

PSE System

English language

valid as of March 2018

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PSE GmbH

Alfons Stübing
Markstraße 1
D-64832 Babenhausen-Langstadt

Tel. +49 (0)6073 742 252

Fax. +49 (0)6073 742 253

Mobile +49 (0)171 3219644

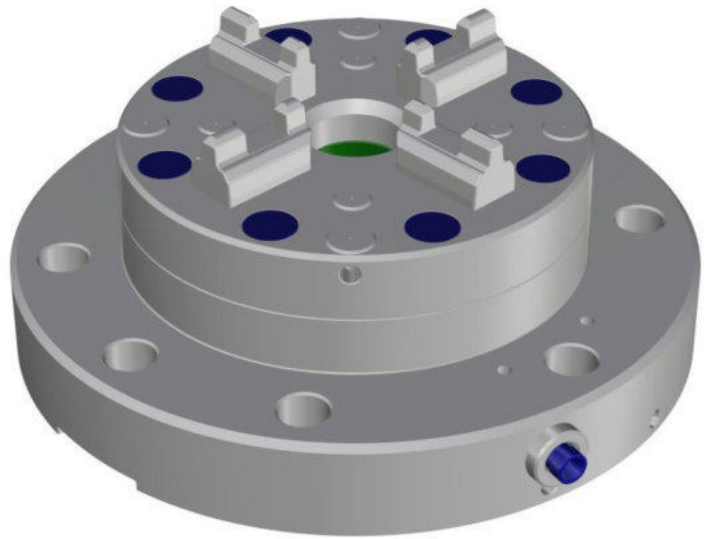
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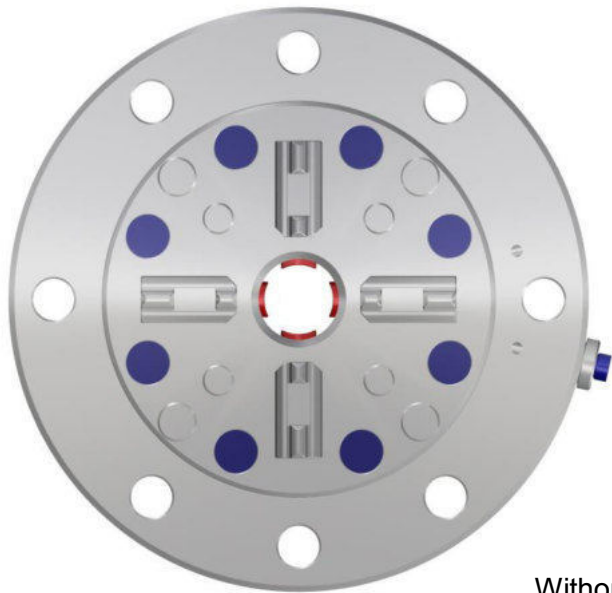
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Clamping chuck



Completely sealed



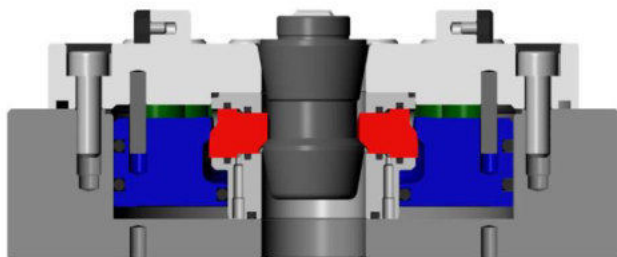
Without ball mechanism

WPC100P

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

Technical Data			
Repetition accuracy	0.002 mm	Indexing	4 x 90°
Clamping force without pressure amplification	10 000 N	WPC100P	
Turbo function clamping force with opening, re-tightening and cleaning	16 000 N (6 Bar)		

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.

During processing, vibrations do therefore not occur.

Machine table mountable with M12 screws, distance 125 mm

Dimensions: Ø 150 up to Z-support 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 centres, compatible with ITS®* clamping system of Erowa AG

Order number	PSE-WPC100P
Order number Version C	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.

Technical Data		
Clamping force	9 000 N	WPU100D
Standard control	Air gun	
Dimensions	150 x 110 x 56 mm	

Pneumatic clamping chuck on pallet





Machine table mountable with M10 screws, hole distance 125 mm

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

Order number	PSE-WPU100D
Order number Version C	PSE-WPU100DC

Accessories

Manual valve PM5		PM5C	
	appropriate for clamping chuck without Z-support cleaning		appropriate for pneumatic clamping chuck with Z-support cleaning
Order number	PSE-PM5	Order number	PSE-PM5C

Technical Data	
Manual clamping chuck 100 Machine table mountable with M6 screws, compatible with ITS®* clamping system of Erowa AG	
Dimensions	Ø 100 x 36 mm
Material	rustproof, hardened 54 HRC
Clamping force	10 000 N
max. tightening torque:	6 Nm
WMC100	



Remark: clamping chuck can also be delivered on pallet.

Technical Data	
Pneumatic clamping chuck on pallet Machine table mountable with M10 screws, hole distance 80 mm, compatible with ITS®* clamping system of Erowa AG	
Dimensions	110 x 80 x 66 mm
Material	rustproof, hardened 54 HRC
Clamping force	4 000 N
Standard control	air gun
WPU56D	



Order number	PSE-WMC100
Order number	PSE-WPU56D

Technical Data

Manual clamping chuck 50,
machine table mountable with M6 screws, compatible with
ITS®* clamping system of Erowa AG

Dimensions	56 x 56 x 36 mm
Material	rustproof, hardened 54 HRC
Clamping force	6 000 N
max. tightening torque:	6 Nm

WMC56

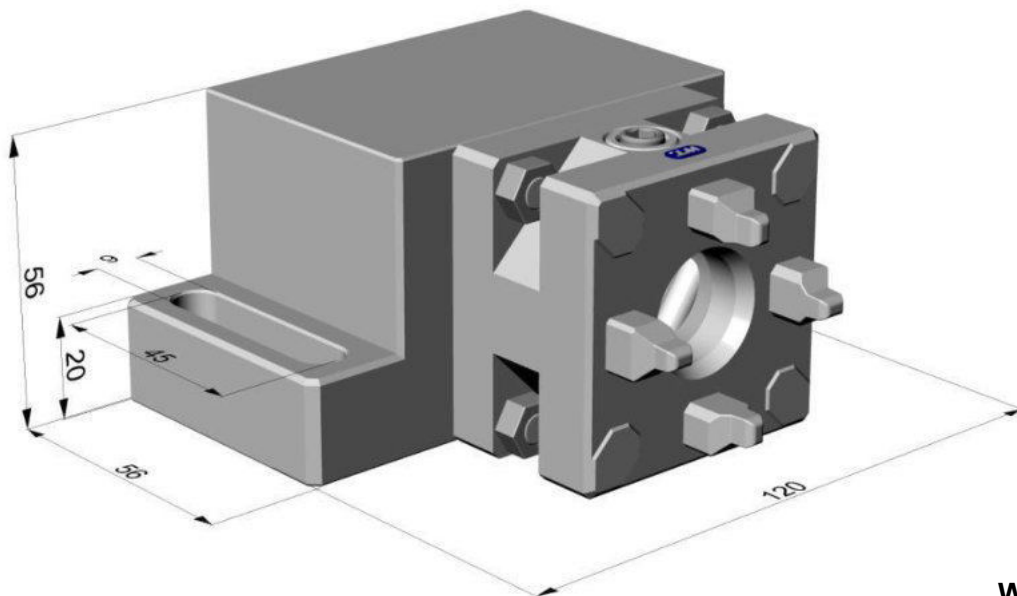
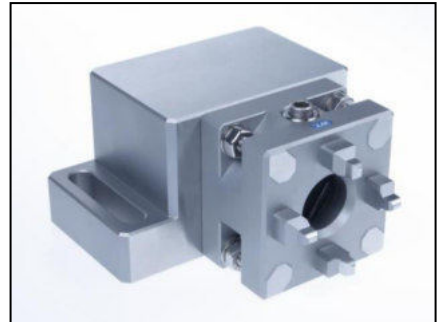


Technical Data

Manual clamping chuck incl. clamping beam pallet,
machine table mountable with M8 screws, hole distance
100 mm, compatible with ITS®* clamping system of
Erowa AG

Dimensions	120 x 56 x 92 mm
Material	rustproof, hardened 60 RC
max. tightening torque:	6 Nm

WMC56H



WMC56H

Order number	PSE-WMC56
Order number on clamping beam	PSE-WMC56H

Technical Data

Manual clamping chuck, machine table mountable with M6 screws, compatible with ITS®* clamping system of Erowa AG		Clamping force	10 000 N
Dimensions	Ø 75 x 36 mm	WMC75	
Material	rustproof, hardened 54 HRC		
Max. tightening torque	6 Nm		



Manual clamping chuck WMC75

Technical Data

Horizontal, pneumatic clamping chuck for WEDM, Direct machine table installation with M8 screws, distance 25 mm, compatible with ITS®* clamping system of Erowa AG		Clamping force	4 000 N
Dimensions	126 x 56 x 56 mm	WPU56H SET	
Material	rustproof, hardened 54 HRC		
Control	air gun		

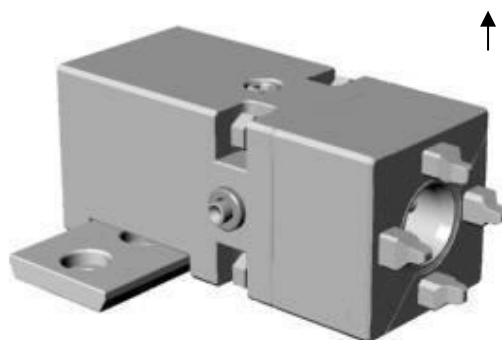
Accessories

Manual valve PM5



appropriate for
clamping chuck
without Z-support
cleaning

Order number **PSE-PM5**



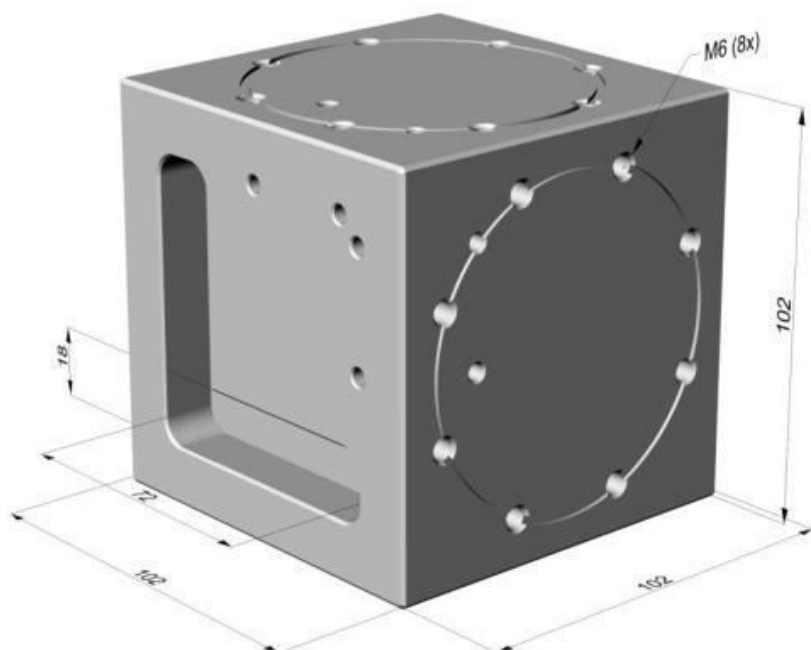
Order number

PSE-WMC75

Order number

PSE-WPU56H SET

Angle block



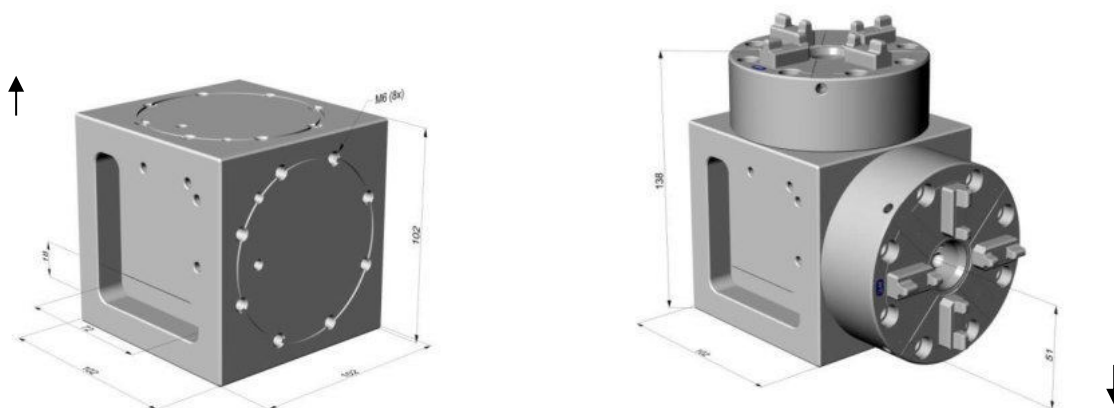
WMC100-90

Technical Data

Angle block without clamping chuck, machine table installation, compatible with ITS®* clamping system of Erowa AG

Dimensions	102 x 102 x 102 mm
Material	rustproof, hardened 54 HRC
Distance horizontal axis from base	51 mm
Drilling pattern	appropriate for WPU100 and WMC100

Angle block WMC100-90



Technical Data

Angle block including 2 pieces of vertical-horizontal, manual clamping chuck, machine table mountable, compatible with ITS®* clamping system of Erowa AG

Dimensions	102 x 102 x 102 mm
Material	rustproof, hardened 54 HRC
Clamping force	2 x 10 000 N
Distance of horizontal axis from base	51 mm
Rectangular deviation of clamping axis	0.005/100 mm

Angle block WMC100-90C

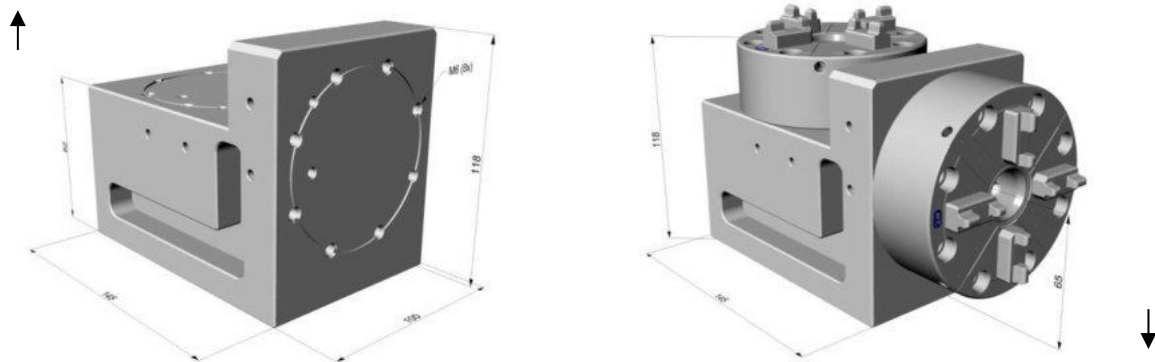
Order number	PSE-WMC100-90
Order number Version C	PSE-WMC100-90C

Technical Data

Angle block without clamping chuck, machine table installation, compatible with ITS®* clamping system of Erowa AG

Dimensions	100 x 118 x 145 mm
Material	rustproof, hardened 54 HRC
Distance of the horizontal axis from base	65 mm
Drilling pattern	appropriate for WPU100D and WMC100

Angle block WPU100-90



Technical Data

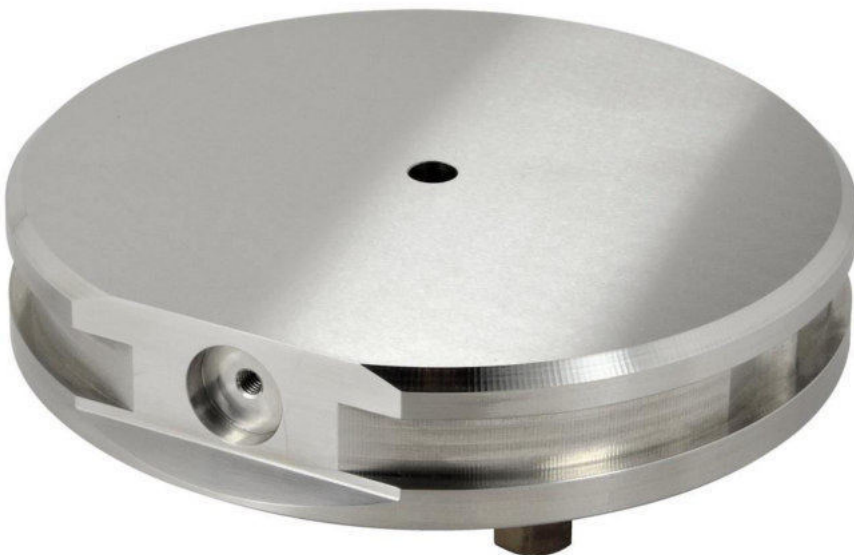
Angle block including 2 pieces of vertical horizontal, pneumatic clamping chuck, machine table installation, compatible with ITS®* clamping system of Erowa AG

Dimensions	100 x 118 x 145 mm
Material	rustproof, hardened 54 HRC
Clamping force	2 x 9 000 N
Distance of horizontal axis from base	65 mm
Rectangular deviation of clamping axis	0.005/100 mm

Angle block WPU100-90C

Order number	PSE-WPU100-90
Order number Version C	PSE-WPU100-90C

Pallets



D148 rustproof blank

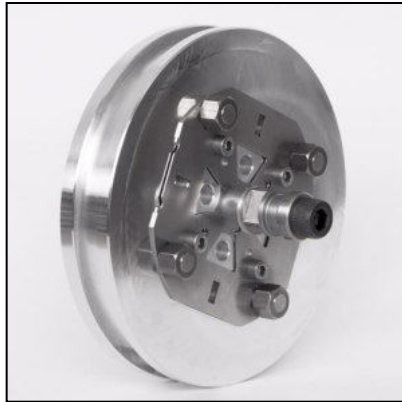
Technical Data

ALU Pallet Ø 148 mm, with centring element incl. clamping spigot and chip carrier

Dimensions Ø 148 mm / Height 40 mm

Hole patterns or threads for screwing can be introduced according to your instructions, compatible with ITS®* clamping system of Erowa AG

D148 ALU Blank



Order number

PSE D148 ALU Blank

Technical Data

ALU Pallet Ø 148 mm, with centring element incl. clamping spigot and chip carrier

Dimensions Ø 148 mm / Height 40 mm

Thread M10; hole pattern distance 25 mm and fitting bores; Ø 10H7 mm, compatible with ITS®* clamping system of Erowa AG

D148 ALU Hole Pattern 10H7

Order number

PSE D148 ALU Hole Pattern 10H7



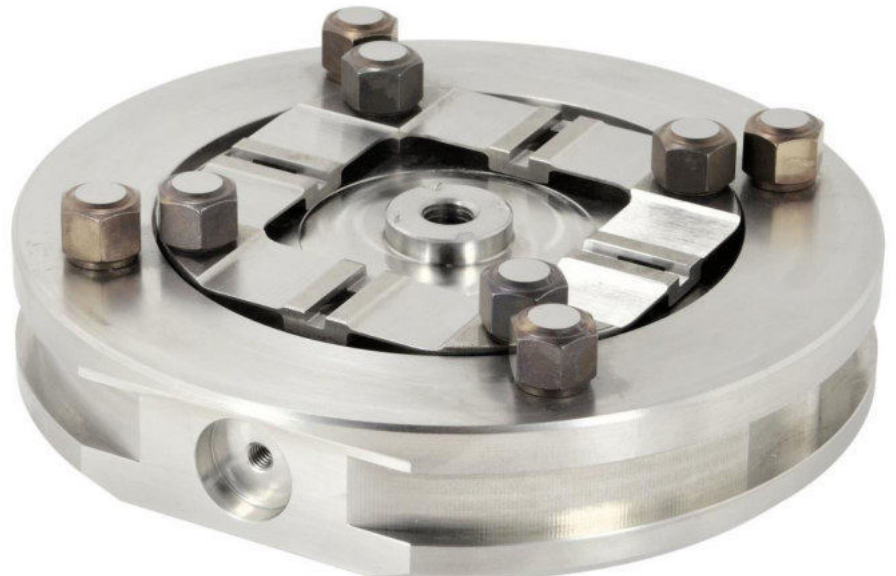
Technical Data

Pallet Ø 148 with centring element incl. clamping spigot and chip carrier

Dimensions Ø 148 mm / Height 40 mm

Hole patterns or threads for screwing can be introduced according to your instructions, compatible with ITS®* clamping system of Erowa AG

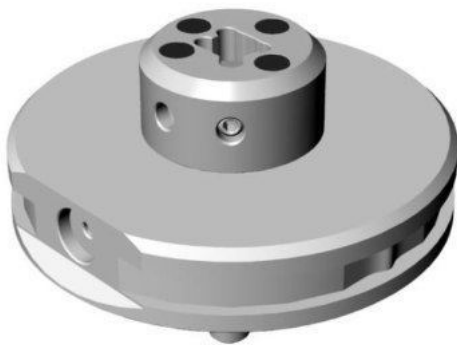
D148 rustproof Blank



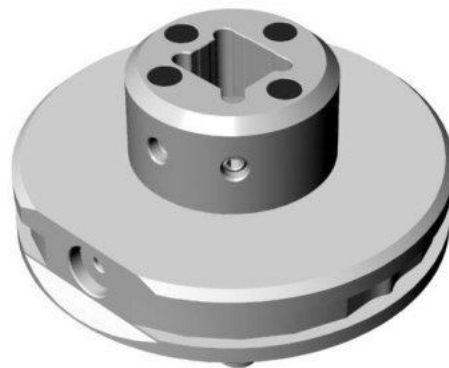
Order number

PSE D148 Blank rustproof

Technical Data WQ15 / WQ25	
INOX pallet Ø 148 mm hardened with centring element for milling operation incl. clamping spigot and chip carrier and electrode holder (15), compatible with ITS®* clamping system of Erowa AG	
Dimensions	Ø 148 mm / Height 40 mm incl. front part (15) 70 mm
D148 rustproof WQ15	
INOX Palette Ø 148 mm hardened with centring element for milling operation incl. clamping spigot and chip carrier and electrode holder (25), compatible with ITS®* clamping system of Erowa AG	
Dimensions	Ø 148 mm / Height 40 mm incl. front part (25) 75 mm
D148 rustproof WQ25	



WQ15



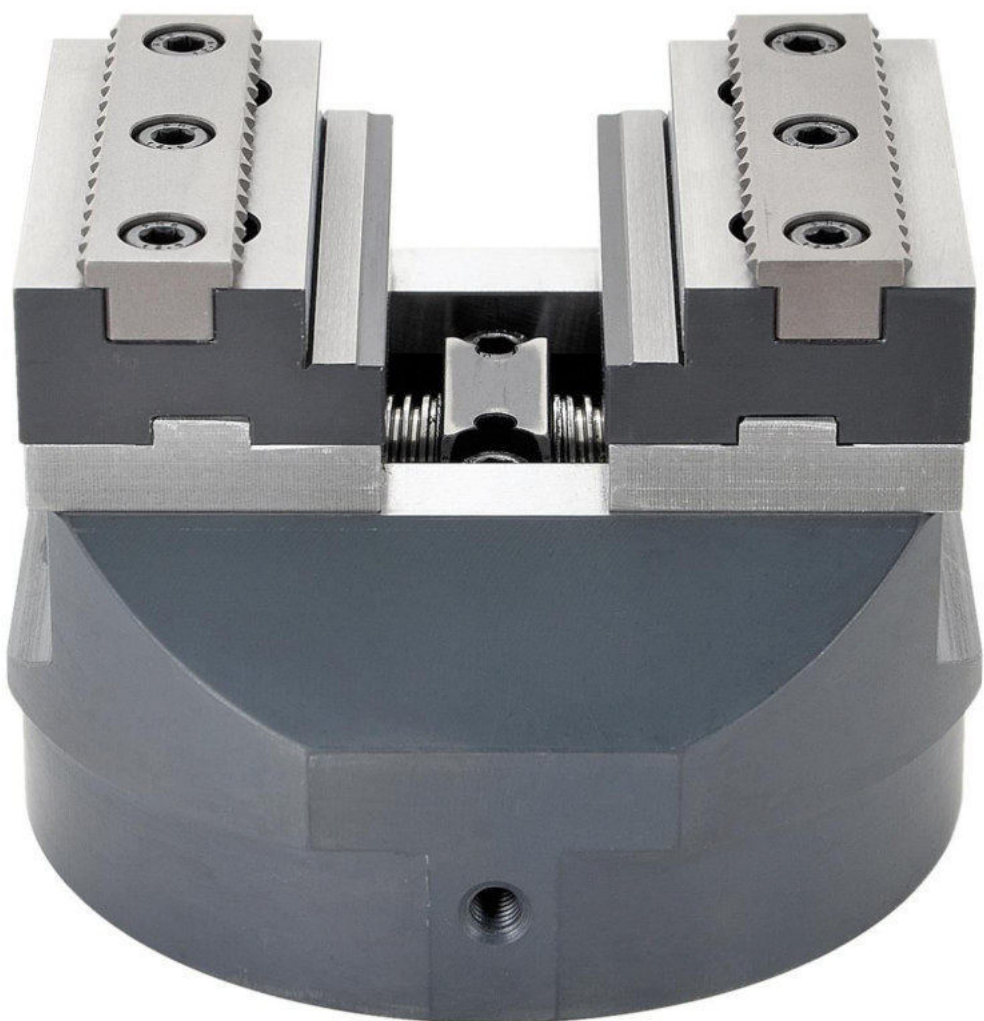
WQ25

Technical Data	
Magnetic pallet D148, centring elements directly mounted on the magnets, including gripper groove, permanent magnetic clamping plate for high precision milling works, compatible with ITS®* clamping system of Erowa AG	
Holding force	approx. 140 N/cm ²
Radial pole pitch	11+4 mm
Magnetic field height	10 mm
Dimensions	Ø 148 mm / Height 57 mm
Magnetic Pallet D148	



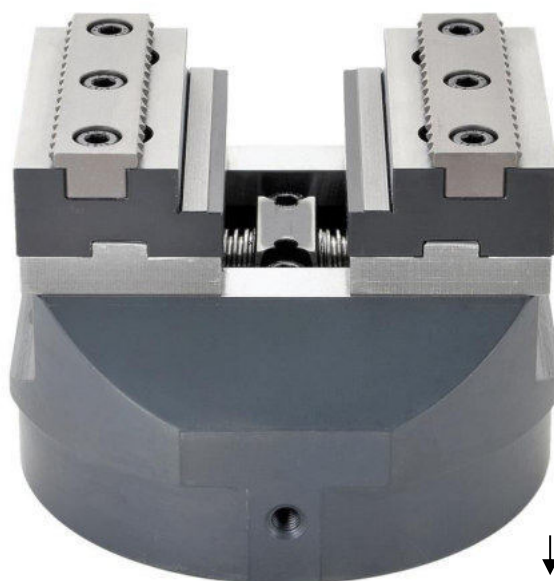
Order number WQ15	PSE D148 rustproof WQ15
Order number WQ25	PSE D148 rustproof WQ25
Order number Magnetic pallet	PSE D148 magnetic milling

Centre clamp



WTP-CC 65/100

Technical Data	WTP-CC 80/170
Centre clamp	
Jaw width	
Bed length	
Bed height	
Total length	



Technical Data	WTP-CC 65/100
Centre clamp	
Jaw width	
Bed length	
Bed height	
Total length	

Order number 80/170	PSE-WTP-CC 80/170
Order number 65/100	PSE-WTP-CC 65/100

Technical Data		WTP-CC 125/170
Centre clamp		
Jaw width	125 mm	
Bed length	170 mm	
Bed height	62 mm	
Total length	171 mm	



Accessories

Basic stepped jaws with grip bars

Order number	PSE-WTP-CC L125
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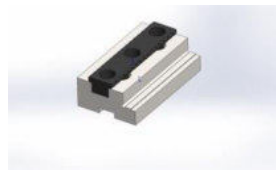
Order number	PSE-WTP-CC 125/170
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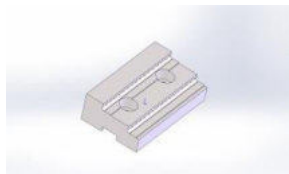
Technical Data		WTP-CC 65/10
Centre clamp, design with integrated G-centring plate for milling operation, compatible with ITS®* clamping system of Erowa AG		
Jaw width	65 mm	
Bed length	96 mm	
Bed height	50 mm	
Total length	110 mm	





- ☐ Basic body and basic jaws made of case hardening steel
- ☐ Spindle made of high-strength special steel
- ☐ Centring accuracy of up to ± 0.03 mm
- ☐ Clamping force 15 kN (corresponds to approx. 1.5 t)
- ☐ Clamping width available in 65 mm and/or. 80 mm
- ☐ Clamping width from 0 to 61 mm at BB 65 mm
- ☐ Clamping width from 0 - 155 mm at BB 80 mm
- ☐ Mounting holes for precise mounting on adapter plates possible
- ☐ Any zero-point clamping system integrable
- ☐ Substantial range of top jaws
- ☐ Special designs possible


Order number	PSE-WTP-CC 65/10
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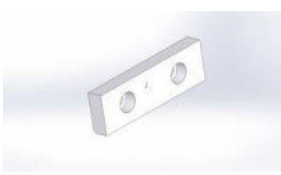
Order number and article description	
PSE-Stepped jaw with grip bar (60 mm)²	

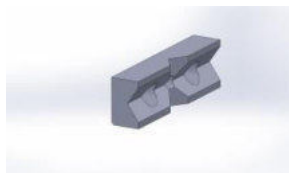
Order number and article description	
PSE-Stepped jaw with two-step grip (60 mm)²	

Order number and article description	
PSE-Stepped jaw with grip bar (80 mm)²	

Order number and article description	
PSE-Basic jaw for taking the following top jaws (60 mm)²	

Order number and article description	
PSE-Top jaw corrugated crosswise	

Order number and article description	
PSE-Top jaw smooth/hard (60 mm)²	

Order number and article description	
PSE-Top jaw prism	

Jaws

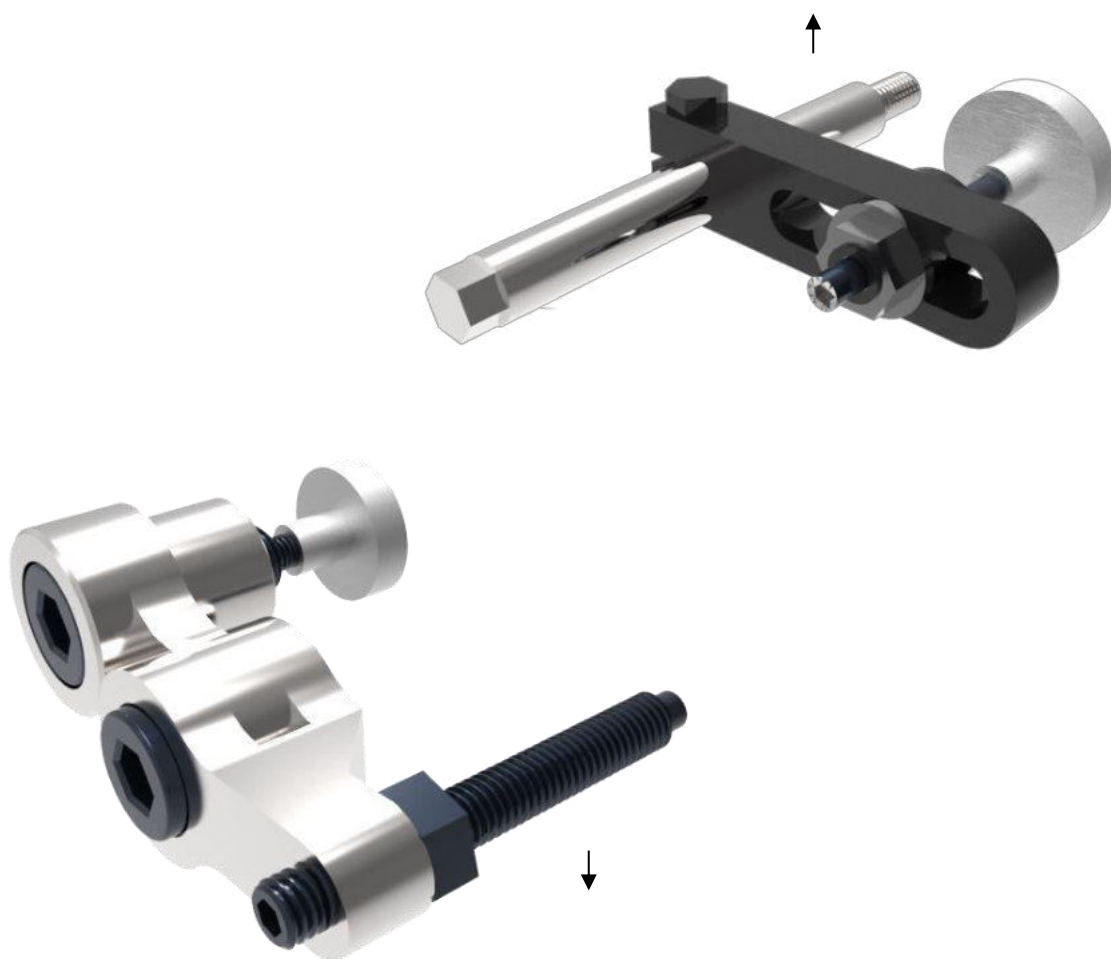
²Indication in brackets = width

Magnetic stop

Magnetic stop

Order number

PSE-WTP-Magnetic stop



Magnetic stop adjustable with joint

Order number

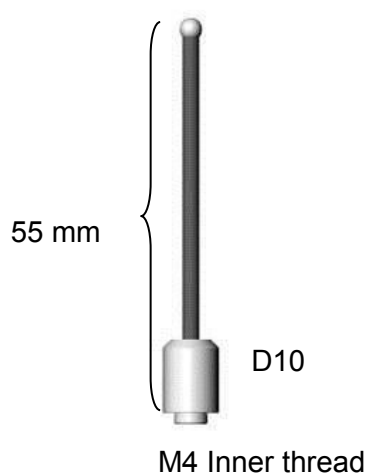
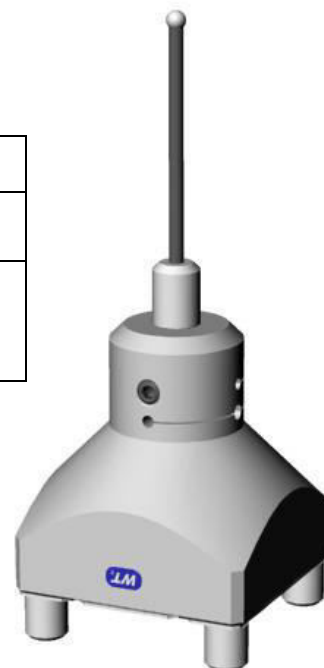
PSE-WTP-Magnetic stop with joint

Measurement



WSK

Technical Data		
Measuring probe, with fine adjustment and exchangeable ball point, compatible with ITS®* clamping system of Erowa AG		
Dimensions	54 x 54 x 120 mm	WSK
Material	rustproof, hardened 54 HRC	



Technical Data		
Measuring ball point for WSK		MS4
Contact shaft	Hard metal	
Dimensions	L = 55 mm	
Available diameters	2, 4, 5 and 6 mm	

Technical Data	
Measuring ball point D5 / D2	
Contact shaft	Hard metal
Dimensions	L = 55 mm
Available diameters	2, 3, 4 and 5 mm
Material rustproof, compatible with ITS®*clamping system of Erowa AG	



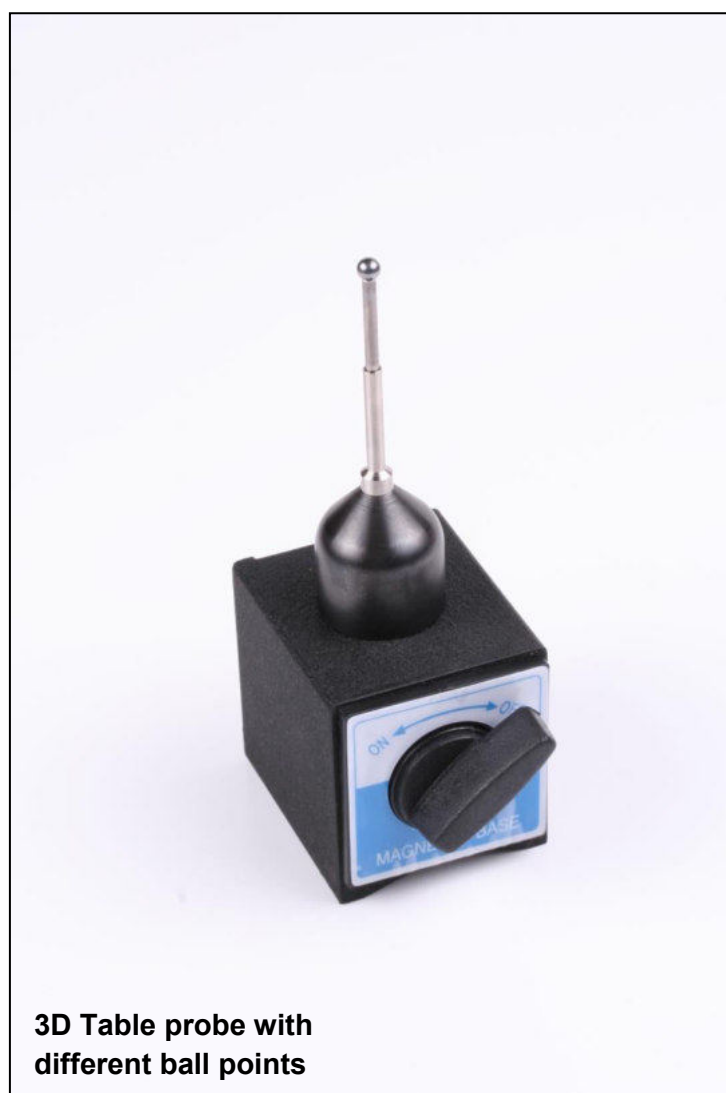
D2

Order number WSK	(Please indicate Ø in your order)	PSE-WSK
Order number MS4	(Please indicate Ø in your order)	PSE-MS4
Order number D5	(Please indicate Ø in your order)	PSE-060.100
Order number D2	(Please indicate Ø in your order)	PSE-060.000

Magnification	40 times
Lighting	LED 5 Volt Transformer 100-240 Volt
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	



Dimensions	50 x 60 x 135 mm
Screwing thread	M4
Probe with exchangeable ball point and magnetic base	



Order number Microscope	PSE-Microscope
Order number 3D Table probe	PSE-TEWSK Standard D5

Measuring ball points for 3D table probe



M4 thread

Order number D1	PSE-TEWSK D1
Order number D3	PSE-TEWSK D3
Order number D5	PSE-TEWSK D5

Mandrel gauge

Technical Data

Mandrel gauge short, to align the radial, axial and angular position of the clamping chucks, compatible with ITS®* clamping system of Erowa AG

Dimensions	50 x 50 x 60 mm
Outer diameter	40 mm
Bore	Ø 20 mm
Material	rustproof, hardened 54 HRC

Mandrel gauge short



Technical Data

Mandrel gauge long, to align the radial, axial and angular position of the clamping chucks, compatible with ITS®* clamping system of Erowa AG

Dimensions	52 x 52 x 146 mm
Outer diameter	30 mm
Bore	Ø 20 mm
Material	rustproof, hardened 54 HRC

Mandrel gauge long



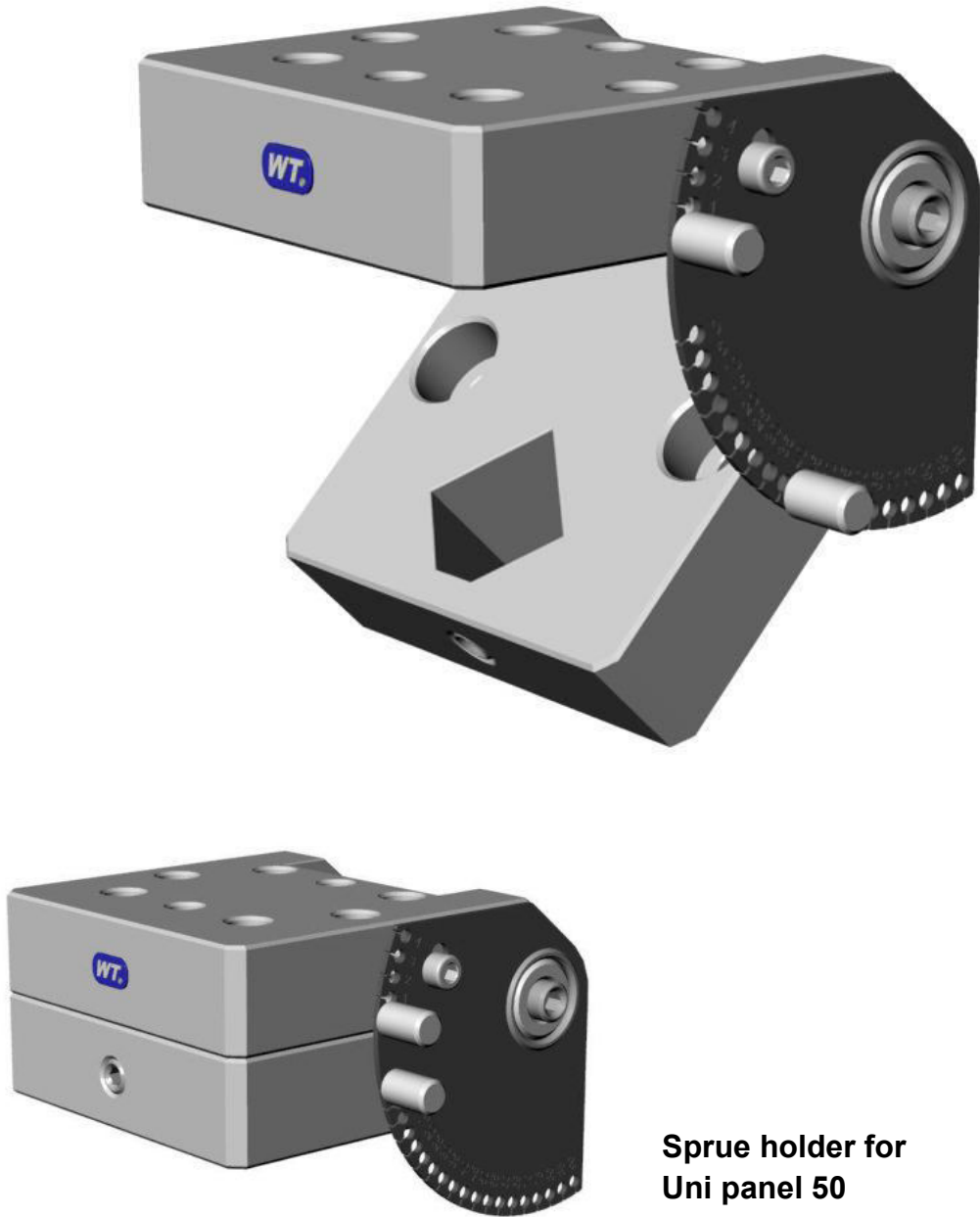
Order number short

PSE-WMC50-100

Order number long

PSE-WMC50-146

Sprue holder



**Sprue holder for
Uni panel 50**

Adjustment	from 0° to 225°
Clamping option	square or round Ø 15 mm
Partition	1°
Material	rustproof, hardened 54 HRC
Prepared for chip coding, compatible with ITS®* clamping system of Erowa AG	

Order number

PSE-WQM50-15

Clamping spigot



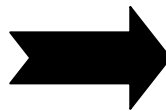
WUC-F/A

Clamping spigot F/A EDM fix

Dimensions	Ø 20 x 45 mm
Material rustproof, hardened 50 HRC, compatible with ITS®* clamping system of Erowa AG	
WUC-F/A	



Adapter D72 incl. screw and special clamping spigot




Dimensions	Ø 72 x 30 mm
Material rustproof, hardened 54 HRC, compatible with ITS®* clamping system of Erowa AG and Macro* compatible	
incl. screw and special clamping spigot	WR54D72


Order number	PSE-WUC-F/A
Order number	PSE-WR54D72


Square holder

Technical Data	
Dimensions	52 x 52 x 69 mm
Profile	15 x 15 mm
Repetition accuracy	± 0.003 mm
Reference height Z	40 ± 0.003 mm
Material rustproof, hardened 54 HRC, compatible with ITS®* clamping system of Erowa AG	
WQM15 Square holder	



Technical Data	
Dimensions	54 x 54 x 75 mm
Profile	25 x 25 mm
Repetition accuracy	± 0.003 mm
Reference height Z	40 ± 0.003 mm
Material rustproof, hardened 54 HRC, compatible with ITS®* clamping system of Erowa AG	
WQM25 Square holder	



Technical Data		
Dimensions	54 x 54 x 75 mm	
Profile	35 x 35 mm	
Repetition accuracy	± 0.003 mm	
Reference height Z	40 ± 0.003 mm	
Material rustproof, hardened 54 HRC, compatible with ITS®* clamping system of Erowa AG		
WQM35 Square holder		

Order number WQM15	PSE-WQM15
Order number WQM25	PSE-WQM25
Order number WQM35	PSE-WQM35


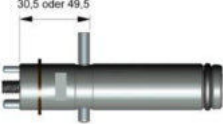
20 mm Shank Chuck

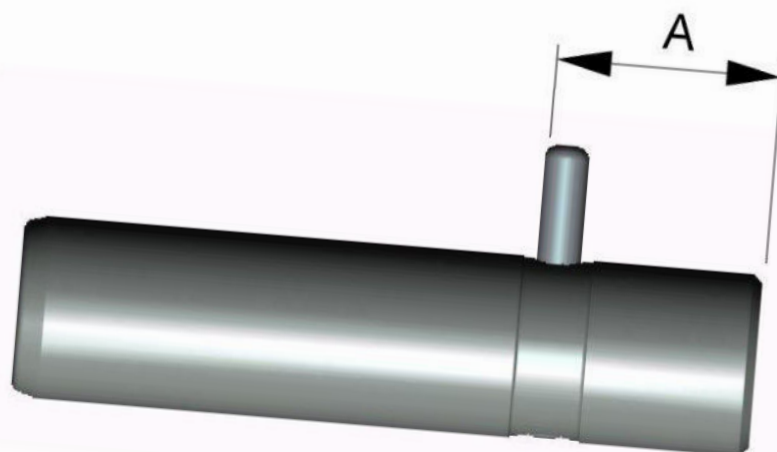
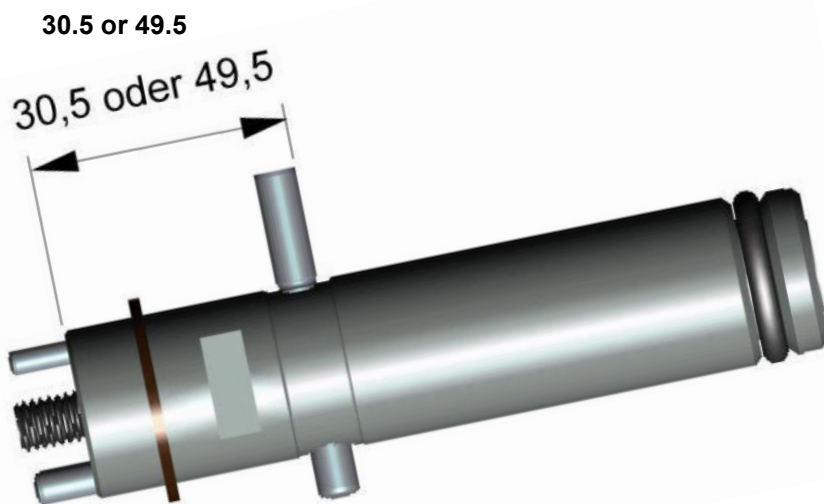
Technical Data	WQH20
Hydraulic clamping chuck for electrode shanks Ø 20 mm with double hydraulic chambers, compatible with ITS®* clamping system of Erowa AG	
Repetition accuracy	± 0.003 mm
Dimensions	54 x 54 x 75 mm
Material	rustproof, hardened 54 HRC



Technical Data	WHR20 ALU
Clamping chuck for shank Ø 20 mm	
Bore	Ø 20H7 mm
Dimensions	52 x 52 x 78.5 mm
Material ALU, compatible with ITS®* clamping system of Erowa AG	


Order number WQH20	PSE-WQH20
Order number WHR20 ALU	PSE-WHR20

Order number	Diameter	Distance A	Quantity	
PSE-S02/20/25	20 mm Ø	25 mm	1 set of 30 pieces	
PSE-S02/20/50		50 mm	1 set of 30 pieces	
PSE-S02/20/100		100 mm	1 set of 10 pieces	
PSE-S02/20/150		150 mm	1 set of 10 pieces	
PSE-S05/20/30,5		30.5 mm	1 piece	
PSE-S05/20/49,5		49.5 mm	1 piece	




Shanks

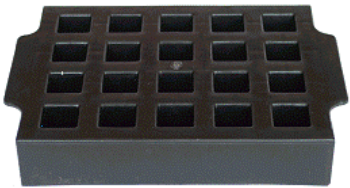
Electrode blank

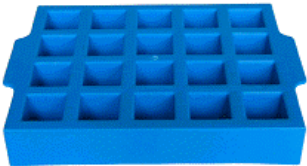
Electrode blanks for square holder WQM		
Dimensions	15 x 15 x 75 mm, 25 x 25 x 90 mm, and other dimensions	
Material	copper	

Please ask for separate documentation.

Electrode blanks for square holder WQM		
Material	graphite	


Please ask for separate documentation.

Electrode box volume	20 pieces (15 x 15 mm)	
Order number	PSE-E-BOX20	


Electrode box volume	20 pieces (25 x 25 mm)	
Order number	PSE-E-BOX25	

Collet chuck


Technical Data	
Collet chuck for collets ER16	
Diameter	Ø 0.5 to 10 mm
Max. deviation of concentricity	0.002 mm
Chip carrier	included
Material rustproof, hardened 54 HRC, compatible with ITS®* clamping system of Erowa AG	
WER16	



Technical Data	
Collet chuck for collets ER32	
Diameter	Ø 3 to 20 mm
Max. deviation of concentricity	0.002 mm
Chip carrier	included
Material rustproof, hardened 54 HRC, compatible with ITS®* clamping system of Erowa AG	
WER32	



Technical Data	
Collet chuck for collets ER40	
Diameter	Ø 4 to 26 mm
Max. deviation of concentricity	0.002 mm
Chip carrier	included
Material rustproof, hardened 54 HRC, compatible with ITS®* clamping system of Erowa AG	
WER40	



Order number WER16	PSE-WER16
Order number WER32	PSE-WER32
Order number WER40	PSE-WER40

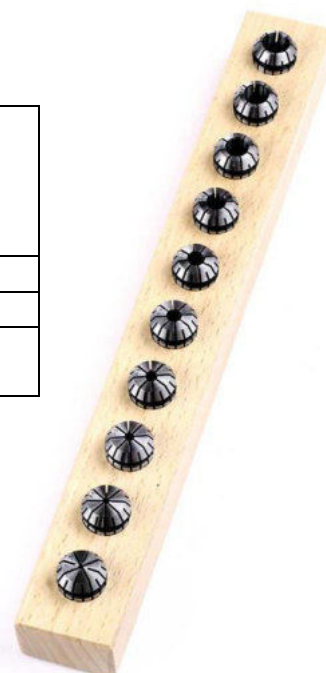
Technical Data	Collet chuck kit ETS32	
Collet chuck kit for ER32		
<i>Collets are also individually available</i>		
Diameter	Ø 2 to 20 mm	
Number of kit	18 pieces	
Material rustproof, hardened 54 HRC, compatible with ITS®* clamping system of Erowa AG		



Technical Data		<h1>Collet chuck kit</h1> <h1>ER32</h1>
Collet chuck kit für ER32 for PSE-WER32 <i>Collets are also individually available</i>		
Diameter	Ø 2 to 20 mm	
Number of kit	18 pieces	
Material rustproof, hardened 54 HRC, compatible with ITS®* clamping system of Erowa AG		

Technical Data		Collet chuck kit ER16
Collet chuck kit for ER16 <i>Collets are also individually available</i>		
Diameter		Ø 1 to 10 mm
Number of kit		10 pieces
Material rustproof, hardened 54 HRC, compatible with ITS®* clamping system of Erowa AG		

Order number ETS32	PSE-WER32-ETS
Order number ER32	PSE-WER32-PSE
Order number ER16	PSE-WER16-PSE



Collet chuck SET ER-16

Collet chuck kit for ER16 <i>Collets are also individually available</i>	
Diameter	Ø 1 to 10 mm
Number	10 pieces
Material rustproof, hardened 54 HRC, compatible with ITS® clamping system of Erowa AG	

Collet chuck for collets ER16	
Diameter	Ø 1 to 10 mm
Maximum deviation of concentricity	0.002 mm
Material	rustproof, hardened 54 HRC
Chip carrier	Included
Dimensions 54 x 54 x 85 mm, compatible with ITS® clamping system of Erowa AG	

Clamping spigot F/A EDM	
Dimensions	Ø 20 x 45 mm
Material rustproof, hardened 50 HRC, compatible with ITS® clamping system of Erowa AG	

- **20 pieces of rubber seal ER16**
- **C-wrench ER16**



Order number	PSE-WER16-PSE SET
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Collet chuck SET ER-32

Component Sets

Collet chuck kit for ER32*Collets are also individually available*

Diameter	Ø 2 to 20 mm
Number	18 pieces
Material rustproof, hardened 54 HRC compatible with ITS®* clamping system of Erowa AG	

Collet chuck for collets ER32

Diameter	Ø 2 to 20 mm
Maximum deviation of concentricity	0.002 mm
Material	rustproof, hardened 54 HRC
Chip carrier	Included
Dimensions 54 x 54 x 87 mm, compatible with ITS®* clamping system of Erowa AG	

Clamping spigot F/A EDM

Dimensions	Ø 20 x 45 mm
Material rustproof, hardened 50 HRC, compatible with ITS®*clamping system of Erowa AG	



- 20 pieces of rubber seal ER32
- C-wrench ER32

Order number

PSE-WER32-PSE SET

Collet chuck SET ETS-32

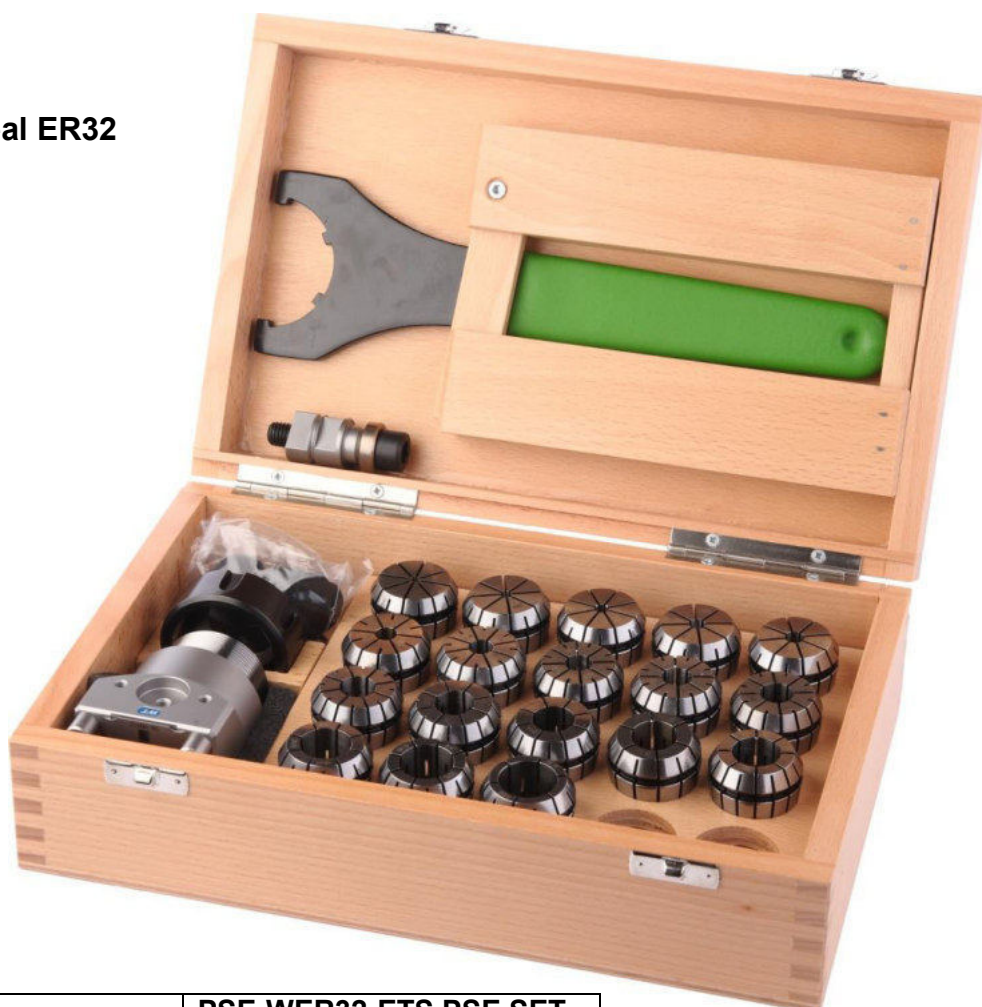
Set Components

Collet chuck kit ETS for ER32 <i>Collets are also individually available</i>	
Diameter	Ø 2 to 10 mm
Number	18 pieces
Material rustproof, hardened 54 HRC, compatible with ITS® clamping system of Erowa AG	

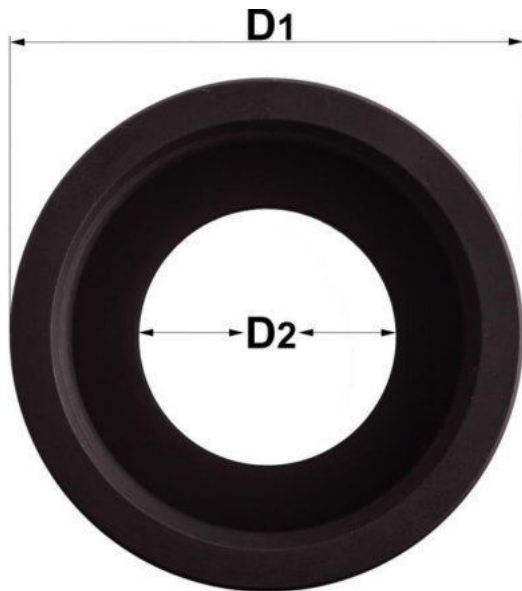
Collet chuck for collets ER32	
Diameter	Ø 2 to 20 mm
Maximum deviation of concentricity	0.002 mm
Material	rustproof, hardened 54 HRC
Chip carrier	Included
Dimensions 54 x 54 x 87 mm, compatible with ITS® clamping system of Erowa AG	

Clamping spigot F/A EDM	
Dimensions	Ø 20 x 45 mm
Material rustproof, hardened 50 HRC, compatible with ITS® clamping system of Erowa AG	

- 20 pieces of rubber seal ER32
- C-wrench ER32



Order number	PSE-WER32-ETS PSE SET
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Dimensions D1	50 mm
Dimensions D2	28 mm
Order number	PSE-WER32-ETS special nut

Special clamping nut for ETS collets, appropriate for collet chuck **PSE-WER32**



WER32 Collet chuck <i>incl. chip carrier and special clamping nut</i> Collet chuck for collets ETS 32	
Diameter	Ø 2 to 20 mm
Maximum deviation of concentricity	0.002 mm
Dimensions	54 x 54 x 87 mm
Material rustproof, hardened 54 HRC, compatible with ITS®* clamping system of Erowa AG	

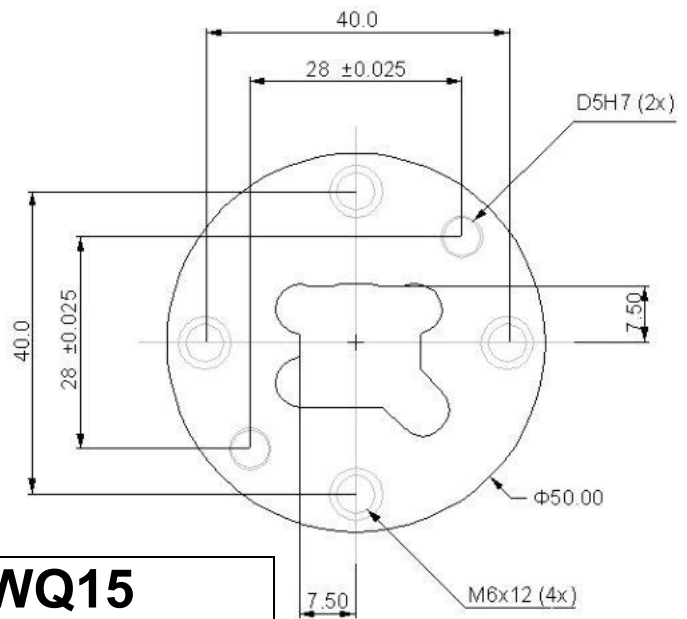
Order number	PSE-WER32-ETS
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Square front part



*Square front part – two types are available
square part 15 / square part 25*

WQ15



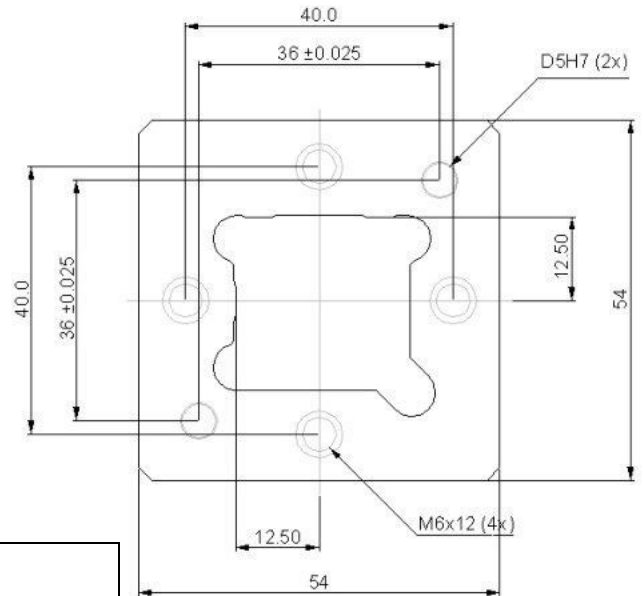
Square front part 15 mm	WQ15
Material	rustproof, hardened 54 HRC
Dimensions	$\Phi 50 \times 32$ mm

Technical Data	WQ15 D60
Material	rustproof, hardened 54 HRC
Dimensions	$\Phi 60 \times 30$ mm
Square front part 15 mm Counterbore for M6 screwing and/or M8 thread from the back Alignment pins $\Phi 5$ mm from the back	

- ☐ screwable from above and below
- ☐ $\Phi 60$ mm INOX



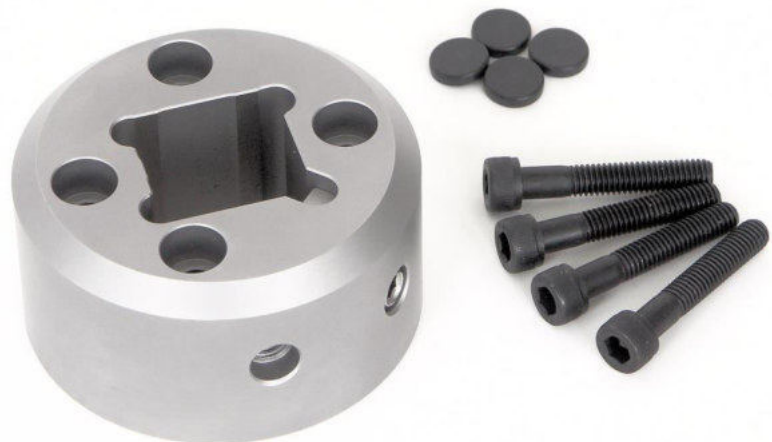
Order number WQ15	PSE-WQ15
Order number WQ15 D60	PSE-WQ15 D60




Square front part 25 mm	WQ25
Material	rustproof, hardened 54 HRC
Dimensions	54 x 54 x 36 mm


Technical Data	WQ25 D70
Material	rustproof, hardened 54 HRC
Dimensions	Ø 70 x 30 mm
Square front part 25 mm Counterbore for M6 screwing and/or M8 thread from the back Alignment pins Ø 5 mm from the back	


- ☐ screwable from above and below
- ☐ Ø 70 mm INOX





Order number WQ25	PSE-WQ25
Order number WQ25 D70	PSE-WQ25 D70


	Uni panel 2 x bores Ø 6,5 mm, Distance 40 mm for M6 screws incl. 2 screws M6 x 20 mm, compatible with ITS®* clamping system of Erowa AG			
	Order number	Dimension	Material	PU ²
	PSE-001-000	50.5 x 50.5 x 41 mm	EN AW7075	16 pieces

	Uni panel incl. chip carrier 2 x bores Ø 6,5 mm, Distance 40 mm for M6 screws incl. 2 screws M6 x 20 mm, compatible with ITS®* clamping system of Erowa AG			
	Order number	Dimension	Material	PU ²
	PSE-001-100	50.5 x 50.5 x 41 mm	EN AW7075	16 pieces

	Uni panel incl. chip carrier 2 x bores Ø 6,5 mm, Distance 40 mm for M6 screws incl. 2 screws M6 x 20 mm, compatible with ITS®* clamping system of Erowa AG			
	Order number	Dimension	Material	PU ²
	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 number	Dimension	Material	PU ²
	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 number	Dimension	Material	PU ²
	PSE-008-100	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 number	Dimension	Material	PU ²
	PSE-008-200	50.5 x 50.5 x 41 mm	EN AW7075	16 pieces


² PU = Packing unit


Square holder


	Square holder 15 square 15 x 15 x 20 mm, square 16.5 mm milled out, compatible with ITS®* clamping system of Erowa AG			
	Order number	Dimension	Material	PU ²
	PSE-002-000	50.5 x 50.5 x 41 mm	EN AW7075	16 pieces

	Square holder 15 incl. chip carrier square 15 x 15 x 20 mm, square 16.5 mm milled out, compatible with ITS®* clamping system of Erowa AG			
	Order number	Dimension	Material	PU ²
	PSE-002-100	50.5 x 50.5 x 41 mm	EN AW7075	16 pieces


	Square holder 15 incl. chip carrier square 15 x 15 x 20 mm, square 16.5 mm milled out, compatible with ITS®* clamping system of Erowa AG			
	Order number	Dimension	Material	PU ²
	PSE-002-200	50.5 x 50.5 x 41 mm	EN AW7075	16 pieces


	Square holder 20 20 x 20 x 20 mm, square 21.5 mm milled out, compatible with ITS®* clamping system of Erowa AG			
	Order number	Dimension	Material	PU ²
	PSE-003-000	50.5 x 50.5 x 41 mm	EN AW7075	16 pieces


	Square holder 20 incl. chip carrier square 20 x 20 x 20 mm, square 21.5 mm milled out, compatible with ITS®* clamping system of Erowa AG			
	Order number	Dimension	Material	PU ²
	PSE-003-100	50.5 x 50.5 x 41 mm	EN AW7075	16 pieces


	Square holder 20 incl. chip carrier square 20 x 20 x 20 mm, square 21.5 mm milled out, compatible with ITS®* clamping system of Erowa AG			
	Order number	Dimension	Material	PU ²
	PSE-003-200	50.5 x 50.5 x 41 mm	EN AW7075	16 pieces


² PU = packing unit


	Square holder 25 square 25 x 25 x 20 mm, square 26,5 mm milled out, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE-004-000	50.5 x 50.5 x 41 mm	EN AW7075
			16 pieces

	Square holder 25 incl. chip carrier square 25 x 25 x 20 mm, square 26,5 mm milled out, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE-004-100	50.5 x 50.5 x 41 mm	EN AW7075
			16 pieces


	Square holder 25 incl. chip carrier square 25 x 25 x 20 mm, square 26,5 mm milled out, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE-004-200	50.5 x 50.5 x 41 mm	EN AW7075
			16 pieces


	Square holder 30 square 30 x 30 x 20 mm, square 31,5 mm milled out, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE-005-000	50.5 x 50.5 x 41 mm	EN AW7075
			16 pieces


	Square holder 30 incl. chip carrier square 30 x 30 x 20 mm, square 31,5 mm milled out, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE-005-100	50.5 x 50.5 x 41 mm	EN AW7075
			16 pieces


	Square holder 30 incl. chip carrier square 30 x 30 x 20 mm, square 31,5 mm milled out, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE-005-200	50.5 x 50.5 x 41 mm	EN AW7075
			16 pieces


² PU = packing unit


	Uni holder 10 slot 10.5 x 12.5 mm, compatible with ITS®* clamping system of Erowa AG			
	Order number	Dimension	Material	PU ²
	PSE-006-000	50.5 x 50.5 x 41 mm	EN AW7075	16 pieces

	Uni holder 10 incl. chip carrier slot 10.5 x 12.5 mm, compatible with ITS®* clamping system of Erowa AG			
	Order number	Dimension	Material	PU ²
	PSE-006-100	50.5 x 50.5 x 41 mm	EN AW7075	16 pieces


	Uni holder 10 incl. chip carrier slot 10.5 x 12.5 mm, compatible with ITS®* clamping system of Erowa AG			
	Order number	Dimension	Material	PU ²
	PSE-006-200	50.5 x 50.5 x 41 mm	EN AW7075	16 pieces


	Uni holder 20 slot 20.5 x 12.5 mm, compatible with ITS®* clamping system of Erowa AG			
	Order number	Dimension	Material	PU ²
	PSE-007-000	50.5 x 50.5 x 41 mm	EN AW7075	16 pieces


	Uni holder 20 incl. chip carrier slot 20.5 x 12.5 mm, compatible with ITS®* clamping system of Erowa AG			
	Order number	Dimension	Material	PU ²
	PSE-007-100	50.5 x 50.5 x 41 mm	EN AW7075	16 pieces


	Uni holder 20 incl. chip carrier slot 20.5 x 12.5 mm, compatible with ITS®* clamping system of Erowa AG			
	Order number	Dimension	Material	PU ²
	PSE-007-200	50.5 x 50.5 x 41 mm	EN AW7075	16 pieces


² PU = packing unit

	Round holder 10 incl. chip carrier Bore Ø 10H7 x 20 mm, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE-009-100	50.5 x 50.5 x 65 mm	EN AW7075
			2 pieces


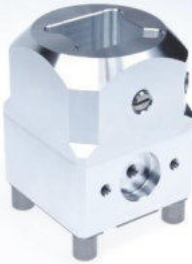
	Uni panel 80 4 x bores Ø 6,5 mm, Distance 65 mm for M6 screws, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE-010-000	80 x 80 x 40 mm	EN AW7075
			4 pieces

	Uni panel 80 incl. chip carrier 4 x bores Ø 6,5 mm, Distance 64 x 38 mm for M6 screws, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE-010-100	80 x 80 x 40 mm	EN AW7075
			4 pieces


	Square holder 15 incl. chip carrier square 15x15x20 mm, square 16.5 mm milled out, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE-002-400	50.5 x 50.5 x 61 mm	EN AW7075
			6 pieces

	Uni panel incl. chip carrier 2 x bores Ø 6,5 mm, Distance 40 mm for M6 screws, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE-001-400	50.5 x 50.5 x 61 mm	EN AW7075
			6 pieces

² PU = packing unit

	Square holder 15 incl. chip carrier square 15 x 15 mm, square coordinates ground, repetition accuracy ± 0.003 mm, reference height Z-support ± 0.003 mm, compatible with ITS®* clamping system of Erowa AG			
	Order number	Dimension	Material	PU ²
	PSE-WQMC- 15	52 x 52 x 69 mm	EN AW7075	2 pieces
<h1>WQMC</h1>				
	Square holder 25 incl. chip carrier square 25 x 25 mm, square coordinates ground, repetition accuracy ± 0.003 mm, reference height Z-support ± 0.003 mm, compatible with ITS®* clamping system of Erowa AG			
	Order number	Dimension	Material	PU ²
	PSE-WQMC- 25	52 x 52 x 75 mm	EN AW7075	2 pieces

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

<h2>Electrode stand</h2> <p>for storage and/or transport of 20 pieces of electrode holders, compatible with ITS®* clamping system of Erowa AG</p>				
Order number	Dimension	Material	PU ²	
PSE-029-200	360 x 259 mm	plastic	1 piece	

² PU = packing unit

Technical Data

Certal® *

Alloy
Alloy type
Material condition
Surface

AlZn5Mg3Cu / special type 7022*
hardened
T652, slackened by elongation
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 ²	(MIG/WIG)
Anodic oxidisability	good
Sanding properties	very good
Hard chrome-plating, nickel-plating, texture-cauterization	good
Corrosion resistance	average

² given appropriate preheating / welding additives AA 5183 or 5356

Areas of application

- ☐ Highly stressed machine parts
- ☐ 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 ³
Brinell hardness HBW	HBW [2,5/ 62,5]	160

³ Fracture elongation A50

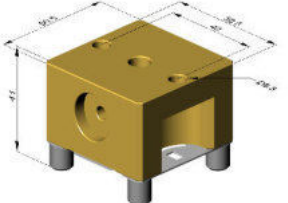
Typical physical properties

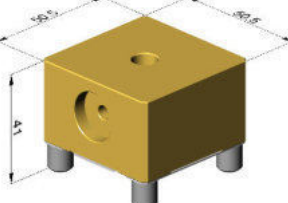
Density	[g/cm ³]	2,76
Elastic module	[GPa]	72
Electrical conductivity	[m/Ω · mm ²]	18-22
Thermal expansion coefficient	[K ⁻¹]	23,3x10 ⁻⁶
Thermal conductivity	[W/m · K]	120-150
Specific heat capacity	[J/kg · K]	862

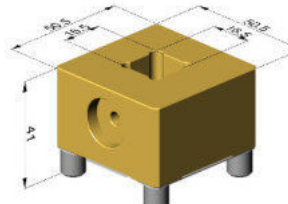
Certal®* is a registered trademark of Constellium Valais SA

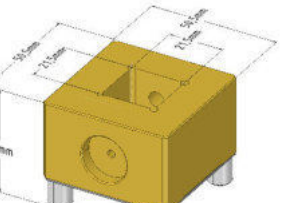


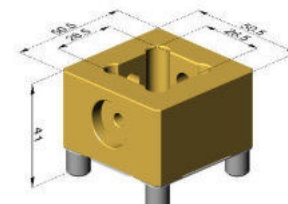
Brass holder

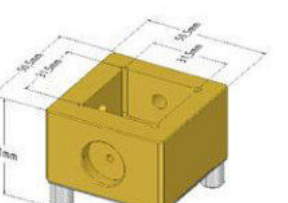
	Uni panel inkl. chip carrier brass 2 x bores Ø 6,5 mm, Distance 40 mm for M6 screws incl. 2 screws M6 x 20 mm, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE 001.200M	50.5 x 50.5 x 41 mm	Brass
			PU ²
			12 pieces

	Uni blank incl. chip carrier brass , compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE 008.100M	50.5 x 50.5 x 41mm	Brass
			PU ²
			12 pieces

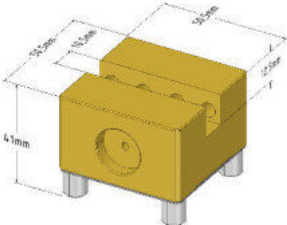
	Square holder 15 brass incl. chip carrier square 15 x 15 x 20 mm, stop face in the centre, square 16.5 mm milled out, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE 002.100M	50.5 x 50.5 x 41 mm	Brass
			PU ²
			12 pieces

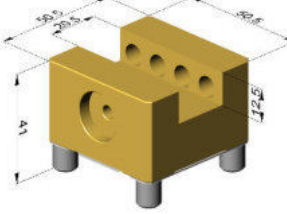
	Square holder 20 incl. chip carrier square 20 x 20 x 20 mm, stop face in the centre, square 21,5 mm milled out, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE 003.100M	50.5 x 50.5 x 41 mm	Brass
			PU ²
			12 pieces

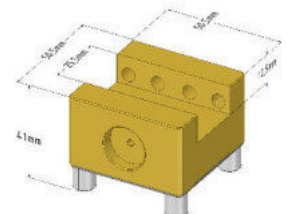
	Square holder 25 incl. chip carrier square 25 x 25 x 20 mm, square 26,5 mm milled out, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE 004.100M	50.5 x 50.5 x 41 mm	Brass
			PU ²
			12 pieces

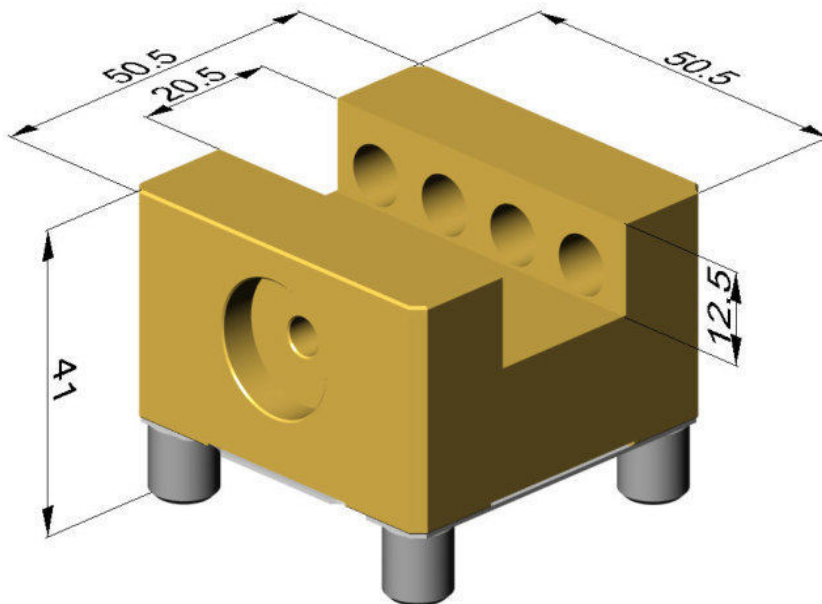
	Square holder 30 incl. chip carrier square 30 x 30 x 20 mm, stop face in the center, square 31,5 mm milled out, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE 005.100M	50.5 x 50.5 x 41 mm	Brass
			PU ²
			12 pieces

² PU = packing unit

	Uni holder 10 incl. chip carrier slot 10.5 x 12.5 mm, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE 006.100M	50.5 x 50.5 x 41 mm	Brass
			12 pieces

	Uni holder 20 incl. chip carrier slot 20.5 x 12.5 mm, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE 007.100M	50.5 x 50.5 x 41 mm	Brass
			12 pieces

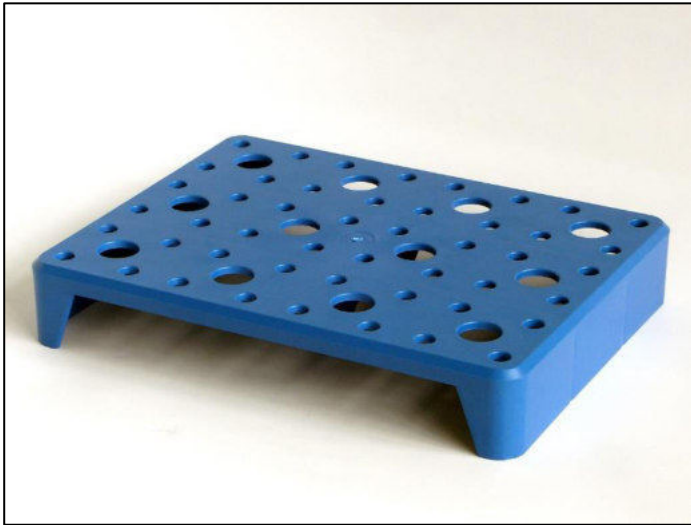
	Uni holder 25 incl. chip carrier slot 25,5 x 12.5 mm, compatible with ITS®* clamping system of Erowa AG		
	Order number	Dimension	Material
	PSE 009.100M	50.5 x 50.5 x 41 mm	Brass
			12 pieces



Brass Uni holder 20 incl. chip carrier

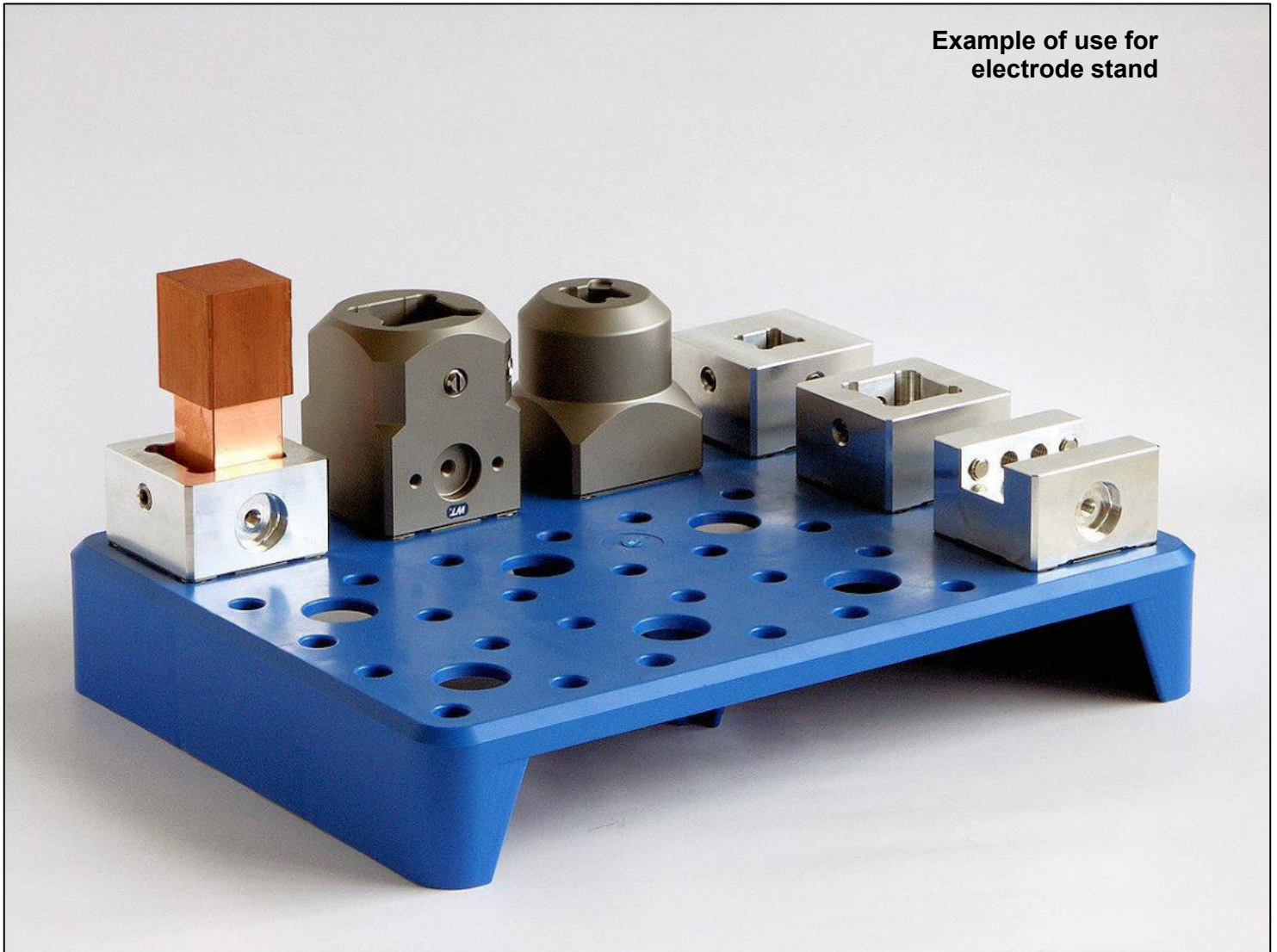
² PU = packing unit

PSE 50 electrode stand



Number of electrode holders	12 pieces
Dimensions 290 x 245 x 45 mm, compatible with ITS®* clamping system of Erowa AG	
Order number	PSE-12fold

Example of use for
electrode stand




Transponder chips



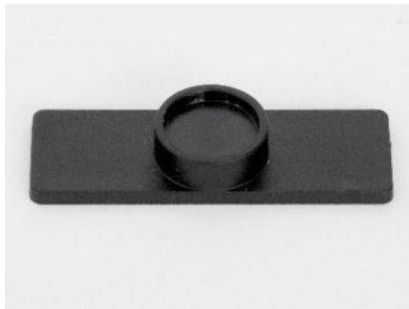
Transponder chip holder with data medium black/blue


Technical Data		
Design	Compatible with all existing systems	
Thread	M5 x 8 mm	
Basic holder	Ø 12 mm with thread M5	
Material	plastic	
Height	17 mm	
Order number	PSE-48-22-12	

Technical Data		Transponder chip holder with M5 thread
Diameter basic holder	Ø 16.5 mm	
Total height	18 mm	
Thread	M5 x 5.5 mm	
Chip locating bore	Ø 12.4 mm	
Design	compatible with all existing systems	
Material plastic, compatible with ITS®* clamping system of Erowa AG		
Available	with or without transponder chip	




Technical Data		Transponder chip holder for adhesion
Basic holder	48 x 16 m	
Fastening	adhesion	
Chip locating bore	Ø 12.4 mm	
Material plastic, compatible with ITS®* clamping system of Erowa AG		
Available	with or without transponder chip	

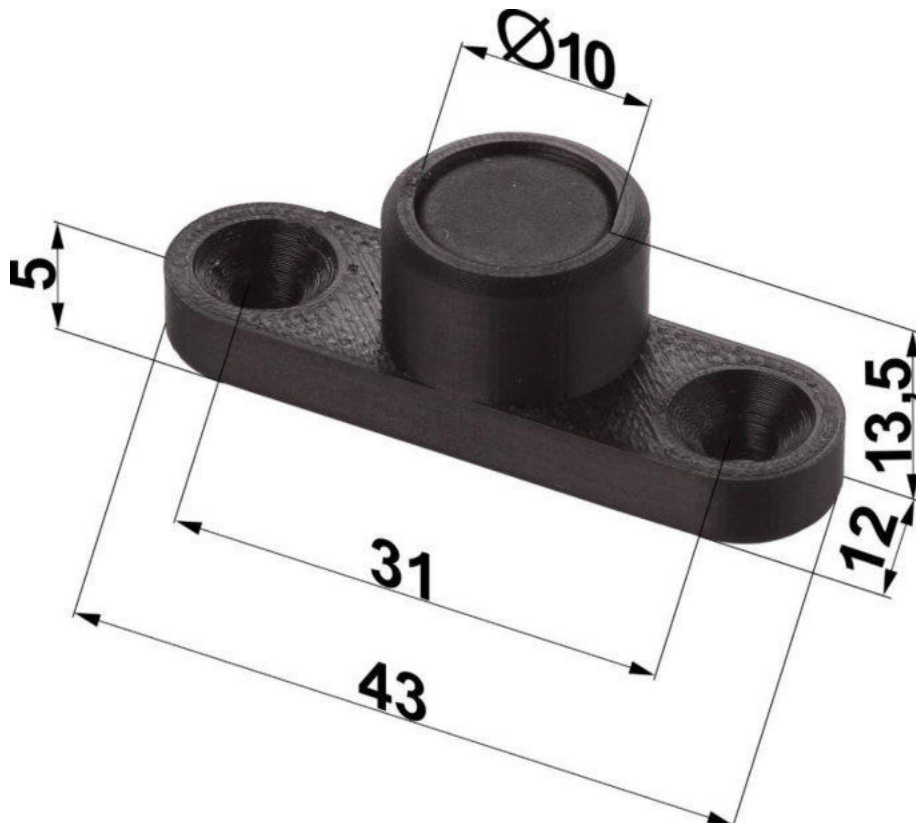


Technical Data		Transponder chip holder for screw fixation
Basic holder	48 x 22 m	
Fastening	With M4 screws (not included in the scope of delivery)	
Chip locating bore	Ø 12.4 mm	
Material plastic, compatible with ITS®* clamping system of Erowa AG		
Bore spacing	31 mm	
Available	with or without transponder chip	

Order number	PSE-D16.5 17,5
Order number	PSE-48-16-7
Order number	PSE-48-22-7

Technical Data		Transponder chip holder with screwing
Basic holder	Ø 15.5 mm with M5 thread	
Chip locating bore	Ø 12.4 mm	
Material	plastic	
Colour	red, other colours on request	
Design	compatible with all existing systems	
Total height	18.5 mm	
Thread	M5 x 8 mm	
Order number		PSE-48-22-8

Technical Data	Transponder chip holder
Dimensions	see product figure below
Chip locating bore	Ø 10 mm
Bore spacing	31 mm
Delivery	with or without transponder chip
Fastening with M4 screws (not included in the scope of delivery), compatible with ITS®* clamping system of Erowa AG	
Order number	PSE-43-5-13,5



So far, the RFID chip has been mounted on the electrode holder. With changing holder size, the reading distance of the antenna to the chip varies, too. Furthermore, largely dimensioned holders may damage the reading head.

The solution:

Clamping spigot with integrated RFID chip

The RFID chip is mounted onto the clamping spigot so that the distance between chip and reader antenna is always optimal and collisions are excluded. Ideal and compatible with common rotary and rack magazines.



Technical Data

Clamping spigot WUC-F/A incl. special screw with integrated RFID transponder chip

Dimensions	Ø 20 x 45 mm
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Screw head	plastic / Ø 17.5 mm
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Height	13.5 mm
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Material rustproof, hardened 50 HRC, compatible with ITS®* clamping system of Erowa AG	
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Order number	PSE-48-22-9
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Your advantages at a glance

- Increase of your productivity, as different electrode holders can be used
- Data proof reading process, as antenna is optimally positioned
- No collision risks on electrode holders due to deviating dimension
- No retrofitting of the reader antenna because of consistent chip standard

Handheld transponder reader 2 m

Order number	
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Spiral cable extensible up to 2 meters	
--	--

Connection to the PC by means of USB/COM connection	
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PSE-48-22-11



Handheld transponder reader 3 m

Order number	
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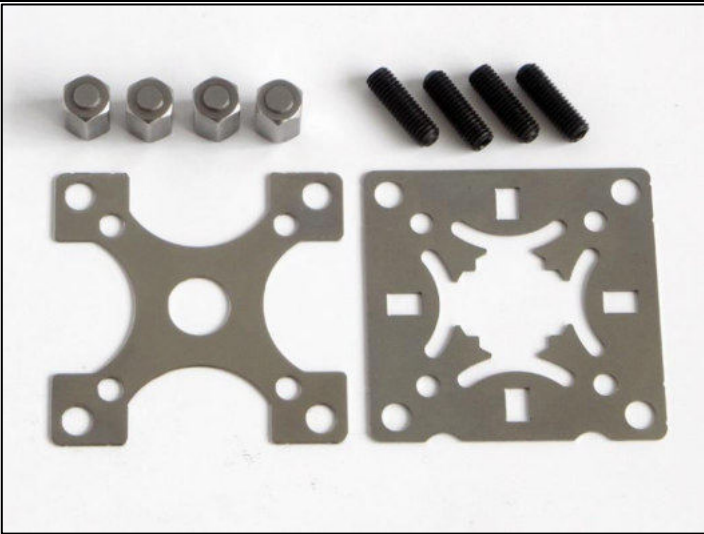
Spiral cable extensible up to 3 meters	
--	--


Connection to the PC by means of USB connection	
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PSE-48-22-10



Centring plate 50 and 100

Technical Data		50 x 50
1 centring plate, rustproof incl. support legs, compatible with ITS®* clamping system of Erowa AG		
		

Technical Data		100
1 Centring plate, rustproof incl. 4 M8 support legs and 4 x M5 screws each, compatible with ITS®* clamping system of Erowa AG		
		

Order number 50 x 50	PSE-Centring plate 50
Order number 100	PSE-Centring plate 100

This electrode clamping system is especially appropriate 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.

Technical Data		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		



Technical Data		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		

Clamp mounting

Order number WQS15	PSE-WQS15
Order number WQS25	PSE-WQS25

Pallets



Pallet WPU100D-4

Technical Data	<h2 style="text-align: center;">Milling pallet</h2> <h3 style="text-align: center;">with front part 15 x 15 mm</h3>	
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	250 x 175 x 30 mm	
Rustproof, hardened and polished steel for 6 pieces of collets	300 x 200 x 35 mm	

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



Order number	PSE-WQ15/200-30 ALU
Order number	PSE-WQ15/300-30 ALU
Order number	PSE-WQ15/250-30 Stahl
Order number	PSE-WQ15/300-35 Stahl

Technical Data	<h2 style="text-align: center;">Milling pallet</h2> <h3 style="text-align: center;">with front part 25 x 25 mm</h3>	
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		250 x 175 x 30 mm
Rustproof, hardened and polished steel for 6 pieces of collets		300 x 200 x 35 mm

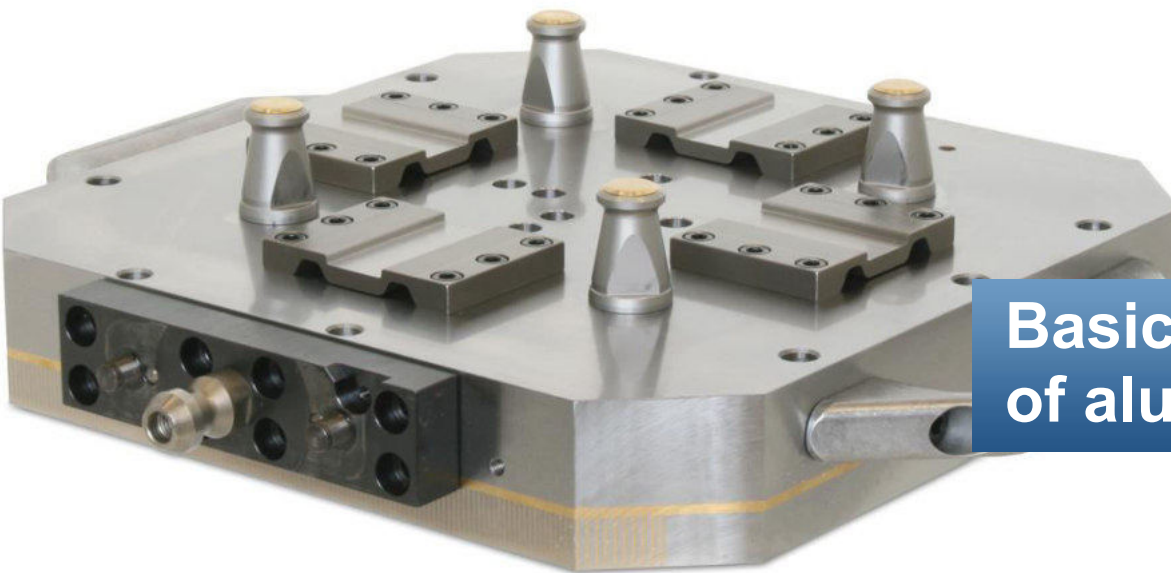
Including reference bore and reference area for alignment

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



Order number	PSE-WQ25/200-30 ALU
Order number	PSE-WQ25/300-30 ALU
Order number	PSE-WQ25/250-30 Stahl
Order number	PSE-WQ25/300-35 Stahl

Technical Data	Pallet Basic Body ALU
Pallet with magnetic clamping plate, Z-support with hardened inserts, Centring elements directly mounted on magnet, including gripper link and grips, permanent magnetic clamping plate for high precision grinding and eroding works. Also appropriate for light milling. Drilling pattern for automation (gripper coupling attached), compatible with UPC®* clamping system of Erowa AG	
Dimensions	321 x 321 x 48 mm
Weight	29 kg
Holding force	approx. 100 N/cm²
Transverse pole partition	1.4 + 0.5 mm
Corners	40 mm x 45°

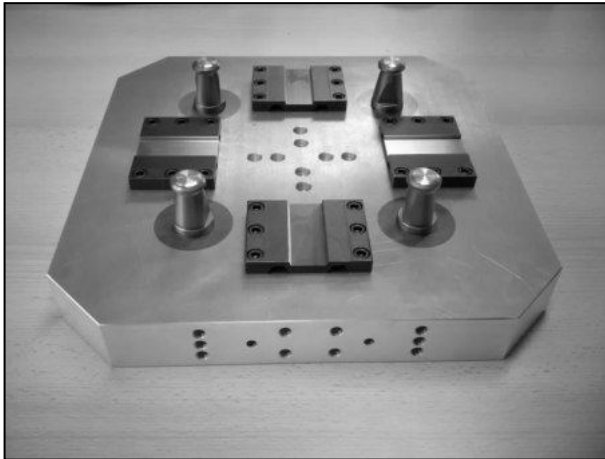


**Basic body made
of alu and/or steel**

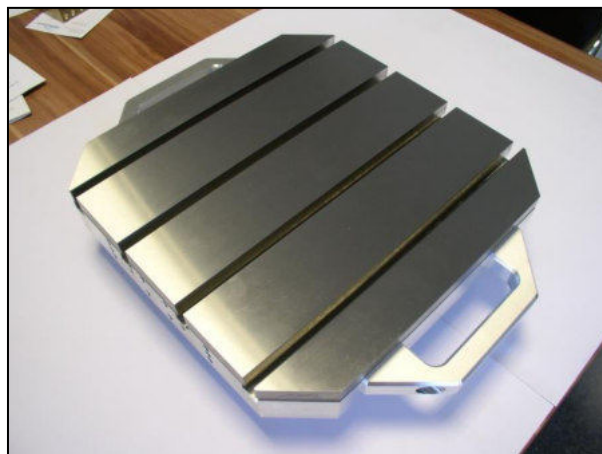
Technical Data	Pallet Basic Body Steel
Pallet with magnetic clamping plate Steel Centring elements directly mounted on magnet, including gripper link and grips, permanent magnetic clamping plate for high precision milling. Drilling pattern for automation (gripper coupling attached), compatible with UPC®* clamping system of Erowa AG	
Dimensions	321 x 321 x 48 mm
Weight	38 kg
Holding force	approx. 150 N/cm²
Transverse pole partition	11 + 4 mm
Corners	40 mm x 45°

Order number ALU	PSE-Pallet EDM
Order number Stahl	PSE-Pallet Milling

Technical Data	Pallet ALU
Dimensions 320 x 320 x 40 mm, compatible with UPC®* clamping system of Erowa AG	
Including	centring elements clamping spigots hardened Z-supports



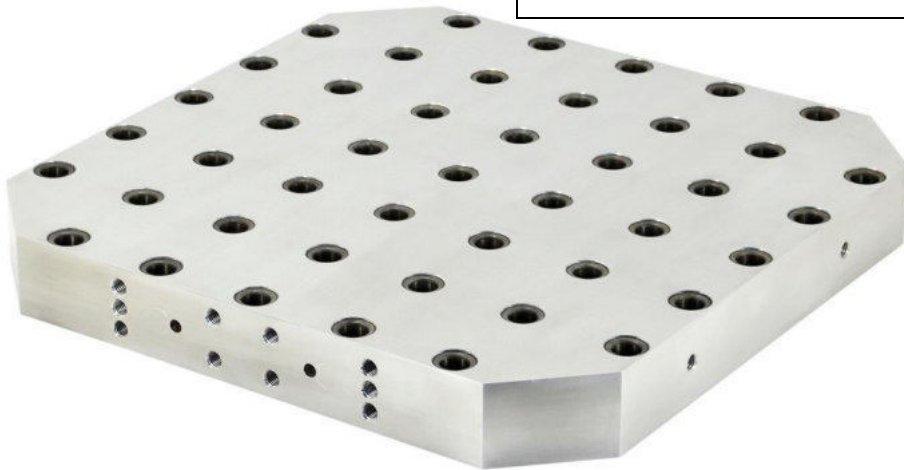
Technical Data	T-Notch Pallet
Pallet with hardened steel plate and polished T-notch	
Dimensions	321 x 321 x 50 mm
Material Alu, compatible with UPC®* clamping system of Erowa AG	
Including	centring elements clamping spigots hardened Z-supports
T-Notch (4 pcs)	10H7 mm / distance 75 mm



Order number Pallet ALU	PSE-Pallet 320
Order number T-Notch Pallet	PSE-Pallet T-Notch 10H7

Technical Data		Raster Pallet
Design with M12 thread and bores Ø 12F7 mm, compatible with UPC®* clamping system of Erowa AG		
Material thread inserts	M12 steel	
Material	Alu	
Dimensions	321 x 321 x 40 mm	
Raster bores	Ø 12F7 mm / distance 50 mm	
Including	centring elements clamping spigots hardened Z-supports	

Order number
PSE-Pallet Raster 12F7



WMC-150

Coupling part for pallets

Including **screws**
clamping spigots

Material Stahl, rustproof, **compatible with** UPC®*
clamping system of Erowa AG

Dimensions **150 x 38 x 20 mm**

Order number **PSE coupling**



Grips 195

Grips for pallets, compatible with UPC®* clamping
system of Erowa AG

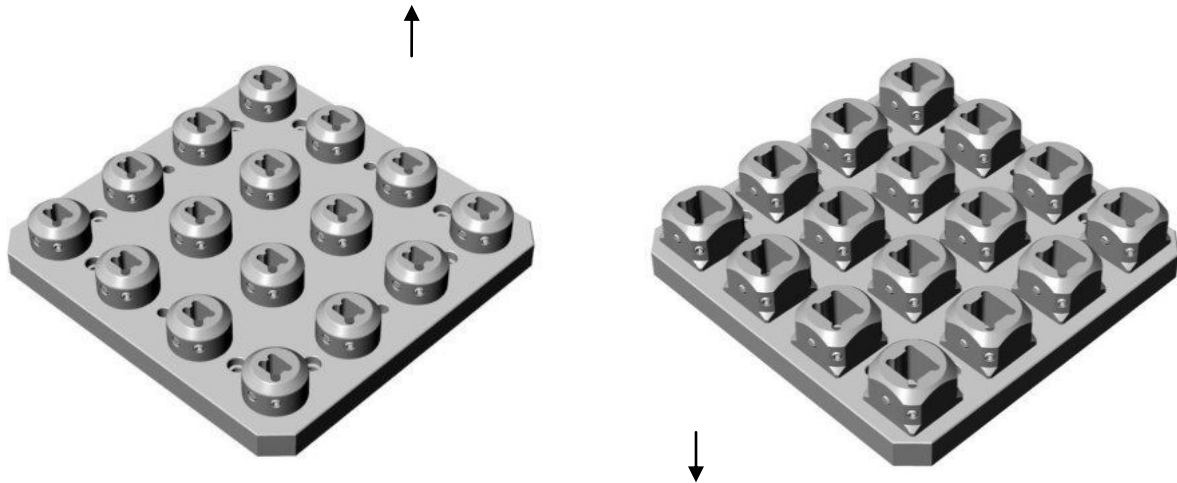
Including **screws M8 x 30 mm**

Dimensions **195 x 50 x 20 mm**

Order number **PSE grips**



Technical Data	16-fold Square 15 mm
Base plate material Alu, compatible with UPC®* clamping system of Erowa AG	
Material	rustproof, hardened 54 HRC
Dimensions	320 x 320 x 72 mm
square	15 mm



Technical Data	16-fold Square 25 mm
Base plate material Alu, compatible with UPC®* clamping system of Erowa AG	
Material	rustproof, hardened 54 HRC
Dimensions	320 x 320 x 76 mm
Square	25 mm

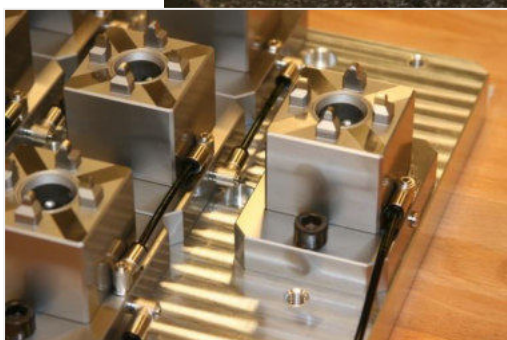
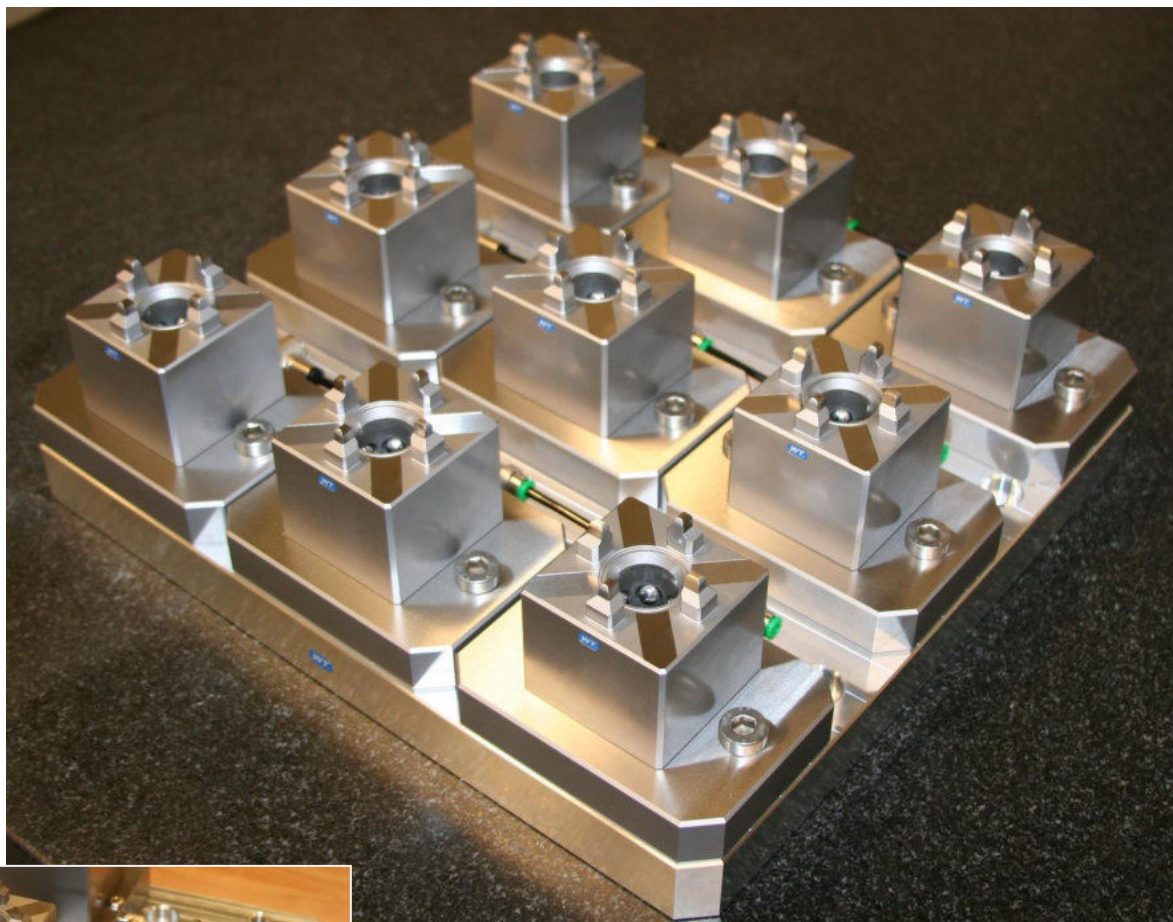
Order number Holder 15	PSE-16-fold WQ15
Order number Holder 25	PSE-16-fold WQ25



Pneumatic

Technical Data	Pallet WPU100D-4
Dimensions	320 x 320 x 40 (only pallet)
Total height	109 mm (pallet incl. clamping chuck)
Height Z-support	56 mm
All 4 pieces of clamping chuck WPU100D are separately controllable, compatible with UPC®* clamping system of Erowa AG	

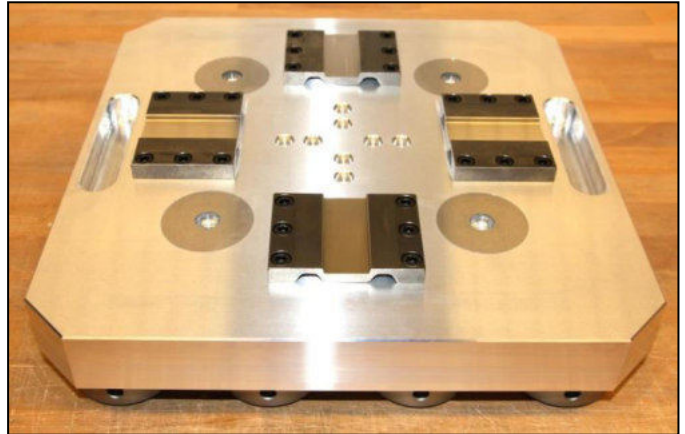
Order number	PSE-Pallet WPU100D-4
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Technical Data	9-fold Clamping Chuck
Dimensions	306 x 306 x 65 mm
Distance	Maß 65 mm ist Z-support Z-0
Base plate material	Alu
Material rustproof, hardened 54 HRC, compatible with UPC®* clamping system of Erowa AG	

Order number	PSE-9-fold
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Technical Data	Pallet-WMC100
Dimensions	320 x 320 x 76 mm
Base plate material	Alu
Material rustproof, hardened 54 HRC, compatible with UPC®* clamping system of Erowa AG	

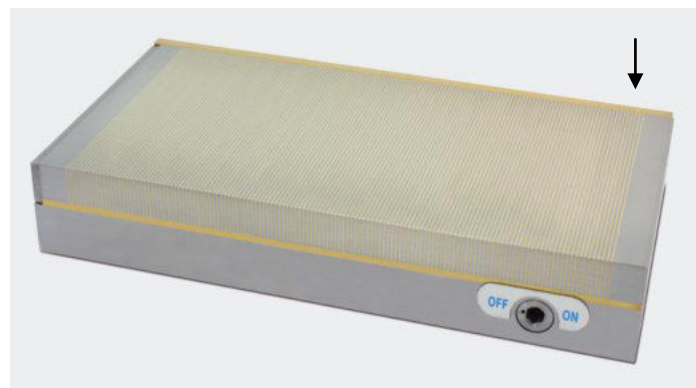
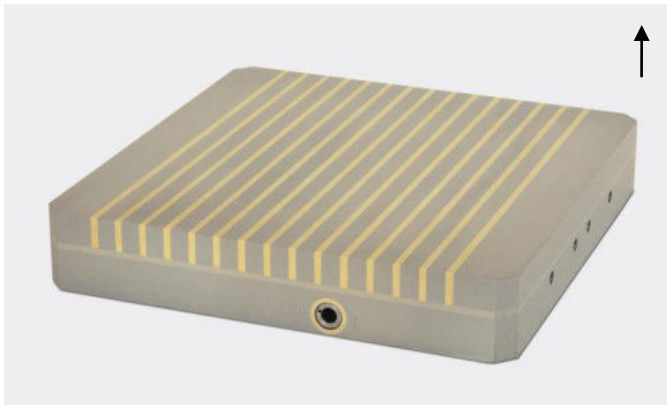


Technical Data	Pallet-16-fold holder
16-fold holder	8 pieces of square front parts 15 mm 8 pieces of square front parts 25 mm
Base plate material	Alu
Dimensions	320 x 320 x 72 mm
Material rustproof, hardened 54 HRC, compatible with UPC®* clamping system of Erowa AG	



Order number Pallet-4-fold clamping chuck WMC100	PSE-WMC-4
Order number Square pallet	PSE-Pallet square WQ15 and WQ25

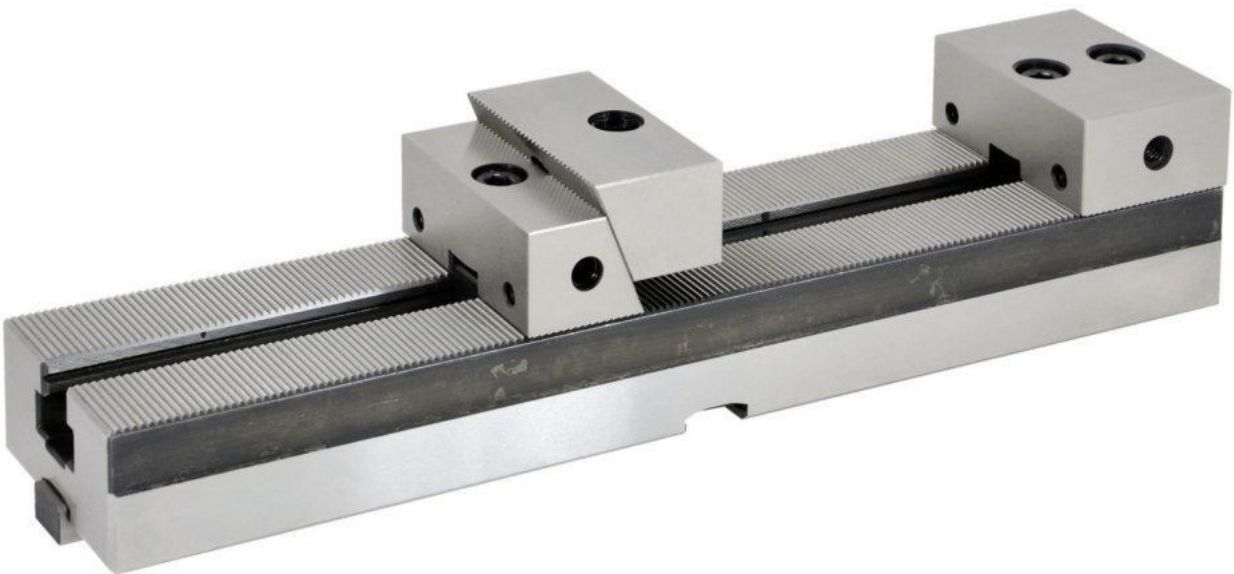
Technical Data	Magnetic Clamping Plate
Permanent magnetic clamping plate for high precision grinding and eroding works. Also appropriate for light milling works	
Holding force	approx. 100 N/cm²
Transverse pole partition	1.4 + 0.5 mm
Dimensions	321 x 321 x 60 mm
Corners	40 mm x 45°
Designed	for mounting on pallets or for direct insertion of reference elements



Technical Data	Magnetic Clamping Plate
Permanent magnetic clamping plate for high precision grinding and eroding works. Also appropriate for light milling works	
Holding force	approx. 100 N/cm²
Transverse pole partition	1.4 + 0.5 mm
Dimensions	300 x 150 x 51 mm
Designed	for mounting on pallets

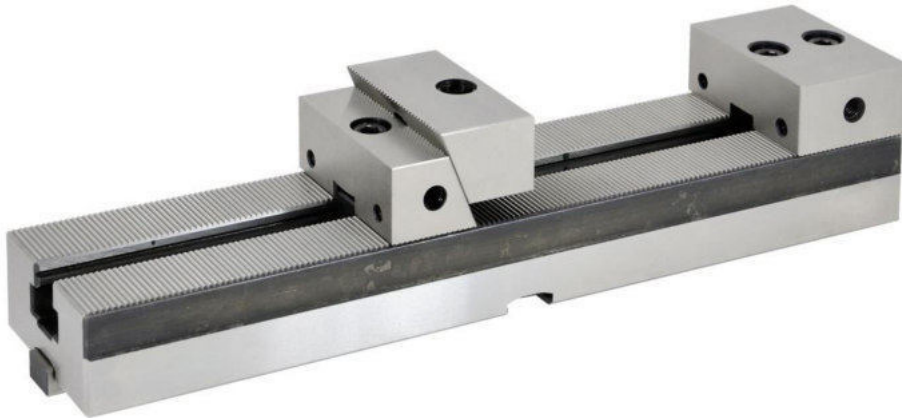
Order number 321 x 321 x 40 mm	PSE-Magnetic clamping plate 321x321x40
Order number 300 x 150 x 51 mm	PSE-Magnetic clamping plate 300x150x51

Clamping rails

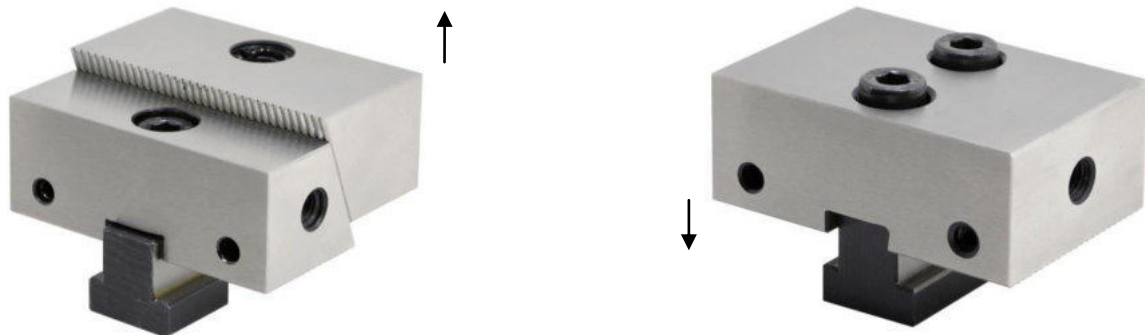


PSE Clamping rail 320 mm

Technical Data	Clamping Rail 320 mm
Hardened and polished steel design	
Clamping range	0 to 220 mm
Base support	2 mm positioning grid
Screwing	M8 screws
Hole distance	80 mm raster through T-notch
Fitting bore	Ø 25H7 mm
Dimension	320 x 70 x 61 mm
Suitable for mounting on pallets or direct mounting on the machine table	



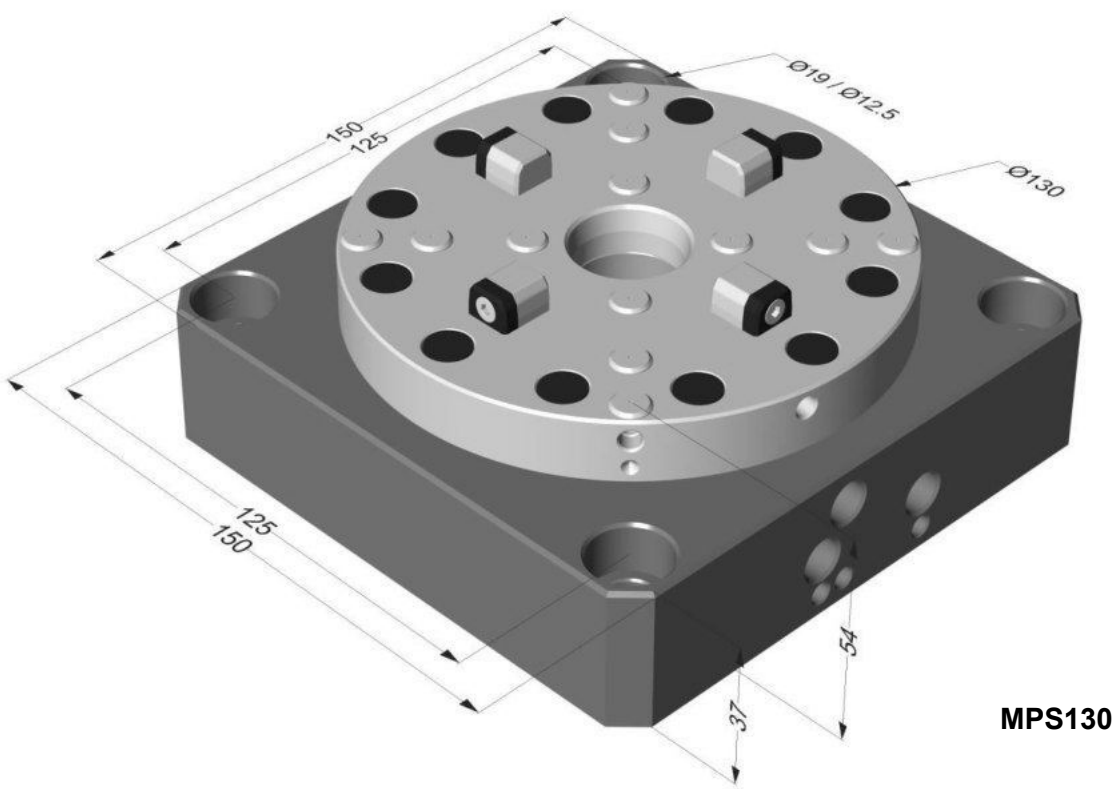
Technical Data	Flexible Clamping Jaws
Hardened and polished steel design incl. T-slot nut Clamping areas of the workpiece must have been processed. Usable for the clamping rail 320 mm	
Dimension	70 x 58 x 27.4 mm



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

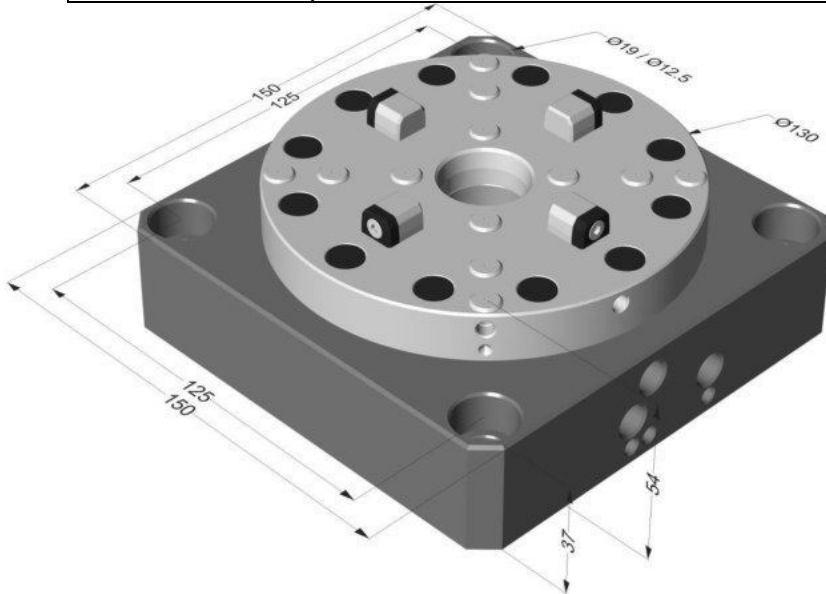
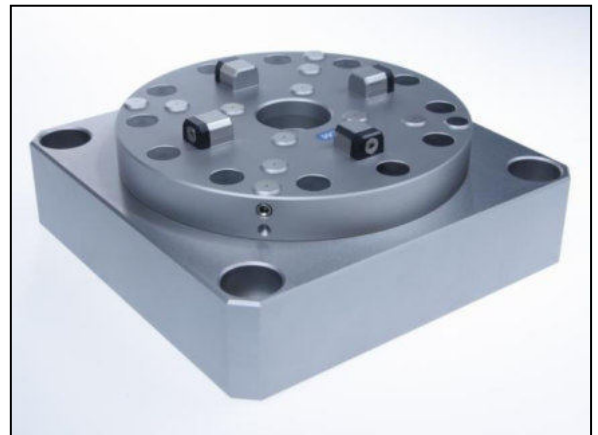
Order number Clamping rail	PSE-601/T2x320-Set
Order number Flexible clamping jaws	PSE-604/T2
Order number Fixed clamping jaws	PSE-605/T2

Palletizing systems

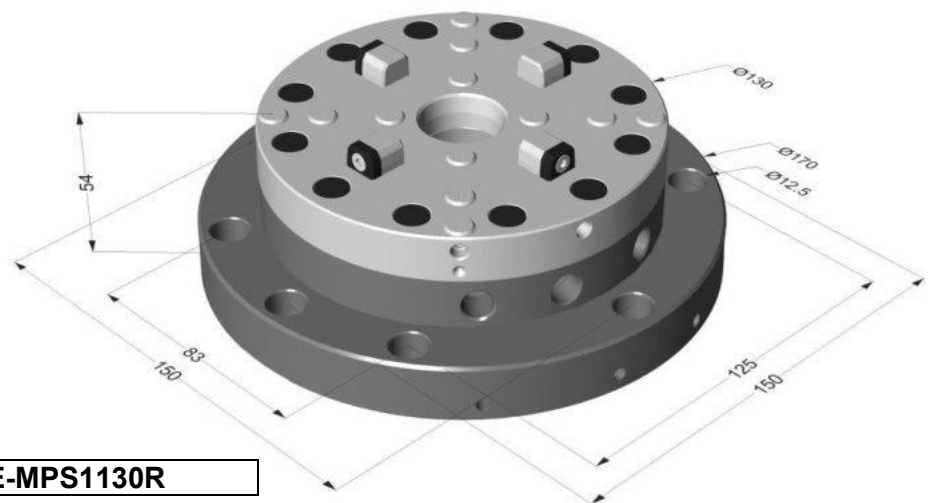


MPS130

Technical Data	<h1>Palletizing system</h1> <h2>MPS130 / MPS130D150</h2>
Zero point clamping chuck P130 for milling, sanding, drilling and vertical eroding machines Incl. indexing	
Basic system for INOX pallets	Ø 130 x 30 mm Ø 148 x 30 mm 198 x 198 x 40 mm (ALU pallet)
Repetition accuracy	± 0.002 mm
Position oriented pallet	4 x 90°


MPS130


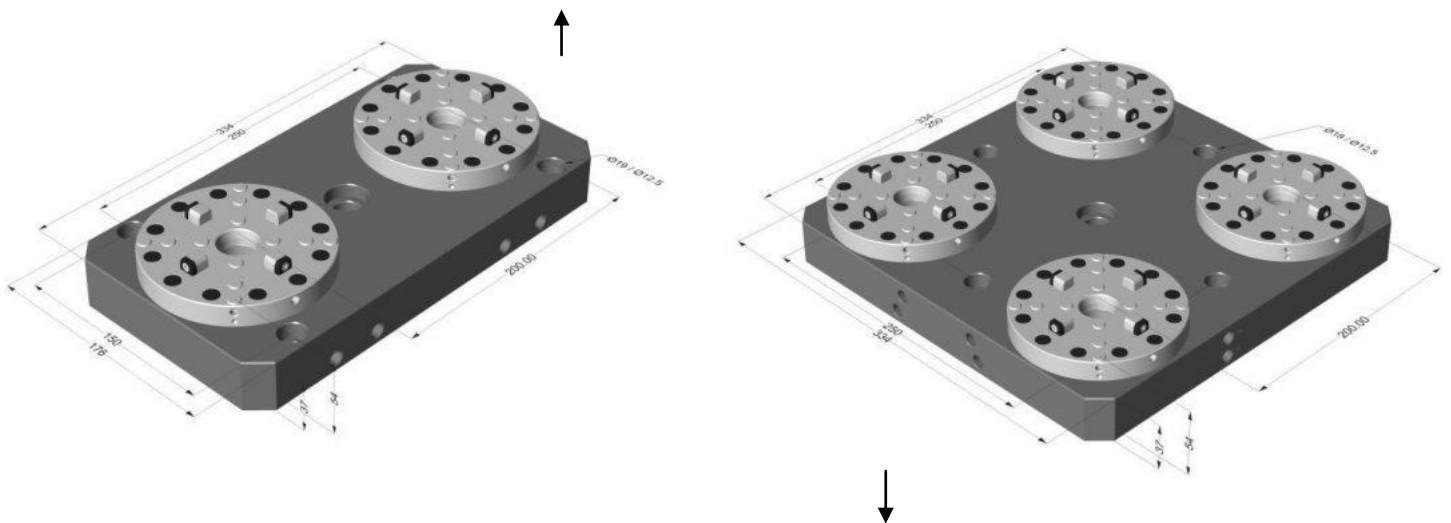
Order number

PSE-MPS1130


Order number

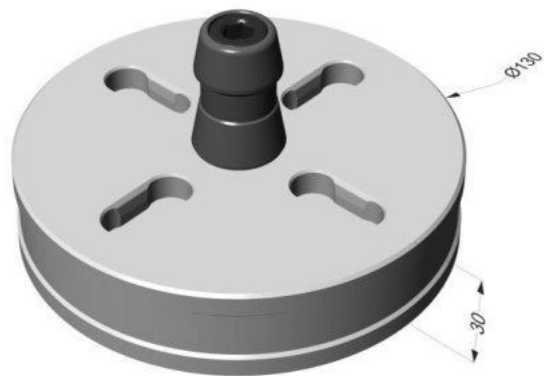
PSE-MPS1130R
MPS130D150

Technical Data	MPS130 2 incl. indexing
Basic system for pallets	Ø 130 x 30 mm Ø 148 x 30 mm 198 x 198 x 40 mm (ALU pallet) 398 x 198 x 40 mm (ALU pallet)
Repetition accuracy	± 0,002 mm
Position oriented pallet	4 x 90°
Material	rustproof



Technical Data	MPS130 4 incl. indexing
Basic system for pallets	Ø 130 x 30 mm Ø 148 x 30 mm 198 x 198 x 40 mm (ALU pallet) 398 x 198 x 40 mm (ALU pallet) 398 x 398 x 40 mm (ALU pallet)
Repetition accuracy	± 0.002 mm
Position oriented pallet	4 x 90°
Material	rustproof

Order number MPS130 2er	PSE-MPS21130
Order number MPS130 4er	PSE-MPS41130



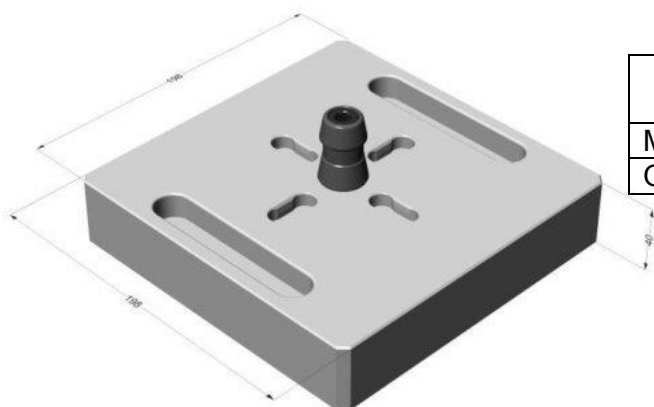
Pallet Ø 130 x 30 mm

Material	rustproof
Order number	PSE-P130-30 rustproof



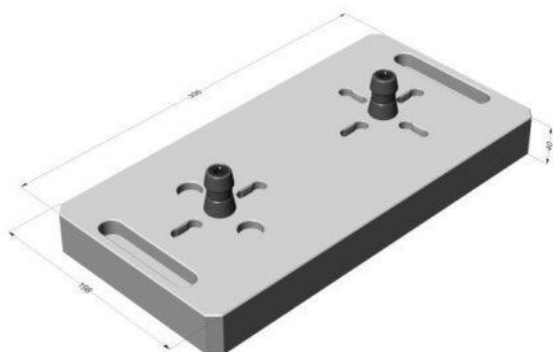
Pallet Ø 148 x 30 mm

Material	rustproof
Order number	PSE-P148-30 rustproof



Pallet 198 x 198 x 40 mm

Material	ALU
Order number	PSE-P198-40 ALU

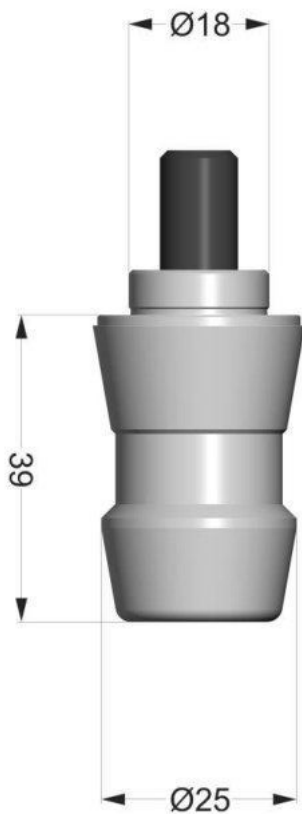
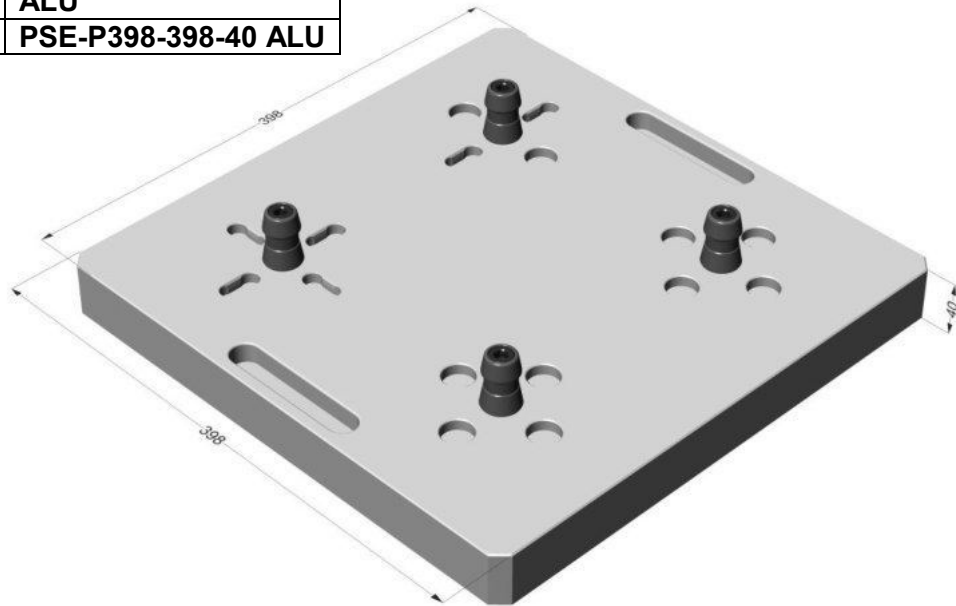


Pallet 198 x 398 x 40 mm

Material	ALU
Order number	PSE-P198-398-40 ALU

Pallet 398 x 398 x 40 mm

Material	ALU
Order number	PSE-P398-398-40 ALU



Clamping Spigot MPS

Order number	PSE-S130
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Control Unit RCV 5000

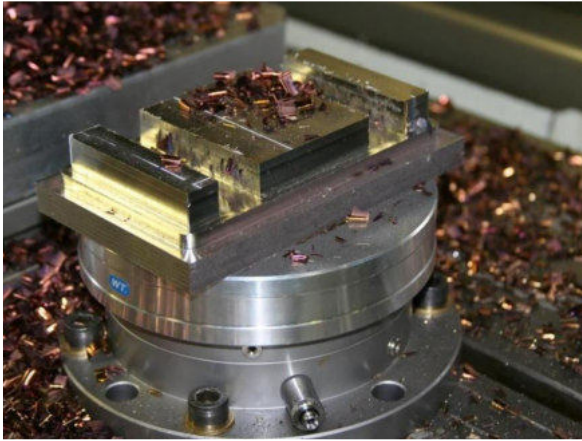
For clamping and releasing the pallets. Pneumatic control unit for all pallet chucks.

Control	All pallet chucks are individually controllable
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Order number	PSE-RCV 5000
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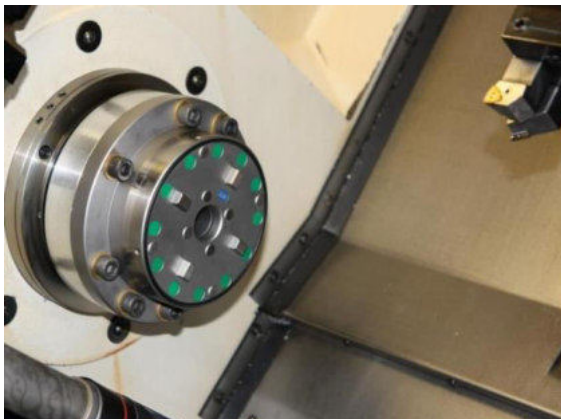
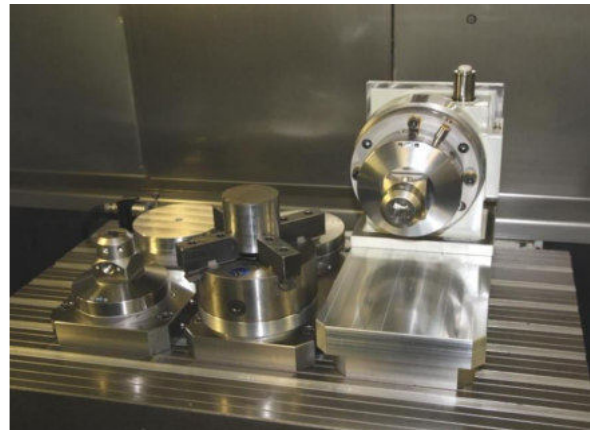


Examples of use



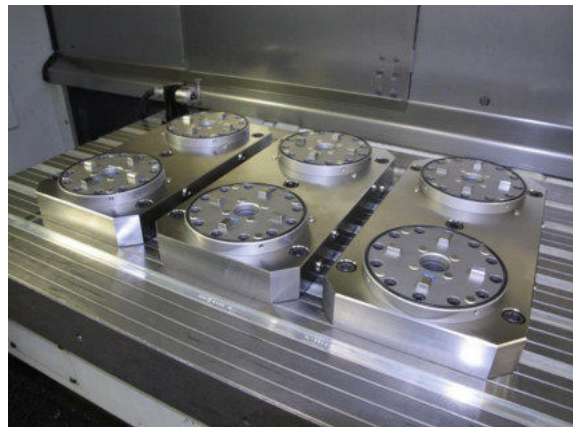
← Pallet on **MPS2130**

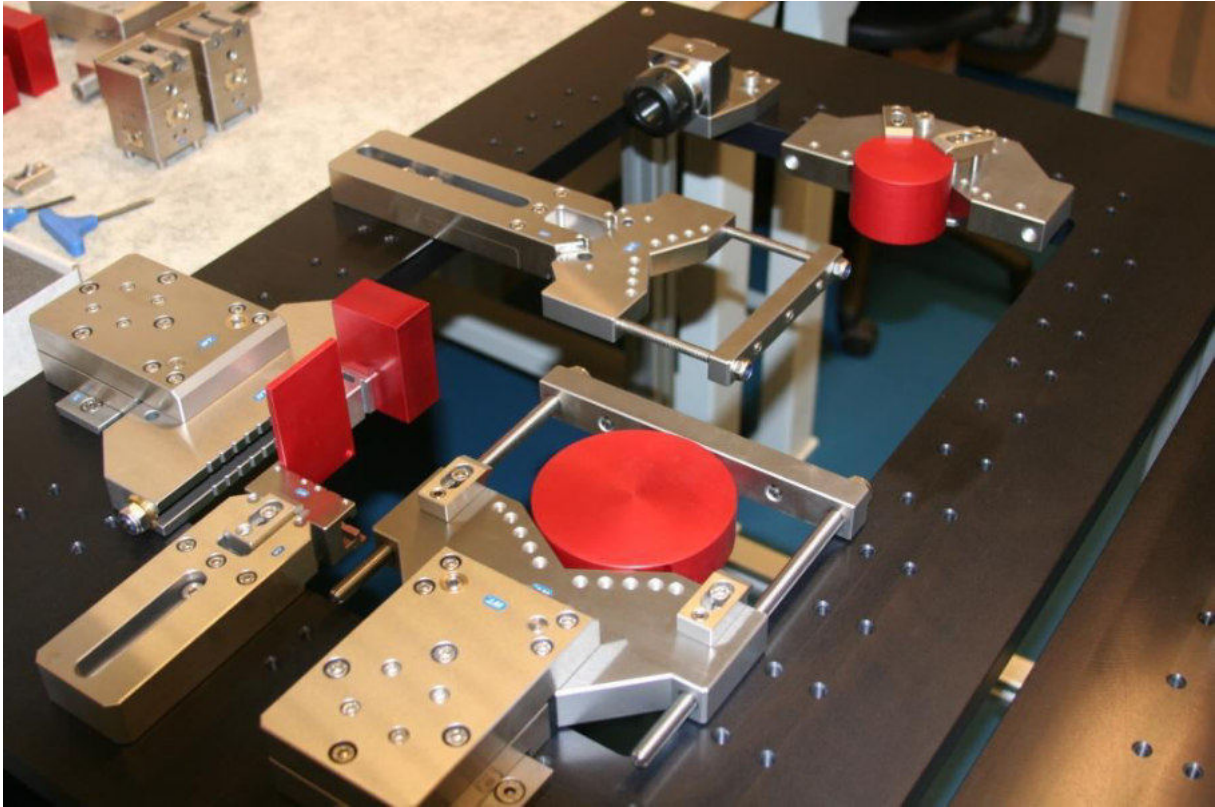
Pallet with brass holder



← **MPS2130 1 D150**
on a lathe

P2130 2 on a milling machine





DEMO table with examples of use from practice

PSE WEDM Clamping system for wire eroding machines

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.

- ◆ 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

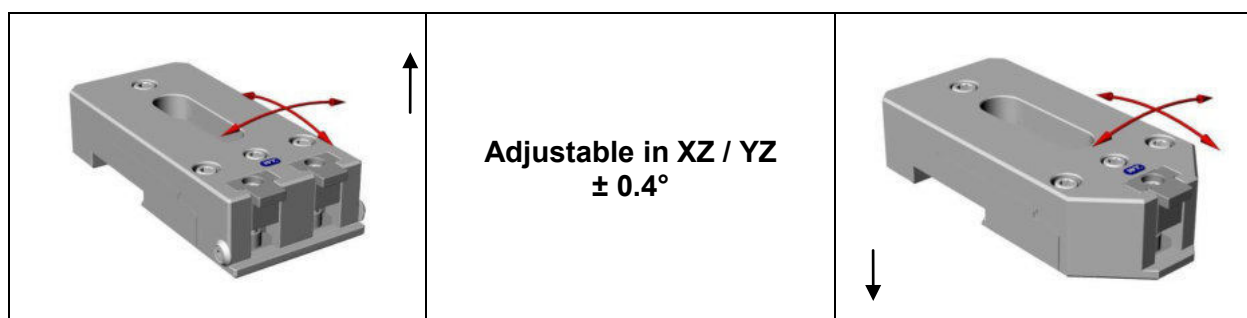
Tip holders





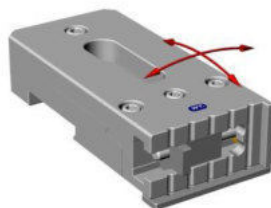
WZJ130R


Technical Data		WZJ130R
Mounting	for WL75 or WL125 reference ruler	
Dimensions	130 x 60 x 30 mm	
Order number	PSE-WZJ130R	
Precision tip holder for fine machining on wire erosion and for adjustable workpiece setting in 2 axes		
		
Workpiece height max. 60 mm		Workpiece height min. 0.25 mm




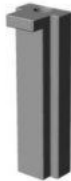


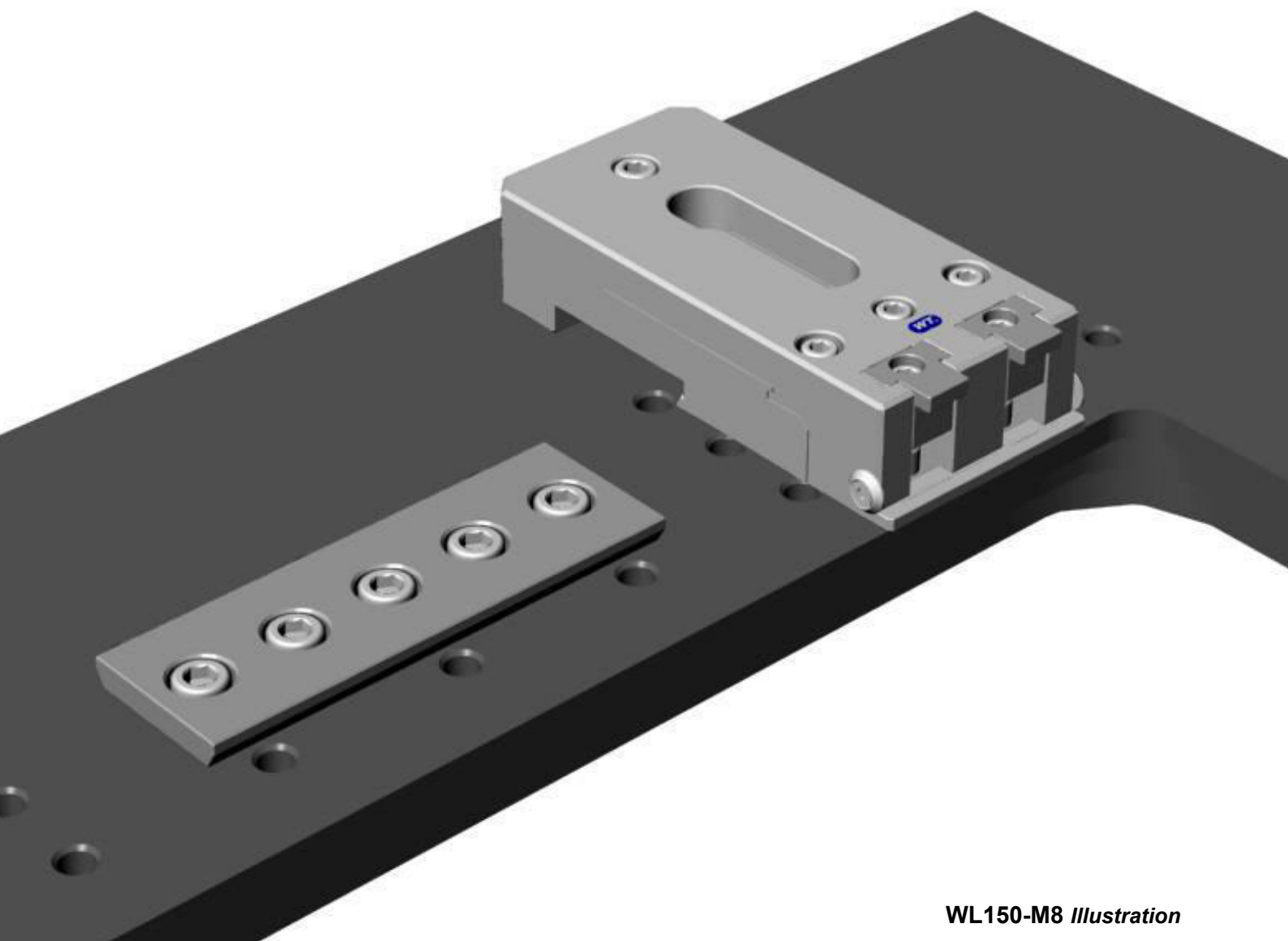
Technical Data		WZJ130VR
Mounting	for WL75 or WL125 reference ruler	
Dimensions	130 x 60 x 30 mm	
Order number	PSE-WZJ130VR	
Tip holder with guided clamping jaw WZJ130VR		
		
Workpiece height max. 60 mm	Workpiece height min. 0.25 mm	

Technical Data		WZJ130HR
Mounting	for WL75 or WL125 reference ruler	
Dimensions	130 x 60 x 30 mm	
Order number	PSE-WZJ130R	
Tip holder for adjustable Workpiece setting in 2 axes		
		
Workpiece height max. 100 mm	Workpiece height min. 0.25 mm	
		 Adjustable in XZ / YZ ± 0.4°


Clamping jaws for tip holder WZJ130HR	0-33 mm	
Order number	PSE-WS/WRS 0-33	


Clamping jaws for tip holder WZJ130HR	33-66 mm	
Order number	PSE-WS/WRS 33-66	

Clamping jaws for tip holder WZJ130HR	66-100 mm	
Order number	PSE-WS/WRS 66-100	




WL150-M8 Illustration

Technical Data	WL75-M8	
Order number	PSE-WL75-M8	
Reference element of series 200xJ-X		
Dimensions	L = 75 mm	
Hole spacing ²	25 mm	
Mounting holes	appropriate for M8 screws	

Technical Data	WL150-M8	
Order number	PSE-WL150-M8	
Reference element of series 200xJ-X		
Dimensions	L = 125 mm	
Hole spacing ²	25 mm	
Mounting holes	appropriate for M8 screws	

² appropriate for all wire eroding machines

Technical Data		WPC80S
Workpiece loading max. workpiece weight 30 kg with Z-support / 15 kg without Z-support, compatible with ITS®* clamping system of Erowa AG		
Connections	Lateral, for opening and re-tightening	
Dimensions	120 x 90 x 40 mm	
Flat chuck also available with Z-support cleaning		

Technical Data	WPC56HC 100 FSF
Pneumatic horizontal chuck 50 for flat chuck WPC56H100 FSF Workpiece loading max. workpiece weight 30 kg with Z-support / 15 kg without Z-support Flat chuck also available with Z-support cleaning, compatible with ITS®* clamping system of Erowa AG	
Connections	Lateral, for opening and re-tightening
Dimensions	120 x 90 x 40 mm
	

Order number WPC80S	PSE-WPC80S
Order number WPC80SC	PSE-WPC80SC
Order number WPC56H-100FSF	PSE-WPC56H-100FSF
Order number WPC56HC-100FSF	PSE-WPC56HC-100FSF

Vertically adjustable tip holders WZ

Tip holder for easy setting of the workpiece plane. The construction allows longitudinal and vertical setting of the plane.

Range of vertical setting ± 0.25 mm, adjustable



WZ150L	Tip holder with LOGIC system	
Dimensions	150 x 60 x 30 mm	
Groove	M8 screws	
Maximum workpiece weight	50 kg	
Order number	PSE-WZ150L	



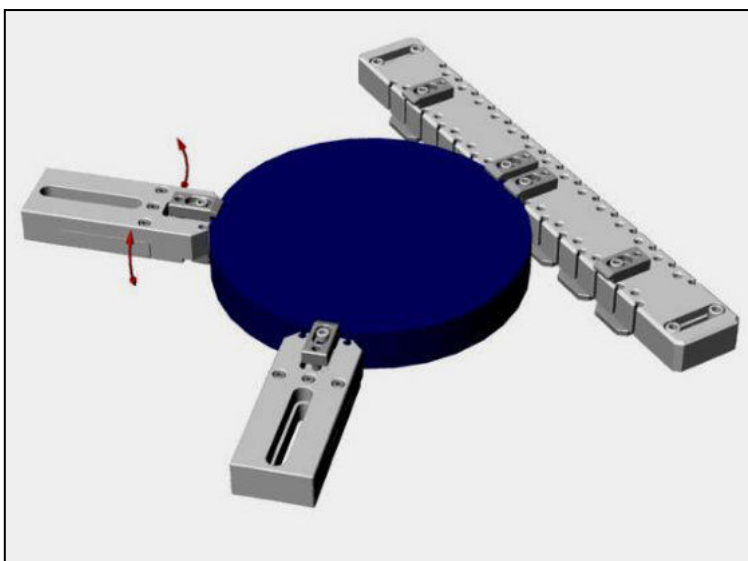
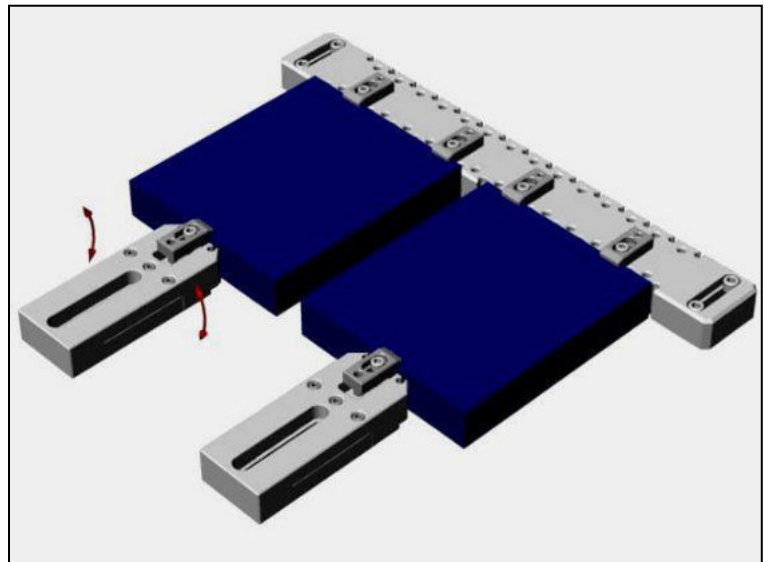
Tip holder with LOGIC system	WZ220L
Dimensions	220 x 66 x 30 mm
Groove	M8 screws
Maximum workpiece weight	60 kg
Order number	PSE-WZ220L

Examples of use for workpiece fixation




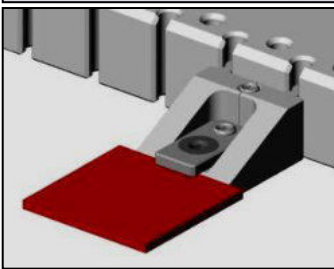
Workpiece fixation
with 4 pieces of tip holder
WZ150L

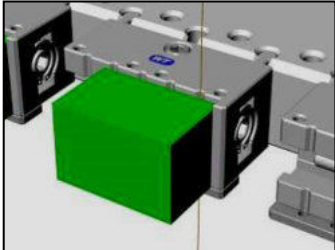

Workpiece fixation with 2 pieces
of tip holder **WZ150L** and
reference rulers in the model
example


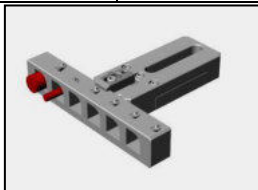
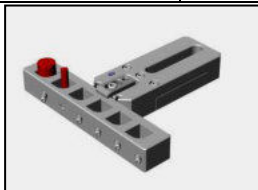


Workpiece fixation of a round
workpiece with 2 pieces of tip
holders **WZ150L** and reference
rulers in the model example

Accessories for reference rulers

<h1>WSD25L</h1>		 
Low-profile clamp for thin workpieces		
Dimensions	35 x 40 x 20 mm	
Mounting	on reference ruler type L	
Order number	PSE-WSD25L	

<h1>WS60L</h1>		
Flat vice for thin workpieces		
Dimensions	60 x 35 x 30 mm	
Mounting	on reference ruler type L	
Clamping range	0 - 100 mm	
Order number	PSE-WS60L	

<h1>WPR200</h1>		
Prism for round workpieces		
Dimensions	200 x 36 x 28	
Mounting	on tip holder WZ150L or WZ220 L	
Clamping range	Ø 3 - 20 mm	
Order number	PSE-WPR200	
		

WSD34LZ

Low-profile clamp for thin workpieces

Dimensions	42 x 40 x 20 mm
Mounting	on basic rulers WZ150L or WZ220L
Order number	PSE-WSD34LZ



WS60LZ

Flat vice for small workpieces

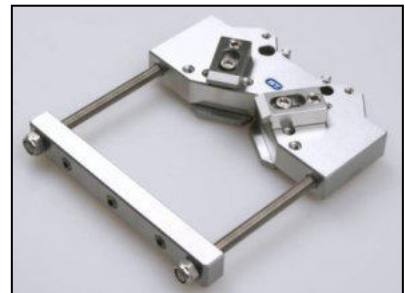
Dimensions	60 x 35 x 30 mm
Mounting	on basic rulers WZ150L or WZ220L
Clamping range	0 - 100 mm
Order number	PSE-WS60LZ



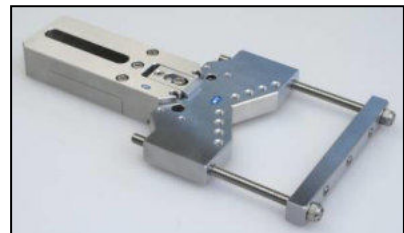
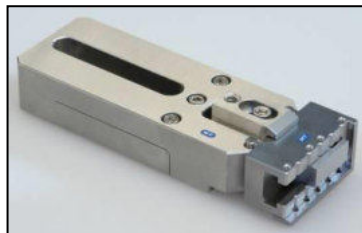
WNP120L

Prism for round or rectangular workpieces

Dimensions	86 x 150 x 19 mm
Mounting	on basic rulers WZ150L or WZ220 L
Clamping range	Ø 10 - 120 mm 120 x 120 mm
Order number	PSE-WNP120L



Accessories for tip holder WZ



Accessories for clamping system WEDM

Pendulum heads enable quick alignment in three axes.

The workpiece can be preset on a stone plate outside the machine.

Technical Data	WND10
Pendulum head 3D	
Adjustment	in three axes $\pm 1^\circ$
Maximum workpiece weight	10 kg
Dimensions	130 x 85 x 39 mm



Technical Data	WND15HP
Pendulum head 3D	
Adjustment	in three axes $\pm 1^\circ$
Maximum workpiece weight	15 kg
Dimensions	140 x 90 x 48 mm

<h1>WST120</h1>		
Basic set for round or rectangular workpieces		
Clamping range	Ø 120 mm 120 x 120 mm	
Dimensions	86 x 150 x 19 mm	
Mounting	on WND15HP	

Order number WND10	PSE-WND10
Order number WND15HP	PSE-WND15HP
Order number	PSE-WST120

WS150 HP

Flat vice 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



WNP175

Prism for round or rectangular workpieces

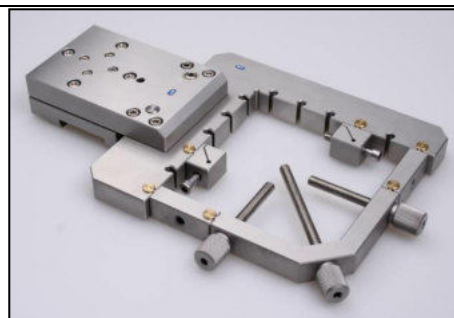
Clamping range	Ø 10 - 175 mm 175 x 175 mm
Maximum workpiece weight	15 kg
Mounting	on WND15HP
Dimensions	205 x 128 x 25 mm



WND10 SET

Basic set for small workpieces with round or rectangular profile

Maximum workpiece dimension	Ø 120 mm 120 x 120 mm
Maximum workpiece weight	10 kg



WNDP15HP SET

Set for workpieces with round or rectangular profile

Maximum workpiece dimension	Ø 10 - 175 mm 175 x 175 mm
Maximum workpiece weight	15 kg



Order number WS150 HP	PSE-WS150 HP
Order number WNP175	PSE-WNP175
Order number WND10 SET	PSE-WND10 SET
Order number WNDP15HP SET	PSE-WNDP15HP SET

WDP56 SET

Swivel vice for workpieces with round or rectangular profile

Clamping range **Ø 2 - 20 mm**

Vice **1 - 100 mm**

Mounting **on WND 10, WND15HP or directly on the machine table**

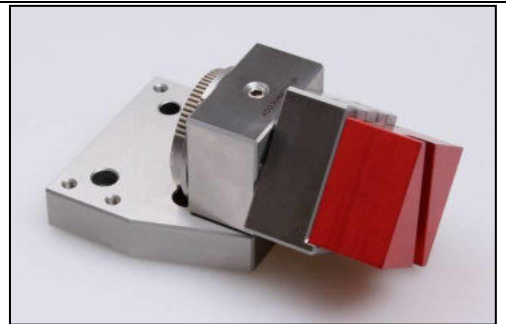
Angle adjustment by means of a cutting disk by 1° or a sine ruler



WDP56

Swivel vice

Clamping range **0 - 100 mm**



WDP56-ER32

Swivel vice incl. collet chuck ER32

Clamping range **Ø 2 - 20 mm**



Order number WDP56 SET

PSE-WDP56 SET

Order number WDP56

PSE-WDP56

Order number WDP56-ER32

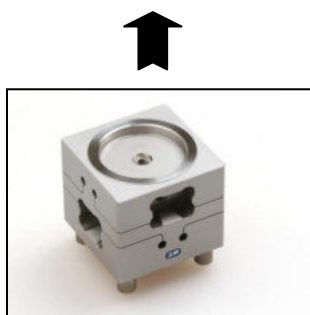
PSE-WDP56-ER32



WRS56

Pendulum swivel vice adjustable in three axes incl. angle adjustment, compatible with ITS®* clamping system of Erowa AG

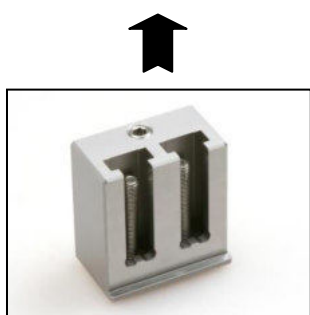
Clamping range	0 - 100 mm
Angle adjustment	360°
Order number	PSE-WRS56



WRS56-1

Basic element

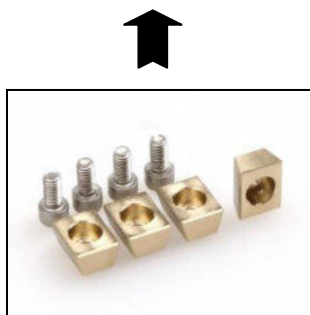
Order number	PSE-WRS56-1
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WRS56-2

Clamping part with 2 clamping jaws

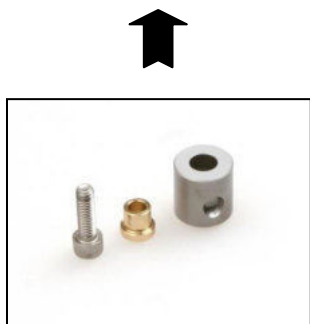
Order number	PSE-WRS56-2
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WRS56-3

Accessories for tip holder (Set of 4 pieces)

Order number	PSE-WRS56-3
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WRS56-11/13

Accessories for swivel head

Order number	PSE-WRS56-11/13
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Elemente WRS56



WRS56V	
Pendulum swivel vice adjustable in three axes incl. angle adjustment, compatible with ITS®* clamping system of Erowa AG	
Clamping range	0 - 100 mm
Angle adjustment	360°
Order number	PSE-WRS56V



WRS56V-1	
Basic element	
Order number	PSE-WRS56V-1



WRS56V-2	
Clamping part with 2 clamping jaws	
Order number	PSE-WRS56V-2



WRS56V-3	
Accessories for tip holder (Set of 4 pieces)	
Order number	PSE-WRS56V-3



WRS56V-11/13	
Accessories for swivel head	
Order number	PSE-WRS56V-11/13

Elements WRS56V

Basic sets for wire eroding machines

Set consists of

- ☐ Reference ruler
- ☐ 2 pcs of tip holders (WZ150L-Set)



WL330D Set	Basic set for Robofil 240
Dimensions	Groove for M8 screws Distance 290 mm Total length 330 mm
Maximum workpiece weight	200 kg
Compatible with Robofil*	
Order number	PSE-WL330D Set

WL330L Set	Basic set for Robofil 240
LOGIC system, 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 number	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 number	PSE-WL454D Set

WL454L Set	Basic set for Robofil 390
LOGIC system, 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 number	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 number		PSE-WL460D Set

WL460L Set		Basic set for Robofil 440	
LOGIC system, 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 number		PSE-WL460L Set	

WL410D Set		Basic set for Agie Serie 2	
Dimensions		Groove for M8 screws Distance 370 mm Total length 410 mm	
Maximum workpiece weight		200 kg	
Compatible with Agie*			
Order number		PSE-WL410D Set	

WL410L Set		Basic set for Agie Serie 2	
LOGIC system, 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 number		PSE-WL410L Set	

WL510D Set		Basic set for Agie Serie 3	
Dimensions		Groove for M8 screws Distance 469 mm Total length 509 mm	
Maximum workpiece weight		200 kg	
Compatible with Agie*			
Order number		PSE-WL510D Set	

WL510L Set		Basic set for Agie Serie 3	
LOGIC system, 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 number			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 number		PSE-WL416D Set	

WL416L Set		Basic set for Fanuc a0i	
LOGIC system, 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 number		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 number		PSE-WL466D Set	

WL466L Set		Basic set for Fanuc a0i3	
LOGIC system, 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 number		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 number		PSE-WL490D Set	

WL490L Set		Basic set for Fanuc a1i	
LOGIC system, 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 number		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 number		PSE-WL520D Set	

WL520L Set		Basic set for Fanuc a1iD	
LOGIC system, 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 number		PSE-WL520L 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 number		PSE-WL450D Set	

WL450L Set		Basic set for Fanuc 400iA	
LOGIC system, 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 number		PSE-WL450L 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 number		PSE-WL504D Set

WL504L Set		Basic set for Fanuc 600iA	
LOGIC system, 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 number		PSE-WL504L 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 number		PSE-WL470D Set	

WL470L Set		Basic set for Mitsubishi FA20	
LOGIC system, 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 number		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 number		PSE-WL710D Set	

WL710L Set		Basic set for Sodick Premium	
LOGIC system, for further extension of clamping possibilities			
Dimensions		Groove for M8 screws Distance 670 mm Total length 710 mm	
Maximum workpiece weight		200 kg	
Compatible with Sodick*			
Order number		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 number		PSE-WL510D Set	

WL510L Set		Basic set for Sodick AQ327L	
LOGIC system, 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 number		PSE-WL510L Set	

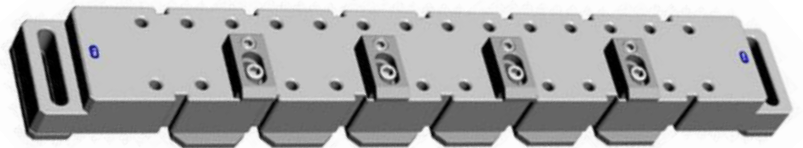
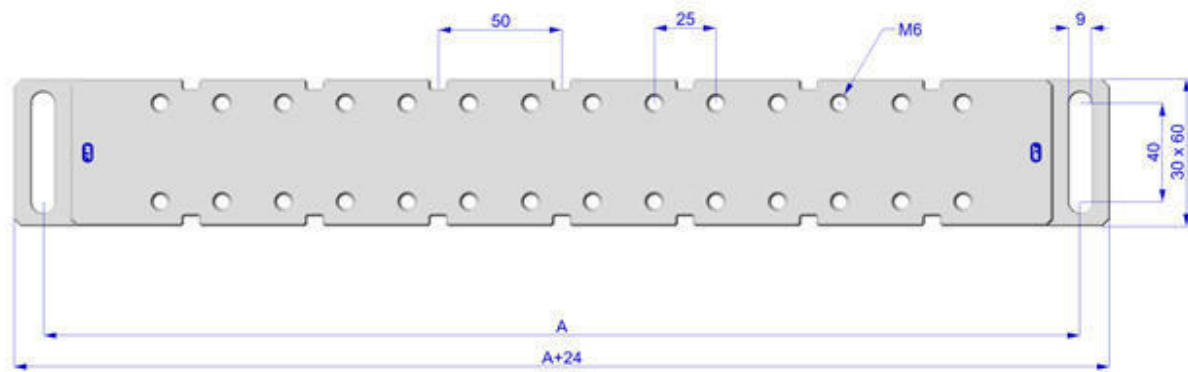
Basic sets for other machines on request

Basic rulers

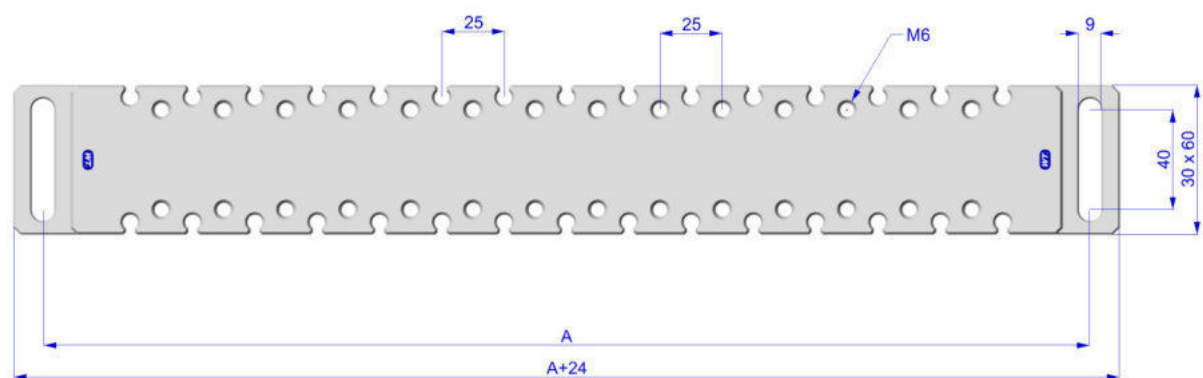


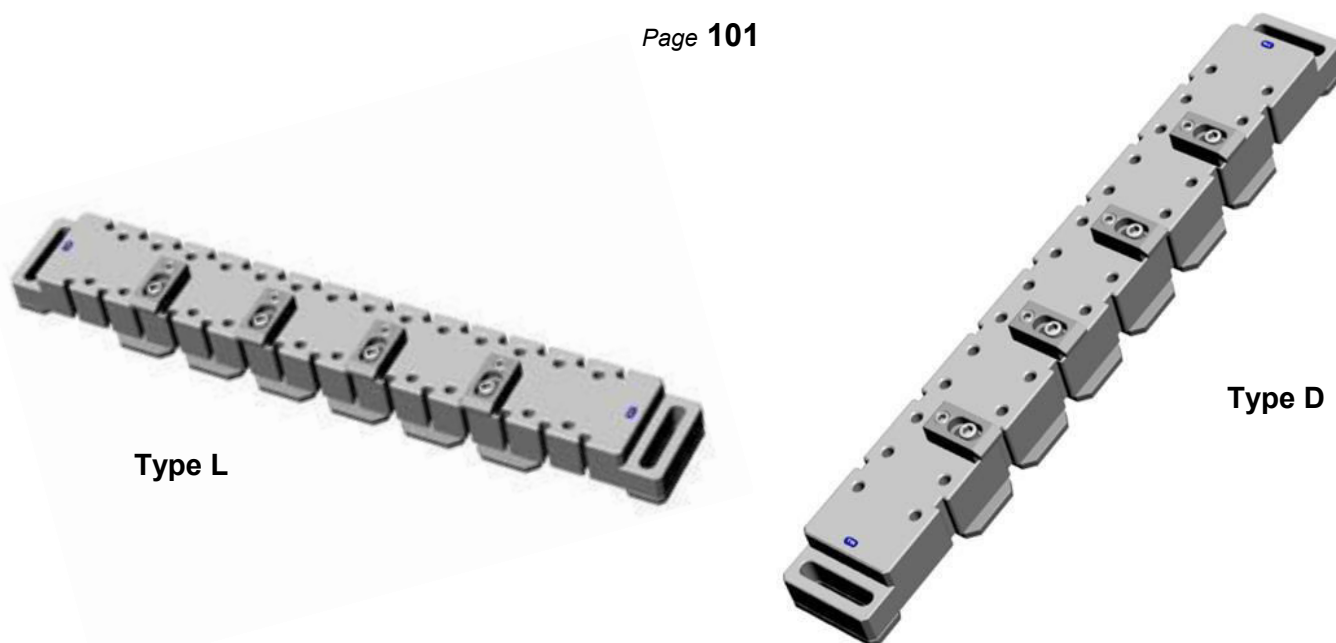
Basic ruler Type D

Basic ruler standard



Basic ruler **LOGIC**





Type L

Type D

Basic rulers for Robofil* 240 *compatible with WL330*

Dimensions		Groove for M8 screws Distance 290 mm Total length 330 mm	
Order number	PSE-WL330D	Order number	PSE-WL330L

Basic rulers for Robofil* 390 *compatible with WL454*

Dimensions		Groove for M8 screws Distance 414 mm Total length 454 mm	
Order number	PSE-WL454D	Order number	PSE-WL454L

Basic rulers for Robofil* 440 *compatible with WL460*

Dimensions		Groove for M8 screws Distance 420 mm Total length 460 mm	
Order number	PSE-WL460D	Order number	PSE-WL460L

Basic rulers for Robofil* 440 *compatible with WL440*

Dimensions		Groove for M8 screws Distance 400 mm Total length 440 mm	
Order number	PSE-WL440D	Order number	PSE-WL440L

Basic rulers for Agie* 2 *compatible with WL410*

Dimensions		Groove for M8 screws Distance 370 mm Total length 410 mm	
Order number	PSE-WL410D	Order number	PSE-WL410L

Basic rulers for Agie* 3 *compatible with WL510*

Dimensions		Groove for M8 screws Distance 469 mm Total length 509 mm	
Order number	PSE-WL510D	Order number	PSE-WL510L

Basic rulers for Fanuc* a0i *compatible with WL416*

Dimensions		Groove for M8 screws Distance 376 mm Total length 416 mm	
Order number	PSE-WL416D	Order number	PSE-WL416L

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

Dimensions		Groove for M8 screws Distance 426 mm Total length 466 mm	
Order number	PSE-WL466D	Order number	PSE-WL466L

Basic rulers for Fanuc* a1i *compatible with WL490*

Dimensions		Groove for M8 screws Distance 450 mm Total length 490 mm	
Order number	PSE-WL490D	Order number	PSE-WL490L

Basic rulers for Fanuc* a1iD *compatible with WL520*

Dimensions		Groove for M8 screws Distance 480 mm Total length 520 mm	
Order number	PSE-WL520D	Order number	PSE-WL520L

Basic rulers for Fanuc* C400iA *compatible with WL450*

Dimensions		Groove for M8 screws Distance 426 mm Total length 450 mm	
Order number	PSE-WL450D	Order number	PSE-WL450L

Basic rulers for Fanuc* C600iA *compatible with WL504*

Dimensions		Groove for M8 screws Distance 480 mm Total length 504 mm	
Order number	PSE-WL504D	Order number	PSE-WL504L

Basic rulers for Mitsubishi* FA20 *compatible with WL470*

Dimensions		Groove for M8 screws Distance 430 mm Total length 470 mm	
Order number	PSE-WL470D	Order number	PSE-WL470L

Basic rulers for Sodick* AQ327L *compatible with WL510*

Dimensions		Groove for M8 screws Distance 470 mm Total length 510 mm	
Order number	PSE-WL510D	Order number	PSE-WL510L

Basic rulers for Sodick* Premium *compatible with WL710*

Dimensions		Groove for M8 screws Distance 670 mm Total length 710 mm	
Order number	PSE-WL710D	Order number	PSE-WL710L

Set Clamping accessories WIRE EDM rustproof

6 pcs	Screws M6 x 12 rustproof
6 pcs	Screws M6 x 20 rustproof
6 pcs	Screws M6 x 30 rustproof
6 pcs	Screws M6 x 40 rustproof
6 pcs	Screws M6 x 50 rustproof
6 pcs	Screws M6 x 60 rustproof
6 pcs	Screws M6 x 70 rustproof
6 pcs	Screws M6 x 80 rustproof
6 pcs	Screws M6 x 90 rustproof
6 pcs	Screws M6 x 100 rustproof
6 pcs	Hexagon spacing screws M8x12 rustproof
6 pcs	Hexagon spacing screws M8x20 rustproof
6 pcs	Hexagon spacing screws M8x30 rustproof
6 pcs	Hexagon spacing screws M8x40 rustproof
12 pcs	Hexagon spacers M6x30 rustproof
12 pcs	Hexagon spacers M8x30 rustproof
15 pcs	Holding magnets Ø 12.5 mm
2 pcs	Plastic boxes 190 x 280 x 50mm

Order number	PPSEWSS200 Set for Wire EDM
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General Business Terms and Conditions

Prices are valid as of March 2018 (Subject to price changes)

Transport and packaging excluded

VAT or any other taxes excluded

Insurance fees excluded

Mounting excluded

Terms of payment within 10 days incl. 2 % cash discount or 30 days net from date of invoice

Goods remain the property of PSE GmbH until complete payment has been received.

Complaints can only be accepted if they are submitted in writing within 10 days upon receipt of goods. Later complaints shall not be considered.





PSE GmbH

Bangertsgasse 2
D-64850 Schaafheim
Germany

Tel: +49(0) 6073 742 252
Mobil: +49(0) 171 3 219 644
Fax: +49(0) 6073 742 253

www.pse-wtec.de info@pse-wtec.de

