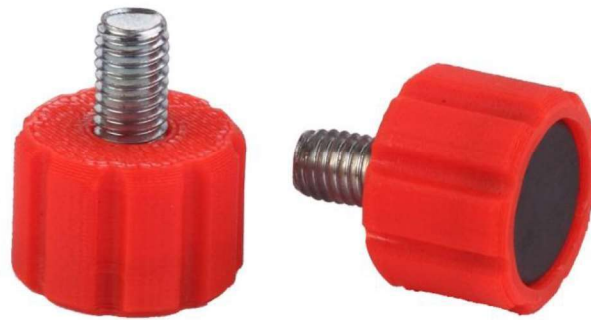
Technical Data Chip Holder  
Base holder: plastic material, 43 x 5 mm  
Hole distance: 31 mm for screws M4 incl. subsidence  
Chip receiving bore:  $\varnothing 10$  mm

Compatible with ITS®\* clamping system of the Erowa AG

Additional chip holder colors available upon request!

Order-No.: PSE-43-5-13,5

## Transponder Chip Holder including Data Medium



### Technical Data Chip Holder

Base holder: plastic material, Ø 15,5 mm incl. thread M5  
Total height: 18,5 mm  
Thread M5 x 8 mm

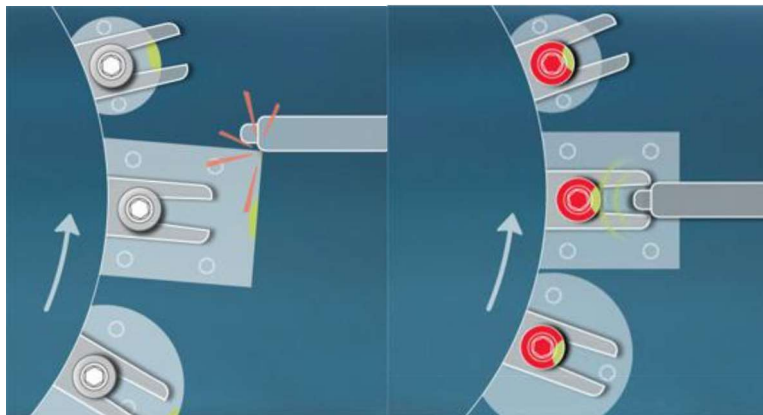
Design: Compatible with all existing systems

Compatible with ITS®\* clamping system of the Erowa AG

Additional chip holder colors available upon request!

Order-No.: PSE-48-22-8

## Expansion Shaft including RFID-Chip



Up to now the RFID-Chip had to be mounted on the electrode holder. The reading interval of the antenna to the chip however varies secondary to changing holder sizes. In addition large dimensioned holders could damage the reader head.

SOLUTION: The RFID-Chip is mounted slightly elevated on the expansion shaft. The distance between chip and reader head remains optimal and a clash is therefore impossible. Ideal and compatible for current market rotary and rack magazines.



Expansion Shaft including Chip  
 Expansion Shaft WUC-F/A incl. special screw and integrated RFID Transponder Chip Dimension:  
 Ø 20 x 45 mm  
 Material: rustproof, hardened 50 HRC  
 Screw head: plastic material, Ø 17,5 mm, Height: 13,5 mm

Compatible with ITS®\* clamping system of the Erowa AG

Order-No.: PSE-48-22-9

### The advantages are clear!

Increase in productivity since various electrode holders can be used  
 Data secure readability since the antenna is optimal positioned  
 No clash risk to electrodes due to deviating dimensions

- 
- 
- 
- No retrofit of the reader antenna thanks to a consistent chip standard
- Compatible with ITS® \* clamping systems of the Erowa AG

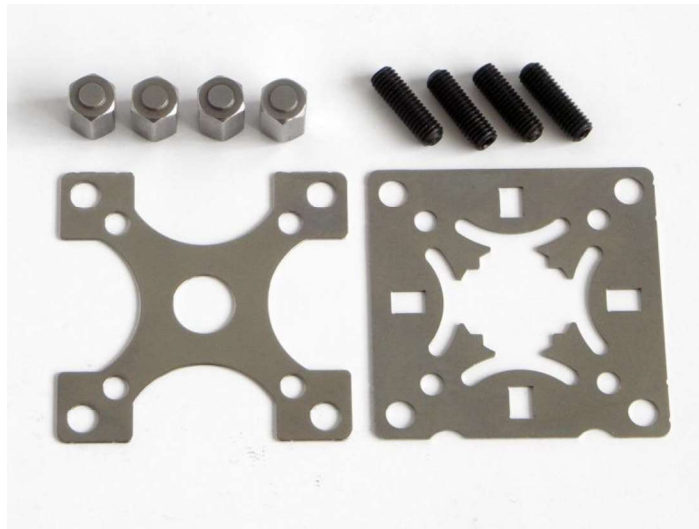
### RFID Transponder Hand-Held Reader



Transponder Hand-Held Reader incl. spiral cable  
 extendible to 6 m  
 PC connection via USB  
 Compatible with ITS® \* clamping systems of the Erowa AG

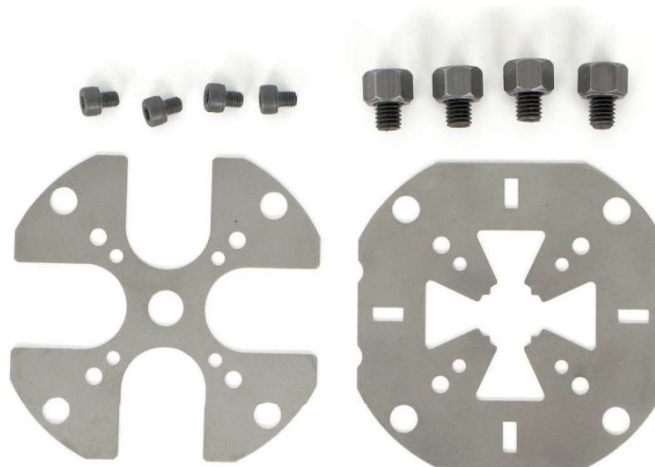
Transponder Hand-Held Reader incl. spiral cable  
 exptendible to 2 m  
 PC connection via USB  
 Compatible with ITS® \* clamping systems of the Erowa AG

## Centering Plate 50x50



1 piece of centering plate rustproof incl. support feet  
Order No.: PSE-Centering Plate 50 compatible  
with ITS®\* clamping system of Erowa AG

## Centering Plate 100



1 piece of centering plate rustproof incl. 4 support feet M8 and screws 4 x M5  
Order No.: PSE-Centering plate 100 compatible  
with ITS®\* clamping system of Erowa AG

This electrode clamping system is especially suitable for electrode sizes from 15 x 15 to 120 x 80 mm.

The electrode is ready for clamping without much preparation.

The system clamps the profile through 2 inclined clamping jaws of 4 mm jaw height.

### Square Clamp Mounting WQS15



#### WQS15

Square holder for profile 15 x 15 mm

Outer dimensions: 51 x 51 x 45 mm

Reference height Z: 41 mm

Material clamping plate: rustproof, hardened 54 HRC

Material basic holder: brass, compatible with ITS®\* clamping system of Erowa AG

Order No.: PSE-WQS15

### Square Clamp Mounting WQS25



#### WQS25

Square holder for profile 25 x 25 mm

Outer dimensions: 51 x 51 x 45 mm

Reference height Z: 41 mm

Material clamping plate: rustproof, hardened 54 HRC

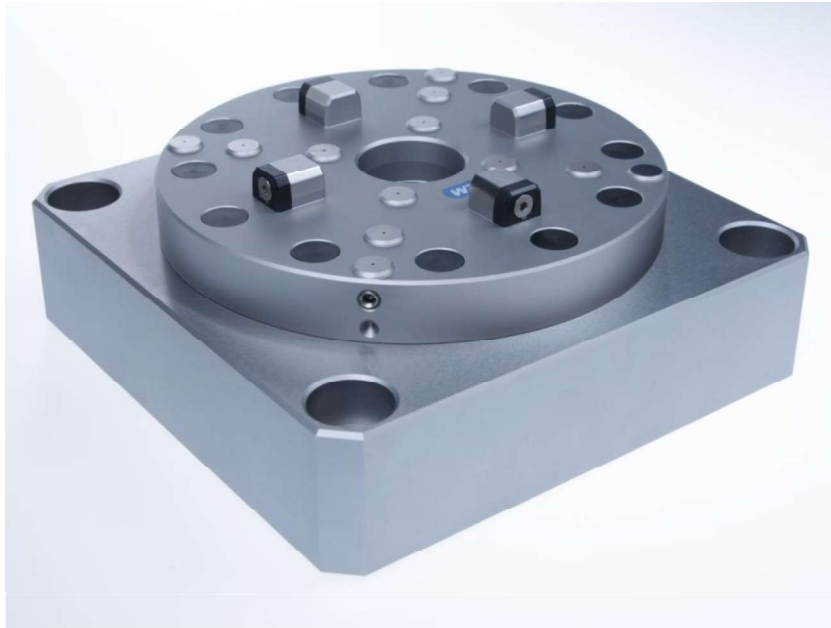
Material basic holder: brass, compatible with ITS®\* clamping system of Erowa AG

Order No.: PSE-WQS25

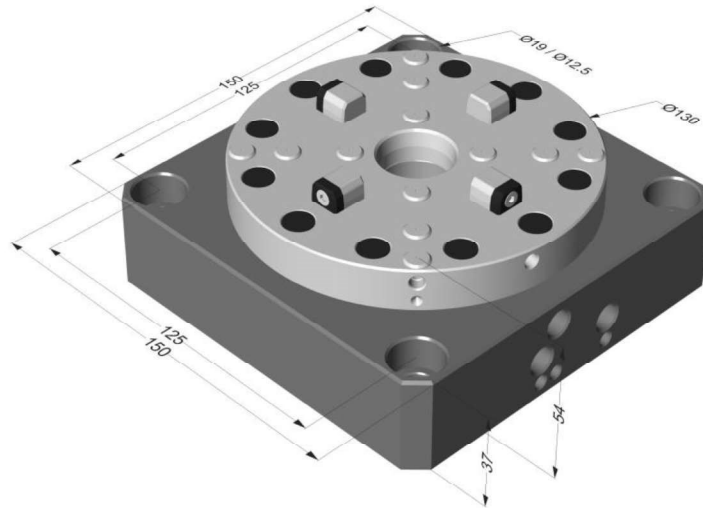
## Palletizing System MPS 130 Modular

Zero point clamping chuck P130 for milling, sanding, drilling and vertical eroding machines

MPS130 1 incl. Indexing

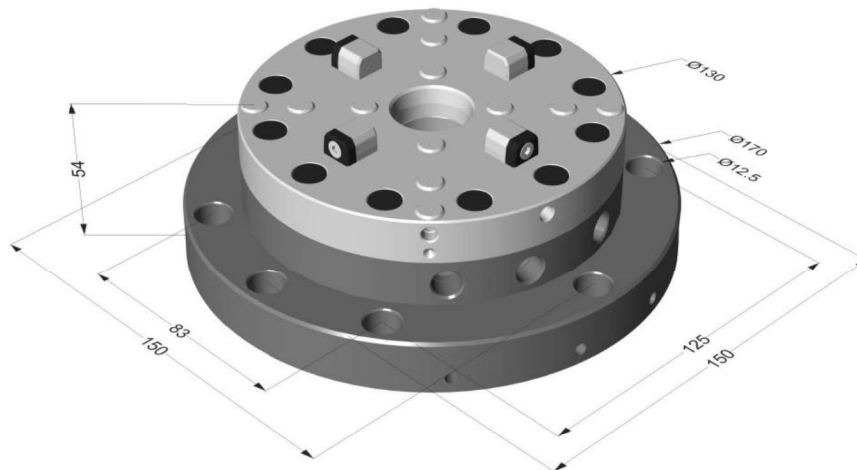


### MPS130 1 incl. Indexing



Order No.: PSE-MPS1130

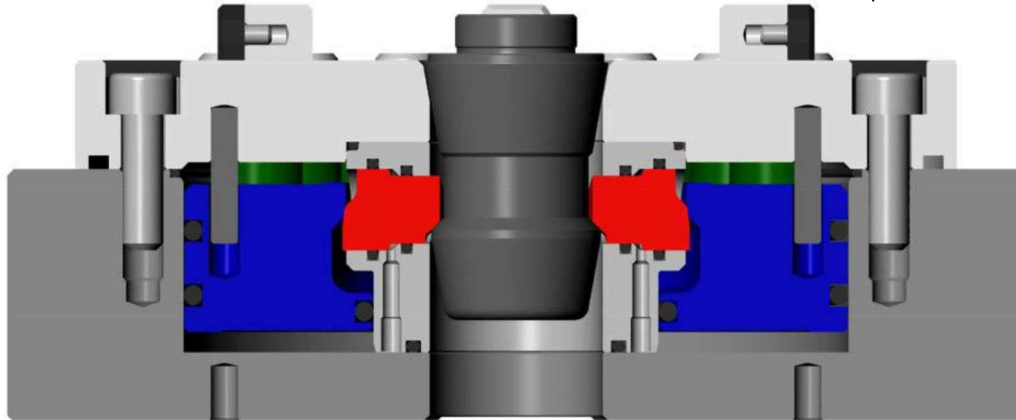
### MPS130D150 1 incl. Indexing



Design

Clamping force see Technical Data  
Basic systems for pallets INOX  $\varnothing$  130 x 30 mm,  $\varnothing$  148 x 30 mm and/or ALU pallet 198 x 198 x 40 mm Repetition accuracy  $\pm 0,002$  mm  
Indexing, pallet position oriented 4 x 90°

Order No.: PSE-MPS1130R



### New Clamping Mechanism

The system is completely sealed to avoid penetration of shavings or emulsions.

A seal is not necessary but optionally available.

Our New construction has a considerably greater rigidity than existing systems with spheres resulting in no vibrations during processing.

We have also attached protection caps for the XYZ references.

### Technical Data MPS130

Repetition accuracy: 0,002 mm

Indexing: 4 x 90°

Clamping force without pressure amplification: 12.000 N

Clamping force of turbo function including opening/re-tightening and cleaning: 16.000 N (6 bar)

Clamping force of turbo function including opening/re-tightening and cleaning: 22.000 N (8 Bar)

Machine table mountable with screws M12, distance 125 mm

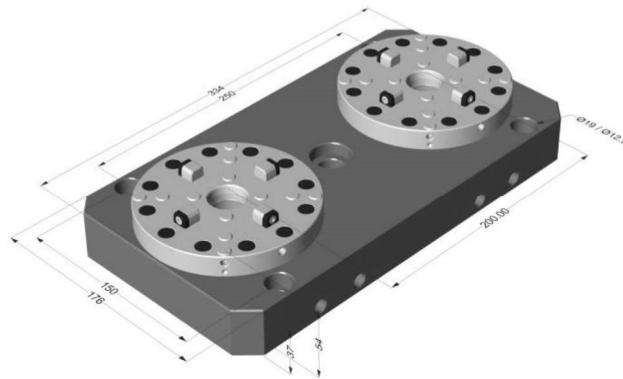
Dimensions: 150 x 150 x 52 mm

Material: rustproof, hardened at 60 HRC

Operated by control unit or compressed air gun

The system is controllable from the base plate for use on 5-axis machining centers.

### MPS130 2er incl. Indexing



Design

Clamping force see Technical Data

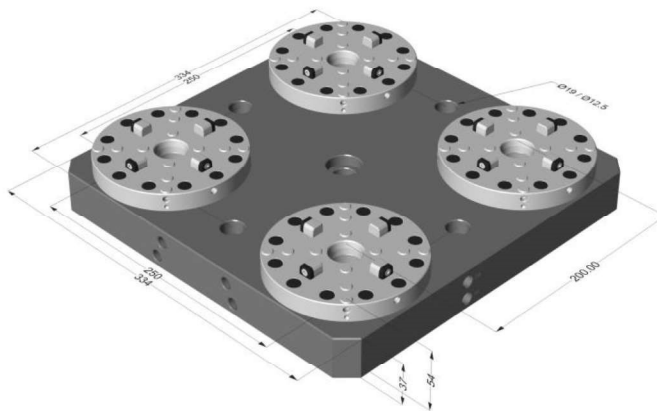
Basic systems for pallets rustproof Ø 130 x 30 mm, Ø 148 x 30 mm and/or  
ALU pallet 198 x 198 x 40 mm, 398 x 198 x 40 mm

Repetition accuracy:  $\pm 0,002$  mm

Indexing, pallet position oriented 4 x 90°

Order No.: PSE-MPS21130

### MPS130 4er incl. Indexing



Design

Clamping force see Technical Data

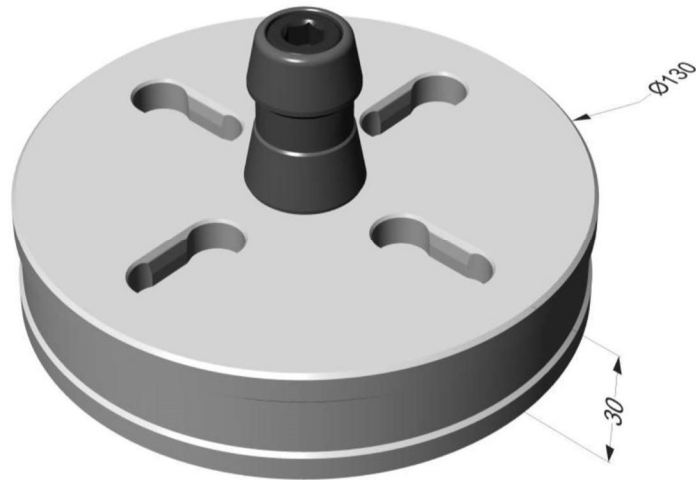
Basic systems for pallets rustproof Ø 130 x 30 mm, Ø 148 x 30 mm and/or  
ALU pallet 198 x 198 x 40 mm, 398 x 198 x 40 mm und 398 x 398 x 40 mm

Repetition accuracy:  $\pm 0,002$  mm

Indexing, pallet position oriented 4 x 90°

Order No.: PSE-MPS41130

Pallet rustproof Ø 130 x 30 mm



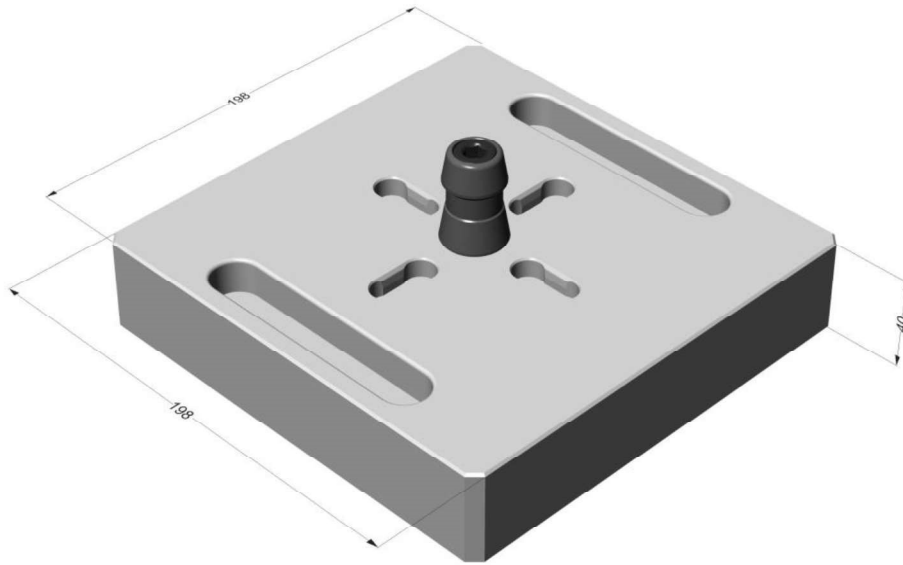
Order No.: PSE-P130-30 rustproof

Pallet rustproof Ø 148 x 30 mm



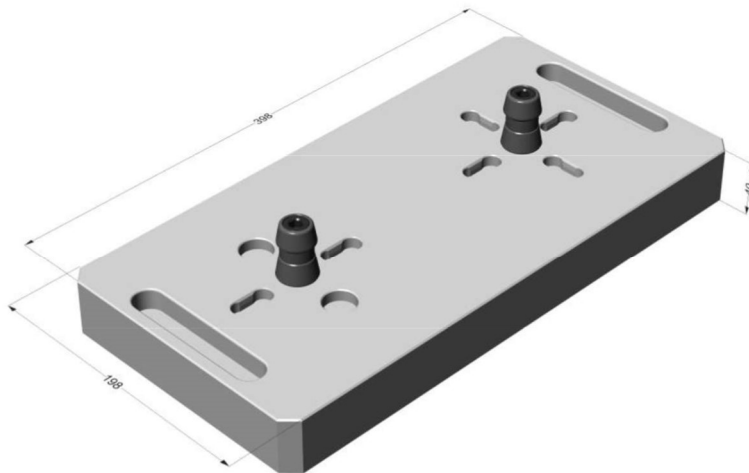
Order No.: PSE-P148-30 rustproof

Pallet ALU 198 x 198 x 40 mm



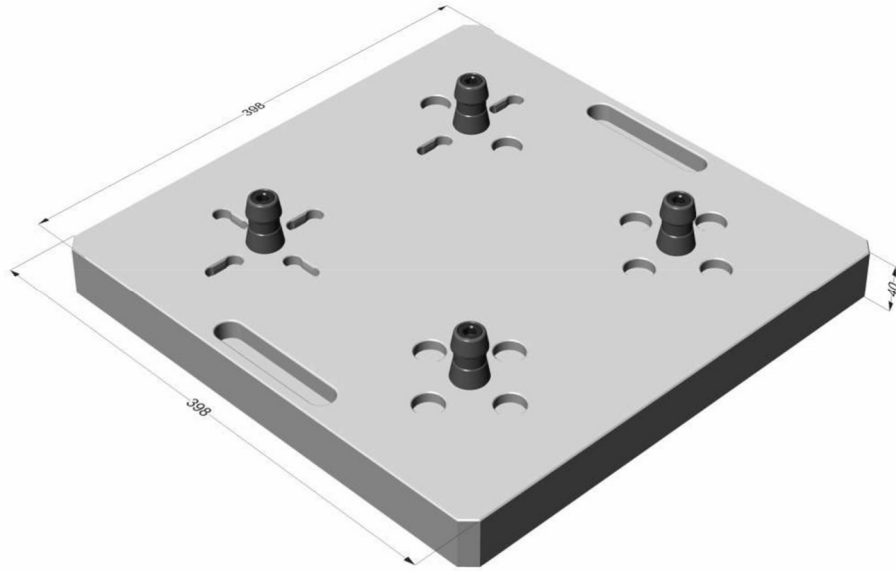
Order No.: PSE-P198-40 ALU

Pallet ALU 198 x 398 x 40 mm



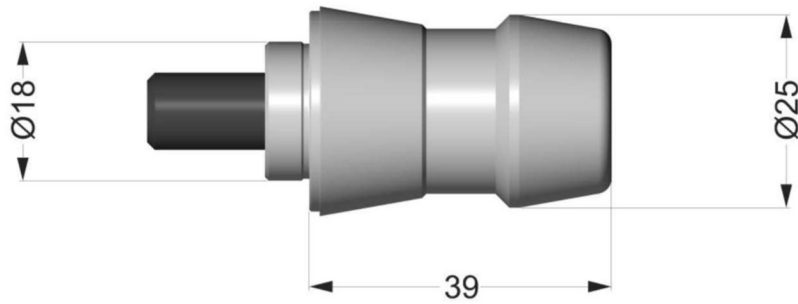
Order No.: PSE-P198-398-40 ALU

Pallet ALU 398 x 398 x 40 mm



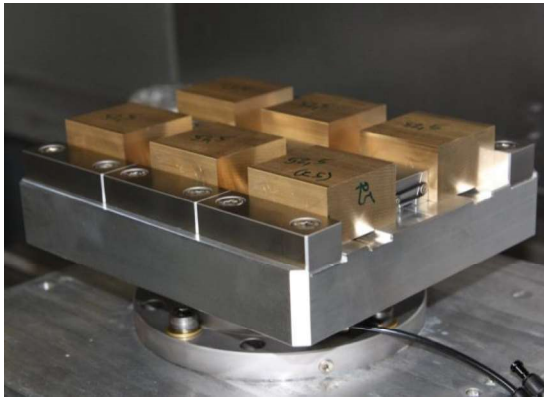
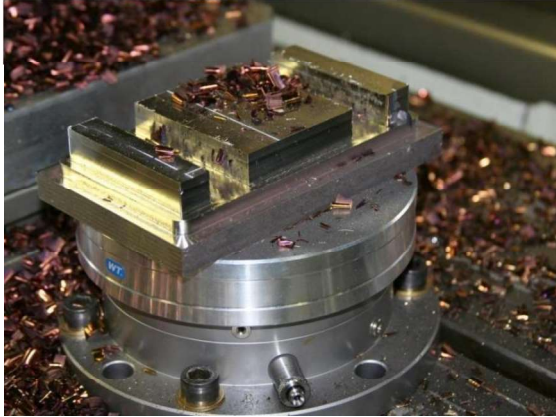
Order No.: PSE-P398-398-40 ALU

Clamping spigot MPS

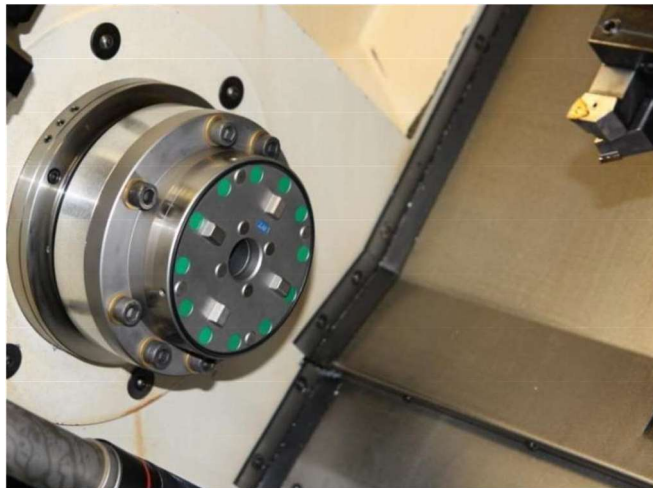


Order No.: PSE-S130

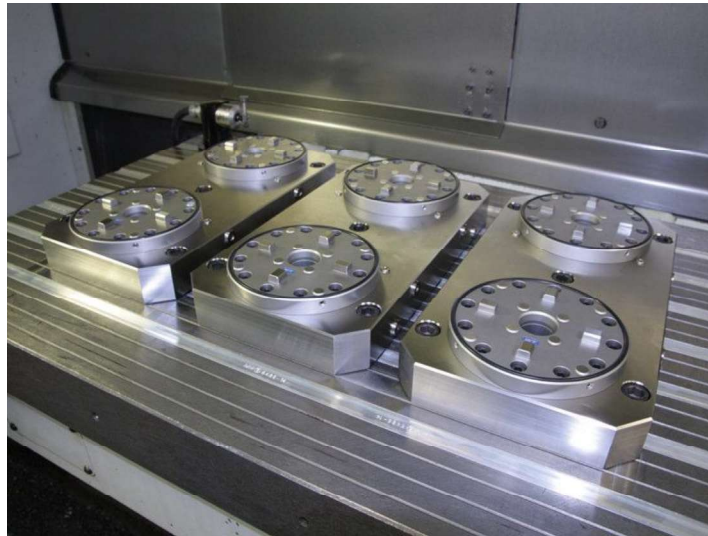
Examples of Use



MPS2130 1 D150 on a lathe



P2130 2 on a milling machine



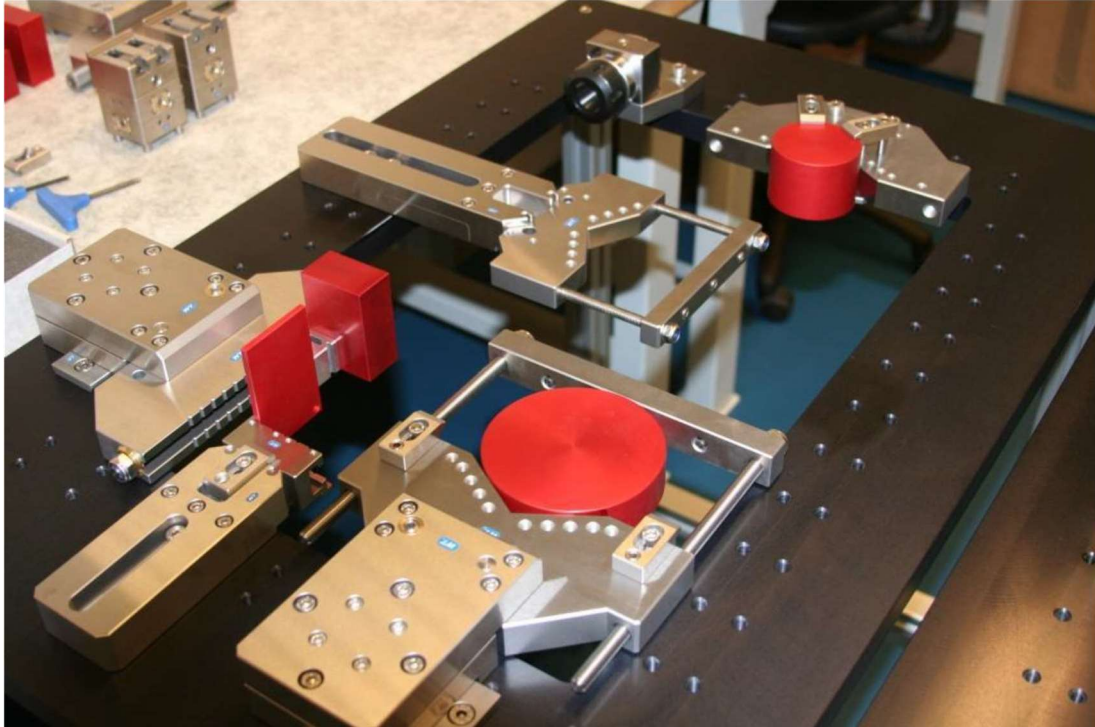
Control unit RCV 5000 GV6 for clamping and releasing the pallets



Design

Pneumatic control unit for all pallet chucks  
All pallet chucks are individually controllable

## PSE WEDM CLAMPING SYSTEM for wire eroding machine



DEMO table with examples of use from practice

- ◆ Every component is hardened and rustproof
- ◆ Maximum tolerance at 100 mm 0,001 mm
- ◆ Sets for other types of wire eroding machines on request
- ◆ Special solutions possible

The right equipment for the right area of application with sophisticated combinations of basic rulers and 3D tip holders allows clamping of any possible workpiece.

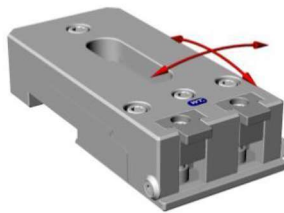
Precision Tip Holder  
For fine machining on wire erosion

Tip holder with guided clamping jaws WZJ130R



Tip holder for adjustable workpiece setting in 2 axes  
Mounting for WL75 or WL125 reference ruler Dimension:  
130 x 60 x 30 mm

Order No.: PSE-WZJ130R



Adjustable in XZ/YZ  $\pm 0,4^\circ$



Workpiece height max. 40 mm



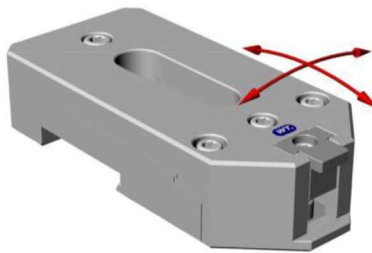
Workpiece height min. 0,25 mm

## Tip holder with guided clamping jaw WZJ130VR



Tip holder for adjustable workpiece setting in 2 axes  
Mounting for WL75 or WL125 reference ruler  
Dimension: 130 x 60 x 30 mm

Order No.: PSE-WZJ130VR



Adjustable in XZ/YZ  $\pm 0,4^\circ$



Workpiece height max. 40 mm



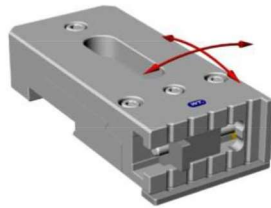
Workpiece height min. 0,25 mm

## Tip holder with guided clamping jaws WZJ130HR



Tip holder for adjustable workpiece setting in 2 axes  
Mounting for WL75 or WL125 reference ruler  
Dimension: 130 x 60 x 30 mm

Order No.: PSE-WZJ130HR



Adjustable in XZ/YZ  $\pm 0,4^\circ$



length max. 100 mm



Workpiece  
Workpiece length min. 0,25 mm

## Clamping jaws for tip holder WZJ130HR



Clamping jaws of 0-33 mm  
Order No.: PSE-WS/WRS 0-33

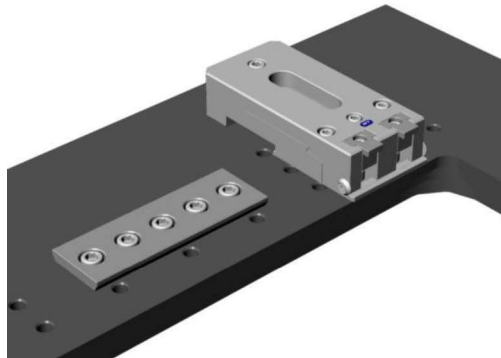


Clamping jaws of 33-66 mm  
Order No.: PSE-WS/WRS 33-66



Clamping jaws of 66-100 mm  
Order No.: PSE-WS/WRS 66-100

## CLAMPING SYSTEM WEDM Reference Rulers



WL75-M8

Reference element of series 200xJ-X  
Dimensions: L = 75 mm, mounting holes for M8 screws  
Hole spacing 25 mm appropriate for all wire eroding machines

Order No.: PSE-WL75-M8

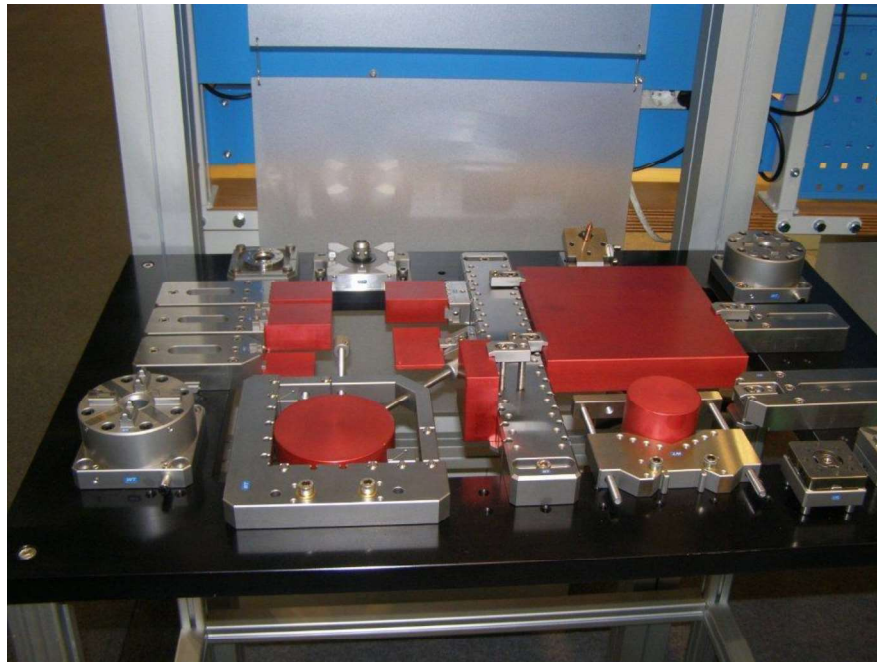
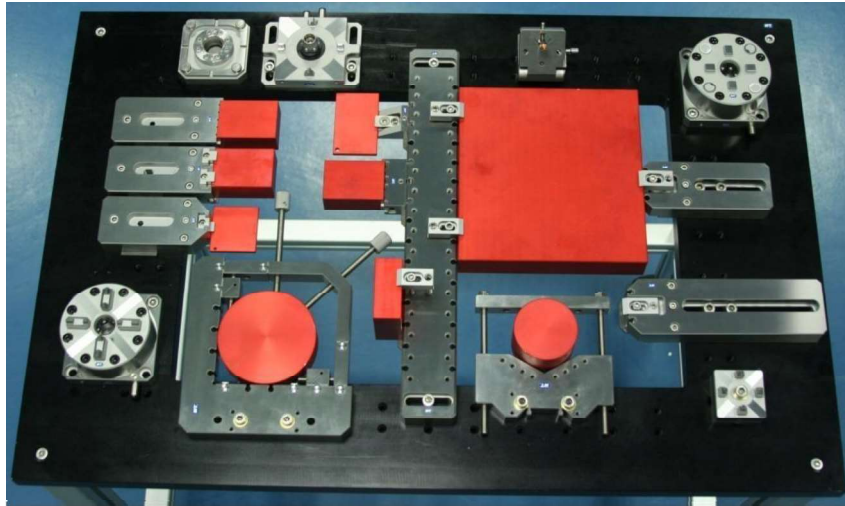


WL150-M8

Order No.: PSE-WL150-M8  
Reference element of series 200.xJ-X  
Dimensions: L = 125 mm, mounting holes for M8 screws  
Hole spacing 25 mm appropriate for all wire eroding machines

Order No.: PSE-WL150-M8

DEMO table with examples of use from practice



## PSE Pneumatic Flat Chuck WPC80S

For mounting on Z-zero basis

Workpiece loading max. workpiece weight 30 kg with Z-support, 15 kg without Z-support.

Lateral connections for opening and re-tightening

Flat chuck also available with Z-support cleaning, compatible with ITS®\* clamping system of Erowa AG

Order No.: PSE-WPC80SC



Dimensions: 120 x 90 x 44 mm



## PSE Pneumatic Horizontal Chuck 50 for

flat chuck WPC56H100 FSF

Workpiece loading max. workpiece weight 30 kg with Z-support, 15 kg without Z-support.

Lateral connections for opening and re-tightening

Flat chuck also available with Z-support cleaning, compatible with ITS®\* clamping system of Erowa AG

Dimensions: 120 x 90 x 44 mm

Order No.: PSE-WPC56HC- 100 FSF

## REFERENCE RULERS

Our WIRE-EDM range includes two types of reference rulers.

All reference rulers are ground within a tolerance of  $\pm 0,001$  mm (100 mm length).

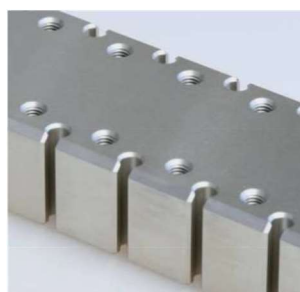
Z-supports are available as accessories for the reference rulers.

Dimensions 40 x 23.5 x 5 mm with hole spacing 25 mm for M6 screws

The length of the reference rulers and the distance of mounting grooves for M8 screws are made according to machine type. 2x spacers 60 x 35 x 5 mm are available as accessories in order to reach a Z-O spacing.



Standard - D



**LOGIC - L**

System **LOGIC** for further extension of clamping possibilities through quick clamping elements



Reference ruler Type D



Reference ruler Type L

## VERTICALLY ADJUSTABLE Tip Holders WZ

Tip holder for easy setting of the workpiece plane  
Construction allows longitudinal and vertical setting of the plane  
Range of vertical setting:  $\pm 0,25$  mm, adjustable



WZ150L

Tip holder with system **LOGIC**

System **LOGIC** for further extension of clamping possible clamping possibilities  
Dimensions: 150 x 60 x 30 mm, groove for M8 screw Maximum workpiece weight: 50 kg

Order No.: PSE-WZ150L



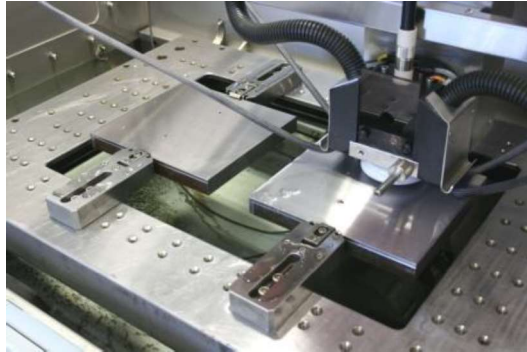
WZ220L

Tip holder with system **LOGIC**

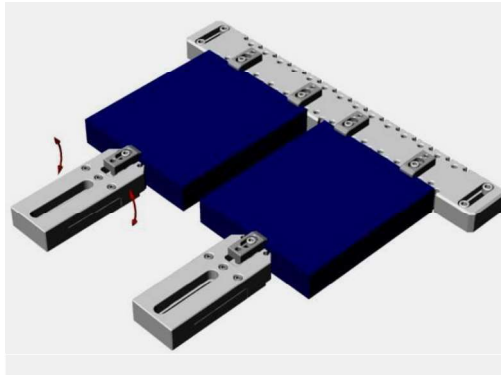
System **LOGIC** for further extension of clamping possibilities  
Dimensions: 220 x 66 x 30 mm, groove for M8 screw  
Maximum workpiece weight: 60 kg

Order No.: PSE-WZ220L

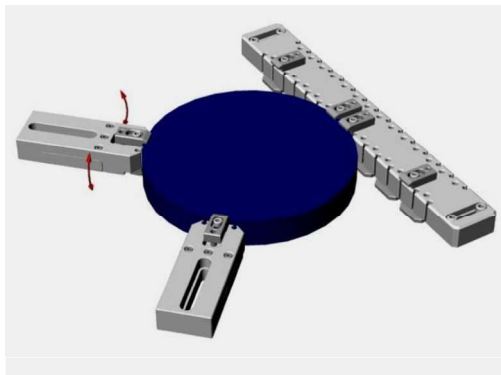
## Examples of workpiece fixations



Workpiece fixation with 4 pieces of tip holders WZ150L

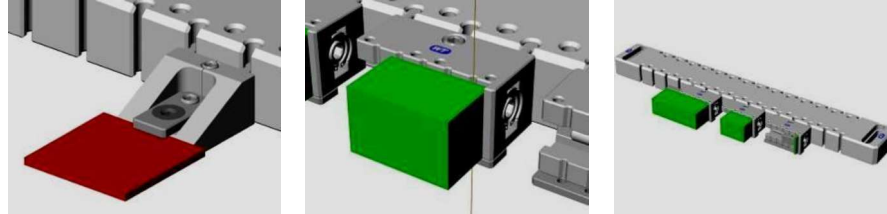


Workpiece fixation with 2 pieces of tip holders WZ150L and reference ruler



Round workpiece fixation with 2 pieces of tip holders WZ150L and reference ruler

## ACCESSORIES FOR REFERENCE RULERS



**WSD25L**

Low-profile clamp for thin workpieces  
Mounting on reference ruler Type L Dimensions:  
35 x 40 x 20 mm  
Order No.: PSE-WSD25L



**WS60L**

Vice for small workpieces  
Clamping range: 0 - 100 mm  
Mounting on reference ruler Type L Dimensions:  
60 x 35 x 30 mm  
Order No.: PSE-WS60L

## ACCESSORIES FOR TIP HOLDERS WZ



WSD34LZ

Low-profile clamp for thin workpieces  
Mounting on basic ruler WZ150L or WZ220L Dimensions:  
42 x 40 x 20 mm  
Order No.: PSE-WSD34LZ

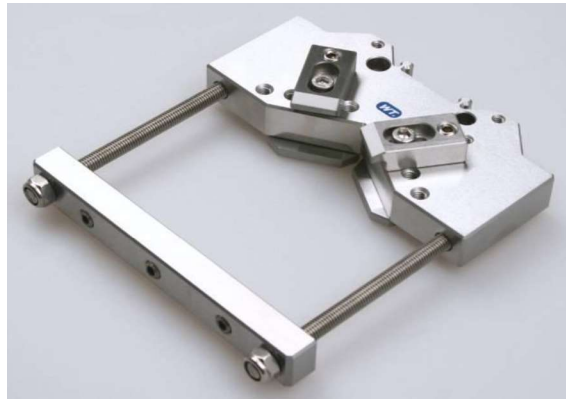


WS60LZ

Vice for small workpieces  
Clamping range: 0 - 100mm  
Mounting on basic ruler WZ150L or WZ220L Dimensions:  
60 x 35 x 30 mm  
Order No.: PSE-WS60LZ

Prism for round or rectangular workpieces  
Clamping range: 10 - 120 mm, 120 x 120 mm  
Mounting on basic rulers WZ150L, WZ220L  
Dimensions: 86 x 150 x 19 mm

Order No.: PSE-WNP120L



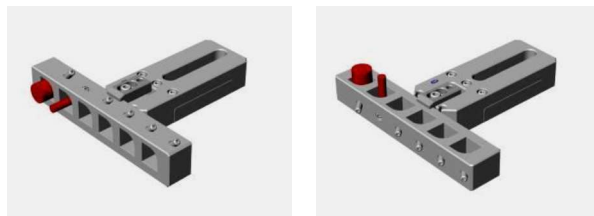
WNP120L



WPR200

Prism for round workpieces  
Clamping range:  $\varnothing$  3 - 20 mm  
Mounting on tip holder WZ150L, WZ220L Dimensions:  
200 x 36 x 28 mm

Order No.: PSE-WPR200



## CLAMPING SYSTEM WEDM



WL75-M8

Reference element of series 200xJ-X  
Dimensions: L = 75 mm Mounting  
holes for M8 screws

Order No.: PSE-WL75-M8



WL150-M8

Reference element of series 200.xJ-X  
Dimensions: L = 150 mm Mounting  
holes for M8 screws

Order No.: PSE-WL150-M8

## ACCESSORIES FOR CLAMPING SYSTEM WEDM

Pendulum heads enable quick alignment in three axes  
Workpiece can be preset on a stone plate outside the machine



WND10

3D pendulum head  
Adjustable in three axes  $\pm 1^\circ$   
Maximum workpiece weight: 10 kg Dimensions:  
130 x 85 x 39 mm

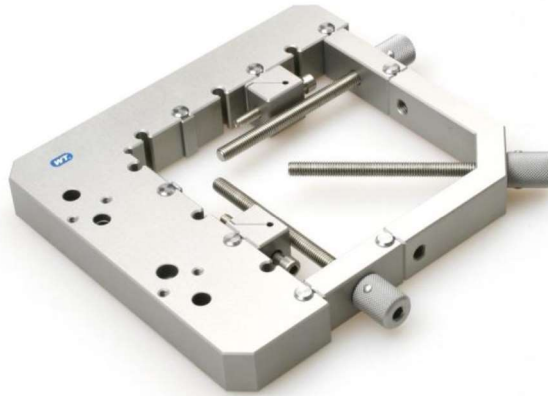
Order No.: PSE-WND10



WND15HP

3D Pendulum head  
Adjustable in three axes  $\pm 1^\circ$   
Maximum workpiece weight: 15 kg Dimensions:  
140 x 90 x 48 mm

Order No.: PSE-WND15HP



### FRAME SET WST120 for WND15HP

Basic set for round or rectangular workpieces  
Clamping range of  $\varnothing$  120 mm or 120 x 120 mm  
Mounting on WND15HP  
Dimensions: 205 x 185 x 25 mm

Order No.: PSE-WST120

### Workpiece clamping





WS150 HP

SUPER VICE for larger workpieces  
Clamping range: 0 - 150 mm  
Maximum workpiece weight: 15 kg  
Mounting on WND15HP  
Dimensions: 205 x 100 x 25 mm

Order No.: PSE-WS150 HP



WNP175

Prism for round or rectangular workpieces  
Clamping range:  $\varnothing$  10 - 175 mm,  $\square$  175 x 175 mm  
Maximum workpiece weight: 15 kg  
Mounting on WND15HP  
Dimensions: 205 x 128 x 25 mm

Order No.: PSE-WNP175



WND10 SET

Basic set for small workpieces of round or rectangular profile  
Maximum workpiece dimension:  $\varnothing$  120 mm,  $\square$  120 x 120 mm  
Maximum workpiece weight: 10 kg

Order No.: PSE-WND10 SET



### WNDP15HP SET

Set for workpieces of round or rectangular profile  
Maximum workpiece dimension:  $\varnothing$  10 - 175 mm,  $\square$  175 x 175 mm  
Maximum workpiece weight: 15 kg

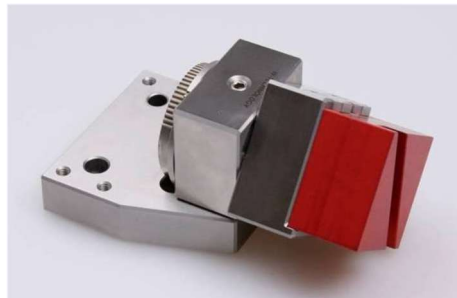
Order No.: PSE-WNDP15HP SET



### WDP56 SET

Swivel vice for workpieces of round or rectangular profile  
Clamping range:  $\varnothing$  2 - 20 mm, vice 1 - 100 mm  
Mounting on WND 10 and WND15HP or  
directly on the machine table  
Angle adjustment by means of a cutting disk by  $1^\circ$  each,  
or a sine ruler

Order No.: PSE-WDP56 SET



### WDP56

Swivel vice  
Clamping range: 0 - 100 mm  
Order No.: PSE-WDP56



WDP56-ER32

Swivel vice incl. collet chuck ER32 Clamping range: Ø 2 - 20 mm

Order No.: PSE-WDP56-ER32



WRS56

Pendulum swivel vice adjustable in three axes including angle adjustment  
Clamping range: 0 to 100 mm, angle adjustment: 360°, compatible with ITS® clamping system of Erowa AG  
Dimensions: 56 x 56 x 94 mm  
Order No.: PSE-WRS56

## Basic Element for WRS56



WRS56-1  
Basic element

Order No.: PSE-WRS56-1



WRS56-2  
Clamping part with 2 clamping jaws

Order No.: PSE-WRS56-2



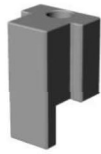
WRS56-3  
Accessories for tip holder (set of 4 pieces)

Order No.: PSE-WRS56-3



WRS56-11/13  
Accessories for swivel head

Order No.: PSE-WRS56-11/13



Clamping jaws of 0 - 33mm

Order No.: PSE-WS/WRS 0-33



Clamping jaws of 33 - 66mm

Order No.: PSE-WS/WRS 33-66



Clamping jaws of 66 - 100mm

Order No.: PSE-WS/WRS 66-100



WRS56V

Pendulum swivel Vice, adjustable in three axes with angle adjustment  
Clamping range: 0 to 100 mm, angle adjustment: 360°, compatible with ITS® clamping system of Erowa AG  
Dimensions: 56 x 56 x 94 mm  
Order No.: PSE-WRS56V

## Basic element for WRS56V



Basic element

Order No.: PSE-WRS56V-1



Clamping part with 2 clamping jaws

Order No.: PSE-WRS56V-2



Accessories for tip holder (set of 4 pieces)

Order No.: PSE-WRS56V-3



Accessories for swivel head

Order No.: WRS56V-11/13

## BASIC SETS FOR WIRE ERODING MACHINES

Consisting of reference ruler and 2 tip holders WZ150L-SET



WL330D SET

Basic set Robofil 240  
Dimensions: groove for M8 screws, distance: 290 mm  
Total length: 330 mm  
Maximum workpiece weight: 200 kg  
compatible with Robofil

Order No.: PSE-WL330D SET



WL330L SET

Basic set for Robofil 240  
System **LOGIC** for further extension of clamping possibilities  
Dimensions: groove for M8 screws, distance: 290 mm  
Total length: 330 mm  
Maximum workpiece weight: 200 kg  
compatible with Robofil

Order No.: PSE-WL330L SET



#### WL454D SET

Basic set for Robofil 390

Dimensions: groove for M8 screws, distance: 414 mm

Total length: 454 mm

Maximum workpiece weight: 200 kg

compatible with Robofil

Order No.: PSE-WL454D SET



#### WL454L SET

Basic set for Robofil 390

System **LOGIC** for further extension of clamping possibilities

Dimensions: groove for M8 screws, distance: 414 mm

Total length: 454 mm

Maximum workpiece weight: 200 kg

compatible with Robofil

Order No.: PSE-WL454L SET



#### WL460D SET

Basic set for Robofil 440

Dimensions: groove for M8 screws, distance: 420 mm

Total length: 460 mm

Maximum workpiece weight: 200 kg

compatible with Robofil

Order No.: PSE-WL460D SET



#### WL460L SET

Basic set for Robofil 440

System **LOGIC** for further extension of clamping possibilities

Dimensions: groove for M8 screws, distance: 420 mm

Total length: 460 mm

Maximum workpiece weight: 200 kg

compatible with Robofil

Order No.: PSE-WL460L SET



#### WL410D SET

Basic set for Agie Series 2 Dimensions: groove for M8 screws, distance: 370 mm

Total length: 410 mm

Maximum workpiece weight: 200 kg

compatible with Agie\*

Order No.: PSE-WL410D SET



#### WL410L SET

Basic set for Agie Series 2

System **LOGIC** for further extension of clamping possibilities

Dimensions: groove for M8 screws, distance: 370 mm

Total length: 410 mm

Maximum workpiece weight: 200 kg compatible

with Agie\*

Order No.: PSE-WL410L SET



#### WL510D SET

Basic set for Agie Series 3

Dimensions: groove for M8 screws, distance: 469 mm

Total length: 509 mm

Maximum workpiece weight: 200 kg  
compatible with Agie\*

Order No.: PSE-WL510D SET



#### WL510L SET

Basic set for Agie Series 3

System **LOGIC** for further extension of clamping possibilities

Dimensions: groove for M8 screws, distance: 469 mm

Total length: 509 mm

Maximum workpiece weight: 200 kg  
compatible with Agie\*

Order No.: PSE-WL510L SET



#### WL416D SET

Basic set for FANUC a0i

Dimensions: groove for M8 screws, distance: 376 mm

Total length: 416 mm

Maximum workpiece weight: 200 kg  
compatible with FANUC\*

Order No.: PSE-WL416D SET



WL416L SET

Basic set for Fanuc a0i  
System **LOGIC** for further extension of clamping possibilities  
Dimensions: groove for M8 screws, distance: 376 mm  
Total length: 416 mm  
Maximum workpiece weight: 200 kg  
compatible with Fanuc\*  
Order No.: PSE-WL416L SET



WL466D SET

Basic set for Fanuc a0i3  
Dimensions: groove for M8 screws, distance: 426 mm  
Total length: 466 mm  
Maximum workpiece weight: 200 kg  
compatible with Fanuc\*  
Order No.: PSE-WL466D SET



WL466L SET

Basic set for Fanuc a0i3  
System **LOGIC** for further extension of clamping possibilities  
Dimensions: groove for M8 screws, distance: 426 mm  
Total length: 466 mm  
Maximum workpiece weight: 200 kg  
compatible with Fanuc\*  
Order No.: PSE-WL466L SET



#### WL490D SET

Basic set for Fanuc a1i

Dimensions: groove for M8 screws, distance: 450 mm

Total length: 490 mm

Maximum workpiece weight: 200 kg

compatible with Fanuc\*

Order No.: PSE-WL490D SET



#### WL490L SET

Basic set for Fanuc a1i

System **LOGIC** for further extension of clamping possibilities

Dimensions: groove for M8 screws, distance: 450 mm

Total length: 490 mm

Maximum workpiece weight: 200 kg

compatible with Fanuc\*

Order No.: PSE-WL490L SET



#### WL520D SET

Basic set for Fanuc a1iD

Dimensions: groove for M8 screws, distance: 480 mm

Total length: 520 mm

Maximum workpiece weight: 200 kg

compatible with Fanuc\*

Order No.: PSE-WL520D SET



WL520L SET

Basic set for Fanuc aLiD  
System **LOGIC** for further extension of clamping possibilities  
Dimensions: groove for M8 screws, distance: 480 mm  
Total length: 520 mm  
Maximum workpiece weight: 200 kg  
compatible with Fanuc\*  
Order No.: PSE-WL520L SET



WL450L SET

Basic set for Fanuc 400iA  
System **LOGIC** for further extension of clamping possibilities  
Dimensions: groove for M8 screws, distance: 426 mm  
Total length: 450 mm  
Maximum workpiece weight: 200 kg  
compatible with Fanuc\*  
Order No.: PSE-WL450L SET



WL450D SET

Basic set for Fanuc 400iA  
Dimensions: groove for M8 screws, distance: 426 mm  
Total length: 450 mm  
Maximum workpiece weight: 200 kg  
compatible with Fanuc\*  
Order No.: PSE-WL450D SET



#### WL504L SET

Basic set for Fanuc 600iA  
System **LOGIC** for further extension of clamping possibilities  
Dimensions: groove for M8 screws, distance: 480 mm  
Total length: 504 mm  
Maximum workpiece weight: 200 kg  
compatible with Fanuc\*  
Order No.: PSE-WL504L SET



#### WL504D SET

Basic set for Fanuc 600iA  
Dimensions: groove for M8 screws, distance: 480 mm  
Total length: 504 mm  
Maximum workpiece weight: 200 kg  
compatible with Fanuc\*  
Order No.: PSE-WL504D SET



#### WL470D SET

Basic set for Mitsubishi FA20  
Dimensions: groove for M8 screws, distance: 430 mm  
Total length: 470 mm  
Maximum workpiece weight: 200 kg  
compatible with Mitsubishi\*  
Order No.: PSE-WL470D SET



WL470L SET

Basic set for Mitsubishi FA20  
System **LOGIC** for further extension of clamping possibilities  
Dimensions: groove for M8 screws, distance: 430 mm  
Total length: 470 mm  
Maximum workpiece weight: 200 kg  
compatible with Mitsubishi\*  
Order No.: PSE-WL470L SET



WL710D SET

Basic set for Sodick Premium  
Dimensions: groove for M8 screws, distance: 670 mm  
Total length: 710 mm  
Maximum workpiece weight: 200 kg  
compatible with Sodick\*  
Order No.: PSE-WL710D SET



WL710L SET

System **LOGIC** for further extension of clamping possibilities  
Basic set for Sodick Premium  
Dimensions: groove for M8 screws, distance: 670 mm  
Total length: 710 mm  
Maximum workpiece weight: 200 kg  
compatible with Sodick\*  
Order No.: PSE-WL710L SET



#### WL510D SET

Basic set for Sodick AQ327L

Dimensions: groove for M8 screws, distance: 510 mm

Total length: 470 mm

Maximum workpiece weight: 200 kg  
compatible with Sodick\*

Order No.: PSE-WL510D SET



#### WL510L SET

Basic set for Sodick AQ327L

System **LOGIC** for further extension of clamping possibilities

Dimensions: groove for M8 screws, distance: 510 mm

Total length: 470 mm

Maximum workpiece weight: 200 kg  
compatible with Sodick\*

Order No.: PSE-WL510L SET

Basic sets for other machines on request

## Basic Ruler for Wire Eroding Machines

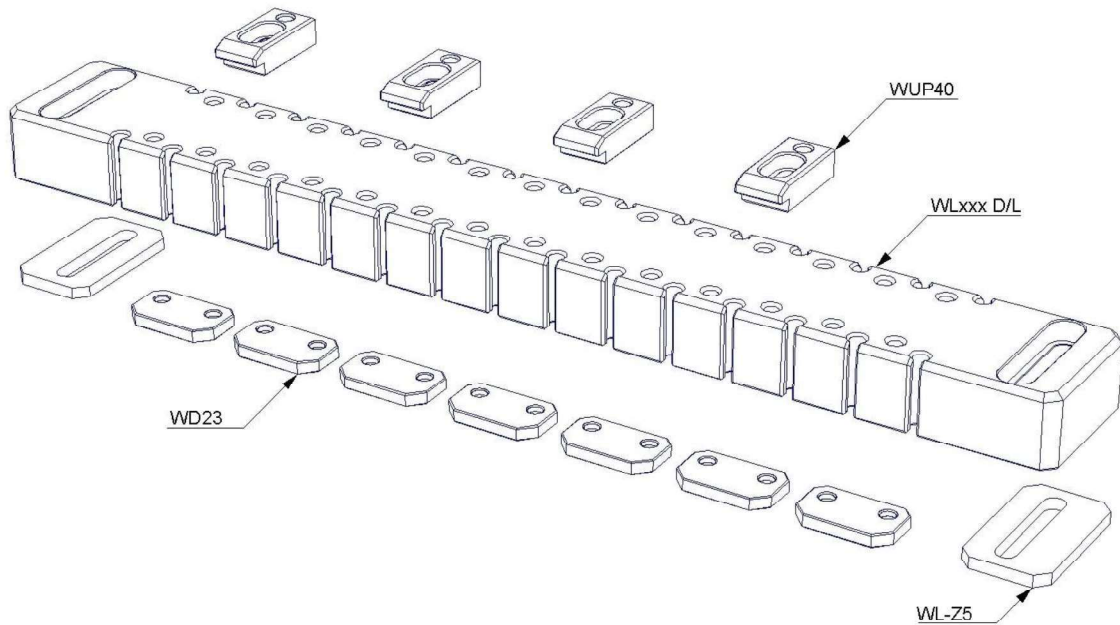


Reference ruler Type D

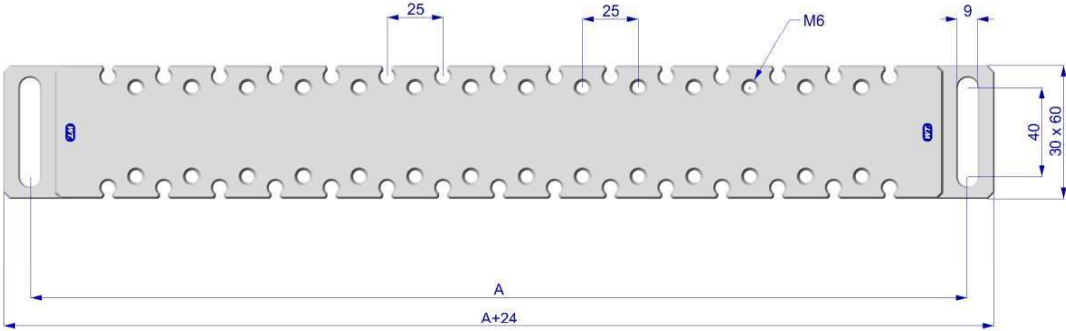


Reference ruler Type L

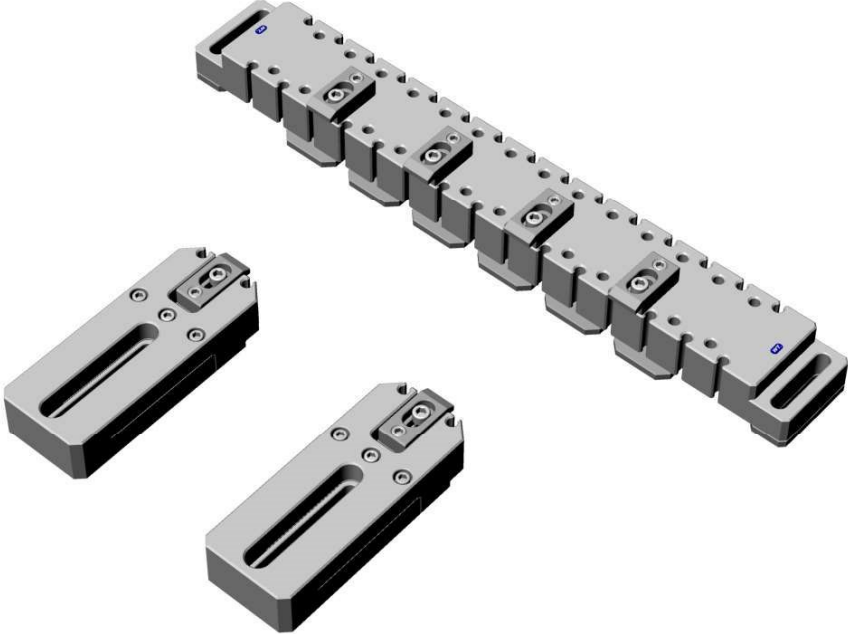
## Accessories Basic Rulers



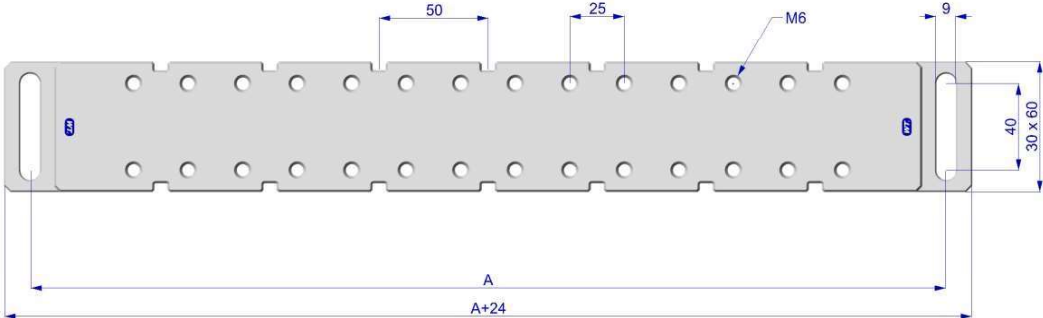
### Basic Ruler LOGIC



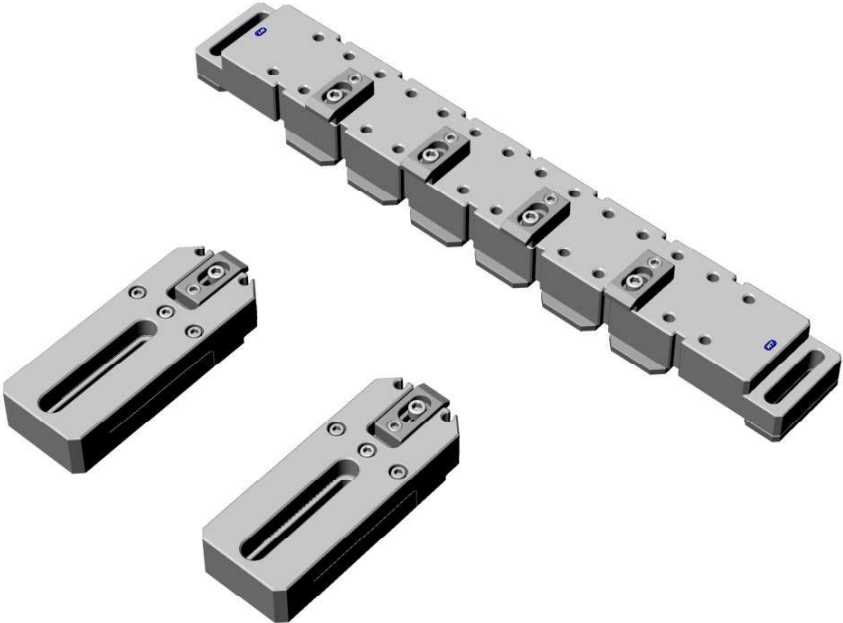
### Basic Set LOGIC



Basic Ruler Standard



Basic Set Standard



**Basic rulers for Robofil 240 compatible WL330**

Dimensions: groove for M8 screws, distance: 290 mm, total length: 330 mm



Type D

Order No.: PSE-WL330D

Type L

Order No.: PSE-WL330L

**Basic rulers for Robofil 390 compatible WL454**

Dimensions: groove for M8 screws, distance: 414 mm, total length: 454 mm



Type D

Order No.: PSE-WL454D

Type L

Order No.: PSE-WL454L

**Basic rulers for Robofil 440 compatible WL460**

Dimensions: groove for M8 screws, distance: 420 mm, Total length: 460 mm



Type D

Order No.: PSE-WL460D

Type L

Order No.: PSE-WL460L

**Basic rulers for Robofil 440 compatible WL440**

Dimensions: groove for M8 screws, distance: 400 mm, Total length: 440 mm



Type D

Order No.: PSE-WL440D

Type L

Order No.: PSE-WL440L

**Basic rulers for Agie\* 2 compatible WL410**

Dimensions: groove for M8 screws, distance: 370 mm, total length: 410 mm



Type D

Order No.: PSE-WL410D

Type L

Order No.: PSE-WL410L

**Basic rulers for Agie\* 3 compatible WL510**

Dimensions: groove for M8 screws, distance: 469 mm, total length: 509 mm



Type D

Order No.: PSE-WL510D

Type L

Order No.: PSE-WL510L

**Basic rulers for Fanuc\* a0i compatible WL416**

Dimensions: groove for M8 screws, distance: 376 mm, total length: 416 mm



Type D

Order No.: PSE-WL416D

Type L

Order No.: PSE-WL416L

**Basic rulers for Fanuc\*a0i 3 compatible WL466**

Dimensions: groove for M8 screws, distance: 426 mm, total length: 466 mm



Type D

Order No.: PSE-WL466D

Type L

Order No.: PSE-WL466L

**Basic rulers for Fanuc\* a1i compatible WL490**

Dimensions: groove for M8 screws, distance: 450 mm, total length: 490 mm



Type D

Order No.: PSE-WL490D

Type L

Order No.: PSE-WL490L

**Basic rulers for Fanuc\* a1iD compatible WL520**

Dimensions: groove for M8 screws, distance: 480 mm, total length: 520 mm



Type D

Order No.: PSE-WL520D

Type L

Order No.: PSE-WL520L

**Basic rulers for Fanuc\* C400iA compatible WL450**

Dimensions: groove for M8 screws, distance: 426 mm, total length: 450 mm



Type D

Order No.: PSE-WL450D

Type L

Order No.: PSE-WL450L

**Basic rulers for Fanuc\* C600iA compatible WL504**

Dimensions: groove for M8 screws, distance: 480 mm, total length: 504 mm



Type D

Order No.: PSE-WL504D

Type L

Order No.: PSE-WL504L

Basic rulers for Mitsubishi\* FA20 compatible WL470  
 Dimensions: groove for M8 screws, distance: 430 mm, total length: 470 mm



Type D  
 Order No.: PSE-WL470D

Type L  
 Order No.: PSE-WL470L

Basic rulers for Sodick\* AQ327L compatible WL510  
 Dimensions: groove for M8 screws, distance: 470 mm, total length: 510 mm



Type D  
 Order No.: PSE-WL510D

Type L  
 Order No.: PSE-WL510L

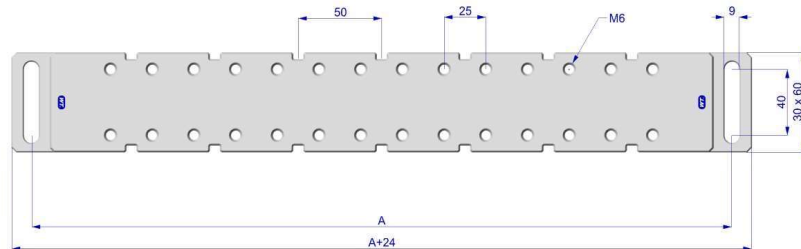
Basic rulers for Sodick\* Premium compatible WL710  
 Dimensions: groove for M8 screws, distance: 670 mm, total length: 710 mm



Type D  
 Order No.: PSE-WL710D

Type L  
 Order No.: PSE-WL710L

Reference rulers for other machines on request, acc. to your data, always indicate **Dimension A** please.





Clamping Accessories Set WIRE EDM rustproof

6 pieces	Screws M6 x 12 rustproof
6 pieces	Screws M6 x 20 rustproof
6 pieces	Screws M6 x 30 rustproof
6 pieces	Screws M6 x 40 rustproof
6 pieces	Screws M6 x 50 rustproof
6 pieces	Screws M6 x 60 rustproof
6 pieces	Screws M6 x 70 rustproof
6 pieces	Screws M6 x 80 rustproof
6 pieces	Screws M6 x 90 rustproof
6 pieces	Screws M6 x 100 rustproof

6 pieces	Hexagon spacing screws M8 x 12 rustproof
6 pieces	Hexagon spacing screws M8 x 20 rustproof
6 pieces	Hexagon spacing screws M8 x 30 rustproof
6 pieces	Hexagon spacing screws M8 x 40 rustproof
12 pieces	Hexagon spacers M6 x 30 rustproof
12 pieces	Hexagon spacers M8 x 30 rustproof
15 pieces	Holding magnets Ø 12,5 mm
2 pieces	Plastic boxes 190 x 280 x 50 mm

Order No.: PSE-WSS200 SET for Wire EDM