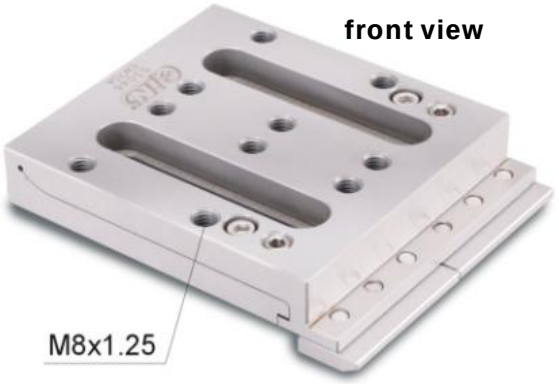
Wire EDM Extensions Clamp

53046 EW70A Levelling Extension Clamp



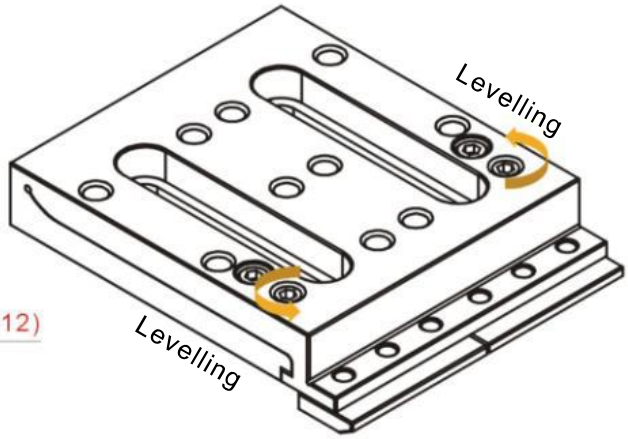
Features:

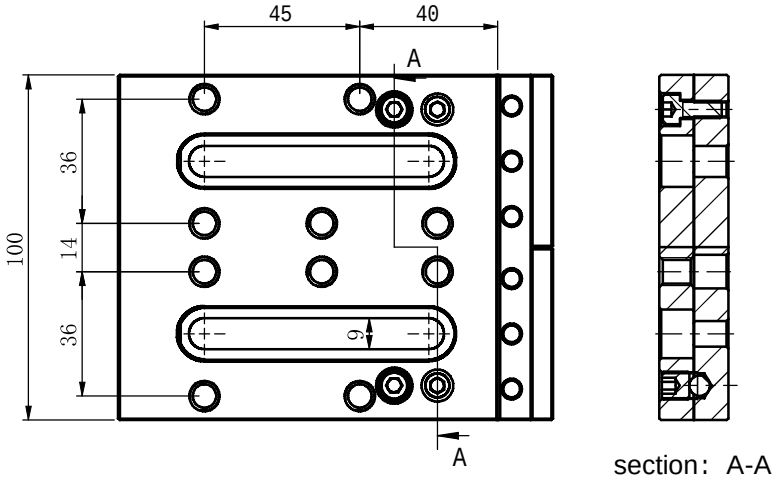
- Adopting stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Based on the type of WEDM machines and workpiece applied, it can make various combinations.

Material	SUS440
Hardness	HRC50°-55°
Parallelism	within 0.003mm/100mm
Squareness	within 0.005mm/100mm

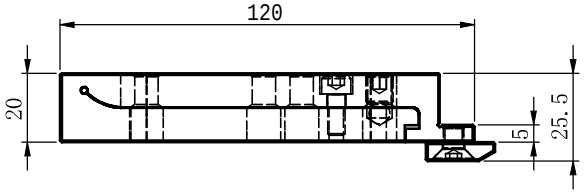
With levelling adjustable function see below figure.

N.W. 1.4kg





section: A-A

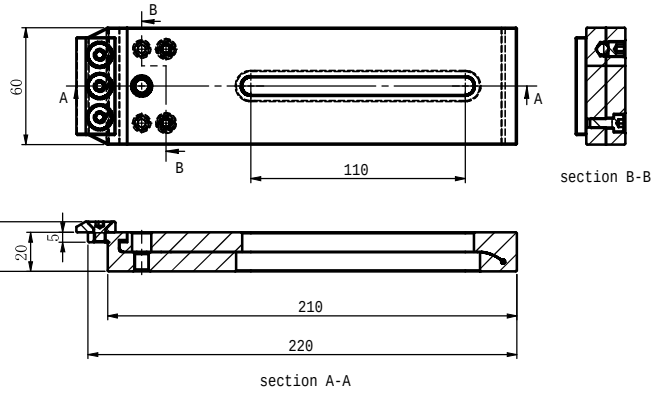


53047 EW90A Wire EDM Extension Clamp

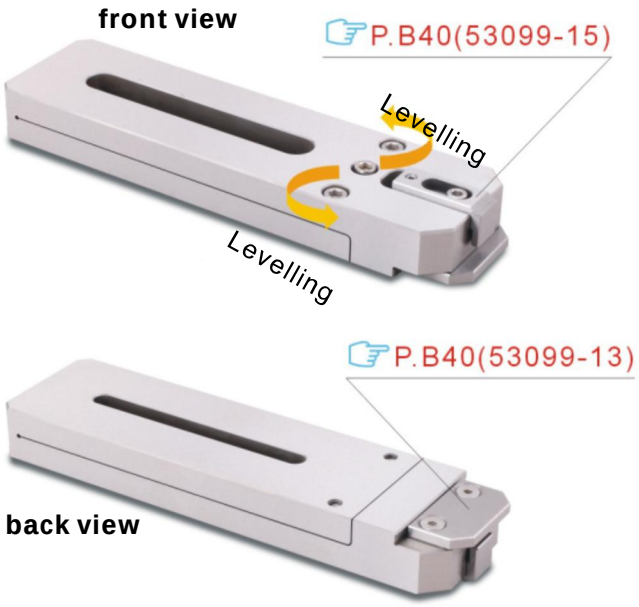
Features:

- Adopting stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Based on the type of WEDM machines and workpiece applied, it can make various combinations.

Material	SUS440
Hardness	HRC50°-55°
Parallelism	within 0.003mm/100mm
Squareness	within 0.005mm/100mm



53048 EW90B Wire EDM Extensions Clamp

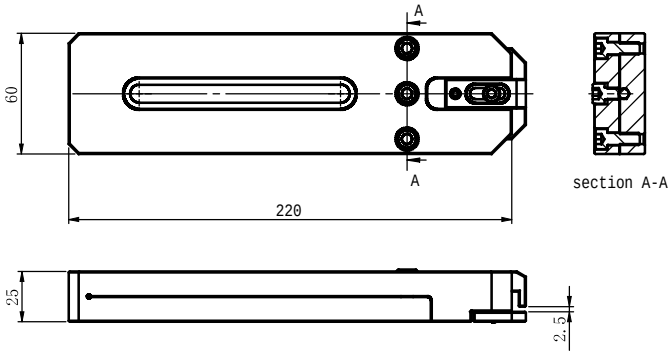


N.W. 2.0kg

Features:

- Adopting stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Based on the type of WEDM machines and workpiece applied, it can make various combinations.

Material	SUS440
Hardness	HRC50°-55°
Parallelism	within 0.003mm/100mm
Squareness	within 0.005mm/100mm

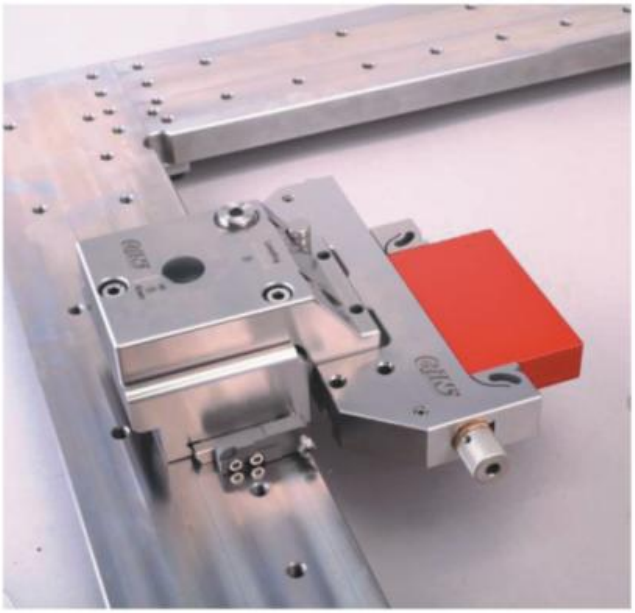


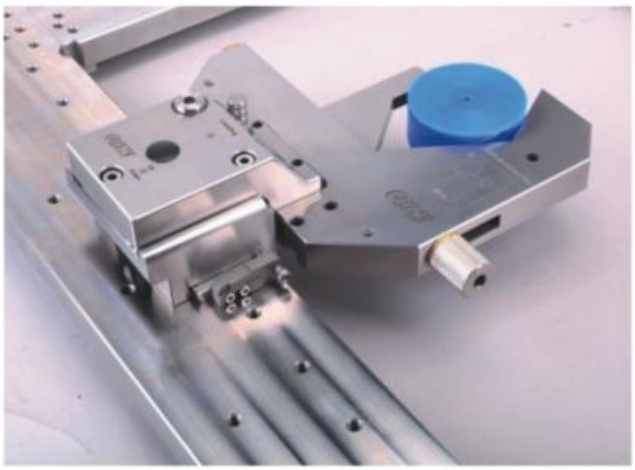
EWC Wire EDM Clamp System

EWC Reference System

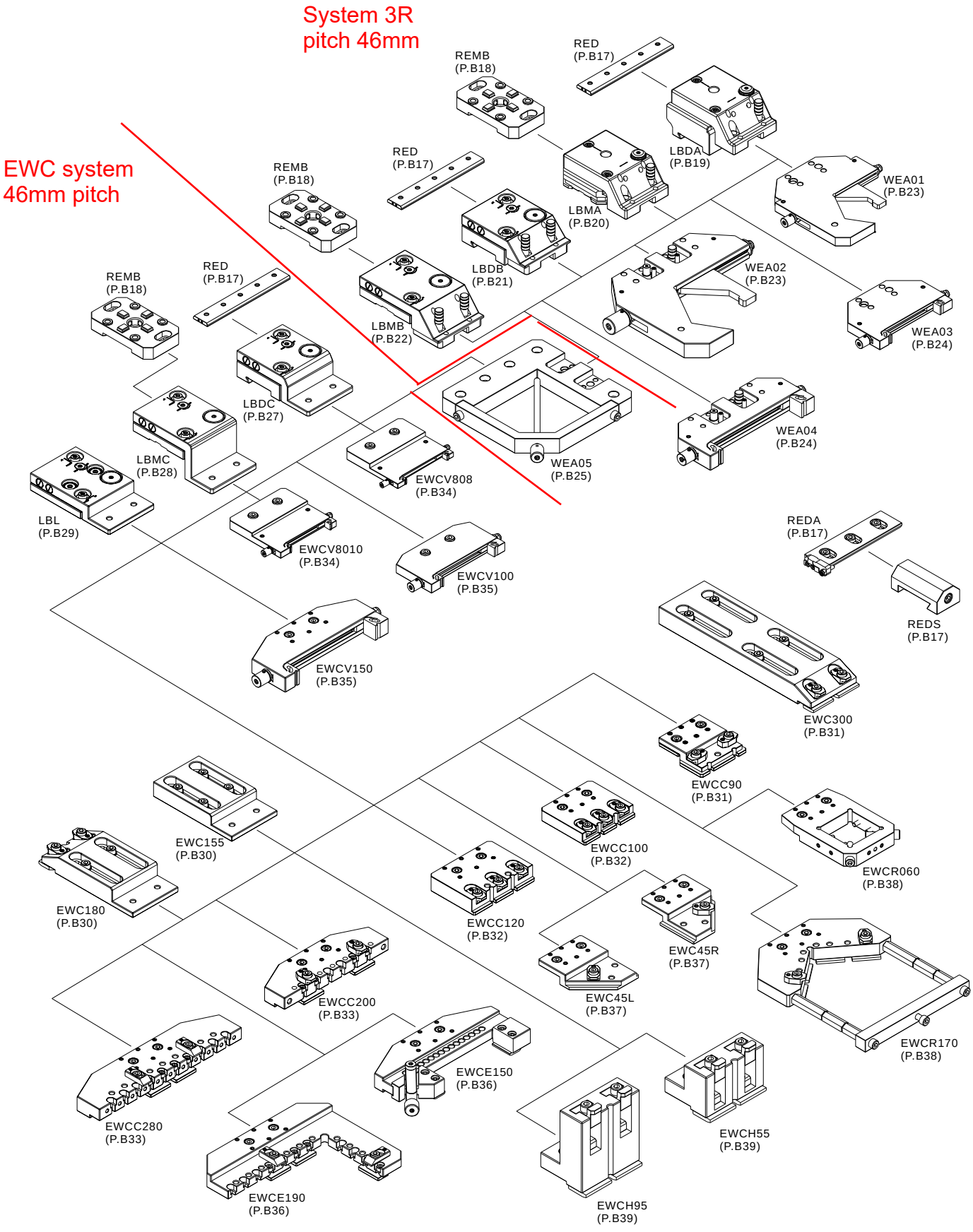
WEDM positions the workpiece on the zero line in the machine's working area. Whether the workpiece is rectangular or round, small or large, thin or thick, tall or short, it is clamped with minimal risk of collision. There are infinitely many possible combinations in the product range, EWC Clamp System breaks the limitation being the user's imagination.

- Exceptional flexibility
- Accurately ground-in references
- Repeatable accuracy
- Double-sided parallel references





OVERVIEW OF EWC CLAMP SYSTEM.

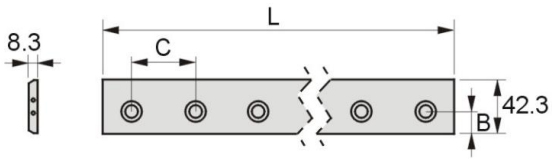


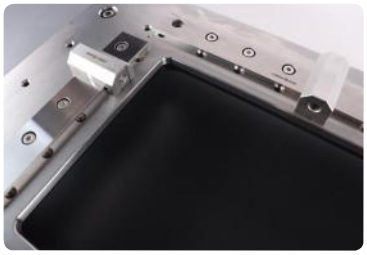
EWC Wire EDM Clamp System

53071 RED Reference Element

Features:

- **Reference elements for machines with zero-line table. The length (L), hole spacing (C) and hole edge spacing (B) of the hardened reference**





Unit:mm

Order No.	Model	L	C	B	N.W.
53071-100	RED-100	100	50	17	0.26kg
53071-145	RED-145	145	50	17	0.38kg
53071-245	RED-245	245	50	17	0.65kg
53071-345	RED-345	345	50	17	0.92kg
53071-445	RED-445	445	50	17	1.19kg

53071-A REDA

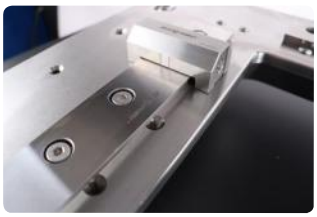
Reference element

- Universal 150 mm reference element with oval holes. Supplied with end stops.

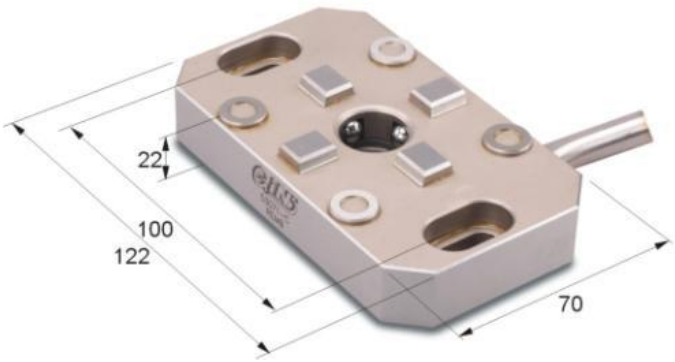
53071-B REDS

Reference stopper

- Can be moved steplessly along the entire reference element.



53071-C REMB Zero Point Macro chuck

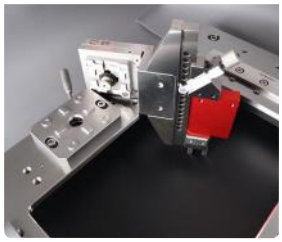


Features:

- Mechanical chuck for a direct fit to the Z=O base of the WEDM center.
- On WEDM centers with manual workpieceloading. Base for Clamping element ZERO POINT series or System 3R compatible
- To be fitted on machine table and Presetting equipment.
- Repeatability 0.002mm
- Max Load 1.5kg
- With a manually operated ball lock.
- Manual chuck with lever for LBMA/MB/MC.
- Built-in latch function

Macro chuck on worktable

With Zero Point series

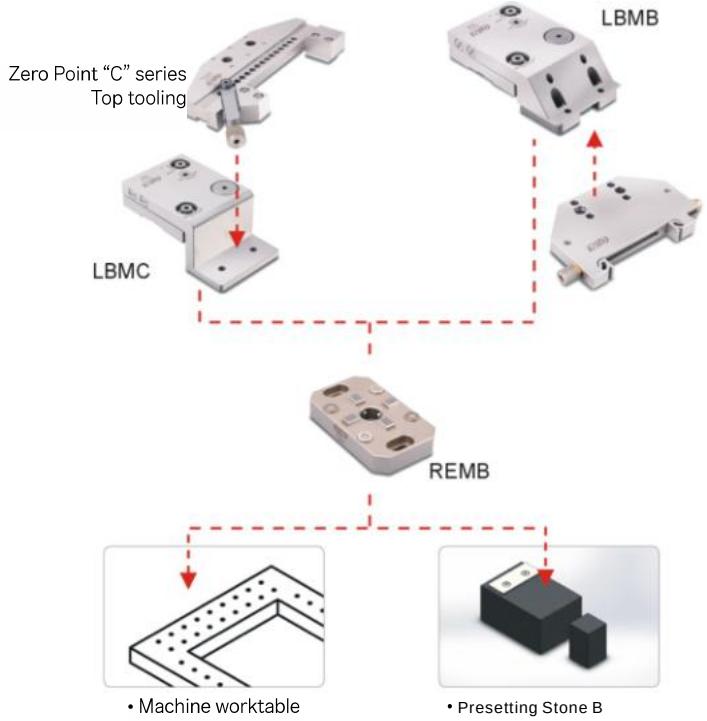


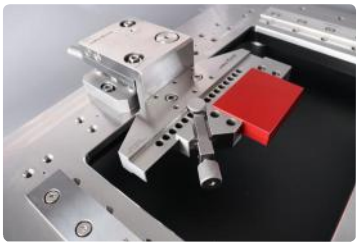
With System3R or Compatible

Application I Zero Point Clamping system

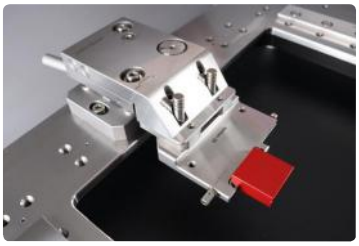
With Zero Point "C" series

With System3R or Compatible





• With Zero Point Series Top tooling

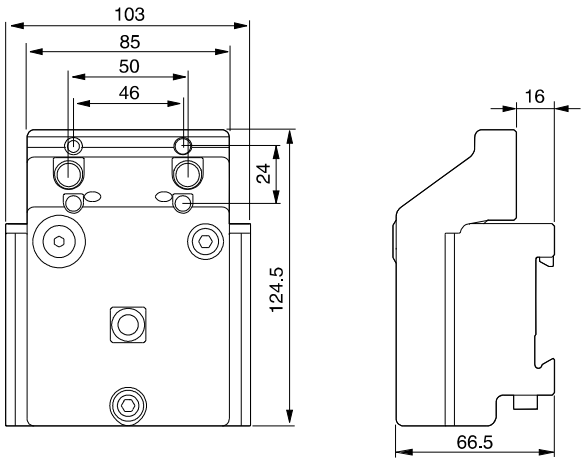


• System 3R compatible

Wire EDM Extensions Clamp

53072 LBDA Leveling Base

N.W. 3.1kg

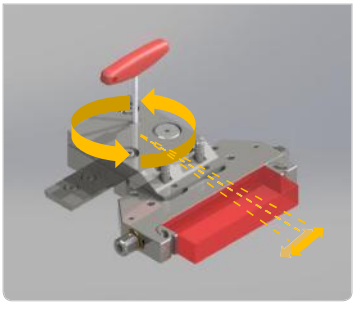


Features:

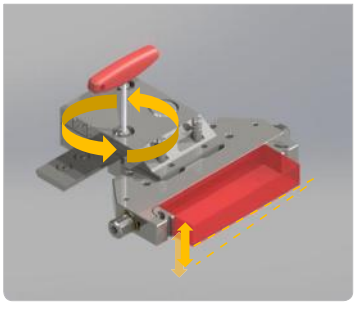
- Adopting stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Standard element for System3R and Compatible
- Base for Clamping element of system 3R Compatible
- To be fitted on System 3R compatible base.
- Parallelism: within 0.003mm/100mm
- Squareness: within 0.005mm/100mm
- Should be used in conjunction with a reference block

Example of Leveling base with fixture:

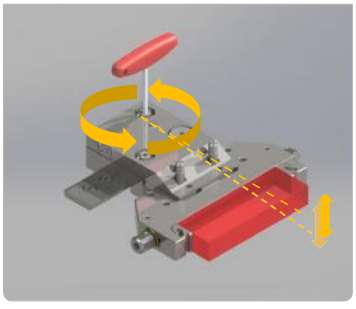
C axis - aligning



ZX axis - aligning



ZY axis - aligning

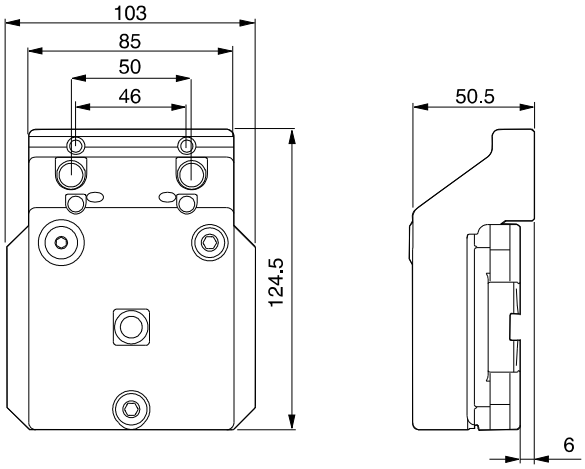


53073 LBMA Leveling Base

N.W. 2.8kg

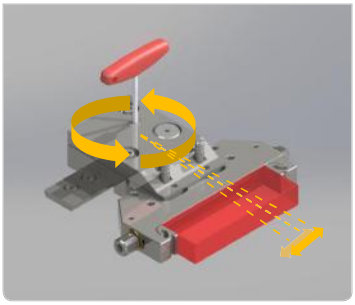
Features:

- Adopting stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Standard element for System3R and Compatible
- Base for Clamping element of system 3R Compatible
- To be fitted on System 3R compatible base.
- Parallelism: within 0.003mm/100mm
- Squareness: within 0.005mm/100mm
- Should be used in conjunction with a reference block

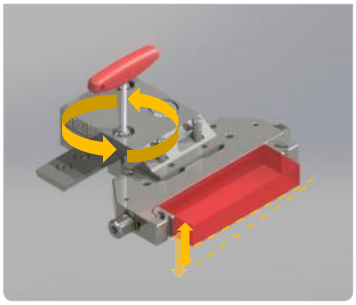


Example of Leveling base with fixture:

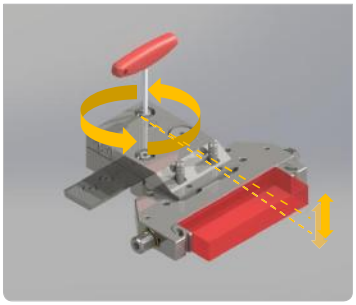
C axis - aligning



ZX axis - aligning

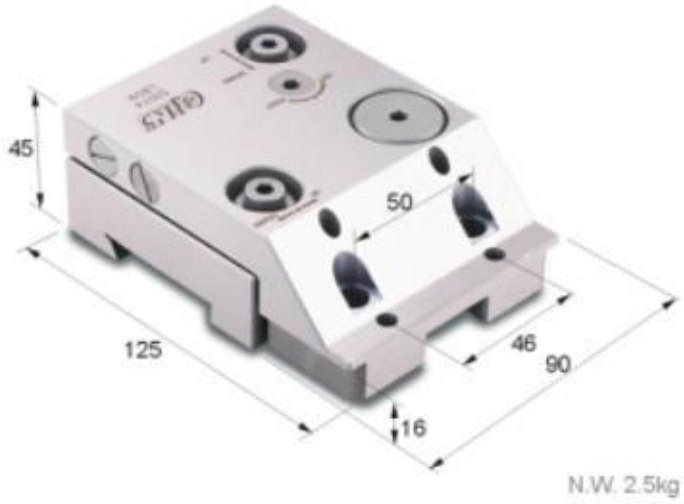


ZY axis - aligning



Wire EDM Extensions Clamp

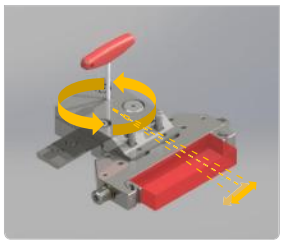
53074 LBDB Leveling Base



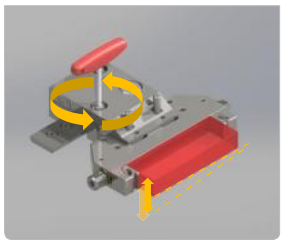
Features:

- **Standard element for System3R and Compatible**
- **Base for Clamping element of system 3R Compatible**
- **To be fitted on System 3R compatible base.**
- **Max. Load 10kg**
- **Adjustable in the ZX,ZY plane and C-axis by fine adjust screws.**

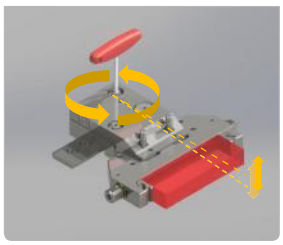
C axis - aligning



ZX axis - aligning



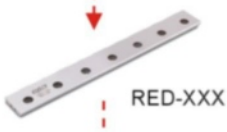
ZY axis - aligning

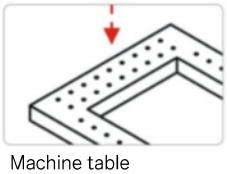


WIRE EDM

Application I For System3R or Compatible

• System3R Top tooling & Compatible

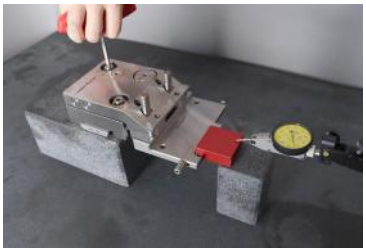




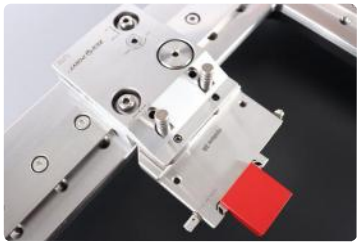
• Machine table

• ZP-026901 I Presetting Stone A

• Preset in three axes - Setup done in seconds



Presetting on Stone A

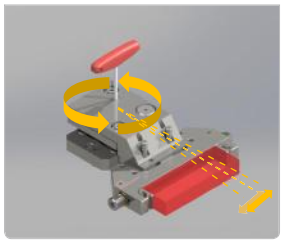
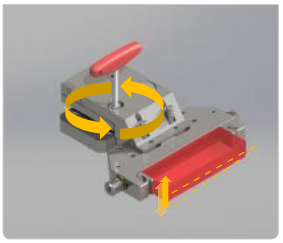
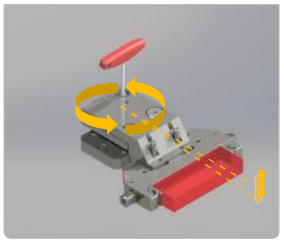


On Machine table

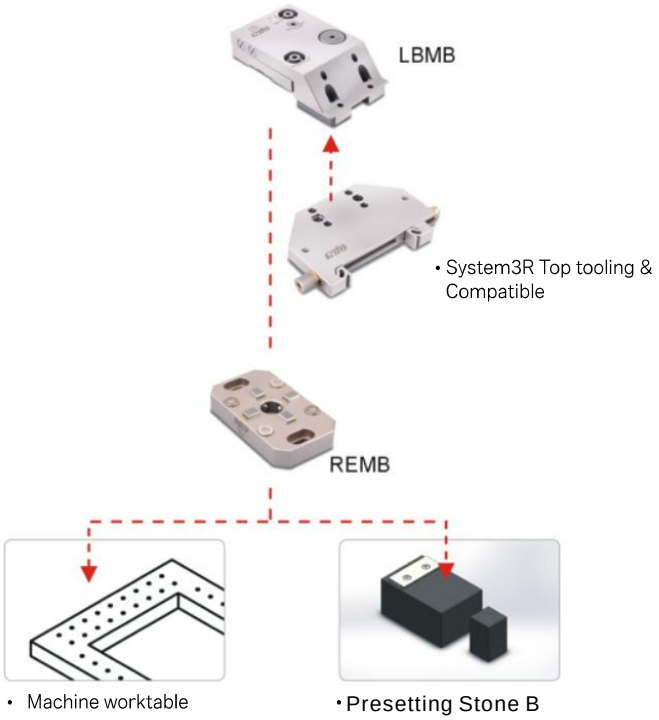
53075 LBMB Leveling Base

Features:

- **Standard element for System3R and Compatible**
- **Base for Clamping element of system 3R Compatible**
- **To be fitted on System 3R compatible base.**
- **Max. Load 10kg**
- **Adjustable in the ZX,ZY plane and C-axis by fine adjust screws.**

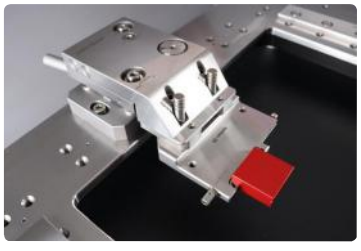
C axis - aligning	ZX axis - aligning	ZY axis - aligning
		

Application I For System3R or Compatible



• Preset in three axes - Setup done in seconds

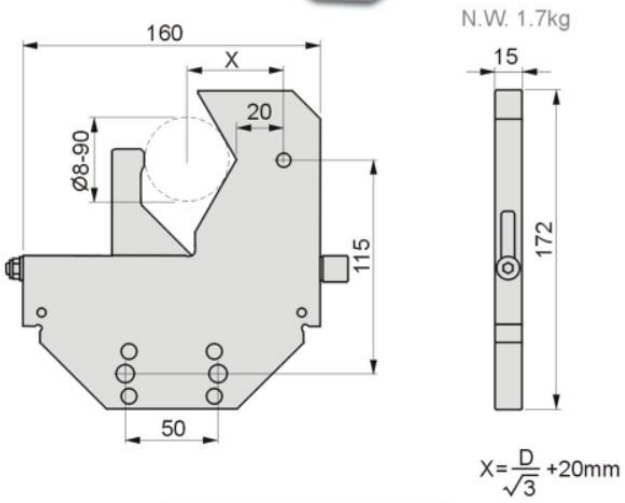
Presetting on Stone B



On Machine table

Wire EDM Extensions Clamp

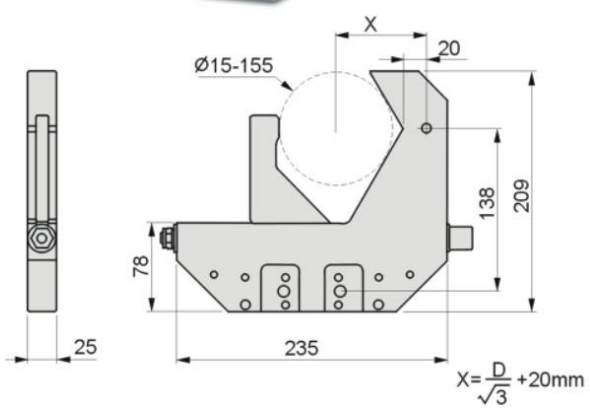
53076-01 WEA01 Precision Wire-Cut Vise



Features:

- Fit with levelling base LBDA/DB/MA/MB.
- Hole pattern (c-c 50mm) enables direct fitting to table.
- Tightening torque 8 Nm
- Recommended Max. workpiece weight 7 kg

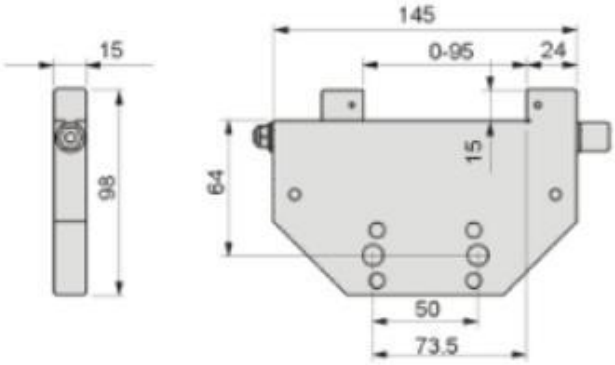
53076-02 WEA02



Features:

- Fit with levelling base LBDA/DB/MA/MB.
- Hole pattern (c-c 50mm) enables direct fitting to table.
- Tightening torque 8 Nm
- Recommended Max. workpiece weight 12 kg

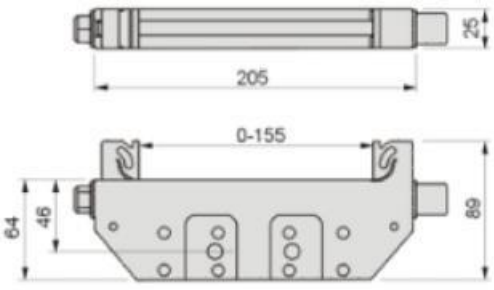
53076-03 WEA03 Precision Wire-Cut Vise



Features:

- Fit with levelling base LBDA/DB/MA/MB.
- Hole pattern (c-c 50mm) enables direct fitting to table.
- Tightening torque 7 Nm

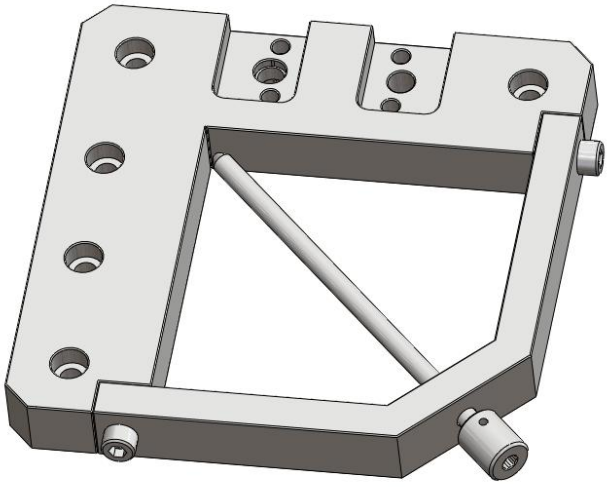
53076-04 WEA04



Features:

- Fit with levelling base LBDA/DB/MA/MB.
- Hole pattern (c-c 50mm) enables direct fitting to table.
- Tightening torque 15 Nm

53076-05 WEA05 Wire EDM Extensions Clamp

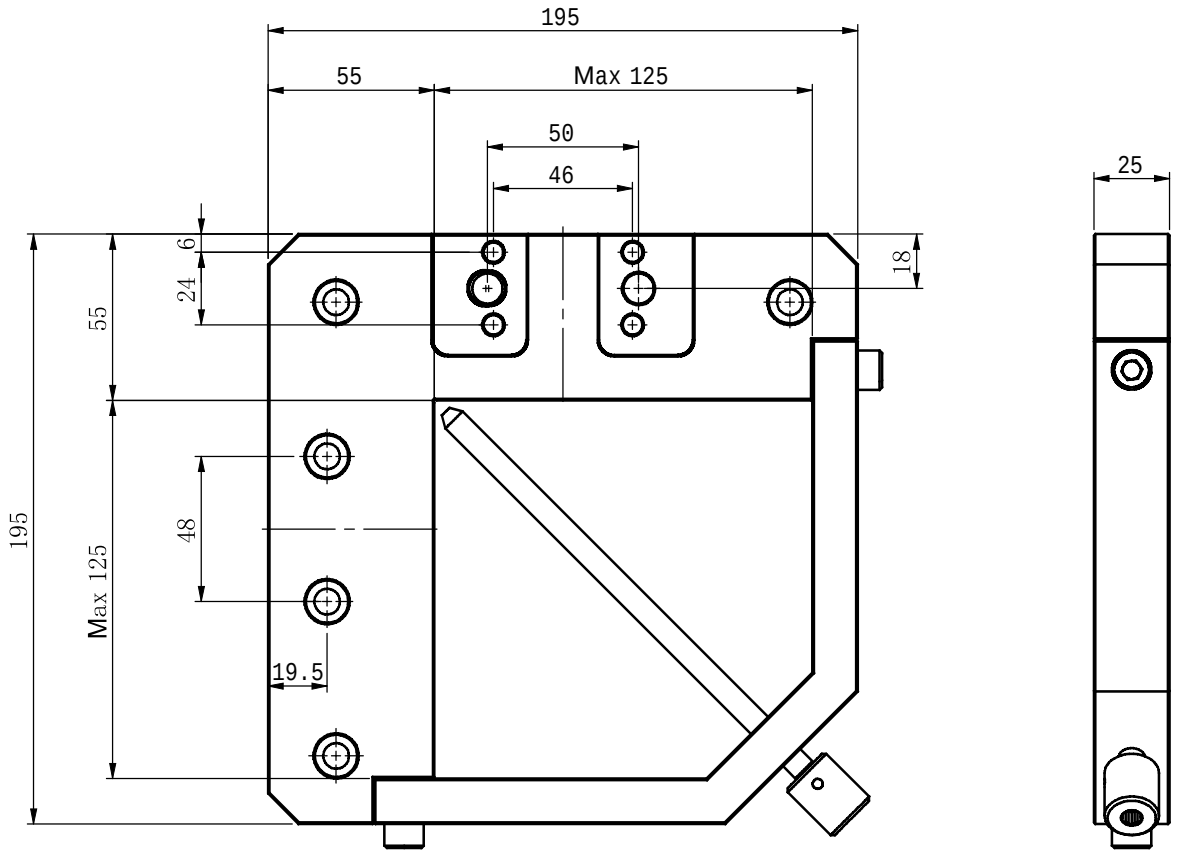


N.W.4.0kg

Features:

- Adopting stainless steel with Sub-zero Treatment after Vacuum Heat Treatment, stable and distortion free.
- Based on the type of WEDM machines and workpiece applied, it can make various combinations.
- Clamping range: Ø4~125mm

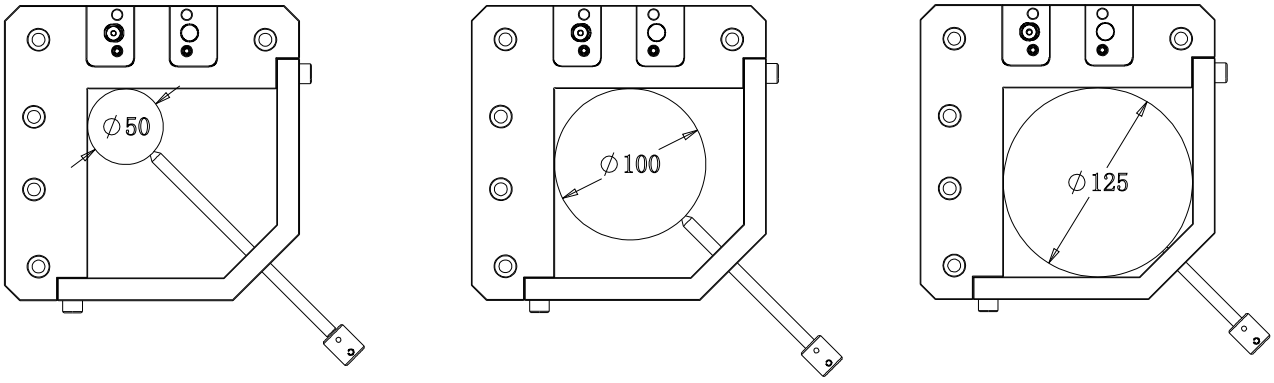
Material	SUS440
Hardness	HRC50°-55°
Parallelism	within 0.003mm/100mm
Squareness	within 0.005mm/100mm



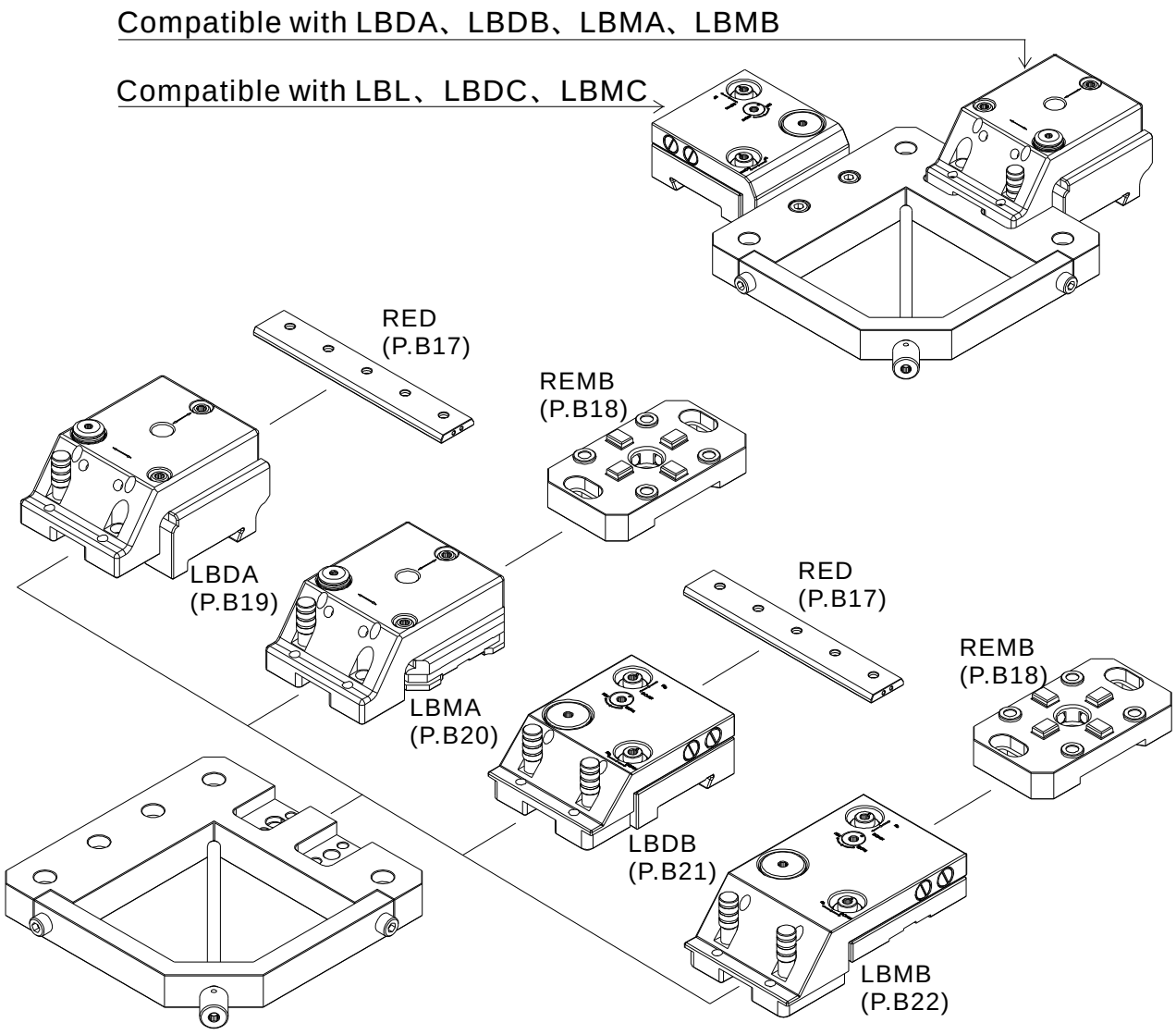
Wire EDM Extensions Clamp

Overview WEA05 application

Clamping range Demo: (3 screws)



▶ 應用 ： Zero Point Clamping system

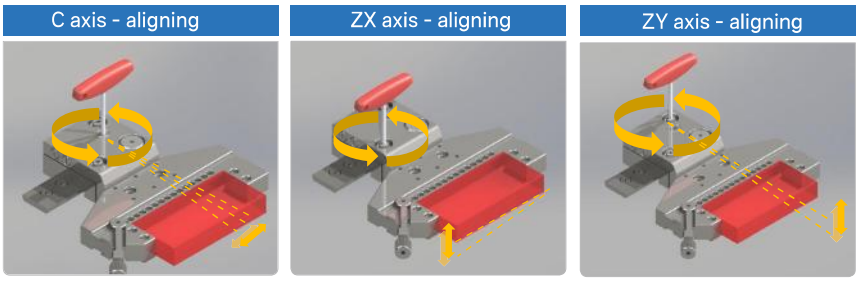


Wire EDM Extensions Clamp

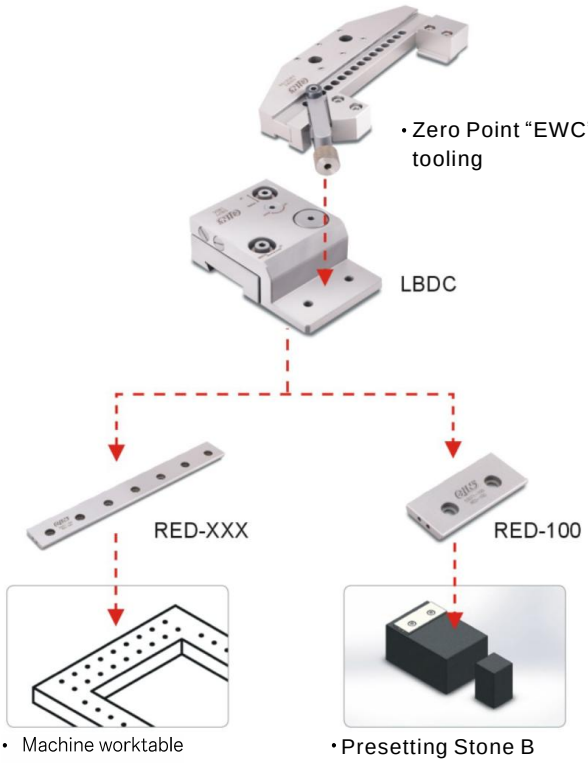
53077 LBDC Leveling Base

Features:

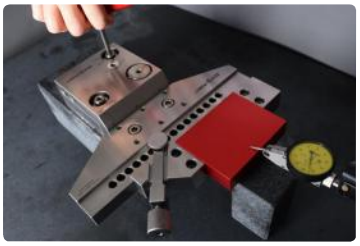
- Standard element for EWC-series
- Base for Clamping element of EWC-series
- To be fitted Machine table
- Max. Load 10kg
- Adjustable in the ZX,ZY plane and C-axis by fine adjust screws.



Application | For Zero Point "EWC"series



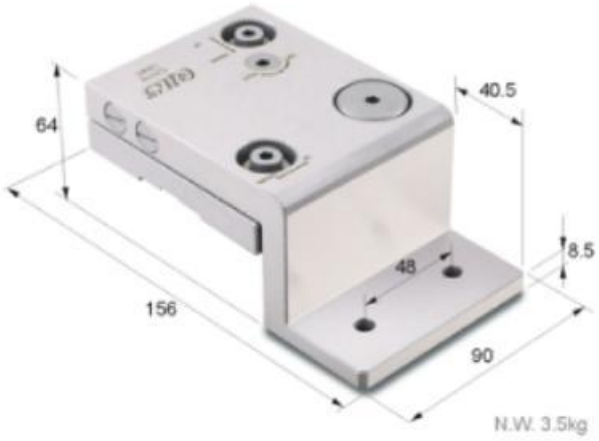
• Preset in three axes - Setup done in seconds



Presetting on Stone A

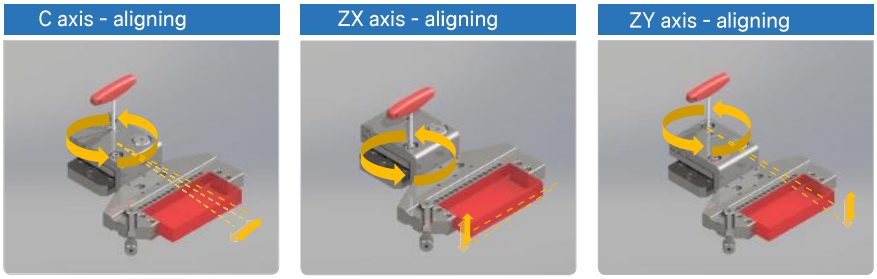
On Machine table

53078 LBMC Leveling Base



Features:

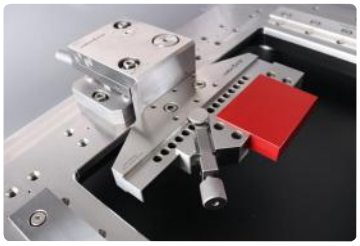
- Standard element for EWC-series
- Base for Clamping element of EWC-series
- To be fitted Machine table
- Max. Load 10kg
- Adjustable in the ZX,ZY plane and C-axis by fine adjust screws.



Application | For Zero Point "EWC"series

• Preset in three axes - Setup done in seconds

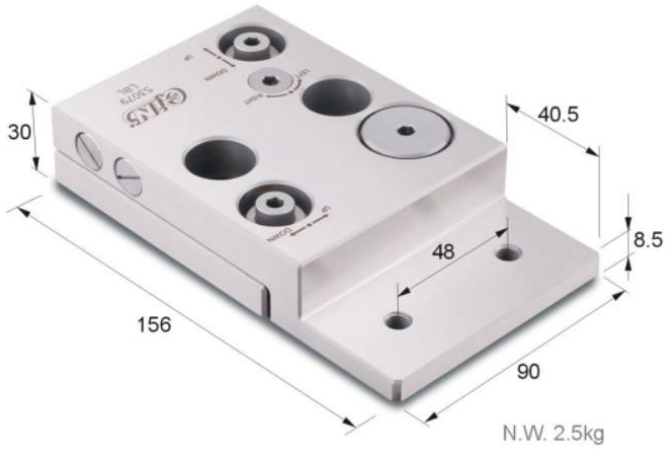
Presetting on Stone B



On Machine table

Wire EDM Extensions Clamp

53079 LBL Leveling Base

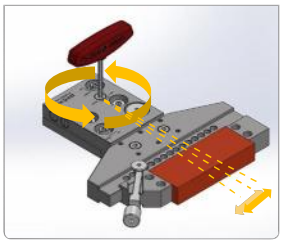


N.W. 2.5kg

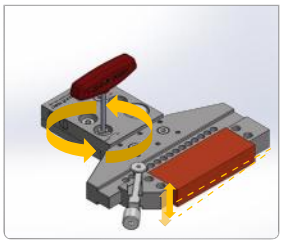
Features:

- Standard element for EWC-series
- Base for Clamping element of EWC-series
- To be fitted to Machine table
- Max. Load 10kg
- Adjustable in the ZX,ZY plane and C-axis by fine adjust screws.

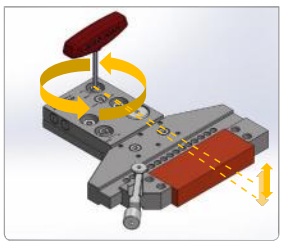
C axis - aligning



ZX axis - aligning



ZY axis - aligning

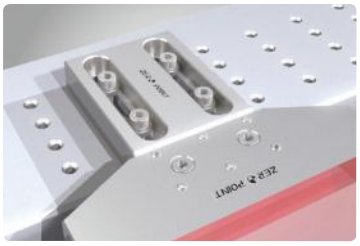


53080 EWC155 Fix Base

N.W. 1.8kg

Features:

- Standard element for EWC-series
- Base for Clamping element of EWC-series
- To be fitted to Machine table
- Max. Load 20kg

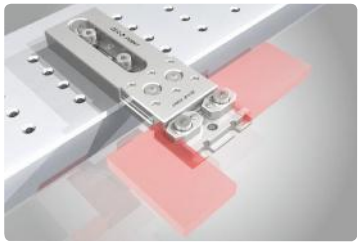


53081 EWC180 Fix Base & Clamp

Features:

- Standard element for EWC-series.Clamps workpieces in up-down direction.
- Base for Clamping element of EWC-series. Use one, two or four unit of clamping unit, can clamp from small to medium workpiece. Bottom level of workpiece Z=0 or +5mm.
- To be fitted to Machine table.
- Max. Load 10kg.

N.W. 2.5kg

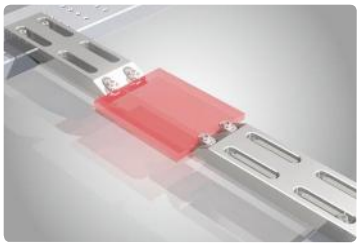


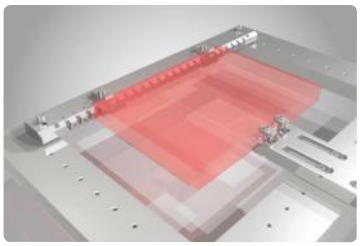
Wire EDM Extensions Clamp

53082 EWC300 Wire EDM Extension Clamp

Features:

- Standard element for EWC-series.Clamps workpieces in up-down direction.
- Use one, two or four unit of clamping unit, can clamp from small to medium workpiece. Bottom level of workpiece Z=0 or +5mm.
- To be fitted to Machine table.
- Max. Load 10kg.

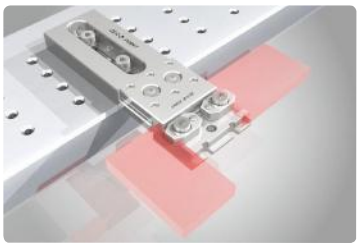




53083 EWCC90 Leveling Clamp

Features:

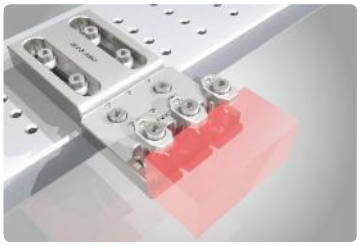
- Standard element with clips for one-sided attachment to workpieces.
- Bottom level of workpiece Z=0 or +5mm.
- To be fitted to the fix base B.
- Range: 70x70x50mm
- Max. Load 4kg.
- Adjustable in the ZX and ZY plane using six pieces of screws.

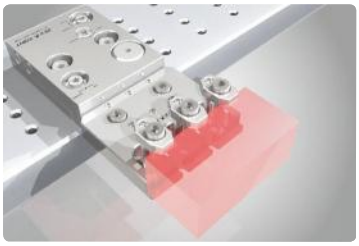


53084 EWCC100 Leveling Clamp

Features:

- Clamping element with clips for one-sided attachment to workpieces
- Clamp workpiece in down direction. Bottom level of workpiece: Z=+5mm
- To be fitted to the fix base C or Leveling base 3D
- Range: 120×120×70mm
- Max. Load 5kg
- With Fix base; Adjustable in the ZX and ZY plane using six pieces of screws.
- With Leveling Base: Adjustable in the ZX,ZY plane and C-axis by adjust screws on Leveling Base 3D.

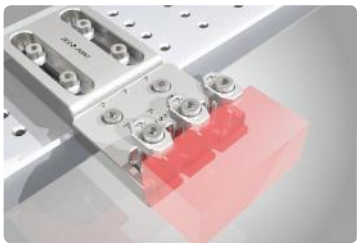


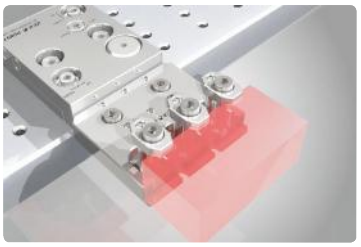


53085 EWCC120 Leveling Clamp

Features:

- Clamping element with clips for one-sided attachment to workpieces
- Clamp workpiece in down direction. Bottom level of workpiece : Z=0 or +5mm
- To be fitted to the fix base C or Leveling base 3D
- Range: 150×150×100mm
- Max. Load 10kg
- With Fix base; Adjustable in the ZX and ZY plane using six pieces of screws.
- With Leveling Base: Adjustable in the ZX,ZY plane and C-axis by adjust screws on Leveling Base 3D.



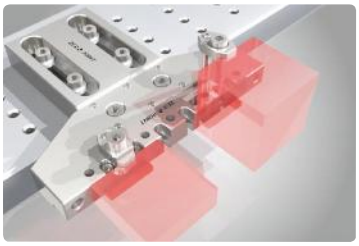


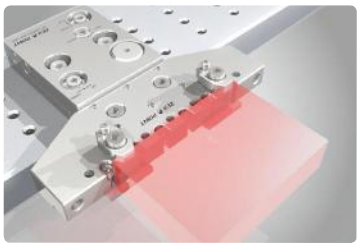
Wire EDM Extensions Clamp

53086 EWCC200 Leveling Clamp

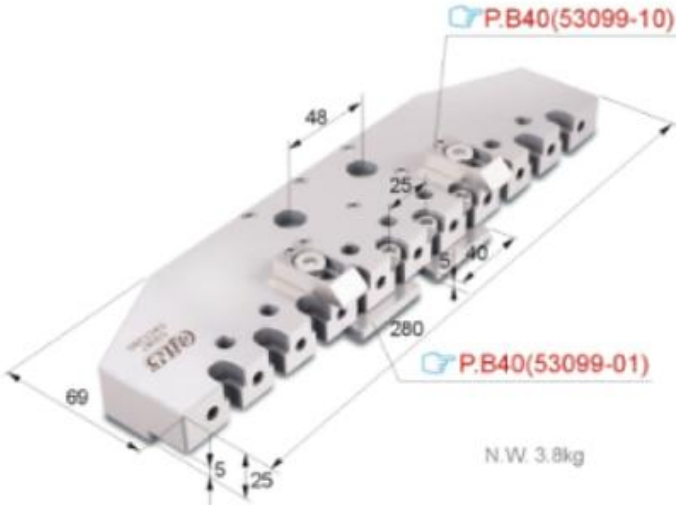
Features:

- Clamping element with clips for one-sided attachment to workpieces. Clamp workpiece in down direction.
- Bottom level of workpiece: Z=0 or +5mm
- To be fitted to the fix base C or Leveling base 3D
- Range: 200×150×100mm
- Max. Load 10kg
- With Fix base; Adjustable in the ZX and ZY plane using six pieces of screws.
- With Leveling Base: Adjustable in the ZX,ZY plane and C-axis by adjust screws on Leveling Base 3D.



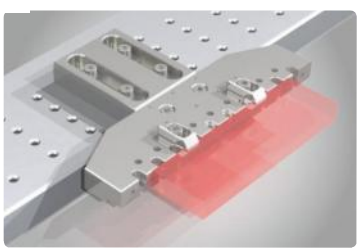


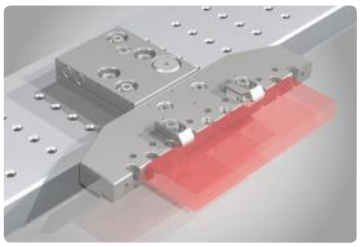
53087 EWCC280 Leveling Clamp



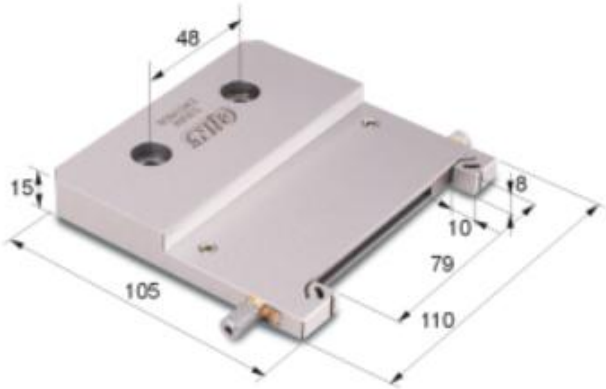
Features:

- Clamping element with clips for one-sided attachment to workpieces. Clamp workpiece in down direction.
- Bottom level of workpiece : Z=0 or +5mm
- To be fitted to the fix base C or Leveling base 3D
- Range: 280×150×100mm
- Max. Load 10kg
- Beam vise single clamping elements.





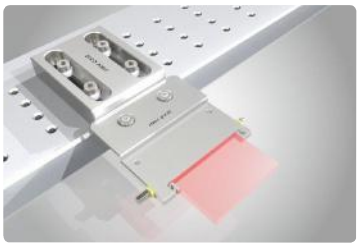
53088 EWCV808 Wire EDM Vise

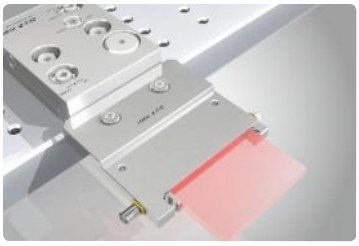


N.W. 0.7kg

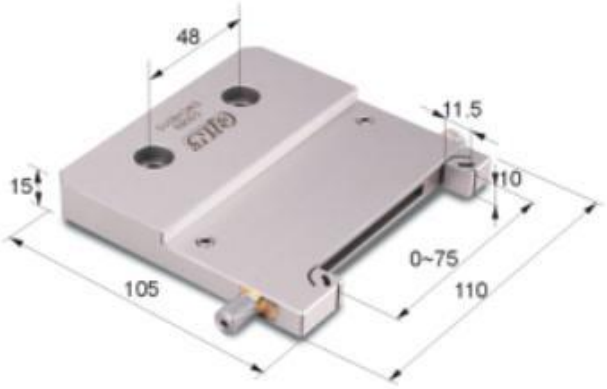
Features:

- One movable and one fixed jaw, ground and corrosion-resistant.
- Lateral clamping of workpieces of 0~79mm machined from the outside.
- To be fitted to the Leveling base 3D
- Range: 0~79mm
- Max. Load 1kg
- Adjustable in the ZX,ZY plane and C-axis by adjust screws.
- on the Leveling Base 3D, Maximum tightening torque: 4Nm





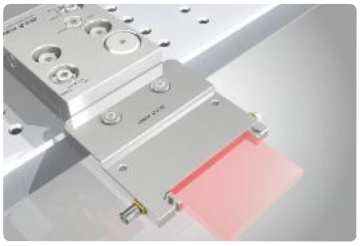
53089 EWCV8010 Wire EDM Vise



N.W. 0.8kg

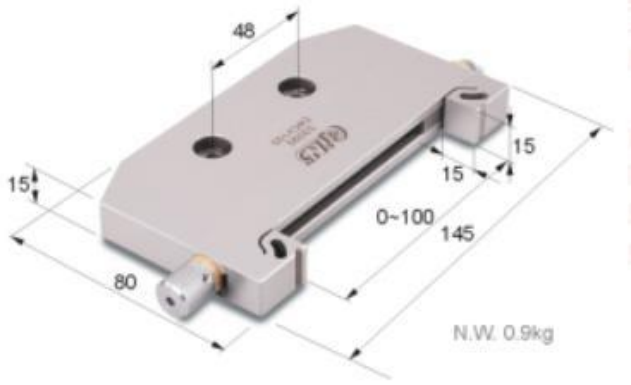
Features:

- One movable and one fixed jaw, ground and corrosion-resistant.
- Lateral clamping of workpieces of 0-75mm machined from the outside.
- To be fitted to the Leveling base 3D
- Range: 0~75mm
- Max. Load 2kg
- Adjustable in the ZX,ZY plane and C-axis by adjust screws.
- on the Leveling Base 3D, Maximum tightening torque: 4Nm



Wire EDM Extensions Clamp

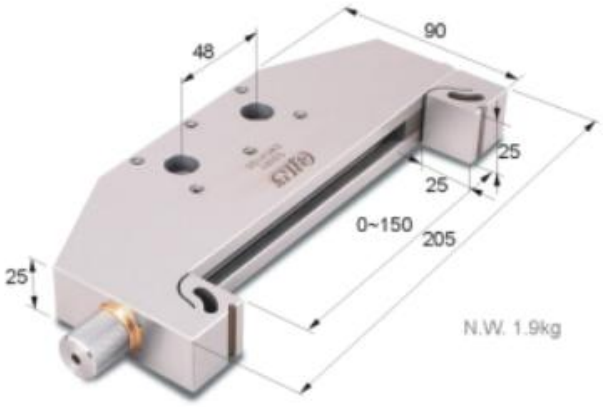
53090 EWCV100 Wire EDM Vise



Features:

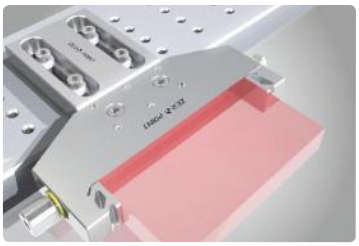
- One movable and one fixed jaw, ground and corrosion-resistant.
- Lateral clamping of workpieces of 0-100mm machined from the outside.
- To be fitted to the Leveling base 3D.
- Range: 0~100mm
- Max. Load 3kg
- Adjustable in the ZX,ZY plane and C-axis by adjust screws.
- on the Leveling Base 3D.Maximum tightening torque: 7Nm

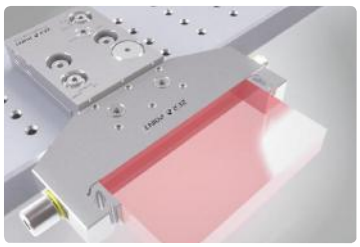
53091 EWCV150 Leveling Wire EDM Vise



Features:

- One movable and one fixed jaw, ground and corrosion-resistant.
- Lateral clamping of workpieces of 0-150mm machined from the outside.
- To be fitted to the fix base C or Leveling base 3D.
- Range: 0~150mm
- Max. Load 10kg
- With Fix base; Adjustable in the ZX and ZY plane using six pieces of screws.
- With Leveling Base: Adjustable in the ZX,ZY plane and C-axis by adjust screws on Leveling Base 3D. Maximum tightening torque: 15Nm

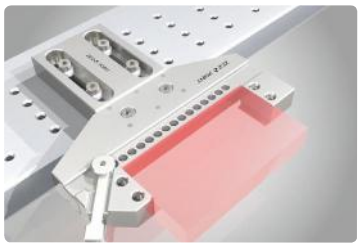


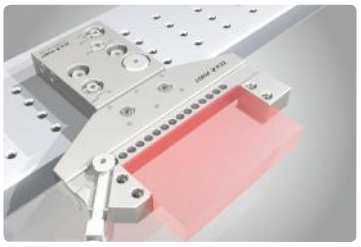


53092 EWCE150 Leveling Wire EDM Vise

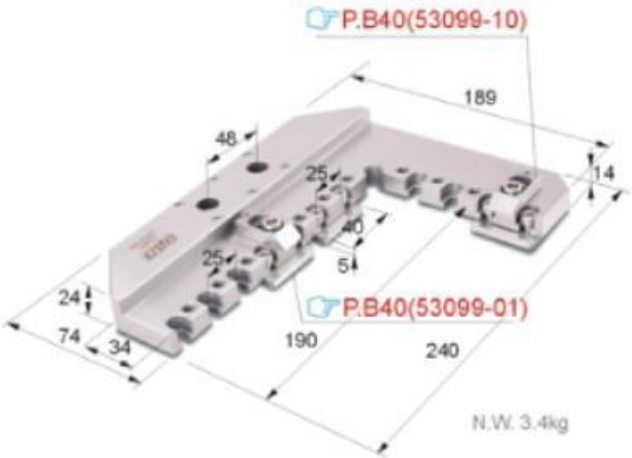
Features:

- One movable and one fixed jaw, ground and corrosion-resistant.
- Lateral clamping of workpieces of 0-150mm machined from the outside.
- To be fitted to the Fix base C or Leveling base 3D.
- Range: 0~150mm
- Max. Load 10kg
- With Fix base; Adjustable in the ZX and ZY plane using six pieces of screws.
  With Leveling Base: Adjustable in the ZX,ZY plane and C-axis by adjust screws on Leveling Base 3D.
  Maximum tightening torque : 10Nm



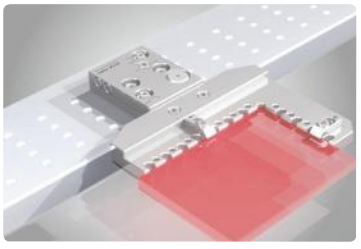


53093 EWCE190 Leveling Wire EDM Vise



Features:

- Universal holder for collision-free clamping of rectangular and cylindrical workpieces.
- Bottom level of workpiece:Z=0 or +5mm
- To be fitted to the fix base C or Leveling base 3D.
- Range: 200X125X100mm, Ø200mm
- Max. Load 10kg
- With Fix base; Adjustable in the ZX and ZY plane using six pieces of screws.
  With Leveling Base: Adjustable in the ZX,ZY plane and C-axis by adjust screws on Leveling Base 3D.

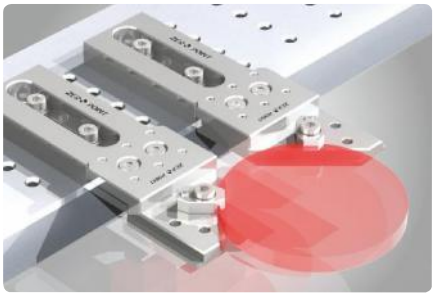


Wire EDM Extensions Clamp

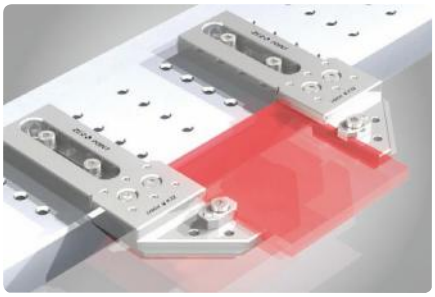
53094-01 EWC45R Leveling Clamp

Features:

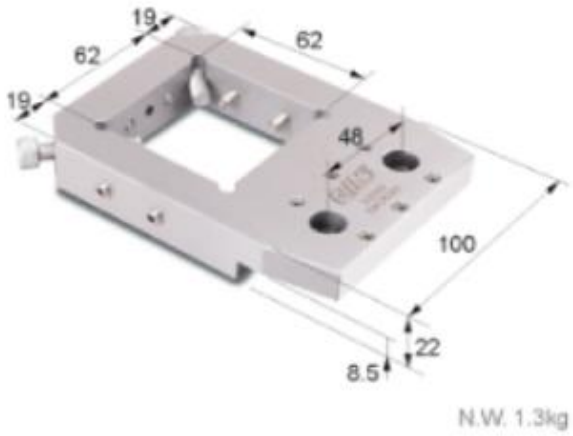
- Clamping element with clips for one-sided attachment to workpieces.
- Bottom level of workpiece: Z=0 or+5mm Usually, it is used in combination with XXX
- To be fitted to the fix base B.
- Max. Load 4kg
- Adjustable in the ZX and ZY plane using six pieces of screws.



53094-02 EWC45L



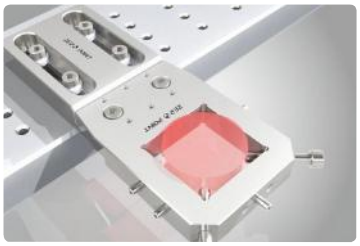
53095 EWCR060 Leveling Clamp

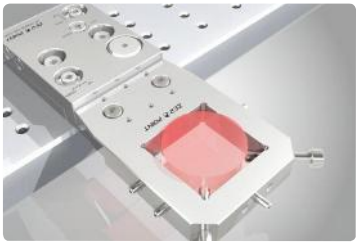


N.W. 1.3kg

Features:

- Clamp for round and cubic workpieces of up to 60mm
- To be fitted to the Fix base C or Leveling base 3D.
- Range: Ø60mm or 60×60mm
- Max. Load 5kg
- With Fix base; Adjustable in the ZX and ZY plane using six pieces of screws.
- With Leveling Base: Adjustable in the ZX,ZY plane and C-axis by adjust screws on Leveling Base 3D.



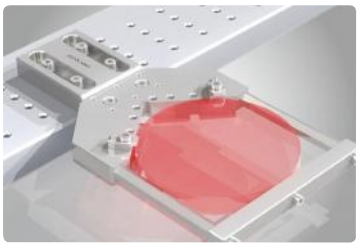


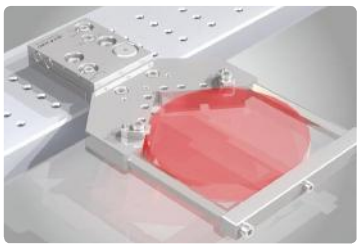
53096 EWCR170 Leveling Clamp

N.W. 3.5kg

Features:

- Prism and clamping bars with detachable Z-supports.
- To clamp cylindrical workpieces of up to Ø170mm
- To be fitted to the fix base C or Leveling base 3D.
- Range: Ø170mm
- Max. Load 10kg
- With Fix base; Adjustable in the ZX and ZY plane using six pieces of screws.
- With Leveling Base: Adjustable in the ZX,ZY plane and C-axis by adjust screws on Leveling Base 3D.





Wire EDM Extensions Clamp

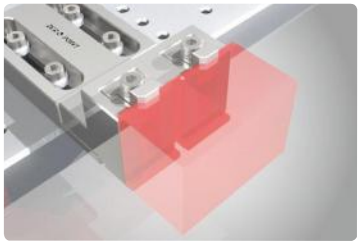
53097-01 EWCH55 Leveling Clamp

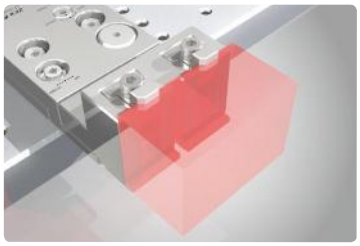
P.B40(53099-17)

N.W. 1.5kg

Features:

- Vise with detachable Z-supports and jaws fitted from above.
- To clamp workpieces of up to 65mm in height.
- To be fitted to the Leveling base 3D.
- Range: 150×150×65mm
- Max. Load 10kg
- Adjustable in the ZX,ZY plane and C-axis by adjust screws. on the Leveling Base 3D.





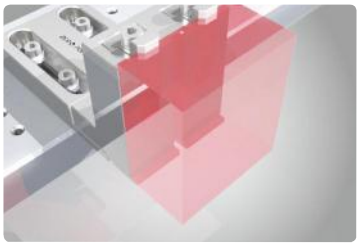
53097-02 EWCH95 Leveling Clamp

P.B40(53099-17)

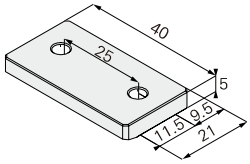
N.W. 1.9kg

Features:

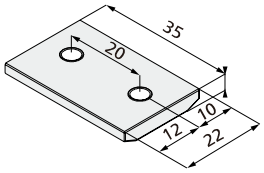
- Vise with detachable Z-supports and jaws fitted from above.
- To clamp workpieces from 45mm to 120mm in height.
- To be fitted to the Leveling base 3D.
- Range: 150×150×120mm
- Max. Load 10kg
- Adjustable in the ZX,ZY plane and C-axis by adjust screws. on the Leveling Base 3D.



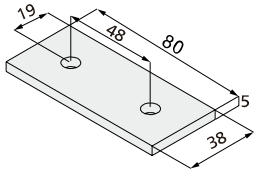
53099-01 EW41



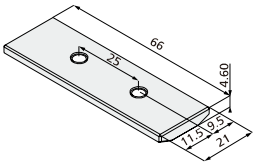
53099-02 EW42



53099-03 EW43



53099-04 EW44



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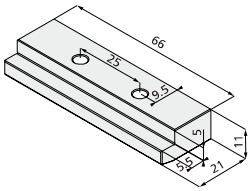

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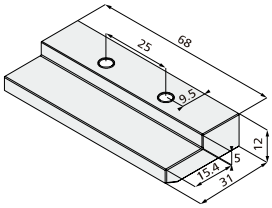

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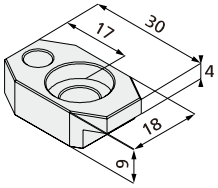

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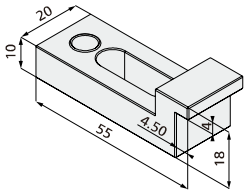
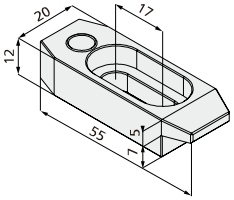
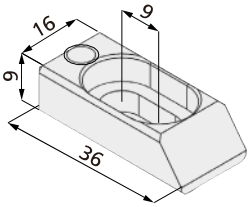


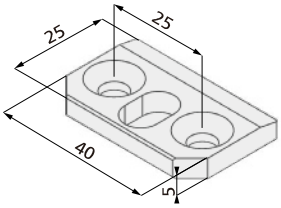
53099-09 EW55



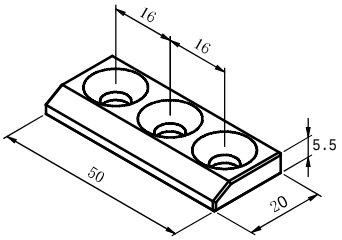
53099-10 EW56



53099-11 EW57



53099-12 EW61



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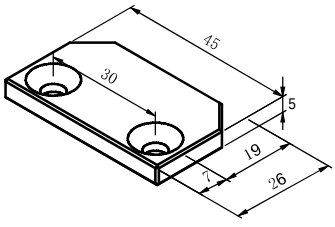

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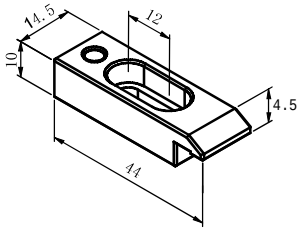

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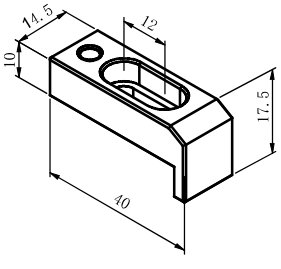

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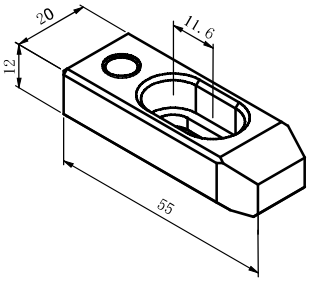
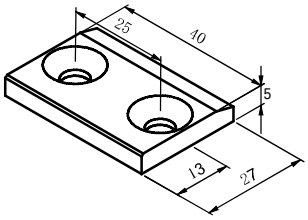
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