

SINCO Product Catalog

Flexible zero-point clamping systems
& workholding

[Explore key products that make SINCO clamping solutions stand out](#)

Reliable and global partner for clamping & workholding technology

SINCO's commitment to Innovation

With over 50 years of heritage in the Mold & Die industry, SINCO develops innovative clamping solutions designed for flexible and efficient work-piece handling. Built on deep process knowledge, these solutions address the demands of modern machining environments where precision, adaptability, and reliability are essential.

Since 1973, SINCO has continuously transformed its expertise in manufacturing processes into a diverse and internationally patented portfolio of clamping solutions. Today, the company offers a comprehensive product program that supports optimized workflows, increased efficiency, and consistent precision across a wide range of applications.



Engineering-Driven Innovation



Deep Manufacturing Know-How



Strong Partner Network

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Experience faster set-up times, unmatched precision & productivity

Where flexibility in workholding is a must

The zero-point clamping system MultiZero significantly reduces setup times, improves precision, and increases productivity through standardized machining processes.

Besides that, the MultiZero Clamping system, with its unique structure, introduces workholding flexibility and modularity. It is engineered and designed for industries that demand adaptability and efficiency in workpiece handling, where dealing with unique parts or small batches is an everyday occurrence.

What to expect from MultiZero Clamping System

The MultiZero Clamping System might not change your life, but it will certainly change your everyday work. Experience seemingless clamping flexibility and machining process productivity & standardization increase.



Clamp any workpiece

Adapt to any workpiece effortlessly with our modular zero-point clamping system, no matter the size or shape.



Less set-up, more machining time

Every minute counts, reduce spindle down-time up to 80%, run machines longer, and drive higher profits with zero-point precision.



Effortless Accuracy with Less Skilled Labor

Standardized clamping process, ensures repeatable accuracy, fewer errors, and reduces the need for skilled labor.

One Standard for Your Entire Production

By establishing a unified clamping standard, MultiZero connects all stages of production from setup and machining to measuring and re-fixturing. Workpieces remain in a consistent position, setups transfer without adjustment, and processes become predictable and repeatable. The result is a stable workflow where standardization reduces variability and enables efficient, controlled production.



Standardization

MultiZero uses a defined grid and interface to standardize the positioning of all clamping elements. This enables consistent setup structures across different machines and applications. As a result, setups can be prepared, documented, and reused without modification, reducing complexity in programming and operation.



Repeatability

A fixed zero-point reference ensures accurate repositioning of workpieces. Once clamped, the position can be reproduced without additional alignment or indication. This minimizes positioning errors and ensures consistent results across multiple setups and machining stages.



Efficiency

The system enables off-machine setup and quick changeovers. While machining is in progress, new workpieces can be prepared externally. This reduces machine idle time and improves utilization without introducing additional setup complexity.



Process Connectivity

MultiZero maintains a common reference between different operations. Workpieces can be transferred between machines or processes without redefining the setup. This reduces alignment effort and prevents errors caused by re-referencing.



System Scalability

The modular design allows the system to be expanded or reconfigured as production requirements change. The same interface can be used for different workpiece sizes, batch quantities, and levels of automation, without requiring changes to the underlying clamping concept.

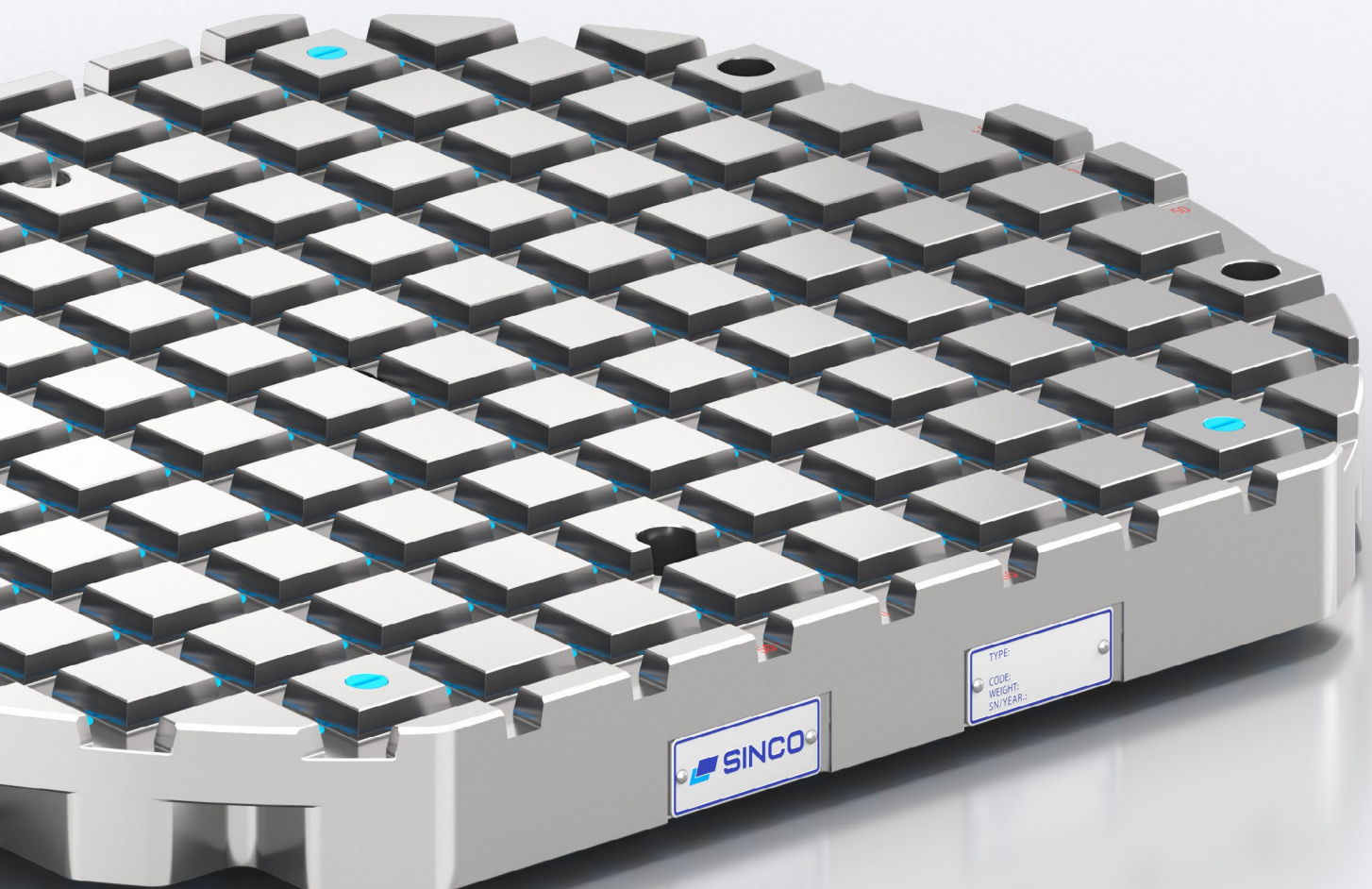


Digital Integration

MultiZero enables clamping strategies to be defined in CAD and transferred directly to CAM and machining. Setups prepared digitally can be executed without manual adjustment, reducing setup time and improving process reliability.

MultiZero Base Plate

The MultiZero Base Plate forms the foundation of precise, flexible workholding. Made from high-quality tool steel, it delivers reliable zero-point positioning and seamless integration of all MultiZero components. Its structured grid enables highly repeatable setups and full freedom in positioning across the machine table. Workholding elements are quickly secured, while existing equipment can be easily integrated, ensuring maximum flexibility without compromise.

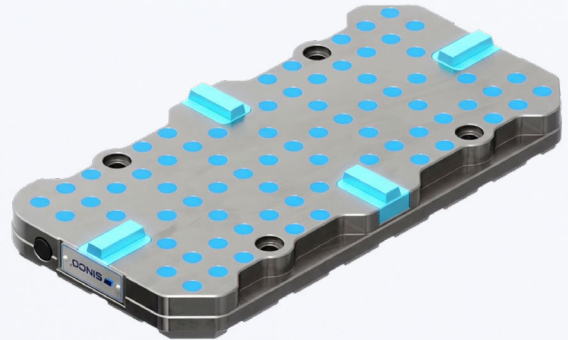


Positioning and clamping on MultiZero Base Plate

MultiZero positioning rails are integrated under every vise, pallet, riser, and support element. Clamping is performed using M12 screws, with quantity depending on the workholding type. A repeatability of 5 μm is achieved through zero-point locking between the conical slots and four positioning rails.

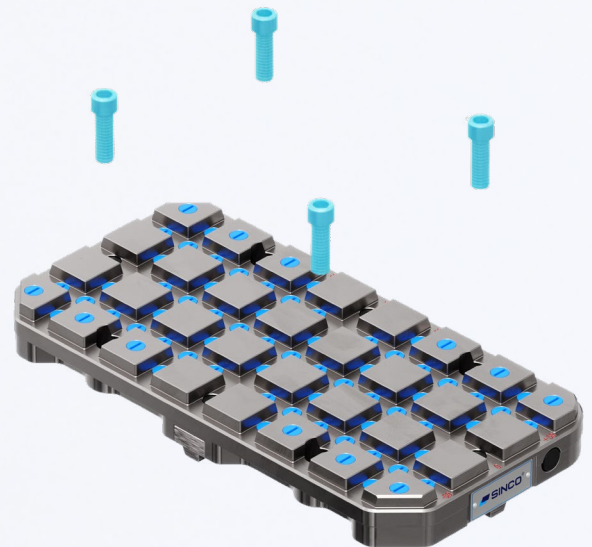
MultiZero conical positioning rails

Positioning rails are integrated under every MultiZero workholding component to ensure precise alignment within the conical slot array of the MultiZero Base Plate.



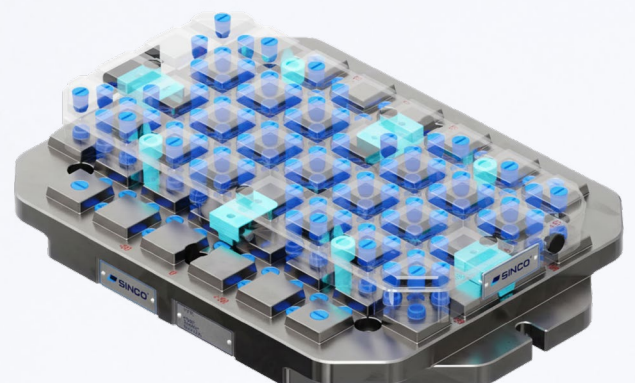
Clamping with M12 screw

MultiZero workholding devices are secured using M12 screws that engage directly with the base plate's threaded holes. Prior to mounting, protective caps must be removed from the threads.



5 μm repeatable positioning

The unique conical positioning design ensures zero-gap contact between the positioning rails and the conical slot array, providing highly rigid and precise form-fit positioning.



MultiZero Workholding Portfolio

Where flexibility in workholding is a must

Workholding plays an essential role in the machining processes of manufacturing companies worldwide. Precise clamping technology, combined with efficient and sustainable production processes, is key to achieving the highest productivity & quality standards. Discover SINCO product portfolio and learn about countless clamping options for your application.



MultiZero Modular Vises

The MultiZero Modular Vise System provides flexible, repeatable clamping on the base plate for various workpiece sizes and shapes, with simple CAD/CAM planning. Modular components enable quick setup and precise, secure clamping.



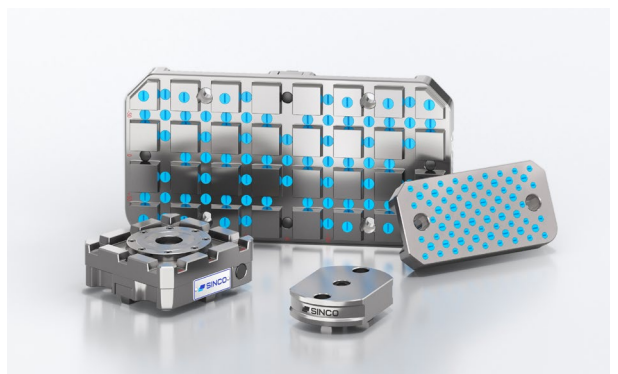
MultiZero Risers

The MultiZero Riser W80 enables precise, repeatable clamping for 5-axis machining and standardized workholding. It elevates workpieces for full access and stable positioning, with a modular system for various sizes and geometries.



MultiZero Support Elements

MultiZero Support Elements improve stability, reduce vibration, and ensure precise positioning. Their modular design supports large and complex workpieces and enables reliable positioning and centering.



MultiZero Pallets

MultiZero Pallets enable seamless workpiece transfer with high repeatability. They allow off-machine clamping, maintain zero-point positioning across operations, and support fast repositioning to boost productivity.



MultiZero Base Plates

"LEGO-like" zero-point foundation for modular clamping





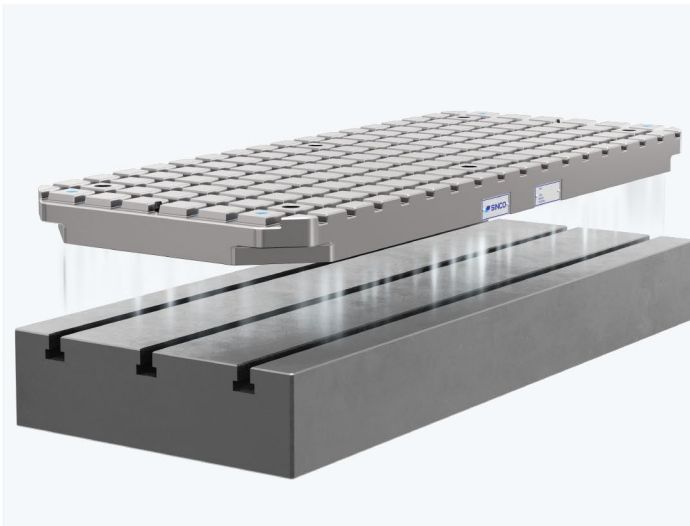
MultiZero Base Plates

The MultiZero Base Plate is the foundation of the system, enabling precise, self-centered zero-point clamping via an array of conical slots. With 50 or 100 mm spacing, it allows flexible setup and expansion for demanding applications. Made from durable corrosion resistant tool steel, it suits 3, 4 and 5-axis milling machines, EDM, and measuring systems.



Benefits and Advantages

Utilize zero-point clamping across the whole machine table, and seamlessly adjust and expand workholding set-up through precise conical system



Maximum table coverage

Simple installation transforms whole table into a zero-point system

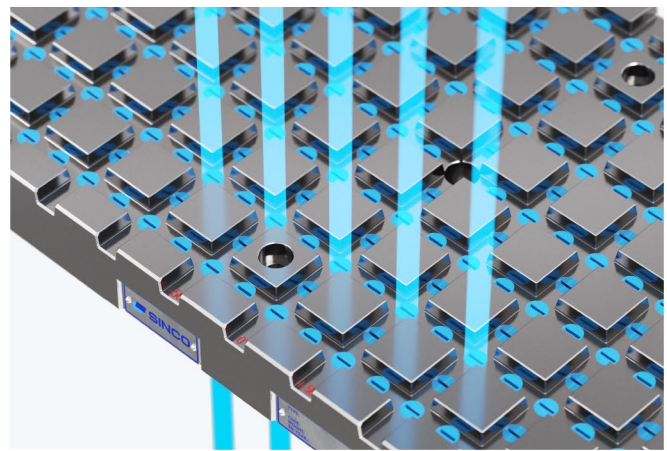
MultiZero Base Plates are manufactured according to DIN 55201 and come in various standard sizes that can be mounted to the machine table either through T-slots or by adjusting clamps on the left and right flanges. If a customer wants to cover the entire machine table (1:1), custom-sized base plates can be produced to match the exact table dimensions.



Zero-gap conical positioning

Ensures thermal stability, high repeatable positioning & reduction of vibration

All MultiZero fixtures and pallets are positioned on the base plate by aligning the slot rails beneath the element with the conical slot array on the base plate in the X and Y axes. Conical positioning allows for zero-gap locking of positional elements and the base plate, enabling excellent thermal stability, reducing vibration, and ensuring high positioning repeatability.



Zero-point on 50 or 100mm pitch

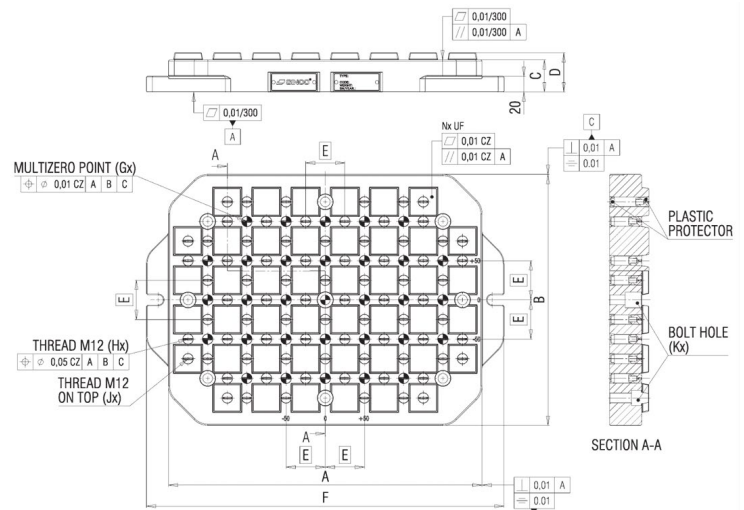
Offers maximum flexibility for workholding set-up expansion and adaptability

The MultiZero Base Plate has a zero-point reference at every cross-section of the conical slots, positioned at 50mm in the MultiZero Base Plate P50 line and 100mm in the P100 base plate line. Minimal spacing between positioning locations (cross-sections) enables seamless expansion and adaptability of the workholding setup, allowing clamping of workpieces of any shape and size in a zero-point fashion.

MultiZero Base Plate P50

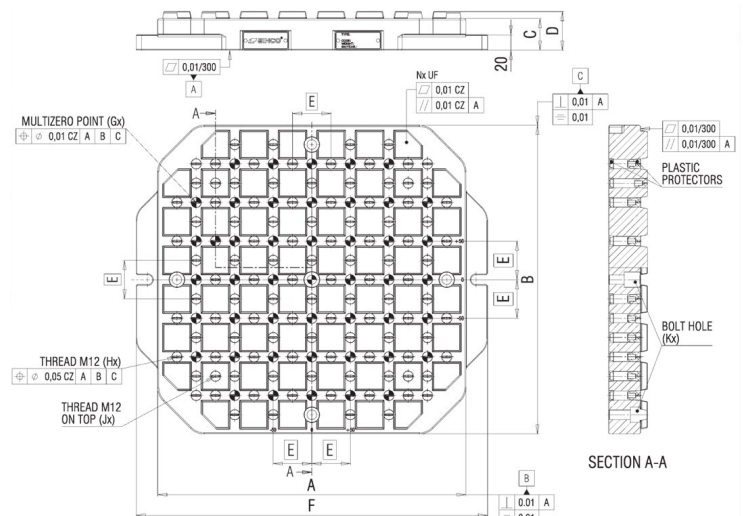
The MultiZero Base Plate P50, crafted from high-quality corrosion resistant tool steel, mounts onto the machine table as a foundation for securing workpieces with MultiZero workholding equipment. Its conical slots, arranged in a precise 50mm grid with zero-point references at each intersection, enable positioning with a repeatable accuracy of 5µm. This setup provides maximum flexibility in zero-point clamping, accommodating a wide range of workholding elements and allowing for seamless expansion across the entire machine table. Mounting of the workholding elements is done by M12 screw. Existing workholding equipment can be secured on the MultiZero Base Plate either by using MultiZero Slots or by mounting the device onto a MultiZero Blank Pallet.

MultiZero Base Plate 3000 P50



Product	Product no.	Length (A)	Width (B)	Height (D)	Zero points	Thread holes	Weight (kg)
MultiZero Plate P50 3300 320x400	1B1-3300-0	400.0 mm	320.0 mm	50.0 mm	31x	101x	38.9 kg
MultiZero Plate P50 3400 400x500	1B1-3400-0	500.0 mm	400.0 mm	50.0 mm	59x	188x	61.2 kg
MultiZero Plate P50 3500 500x630	1B1-3500-0	630.0 mm	500.0 mm	50.0 mm	95x	302x	97.0 kg
MultiZero Plate P50 3555 500x1000	1B1-3550-0	1000.0 mm	500.0 mm	50.0 mm	167x	521x	151.83 kg
MultiZero Plate P50 3630 630x800	1B1-3630-0	800.0 mm	630.0 mm	50.0 mm	161x	500x	155.9 kg
MultiZero Plate P50 3650 630x1000	1B1-3650-0	1000.0 mm	630.0 mm	50.0 mm	205x	636x	195.3 kg
MultiZero Plate P50 3660 630x1200	1B1-3660-0	1200.0 mm	630.0 mm	50.0 mm	249x	773x	234.7 kg
MultiZero Plate P50 3670 630x1400	1B1-3670-0	1400.0 mm	630.0 mm	50.0 mm	293x	909x	274.2 kg

MultiZero Base Plate 5000 P50

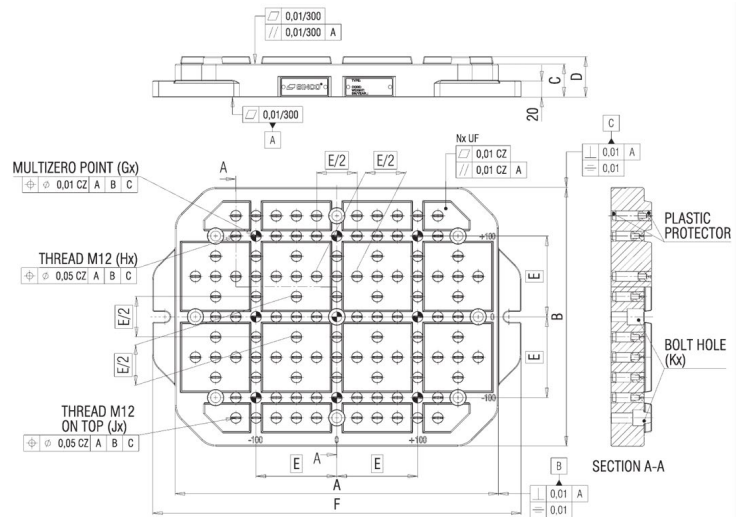


	Product no.	Length (A)	Width (B)	Height (D)	Zero points	Thread holes	Weight (kg)
MultiZero Plate P50 5300 240x240	1B1-5300-0	240.0 mm	240.0 mm	50.0 mm	21x	56x	17.8 kg
MultiZero Plate P50 5400 320x320	1B1-5400-0	320.0 mm	320.0 mm	50.0 mm	25x	80x	31.0 kg
MultiZero Plate P50 5500 400x400	1B1-5500-0	400.0 mm	400.0 mm	50.0 mm	45x	148x	48.8 kg
MultiZero Plate P50 5630 500x500	1B1-5630-0	500.0 mm	500.0 mm	50.0 mm	77x	140x	76.7 kg
MultiZero Plate P50 5800 630x630	1B1-5800-0	630.0 mm	630.0 mm	50.0 mm	117x	368x	122.7 kg

MultiZero Base Plate P100

The MultiZero Base Plate P100, crafted from high-quality corrosion resistant tool steel, mounts onto the machine table as a foundation for securing workpieces with MultiZero workholding equipment. Its conical slots, arranged in a precise 100mm grid with zero-point references at each intersection, enable positioning with a repeatable accuracy of 5µm. This setup provides maximum flexibility in zero-point clamping, accommodating a wide range of workholding elements and allowing for seamless expansion across the entire machine table. Mounting of the workholding elements is done by M12 screw. Existing workholding equipment can be secured on the MultiZero Base Plate either by using MultiZero Slots or by mounting the device onto a MultiZero Blank Pallet.

MultiZero Base Plate 3000 P100

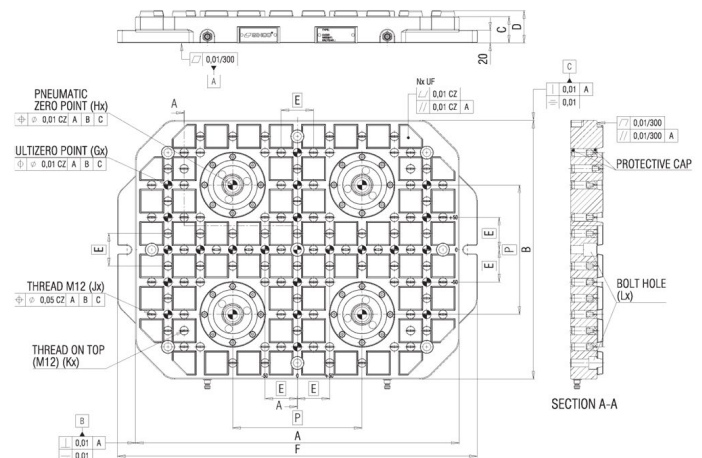
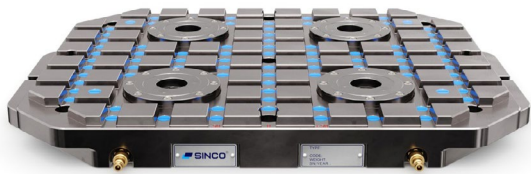


Product	Product no.	Length (A)	Width (B)	Height (D)	Zero points	Thread holes	Weight (kg)
MultiZero Plate P100 3310 320x400	1B1-3310-0	400.0 mm	320.0 mm	50.0 mm	9x	48x (Slot Bottom) / 74x (Plate Top)	39.9 kg
MultiZero Plate P100 3410 400x500	1B1-3410-0	500.0 mm	400.0 mm	50.0 mm	15x	104x (Slot Bottom) / 84x (Plate Top)	63.4 kg
MultiZero Plate P100 3510 500x630	1B1-3510-0	630.0 mm	500.0 mm	50.0 mm	25x	172x (Slot Bottom) / 128x (Plate Top)	100.4 kg
MultiZero Plate P100 3551 500x1000	1B1-3551-0	1000.0 mm	500.0 mm	50.0 mm	45x	272x (Slot Bottom) / 224x (Plate Top)	157.0 kg
MultiZero Plate P100 3631 630x800	1B1-3631-0	800.0 mm	630.0 mm	50.0 mm	35x	272x (Slot Bottom) / 224x (Plate Top)	161.7 kg
MultiZero Plate P100 3651 630x1000	1B1-3651-0	1000.0 mm	630.0 mm	50.0 mm	45x	640x (Slot Bottom) / 292x (Plate Top)	202.4 kg
MultiZero Plate P100 3661 630x1200	1B1-3661-0	1200.0 mm	630.0 mm	50.0 mm	55x	799x (Slot Bottom) / 352x (Plate Top)	243.3 kg
MultiZero Plate P100 3671 630x1400	1B1-3671-0	1400.0 mm	630.0 mm	50.0 mm	65x	933x (Slot Bottom) / 412x (Plate Top)	284.1 kg

MultiZero Pneumatic Base Plate

The MultiZero Pneumatic Base Plate features the same surface design as a standard MultiZero Base Plate, enhanced with pneumatic modules for automatic clamping. This dual functionality allows for the automatic clamping of workpieces while maintaining flexibility through the MultiZero conical slot system for use with modular workholding components. Application: The MultiZero Pneumatic Base Plate excels in batch production, where parts of varying quantities, shapes, and sizes require efficient clamping. For instance, parts can be quickly clamped in vises and mounted to the base plate using pneumatic modules for maximum productivity. For larger or more complex to hold workpieces unsuited for standard vises, the base plate supports flexible setups with MultiZero modular components like risers and modular vises. Additionally, it integrates seamlessly with automation systems. Whether in a fully automated cell or with a cobot, it offers flexibility for manual clamping when automation is not feasible, ensuring uninterrupted operations for diverse machining needs.

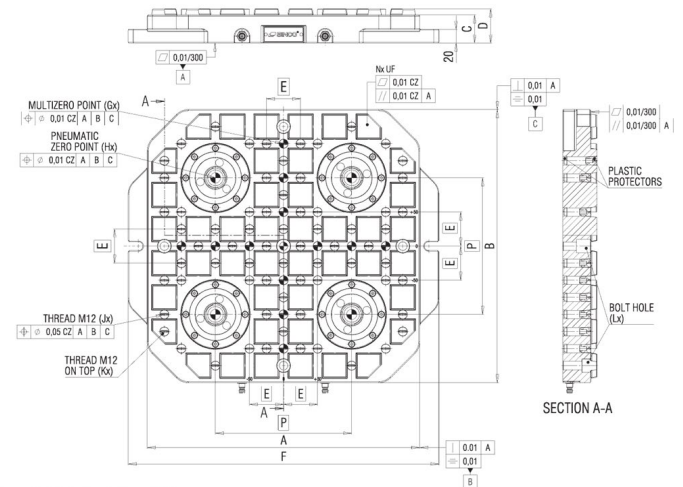
MultiZero Pneumatic Base Plate 3000



Example: MultiZero® Plate 3421

Product	Product no.	Length (A)	Width (B)	Height (D)	Zero points	Pneumatic modules	Weight (kg)
MultiZero Pneumatic Plate 3320 320x400	1B1-3320-0	400.0 mm	320.0 mm	50.0 mm	13x	2x	42.2 kg
MultiZero Pneumatic Plate 3321 320x400	1B1-3321-0	400.0 mm	320.0 mm	50.0 mm	22x	1x	40.1 kg
MultiZero Pneumatic Plate 3420 400x500	1B1-3420-0	500.0 mm	400.0 mm	50.0 mm	23x	4x	67.9 kg
MultiZero Pneumatic Plate 3421 400x500	1B1-3421-0	500.0 mm	400.0 mm	50.0 mm	41x	2x	64.5 kg
MultiZero Pneumatic Plate 3520 500x630	1B1-3520-0	630.0 mm	500.0 mm	50.0 mm	93x	6x	106.9 kg
MultiZero Pneumatic Plate 3521 500x630	1B1-3521-0	630.0 mm	500.0 mm	50.0 mm	77x	2x	101.1 kg
MultiZero Pneumatic Plate 3632 630x800	1B1-3632-0	800.0 mm	630.0 mm	50.0 mm	80x	9x	170.5 kg
MultiZero Pneumatic Plate 3633 630x800	1B1-3633-0	800.0 mm	630.0 mm	50.0 mm	89x	8x	169.0 kg
MultiZero Pneumatic Plate 3652 630x1000	1B1-3652-0	1000.0 mm	630.0 mm	50.0 mm	83x	12x	214.6 kg
MultiZero Pneumatic Plate 3653 630x1000	1B1-3653-0	1000.0 mm	630.0 mm	50.0 mm	133x	8x	208.0 kg

MultiZero Pneumatic Base Plate 5000

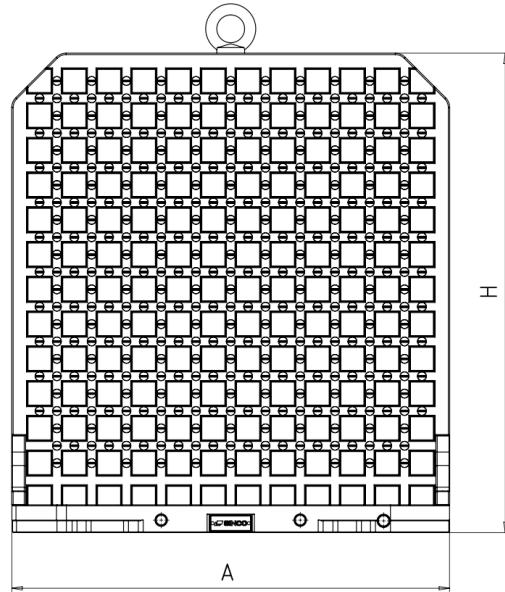
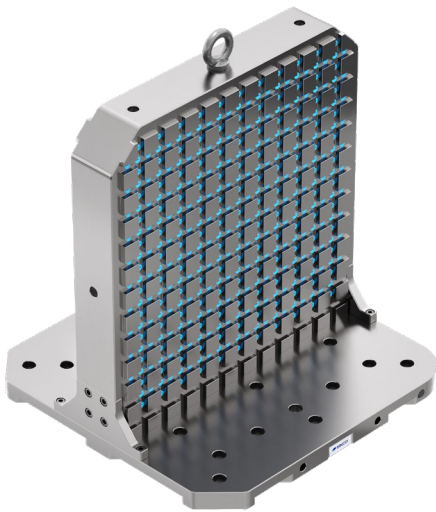


Product	Product no.	Length (A)	Width (B)	Height (D)	Zero points	Pneumatic modules	Weight (kg)
MultiZero Pneumatic Plate 5320 240x240	1B1-5320-0	240.0 mm	240.0 mm	50.0 mm	12x	1x	18.4 kg
MultiZero Pneumatic Plate 5420 320x320	1B1-5420-0	320.0 mm	320.0 mm	50.0 mm	16x	1x	31.5 kg
MultiZero Pneumatic Plate 5520 400x400	1B1-5520-0	400.0 mm	400.0 mm	50.0 mm	27x	2x	50.9 kg
MultiZero Pneumatic Plate 5521 400x400	1B1-5521-0	400.0 mm	400.0 mm	50.0 mm	27x	2x	49.8 kg
MultiZero Pneumatic Plate 5632 500x500	1B1-5632-0	500.0 mm	500.0 mm	50.0 mm	41x	4x	81.0 kg
MultiZero Pneumatic Plate 5633 500x500	1B1-5633-0	500.0 mm	500.0 mm	50.0 mm	59x	2x	79.9 kg
MultiZero Pneumatic Plate 5820 630x630	1B1-5820-0	630.0 mm	630.0 mm	50.0 mm	63x	6x	125.4 kg
MultiZero Pneumatic Plate 5821 630x630	1B1-5821-0	630.0 mm	630.0 mm	50.0 mm	99x	2x	123.5 kg

MultiZero Tombstones & Cubes

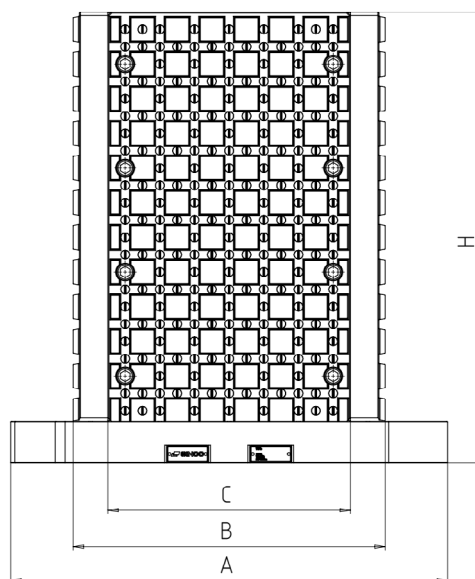
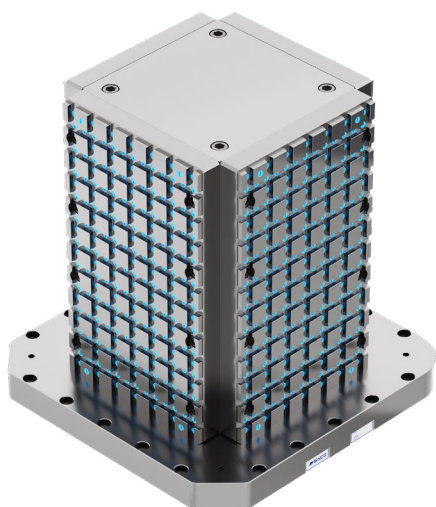
The MultiZero Tombstone & Cube portfolio includes three product types: MultiZero Double Tombstones, MultiZero 4-Sided Cubes, and MultiZero 5-Sided Cubes. The Double Tombstone features two horizontal MultiZero clamping surfaces, while the 4-Sided Cube provides four vertical MultiZero clamping faces. The 5-Sided Cube adds an additional MultiZero clamping surface on the top, enabling even greater machining accessibility. These solutions are ideal for horizontal machining centers as well as gantry-type machines. Thanks to a unique modular design, the tombstone and cube sides are connected internally with specially developed high-rigidity connectors rather than being machined from a single solid block. This design significantly reduces weight while maintaining excellent structural rigidity, allowing higher workpiece capacity and the possibility to fixture larger or heavier components.

MultiZero Tombstone



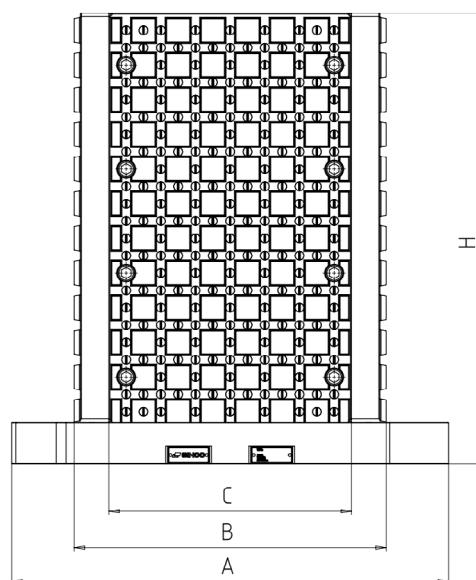
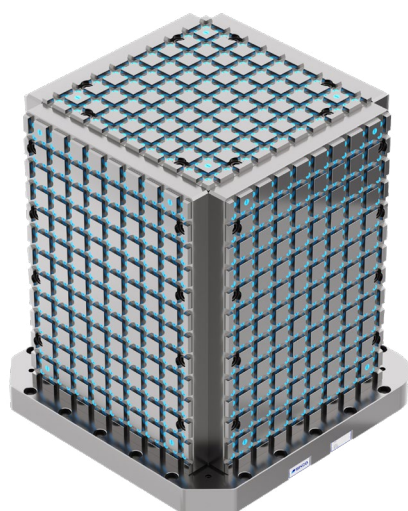
Product	Product no.	AxA (mm)	H (mm)
MultiZero Tombstone 400 H700	6B1-7005-0	400x400 mm	700.0 mm
MultiZero Tombstone 500 H700	6B1-7055-0	500x500 mm	700.0 mm
MultiZero Tombstone 630 H700	6B1-7105-0	630x630 mm	700.0 mm
MultiZero Tombstone 400 H1000	6B1-7155-0	400x400 mm	1000.0 mm
MultiZero Tombstone 500 H1000	6B1-7205-0	500x500 mm	1000.0 mm
MultiZero Tombstone 630 H1000	6B1-7255-0	630x630 mm	1000.0 mm

MultiZero 4-Sided Cube



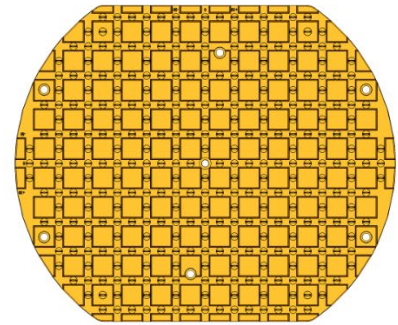
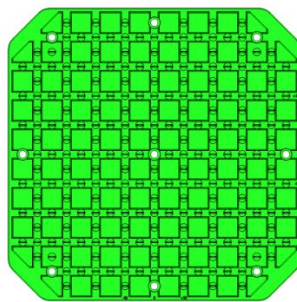
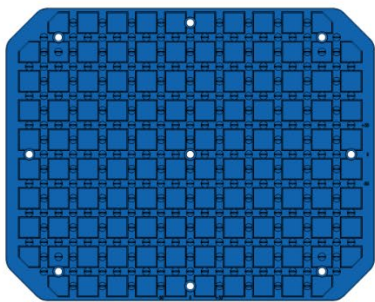
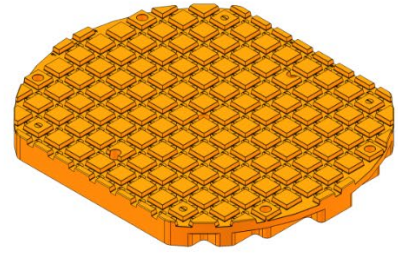
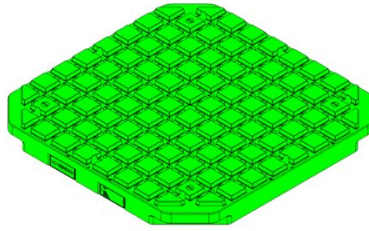
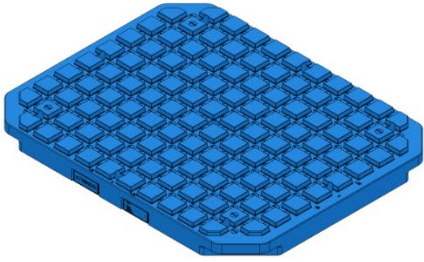
Product	Product no.	AxA (mm)	H (mm)	B (mm)	C (mm)	Zero points	M12 Thread holes
MultiZero 4-Sided Cube 400 H600	6B1-7505-0	400x400 mm	600.0 mm	300.0 mm	200.0 mm	176x	429x
MultiZero 4-Sided Cube 500 H600	6B1-7555-0	500x500 mm	600.0 mm	400.0 mm	300.0 mm	246x	644x
MultiZero 4-Sided Cube 630 H600	6B1-7605-0	630x630 mm	600.0 mm	500.0 mm	400.0 mm	352x	859x
MultiZero 4-Sided Cube 400 H800	6B1-7655-0	400x400 mm	800.0 mm	300.0 mm	200.0 mm	240x	588x
MultiZero 4-Sided Cube 500 H800	6B1-7705-0	500x500 mm	800.0 mm	400.0 mm	300.0 mm	360x	883x
MultiZero 4-Sided Cube 630 H800	6B1-7755-0	630x630 mm	800.0 mm	500.0 mm	400.0 mm	480x	1177x

MultiZero 5-Sided Cube



Product	Product no.	AxA (mm)	H (mm)	B (mm)	C (mm)	Zero points	M12 Thread holes
MultiZero 5-Sided Cube 400 H200	6B1-7805-0	400x400 mm	200.0 mm	300.0 mm	200.0 mm	64x	151x
MultiZero 5-Sided Cube 400 H300	6B1-7855-0	400x400 mm	300.0 mm	300.0 mm	200.0 mm	96x	231x
MultiZero 5-Sided Cube 500 H300	6B1-7905-0	500x500 mm	300.0 mm	400.0 mm	300.0 mm	156x	376x
MultiZero 5-Sided Cube 500 H400	6B1-7955-0	500x500 mm	400.0 mm	400.0 mm	300.0 mm	204x	495x
MultiZero 5-Sided Cube 630 H400	6B1-8005-0	630x630 mm	400.0 mm	500.0 mm	400.0 mm	288x	700x
MultiZero 5-Sided Cube 630 H500	6B1-8055-0	630x630 mm	500.0 mm	500.0 mm	400.0 mm	352x	859x
MultiZero 5-Sided Cube 800 H400	6B1-8105-0	800x800 mm	400.0 mm	650.0 mm	550.0 mm	429x	1044x
MultiZero 5-Sided Cube 800 H500	6B1-8155-0	800x800 mm	500.0 mm	650.0 mm	550.0 mm	517x	1263x

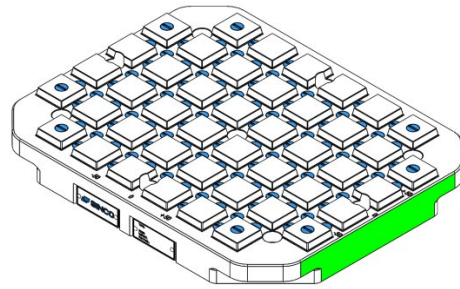
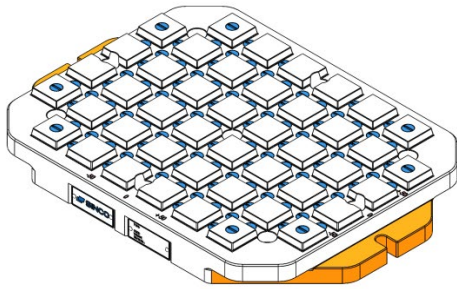
MultiZero Base Plates / Structural Overview



SERIES 3000

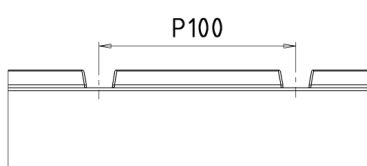
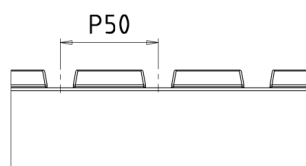
SERIES 5000

CUSTOM

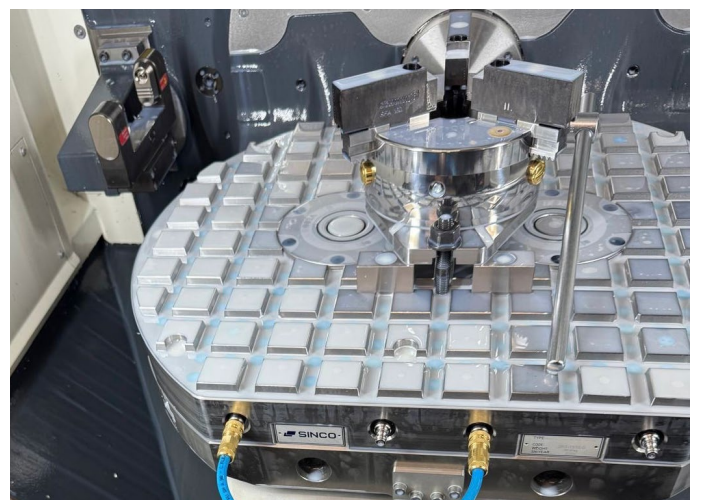
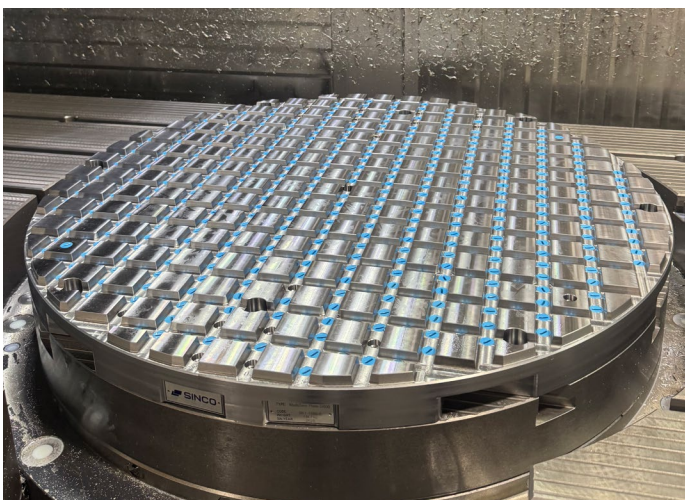
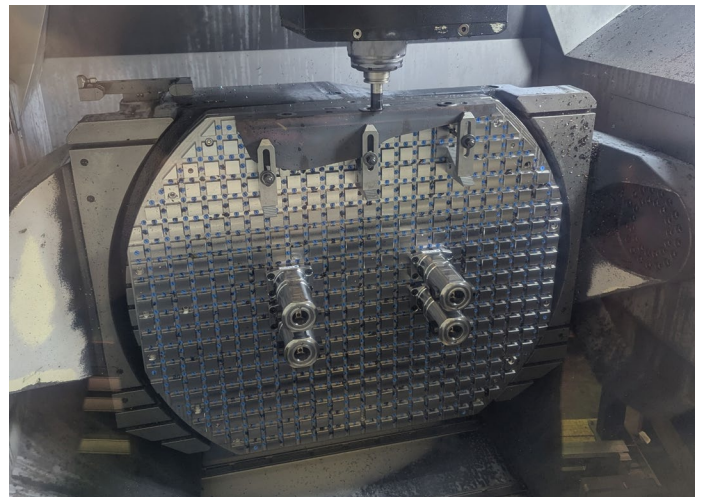
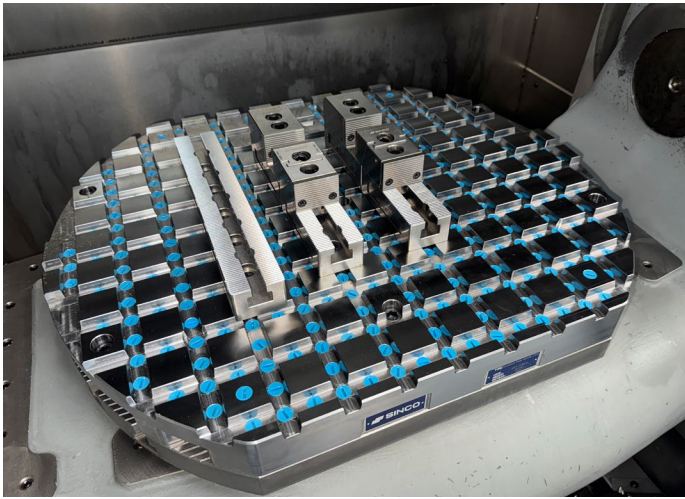


WITH FLANGE

WITHOUT FLANGE



Applications





MultiZero Workholding

Adaptable and expandable workholding equipment for any shape & size workpieces





SINCO

2A4-1120-0

2A4-2020-0

SINCO

2A4-2020-0

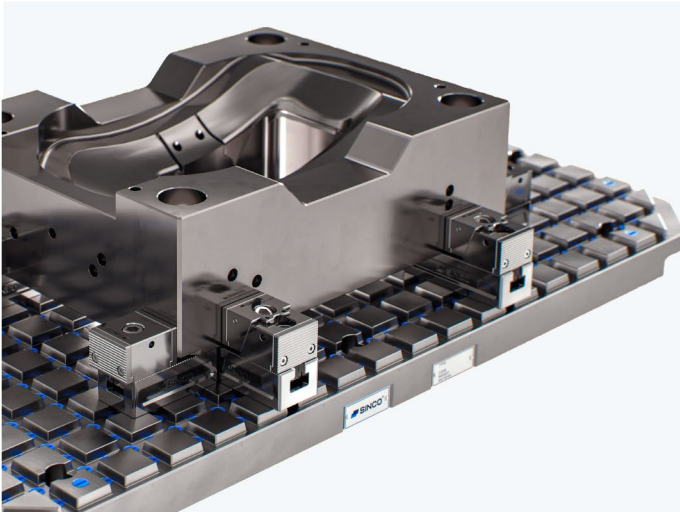
MultiZero Modular Vises

The MultiZero Modular Vise System offers flexible, repeatable clamping on the MultiZero Base Plate for various workpiece sizes and shapes, with simple CAD/CAM planning. Modular components enable quick setup, precise positioning, and secure clamping for both rectangular and round parts.



Benefits and Advantages

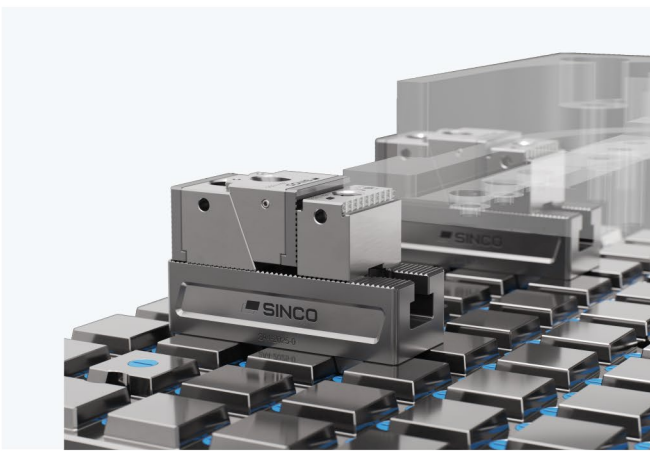
Replace limitations of standard vise and adapt, expand and clamp with MultiZero Modular Vises



Clamp any size & shape

Modular and scalable design for single or multi-workpiece clamping

MultiZero Modular Vises are designed to easily expand across the base plate area and adapt to any workpiece size. Additionally, with the range of different clamping jaws and support elements, these modular vises can easily adapt to different workpiece shapes, from parallel to round, and from perfectly formed to irregular geometries.



Rigid & Adjustable Clamping

Customizable workholding configurations

MultiZero Modular Vises deliver exceptionally high clamping forces, providing 15 kN on a 23 mm wedge vise height and 30 kN on a 35 mm vise height per unit. When additional clamping force is required, multiple vises can be combined to securely accommodate the workpiece. With a fine clamping adjustment pitch of 2.5 mm, along with additional jaw and slider elements, workpieces can be precisely tuned to meet exact machining requirements.

Versatile Jaw Options

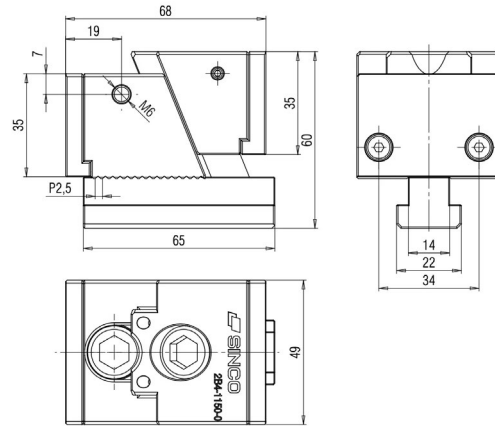
Adaptability for different machining applications

Choose from seven (7) different jaw options, that are covering a full range of general workholding needs. Beside fine jaws for precision applications to rough jaws for heavy-duty clamping, the MultiZero Modular Vises product line also includes specialized jaws for securing round workpieces. Additionally, the system offers jaws designed for clamping workpieces at 3 mm for rough milling or 5 mm for fine milling, ensuring optimal machining performance.

MultiZero Vise Wedge

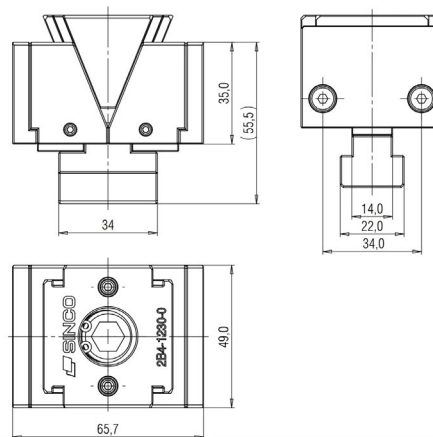
The MultiZero Vise Wedges are key components of the MultiZero Modular Vise System, designed for precise and efficient workpiece clamping. Available in single- and double-wedge versions, they mount on the MultiZero Rail and provide accurate positioning adjustment with a 2.5 mm pitch. The Single Vise Wedge clamps individual workpieces, while the Double Vise Wedge enables simultaneous clamping of two parts for increased productivity. Both feature replaceable jaws with a positive downforce design for durability, cleanliness, and reliable long-term performance.

MultiZero Vise Single Wedge



Product	Product no.	Jaw height (mm)	Clamping force (kN)	Torque (Nm)	Width (mm)	Weight (kg)
MultiZero Vise Single Wedge W50 H23	2B4-1110-1	23.0 mm	15 kN	25 Nm	49.0 mm	0.72 kg
MultiZero Vise Single Wedge W50 H35	2B4-1150-1	35.0 mm	22 kN	30 Nm	49.0 mm	1.05 kg

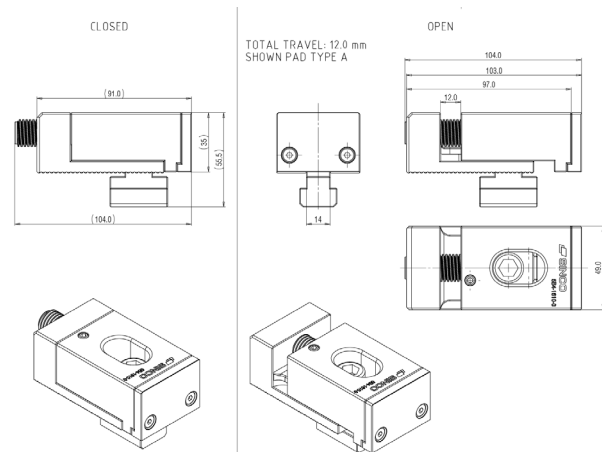
MultiZero Vise Double Wedge



Product	Product no.	Jaw height (mm)	Clamping force (kN)	Torque (Nm)	Width (mm)	Weight (kg)
MultiZero Vise Double Wedge W50 H23	2B4-1210-0	23.0 mm	20 kN (per side)	30 Nm	49.0 mm	0.56 kg
MultiZero Vise Double Wedge W50 H35	2B4-1230-0	35.0 mm	20 kN (per side)	30 Nm	49.0 mm	1.03 kg

MultiZero Spindle Vise

The MultiZero Spindle Vise clamps the workpiece using inline horizontal clamping force, unlike the MultiZero Wedge Vise which applies force in the downward direction. This design enables simple clamping on step jaws (e.g., 3 mm), ensuring maximum accessibility to the workpiece during machining. The vise is mounted on MultiZero Rails, allowing positioning in 2.5 mm increments, while the spindle itself provides an additional 12 mm clamping travel. This combination makes the MultiZero Spindle Vise an ideal solution for flexible and modular clamping setups.

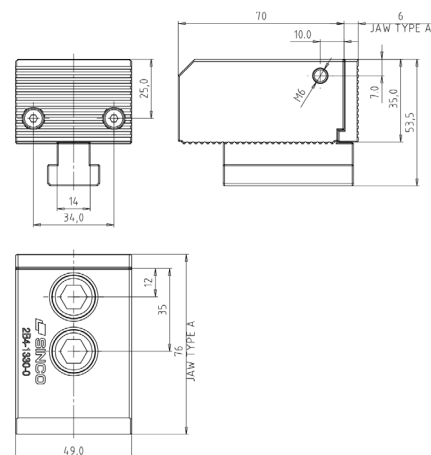


Product	Product no.	Jaw step (mm)	Clamping force (kN)	Torque (Nm)	Width (mm)	Weight (kg)
MultiZero Spindle Vise W50 H35	5B4-1610-0	3.0 mm	18 kN	22 Nm	49.0 mm	1.24 kg

MultiZero Vise Stoppers

The MultiZero Vise Stoppers are positioning elements of the MultiZero Modular Vise System, providing stable and precise workpiece location on the MultiZero Base Plate. Mounted on the MultiZero Rail, they serve as fixed reference points when used with MultiZero Single or Double Wedge Vises. Available in single and double versions, they support flexible clamping of individual or multiple workpieces. Stoppers are offered in 23 mm and 35 mm heights and feature replaceable jaws compatible with all MultiZero Modular Vise components.

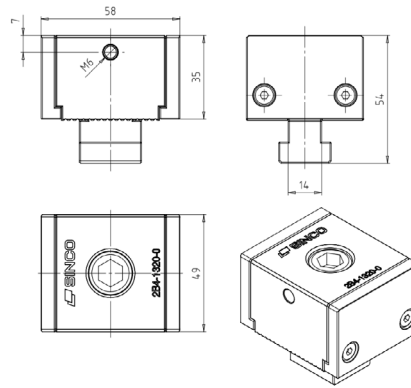
MultiZero Vise Single Stopper



Product	Product no.	Jaw height (mm)	Width (mm)	Length (mm)	Weight (kg)
MultiZero Vise Single Stopper W50 H23	2B4-1315-0	23.0 mm	49 mm	76.0 mm	0.77 kg
MultiZero Vise Single Stopper W50 H35	2B4-1330-0	35.0 mm	49 mm	76.0 mm	1.12 kg

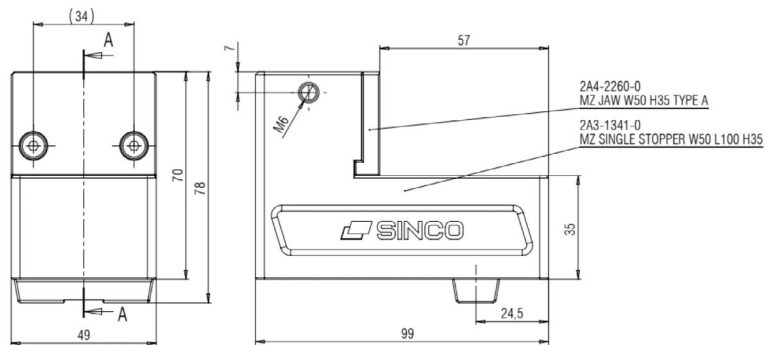
MultiZero Vise Double Stopper

3 |



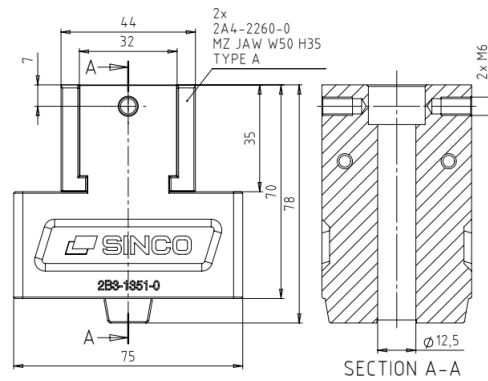
Product	Product no.	Jaw height (mm)	Width (mm)	Length (mm)	Weight (kg)
MultiZero Vise Double Stopper W50 H23	2B4-1310-0	23.0 mm	49.0 mm	46.0 mm	0.45 kg
MultiZero Vise Double Stopper W50 H35	2B4-1320-0	35.0 mm	49.0 mm	58.0 mm	1.34 kg

MultiZero Single Stopper



Product	Product no.	Jaw height (mm)	Length (mm)	Width (mm)	Weight (kg)
MultiZero Single Stopper W50 L50 H23	2B3-1360-0	23.0 mm	50.0mm	49.0 mm	0.85 kg
MultiZero Single Stopper W50 L50 H35	2B3-1361-0	35.0 mm	50.0 mm	49.0 mm	0.98 kg
MultiZero Single Stopper W50 L75 H23	2B3-1365-0	23.0 mm	75.0mm	49.0 mm	1.26 kg
MultiZero Single Stopper W50 L75 H35	2B3-1366-0	35.0 mm	75.0 mm	49.0 mm	1.42 kg
MultiZero Single Stopper W50 L100 H23	2B3-1340-0	23.0 mm	100.0mm	49.0 mm	1.55 kg
MultiZero Single Stopper W50 L100 H35	2B3-1341-0	35.0 mm	100.0 mm	49.0 mm	1.73 kg

MultiZero Double Stopper

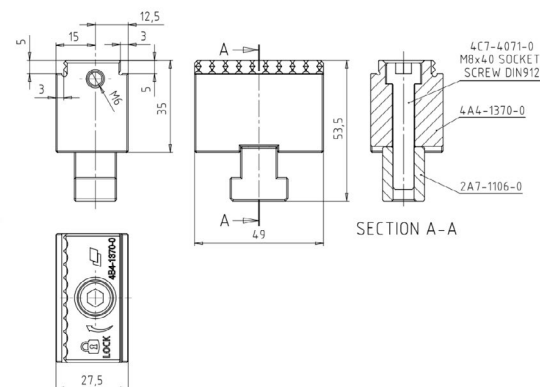


Product	Product no.	Jaw height (mm)	Width (mm)	Length (mm)	Weight (kg)
MultiZero Double Stopper W50 H23	2B3-1350-0	23.0 mm	49.0 mm	75.0 mm	1.30 kg
MultiZero Double Stopper W50 H35	2B3-1351-0	35.0 mm	49.0 mm	75.0 mm	1.49 kg

MultiZero Vise Sliders

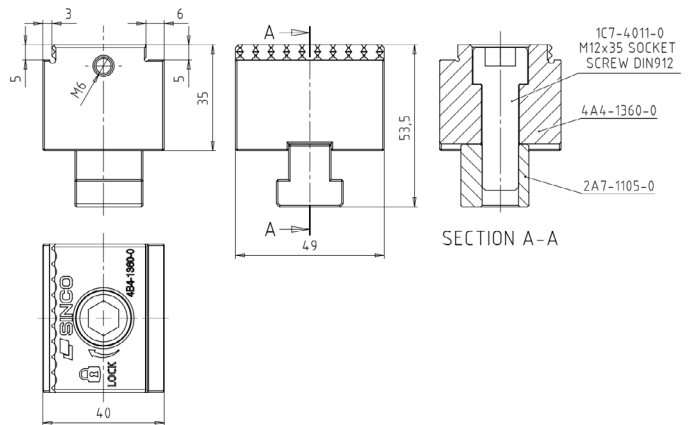
The MultiZero Vise Slider is a versatile add-on for the MultiZero Single Wedge Vise, designed to facilitate minimal surface clamping with MultiZero Modular Vises. This dual-function slider features smooth clamping jaws (5mm depth) on one side and rough clamping jaws (3mm depth) on the other, allowing seamless switching with a simple flip. By combining MultiZero Vise Sliders with MultiZero Modular Vises, users can achieve maximum clamping range with minimal surface engagement, ensuring precise and efficient clamping for a variety of machining needs.

MultiZero Vise Slider M8



Product	Product no.	Jaw height (mm)	Width (mm)	Length (mm)	Weight (g)
MultiZero Vise Slider M8 W50 H23	4B4-1340-0	23.0 mm	49.0 mm	25.0 mm	237 g
MultiZero Vise Slider M8 W50 H35	4B4-1370-0	35.0 mm	49.0 mm	27.5 mm	382 g

MultiZero Vise Slider M12

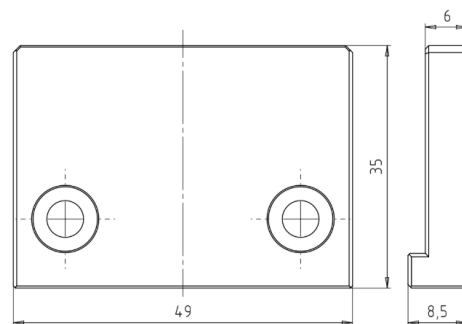


Product	Product no.	Jaw height (mm)	Width (mm)	Length (mm)	Weight (g)
MultiZero Vise Slider M12 W50 H35	4B4-1360-0	35.0 mm	49.0 mm	40.0 mm	552 g

MultiZero Vise Jaws

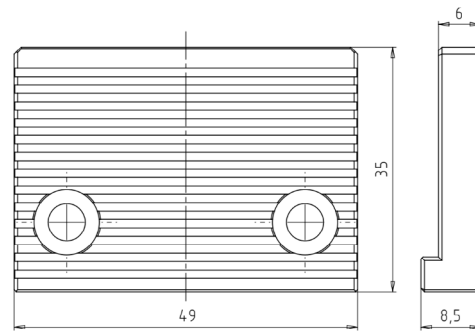
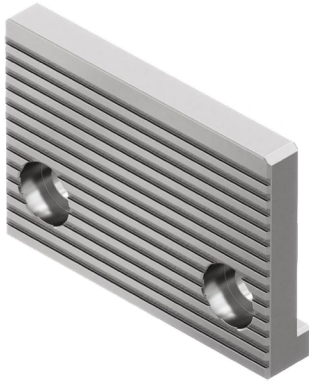
The MultiZero Modular Vise product line offers a versatile range of clamping jaw options to meet diverse machining needs, including rough milling to finishing operations, 3 to 5-axis milling, and clamping of both rectangular and round parts. Clamping jaws are easily interchangeable by simply removing two screws on their surface, providing quick adaptability for various applications.

MultiZero Jaw Type A



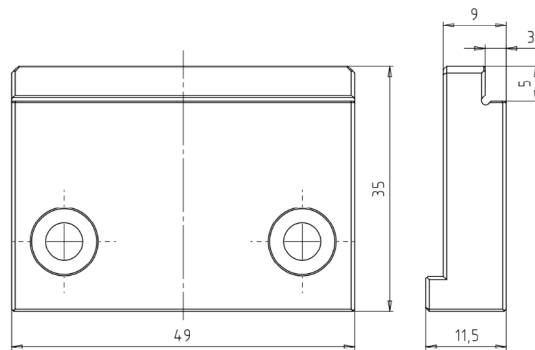
Product	Product no.	Height (mm)	Width (mm)	Weight (g)
MultiZero Jaw W50 H23 Type A	2A4-2210-0	23.0 mm	49.0 mm	53 g
MultiZero Jaw W50 H35 Type A	2A4-2260-0	35.0 mm	49.0 mm	80 g

MultiZero Jaw Type B



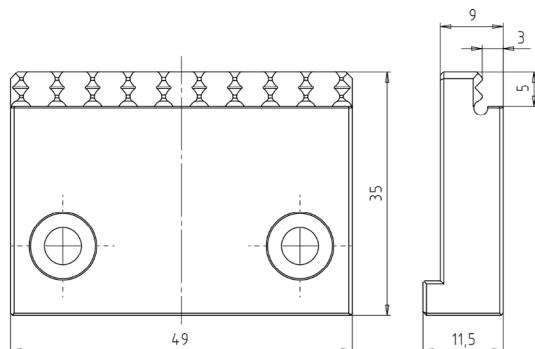
Product	Product no.	Height (mm)	Width (mm)	Weight (g)
MultiZero Jaw W50 H23 Type B	2A4-2215-0	23.0 mm	49.0 mm	51 g
MultiZero Jaw W50 H35 Type B	2A4-2265-0	35.0 mm	49.0 mm	78 g

MultiZero Jaw Type C



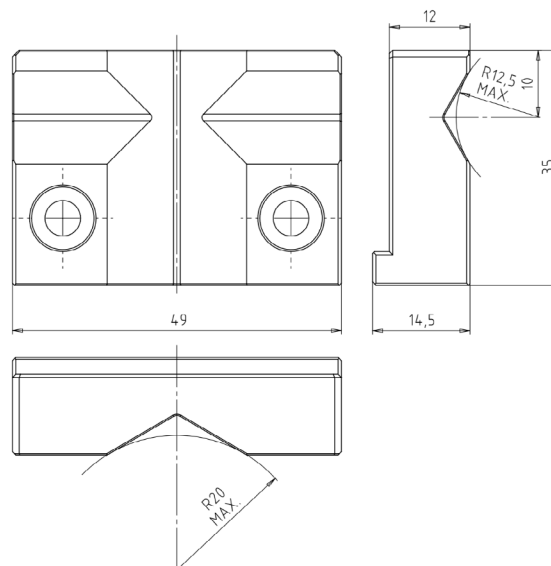
Product	Product no.	Height (mm)	Width (mm)	Weight (g)
MultiZero Jaw W50 H23 Type C	2A4-2220-0	23.0 mm	49.0 mm	71 g
MultiZero Jaw W50 H35 Type C	2A4-2270-0	35.0 mm	49.0 mm	113 g

MultiZero Jaw Type D



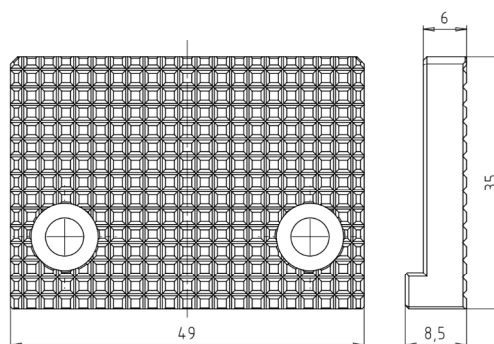
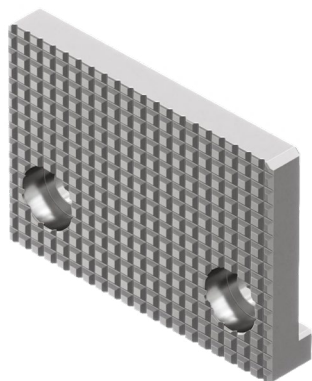
Product	Product no.	Height (mm)	Width (mm)	Weight (g)
MultiZero Jaw W50 H23 Type D	2A4-2225-0	23.0 mm	49.0 mm	68 g
MultiZero Jaw W50 H35 Type D	2A4-2275-0	35.0 mm	49.0 mm	110 g

MultiZero Jaw Type E



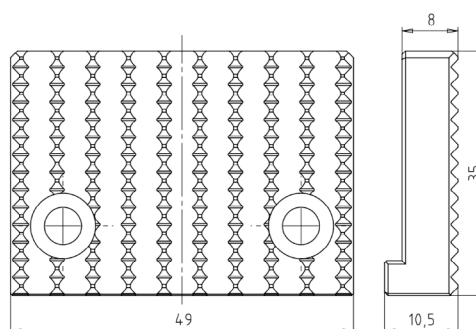
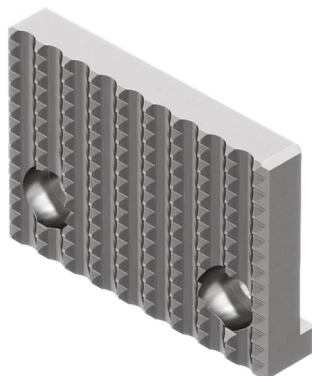
Product	Product no.	Height (mm)	Width (mm)	Max. workpiece D1	Max. workpiece D2	Weight (g)
MultiZero Jaw W50 H23 Type E	2A4-2230-0	23.0 mm	49.0 mm	Ø12.5 mm	Ø20.0 mm	84 g
MultiZero Jaw W50 H35 Type E	2A4-2280-0	35.0 mm	49.0 mm	Ø12.5 mm	Ø20.0 mm	131 g

MultiZero Jaw Type F



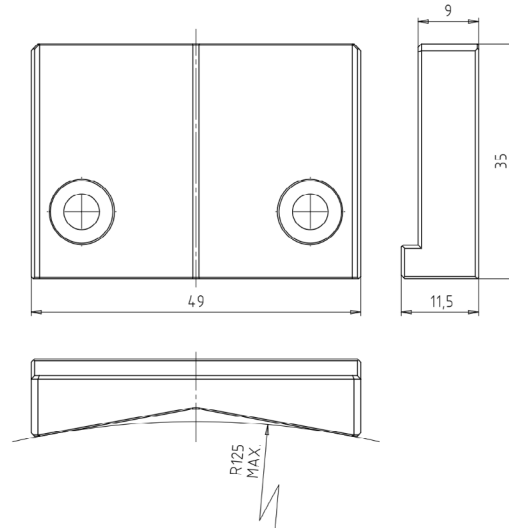
Product	Product no.	Height (mm)	Width (mm)	Weight (g)
MultiZero Jaw W50 H23 Type F	2A4-2235-0	23.0 mm	49.0 mm	51 g
MultiZero Jaw W50 H35 Type F	2A4-2285-0	35.0 mm	49.0 mm	78 g

MultiZero Jaw Type G



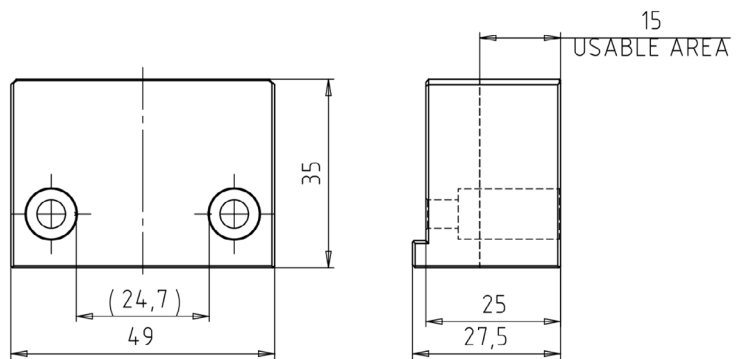
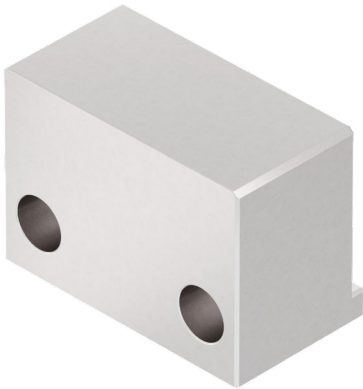
Product	Product no.	Height (mm)	Width (mm)	Weight (g)
MultiZero Jaw W50 H23 Type G	2A4-2240-0	23.0 mm	49.0 mm	61 g
MultiZero Jaw W50 H35 Type G	2A4-2290-0	35.0 mm	49.0 mm	93 g

MultiZero Jaw Type H



Product	Product no.	Height (mm)	Width (mm)	Max. workpiece diameter	Weight (g)
MultiZero Jaw W50 H23 Type H	2A4-2245-0	23.0 mm	125.0 mm	Ø125.0 mm	60 g
MultiZero Jaw W50 H35 Type H	2A4-2295-0	35.0 mm	125.0 mm	Ø125.0 mm	93 g

MultiZero Jaw Type I

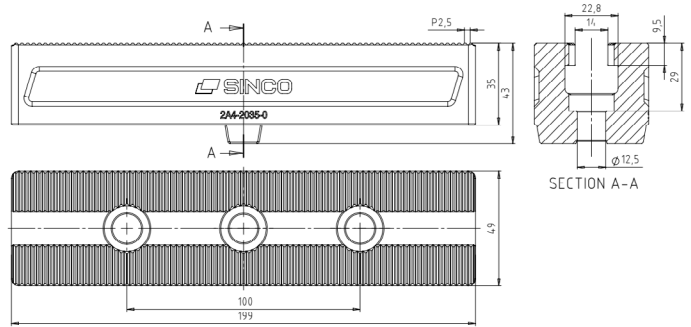


Product	Product no.	Height (mm)	Width (mm)	Weight (g)
MultiZero Jaw W50 H23 Type I	2A4-2250-0	23.0 mm	49.0 mm	200 g
MultiZero Jaw W50 H35 Type I	2A4-2300-0	35.0 mm	49.0 mm	320 g

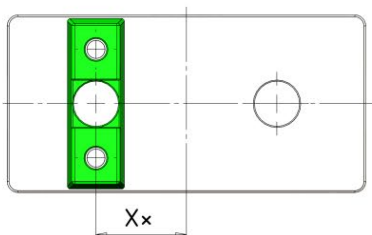
*Soft Jaw - Material: Aluminium

MultiZero Rails

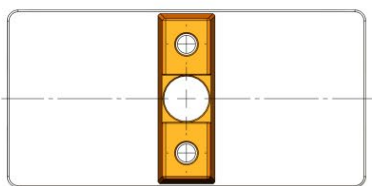
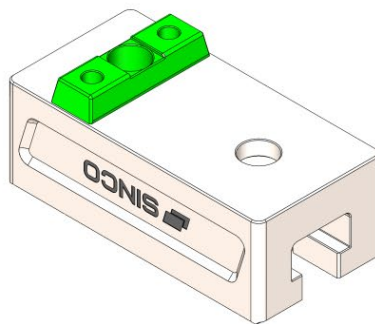
The MultiZero Rail is a key component of the MultiZero Modular Vises system, designed for use exclusively with the MultiZero Single Vise Wedge and Double Vise Wedge. Available in various lengths, the rail is mounted onto the surface of the MultiZero Base Plate using a conical rib that precisely fits into matching conical slots of the MultiZero Base Plate. Once positioned, the Single or Double Vise Wedge is added on top, creating a modular vise system that can be moved in 50mm increments across the base plate. This flexible setup allows for adaptable clamping solutions for workpieces of varying sizes and shapes.



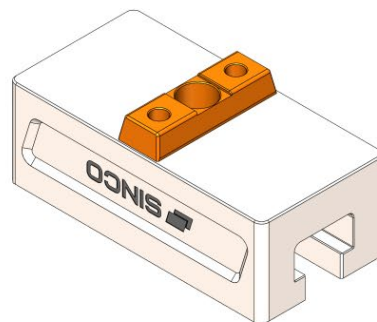
Product	Product no.	Height (mm)	Width (mm)	Length (mm)	Weight (kg)
MultiZero Rail W50 L75E (E-centric)	2A4-2015-0	35.0 mm	49.0 mm	75.0 mm	0.72 kg
MultiZero Rail W50 L75E (Centric)	2A4-2016-0	35.0 mm	49.0 mm	75.0 mm	0.72 kg
MultiZero Rail W50 L100E (E-centric)	2A4-2020-0	35.0 mm	49.0 mm	100.0 mm	0.94 kg
MultiZero Rail W50 L100C (Centric)	2A4-2021-0	35.0 mm	49.0 mm	100.0 mm	0.94 kg
MultiZero Rail W50 L125E (E-centric)	2A4-2025-0	35.0 mm	49.0 mm	125.0 mm	1.17 kg
MultiZero Rail W50 L200 (Centric)	2A4-2035-0	35.0 mm	49.0 mm	200.0 mm	1.86 kg
MultiZero Rail W50 L300 (Centric)	2A4-2040-0	35.0 mm	49.0 mm	300.0 mm	2.00 kg



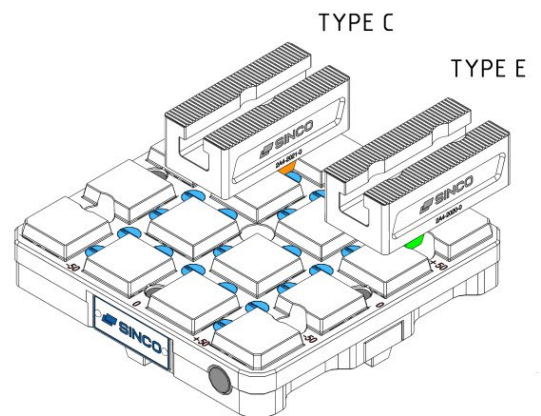
TYPE E - EXCENTER



TYPE C - CENTER



×X DEPENDS ON THE RAIL LENGTH

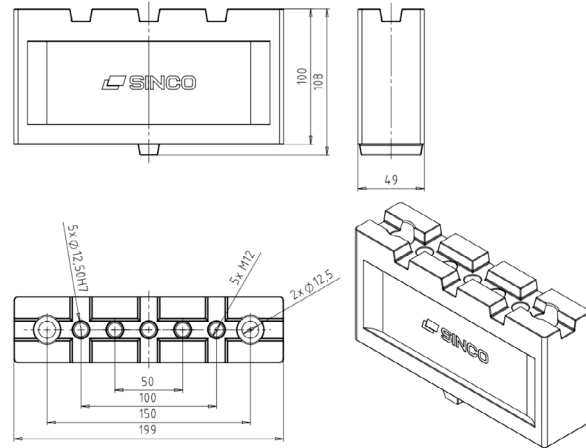


EXAMPLE

*Centric - Positioning slot rail in the bottom is in the center of the rail
*E-centric - Positioning slot rail in the bottom is not in the center of the rail

MultiZero Adapters

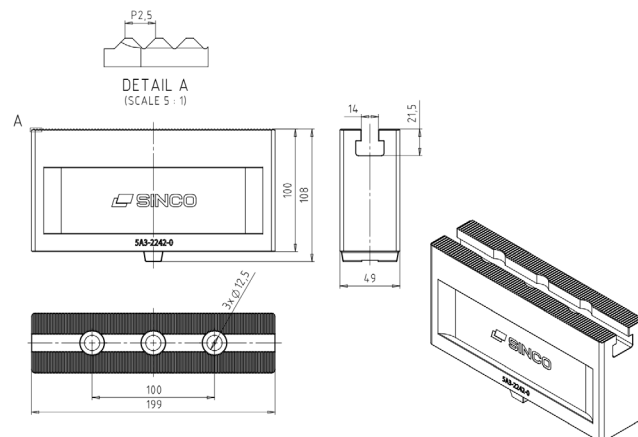
The MultiZero Adapters are designed to elevate MultiZero components, providing additional height clearance for 5-axis machining operations. They are primarily used in combination with MultiZero Rails when clamping workpieces with MultiZero Modular Vises, allowing the workpiece to be raised to prevent spindle or toolholder collisions. Like other MultiZero workholding elements, the adapters can be freely positioned across the base plate, ensuring high flexibility in fixture design. They can be used individually as height extensions or stacked together to achieve the required elevation for complex machining setups.



Product	Product no.	Height (mm)	Width (mm)	Length (mm)	Weight (kg)
MultiZero Adapter L125 H100	5A3-2235-0	100.0 mm	49.0 mm	125.0 mm	3.80 kg
MultiZero Adapter L200 H100	5A3-2240-0	100.0 mm	49.0 mm	200.0 mm	6.00 kg

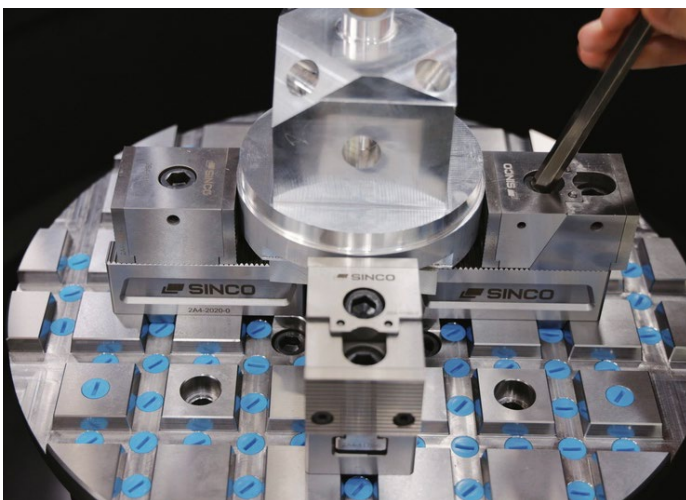
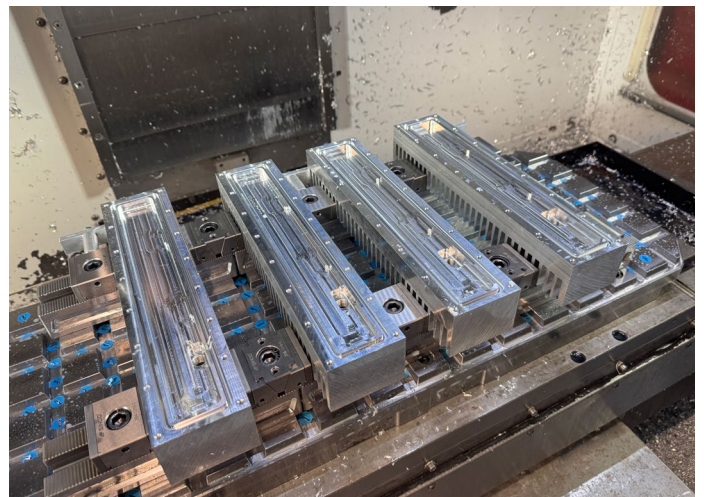
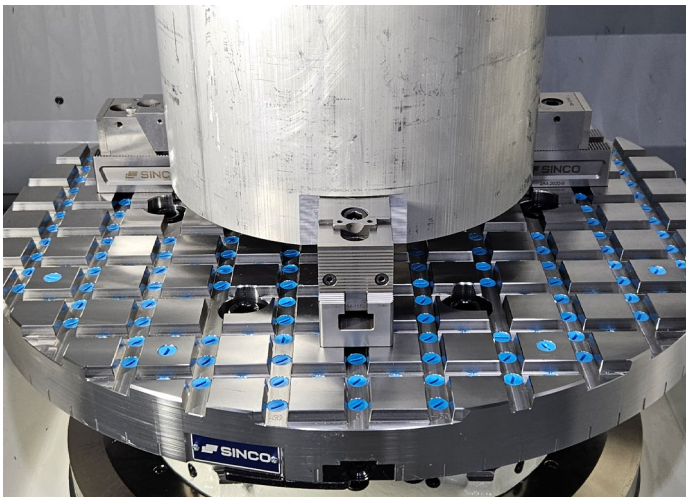
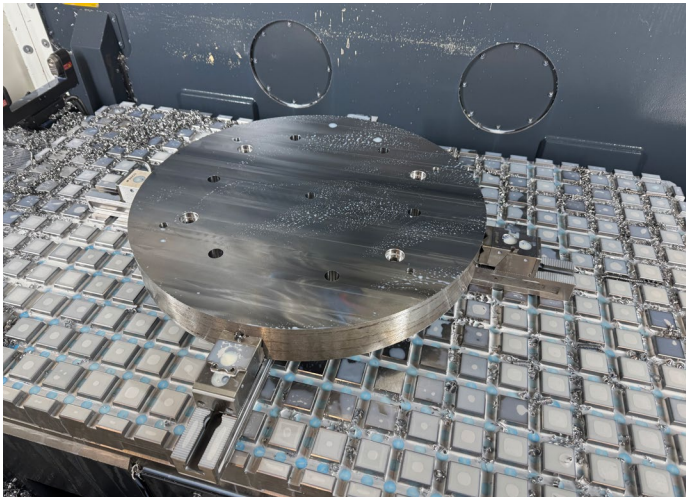
MultiZero Rail Adapters

MultiZero Rail Adapters are elevated versions of the standard MultiZero Rails, designed to provide additional height for 5-axis machining applications and improved collision clearance. They allow components such as MultiZero Wedge Vises and MultiZero Spindle Vises to be mounted directly at an increased height without the need for intermediate elements. This direct connection ensures high rigidity, precision, and overall stability of the workholding setup. MultiZero Rail Adapters can also be connected in series, creating longer elevated rail configurations that enable multiple workpieces to be clamped simultaneously, making them particularly suitable for multi-part 5-axis machining operations.



Product	Product no.	Height (mm)	Width (mm)	Length (mm)	Weight (kg)
MultiZero Rail Adapter W50 L125 H100	5A3-2237-0	100.0 mm	49.0 mm	125.0 mm	3.60 kg
MultiZero Rail Adapter W50 L200 H100	5A3-2242-0	100.0 mm	49.0 mm	200.0 mm	5.80 kg

Applications





2A4-2216-0

2A4-2216-0



SINCO

MultiZero Risers

The MultiZero Riser W80 enables precise, repeatable clamping for 5-axis machining and standardized workholding. It elevates workpieces for full five-sided access and stable positioning, with a modular system of risers, extensions, adapters, and positioning elements for various sizes and geometries.



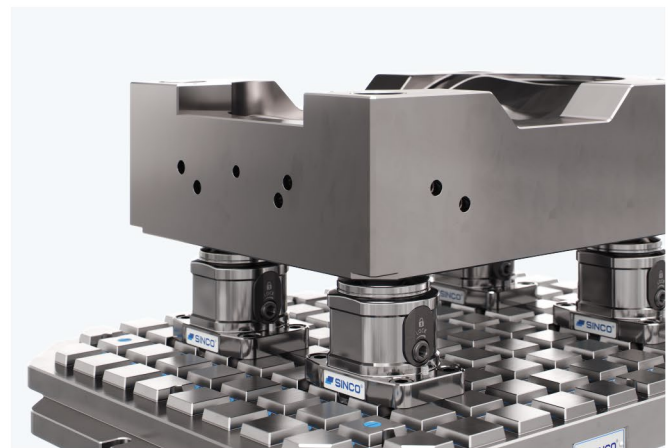
Benefits and Advantages

Plan your clamping ahead, easily adjust height, enhance precision, and ensure repeatability in 5-axis workholding or general standardized clamping.

Height Adjustability

Optimizing tool access and reducing the risk of collision

MultiZero Risers and Extensions allow workpieces to be raised as needed, optimizing tool access and reducing the risk of collision. Additionally the adjustable adapters enable vertical movement of +20mm, making it possible to push the height and align the workpiece—something that particularly useful for clamping workpieces with uneven undersides.



Precision & Repeatability

Scope-free nipple centering between components

Integrated positioning elements ensure accurate alignment and reliable repeatability of riser mounting to the baseplate, while scope-free nipple centering between components ensures accurate positioning and centricity at the touch point.

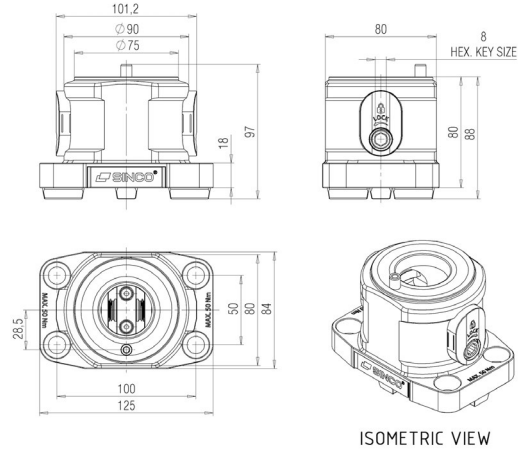
Five-sided machining

Wide workpiece accessibility with clamping from the underside

With the workpiece clamped from the underside, all five sides remain completely accessible for machining. Clamping holes can be precisely predefined in CAD operations and simulated in CAM using 3D models of each clamping component, ensuring seamless integration under the SINCO standard.

MultiZero Riser W80

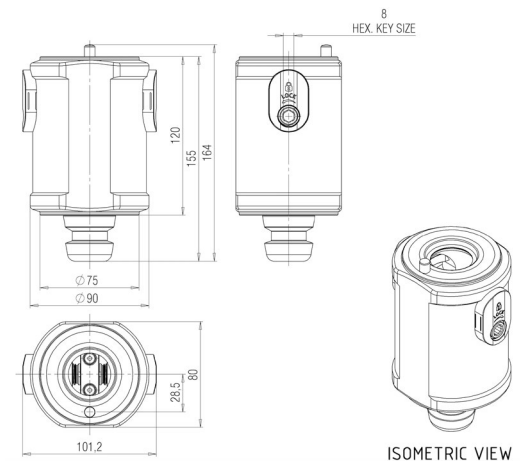
The MultiZero Riser W80 offers five-sided machining with no limitations on workpiece size or shape. It provides precise, repeatable clamping, making it suitable for large workpieces and general 5-axis machining. With a range of height extensions and adapters, the system is flexible and efficient for various setups.



Product	Product no.	Height (mm)	Clamping force (kN)	Torque (Nm)	Width (mm)	Weight (kg)
MultiZero Riser W80 H80	3B6-1010-0	80.0 mm	15 kN	50 Nm	80.0 mm	4.08 kg
MultiZero Riser W80 H160	3B6-1320-0	160.0 mm	15 kN	50 Nm	80.0 mm	7.58 kg
MultiZero Riser W80 H240	3B6-1330-0	240.0 mm	15 kN	50 Nm	80.0 mm	11.15 kg

MultiZero Riser W80 Extension

MultiZero Riser W80 Extensions are designed to provide additional height during 5-axis machining operations, allowing greater flexibility and collision prevention. By raising the workpiece as needed, these extensions help optimize tool access and prevent interference. MultiZero Riser W80 Extensions can also be used to clamp the workpieces which underside isn't perfectly flat, and by that enable clamping of one workpiece on different clamping / point of contact heights.

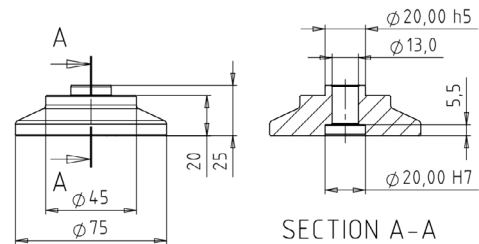


Product	Product no.	Height (mm)	Clamping force (kN)	Torque (Nm)	Width (mm)	Weight (kg)
MultiZero Riser W80 Extension H90	3B6-1045-0	90.0 mm	15 kN	50 Nm	80.0 mm	4.16 kg
MultiZero Riser W80 Extension H100	3B6-1048-0	100.0 mm	15 kN	50 Nm	80.0 mm	4.59 kg
MultiZero Riser W80 Extension H120	3B6-1040-0	120.0 mm	15 kN	50 Nm	80.0 mm	5.20 kg

MultiZero Riser W80 Adapters

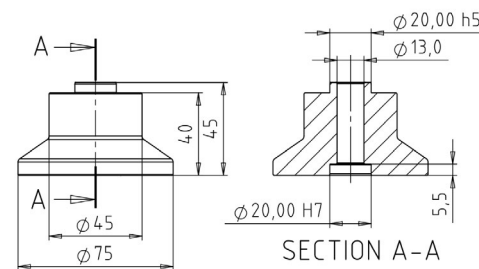
MultiZero Riser W80 Adapters provide unmatched flexibility and precision in 5-axis machining. Designed to optimize height adjustment and reduce positioning surface areas, these adapters ensure better accessibility, collision prevention, and reliable clamping for complex workpieces. Available in various sizes and configurations, they allow you to customize your workholding setup, enhancing productivity and machining efficiency. Elevate your clamping capabilities with the robust and versatile MultiZero Riser W80 Adapters.

MultiZero Riser W80 Adapter H20 D45



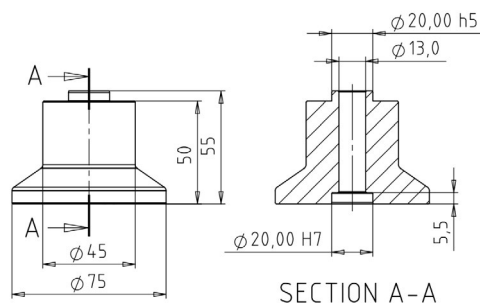
Product no.	Height (mm)	Ø (A)	Ø (B)	Weight (kg)
3A6-1110-0	20.0 mm	75.0 mm	45.0 mm	0.45 kg

MultiZero Riser W80 Adapter H40 D45



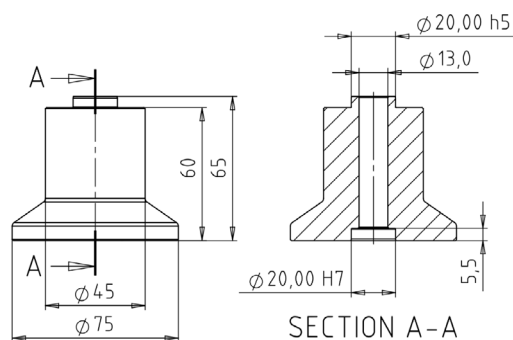
Product no.	Height (mm)	Ø (A)	Ø (B)	Weight (kg)
3A6-1115-0	40.0 mm	75.0 mm	45.0 mm	0.71 kg

MultiZero Riser W80 Adapter H50 D45



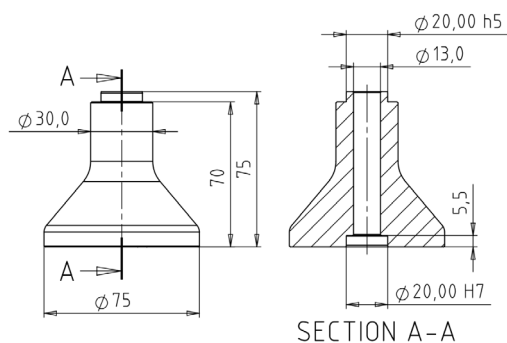
Product no.	Height (mm)	Ø (A)	Ø (B)	Weight (kg)
3A6-1120-0	50.0 mm	75.0 mm	45.0 mm	0.82 kg

MultiZero Riser W80 Adapter H60 D45



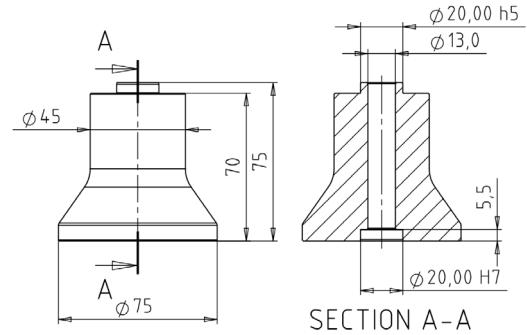
Product no.	Height (mm)	Ø (A)	Ø (B)	Weight (kg)
3A6-1125-0	60.0 mm	75.0 mm	45.0 mm	0.93 kg

MultiZero Riser W80 Adapter H70 D30



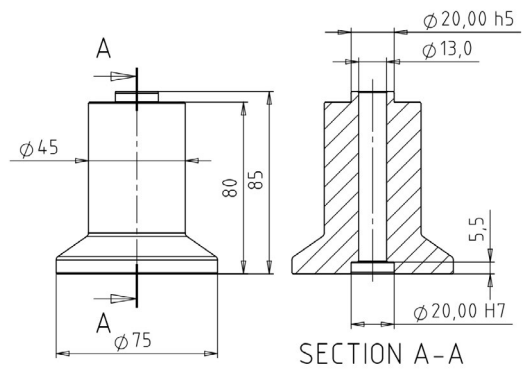
Product no.	Height (mm)	Ø (A)	Ø (B)	Weight (kg)
3A6-1150-0	70.0 mm	75.0 mm	30.0 mm	0.90 kg

MultiZero Riser W80 Adapter H70 D45



Product no.	Height (mm)	Ø (A)	Ø (B)	Weight (kg)
3A6-1130-0	70.0 mm	75.0 mm	45.0 mm	1.17 kg

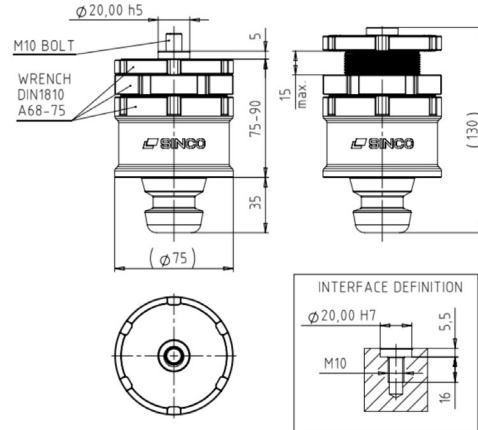
MultiZero Riser W80 Adapter H80 D45



Product no.	Height (mm)	Ø (A)	Ø (B)	Weight (kg)
3A6-1135-0	80.0 mm	75.0 mm	45.0 mm	1.15 kg

MultiZero Riser W80 Adjusting Adapter

The MultiZero Riser W80 Adjusting Adapter mounts onto the MultiZero Riser or Riser Extension and enables precise height adjustment within a +20 mm range. It allows accurate alignment of workpieces, especially those with uneven undersides, ensuring secure clamping. Standard MultiZero Adapters can also be mounted on top for additional height or positioning adjustment.

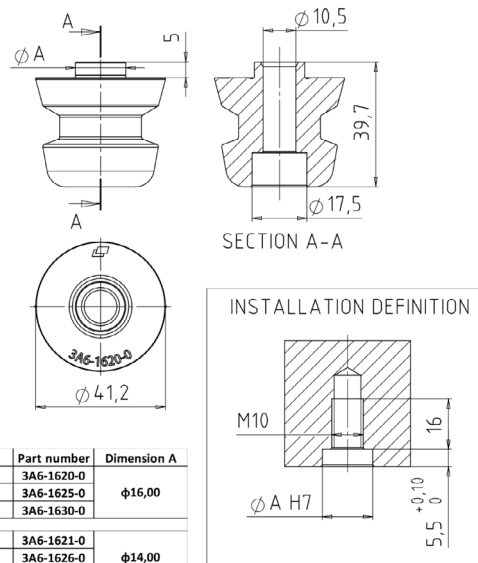


Product	Product no.	Height (mm)	Adjustable height (mm)	ϕ (A)	Weight (kg)
MultiZero Riser W80 Adjusting Adapter	3B6-1195-0	80.0 mm	+20.0 mm (100.0 mm)	75.0 mm	1.47 kg

MultiZero Riser Nipples

The MultiZero Riser Nipple is a positioning element mounted underneath a workpiece for precise alignment on MultiZero Risers. The positioning section fits into a premachined H hole and is secured with a mounting screw. Nipples are available in male and female variants. The male nipple is fixed with a screw applied from below into the workpiece, while the female nipple features an internal thread allowing the screw to be applied from above through the workpiece. Female nipples are typically used for thin workpieces. Both variants are available in M10, M12, and M16, with the male version additionally in M24. All versions include two positioning diameters to compensate for deformation of positioning holes after heat treatment.

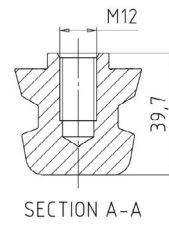
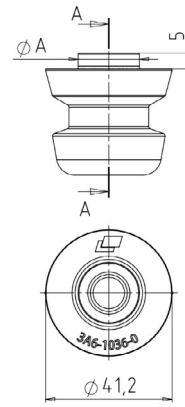
MultiZero Nipple W80 Male M10



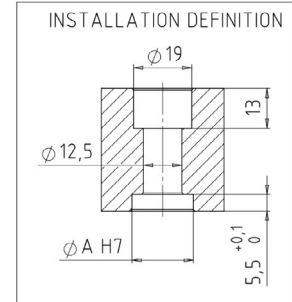
Type	Part number	Dimension A
A	3A6-1620-0	$\phi 16,00$
B	3A6-1625-0	
C	3A6-1630-0	
A	3A6-1621-0	$\phi 14,00$
B	3A6-1626-0	
C	3A6-1631-0	

Product	Product no.	ϕ (A)	Mounting bolt (M)	ϕ (A)	Weight (kg)
MultiZero Nipple W80 Male M10 Type A D16	3A6-1620-0	16.0 mm	M10	41.2 mm	0.21 kg
MultiZero Nipple W80 Male M10 Type B D16	3A6-1625-0	16.0 mm	M10	40.7 mm	0.21 kg
MultiZero Nipple W80 Male M10 Type C D16	3A6-1630-0	16.0 mm	M10	41.2 mm	0.21 kg
MultiZero Nipple W80 Male M10 Type A D14	3A6-1621-0	14.0 mm	M10	41.2 mm	0.21 kg
MultiZero Nipple W80 Male M10 Type B D14	3A6-1626-0	14.0 mm	M10	40.7 mm	0.21 kg
MultiZero Nipple W80 Male M10 Type C D14	3A6-1631-0	14.0 mm	M10	41.2 mm	0.21 kg

MultiZero Nipple W80 Male M12

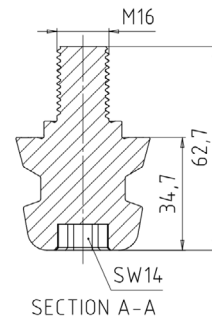
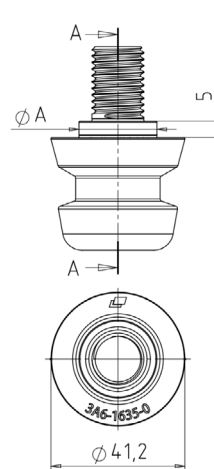


Type	Part number	Dimension A
A	3A6-1036-0	φ20,00
B	3A6-1037-0	
C	3A6-1038-0	
A	3A6-1670-0	φ18,00
B	3A6-1675-0	
C	3A6-1680-0	

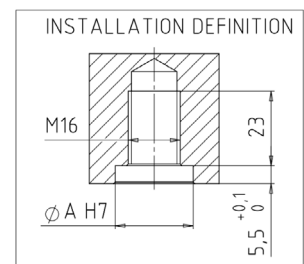


Product	Product no.	Ø (A)	Mounting bolt (M)	Ø (A)	Weight (kg)
MultiZero Nipple W80 Male M12 Type A D20	3A6-1030-0	20.0 mm	M12	41.2 mm	0.20 kg
MultiZero Nipple W80 Male M12 Type B D20	3A6-1031-0	20.0 mm	M12	40.7 mm	0.20 kg
MultiZero Nipple W80 Male M12 Type C D20	3A6-1032-0	20.0 mm	M12	41.2 mm	0.20 kg
MultiZero Nipple W80 Male M12 Type A D18	3A6-1033-0	18.0 mm	M12	41.2 mm	0.20 kg
MultiZero Nipple W80 Male M12 Type B D18	3A6-1034-0	18.0 mm	M12	40.7 mm	0.20 kg
MultiZero Nipple W80 Male M12 Type C D18	3A6-1035-0	18.0 mm	M12	41.2 mm	0.20 kg

MultiZero Nipple W80 Male M16

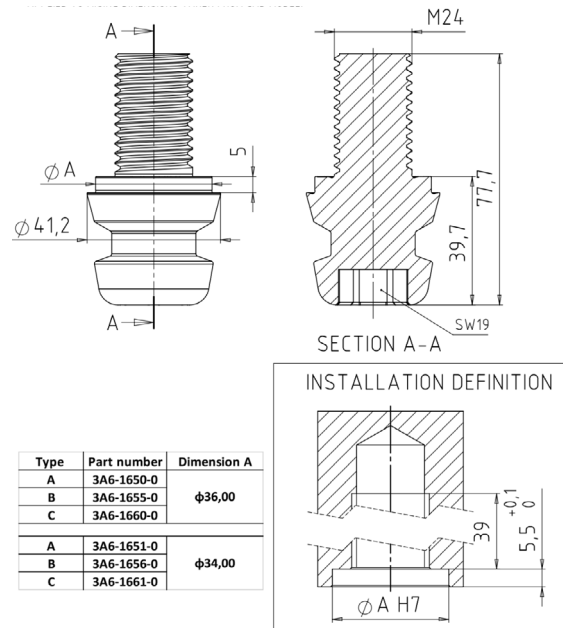


Type	Part number	Dimension A
A	3A6-1635-0	φ24,00
B	3A6-1640-0	
C	3A6-1645-0	
A	3A6-1036-0	φ22,00
B	3A6-1641-0	
C	3A6-1646-0	



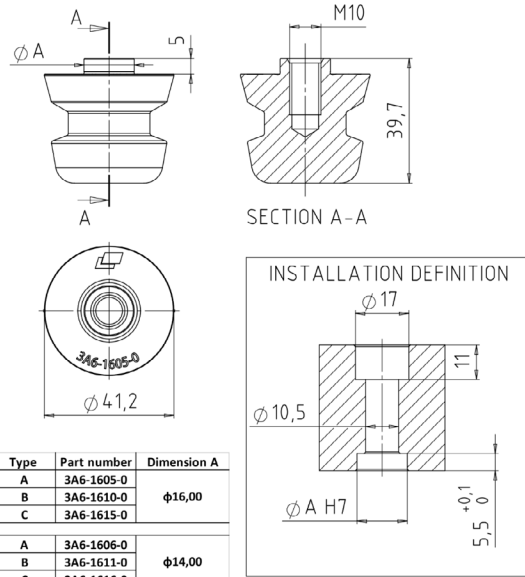
Product	Product no.	Ø (A)	Mounting bolt (M)	Ø (A)	Weight (kg)
MultiZero Nipple W80 Male M16 Type A D24	3A6-1635-0	24.0 mm	M16	41.2 mm	0.27 kg
MultiZero Nipple W80 Male M16 Type B D24	3A6-1640-0	24.0 mm	M16	40.7 mm	0.27 kg
MultiZero Nipple W80 Male M16 Type C D24	3A6-1645-0	24.0 mm	M16	41.2 mm	0.27 kg
MultiZero Nipple W80 Male M16 Type A D22	3A6-1036-0	22.0 mm	M16	41.2 mm	0.27 kg
MultiZero Nipple W80 Male M16 Type B D22	3A6-1641-0	22.0 mm	M16	40.7 mm	0.27 kg
MultiZero Nipple W80 Male M16 Type C D22	3A6-1646-0	22.0 mm	M16	41.2 mm	0.27 kg

MultiZero Nipple W80 Male M24



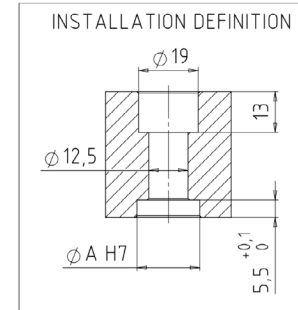
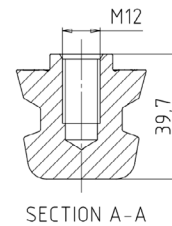
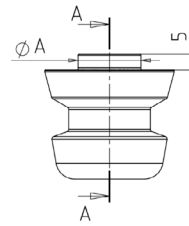
Product	Product no.	Ø (A)	Mounting bolt (M)	Ø (A)	Weight (kg)
MultiZero Nipple W80 Male M24 Type A D36	3A6-1650-0	36.0 mm	M24	41.2 mm	0.37 kg
MultiZero Nipple W80 Male M24 Type B D36	3A6-1655-0	36.0 mm	M24	40.7 mm	0.37 kg
MultiZero Nipple W80 Male M24 Type C D36	3A6-1660-0	36.0 mm	M24	41.2 mm	0.37 kg
MultiZero Nipple W80 Male M24 Type A D34	3A6-1651-0	34.0 mm	M24	41.2 mm	0.37 kg
MultiZero Nipple W80 Male M24 Type B D34	3A6-1656-0	34.0 mm	M24	40.7 mm	0.37 kg
MultiZero Nipple W80 Male M24 Type C D34	3A6-1661-0	34.0 mm	M24	41.2 mm	0.37 kg

MultiZero Nipple W80 Female M10



Product	Product no.	Ø (A)	Mounting bolt (M)	Ø (A)	Weight (kg)
MultiZero Nipple W80 Female M10 Type A D16	3A6-1605-0	16.0 mm	M10	41.2 mm	0.23 kg
MultiZero Nipple W80 Female M10 Type B D16	3A6-1610-0	16.0 mm	M10	40.7 mm	0.23 kg
MultiZero Nipple W80 Female M10 Type C D16	3A6-1615-0	16.0 mm	M10	41.2 mm	0.23 kg
MultiZero Nipple W80 Female M10 Type A D14	3A6-1606-0	14.0 mm	M10	41.2 mm	0.23 kg
MultiZero Nipple W80 Female M10 Type B D14	3A6-1611-0	14.0 mm	M10	40.7 mm	0.23 kg
MultiZero Nipple W80 Female M10 Type C D14	3A6-1616-0	14.0 mm	M10	41.2 mm	0.23 kg

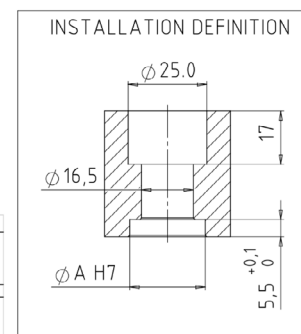
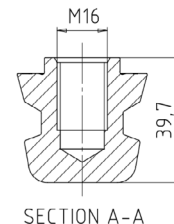
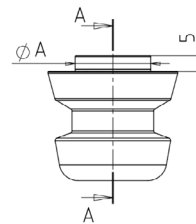
MultiZero Nipple W80 Female M12



Type	Part number	Dimension A
A	3A6-1036-0	φ20,00
B	3A6-1037-0	
C	3A6-1038-0	
A	3A6-1670-0	φ18,00
B	3A6-1675-0	
C	3A6-1680-0	

Product	Product no.	Ø (A)	Mounting bolt (M)	Ø (A)	Weight (kg)
MultiZero Nipple W80 Female M12 Type A D20	3A6-1036-0	20.0 mm	M12	41.2 mm	0.23 kg
MultiZero Nipple W80 Female M12 Type B D20	3A6-1037-0	20.0 mm	M12	40.7 mm	0.23 kg
MultiZero Nipple W80 Female M12 Type C D20	3A6-1038-0	20.0 mm	M12	41.2 mm	0.23 kg
MultiZero Nipple W80 Female M12 Type A D18	3A6-1670-0	18.0 mm	M12	41.2 mm	0.23 kg
MultiZero Nipple W80 Female M12 Type B D18	3A6-1675-0	18.0 mm	M12	40.7 mm	0.23 kg
MultiZero Nipple W80 Female M12 Type C D18	3A6-1680-0	18.0 mm	M12	41.2 mm	0.23 kg

MultiZero Nipple W80 Male M16

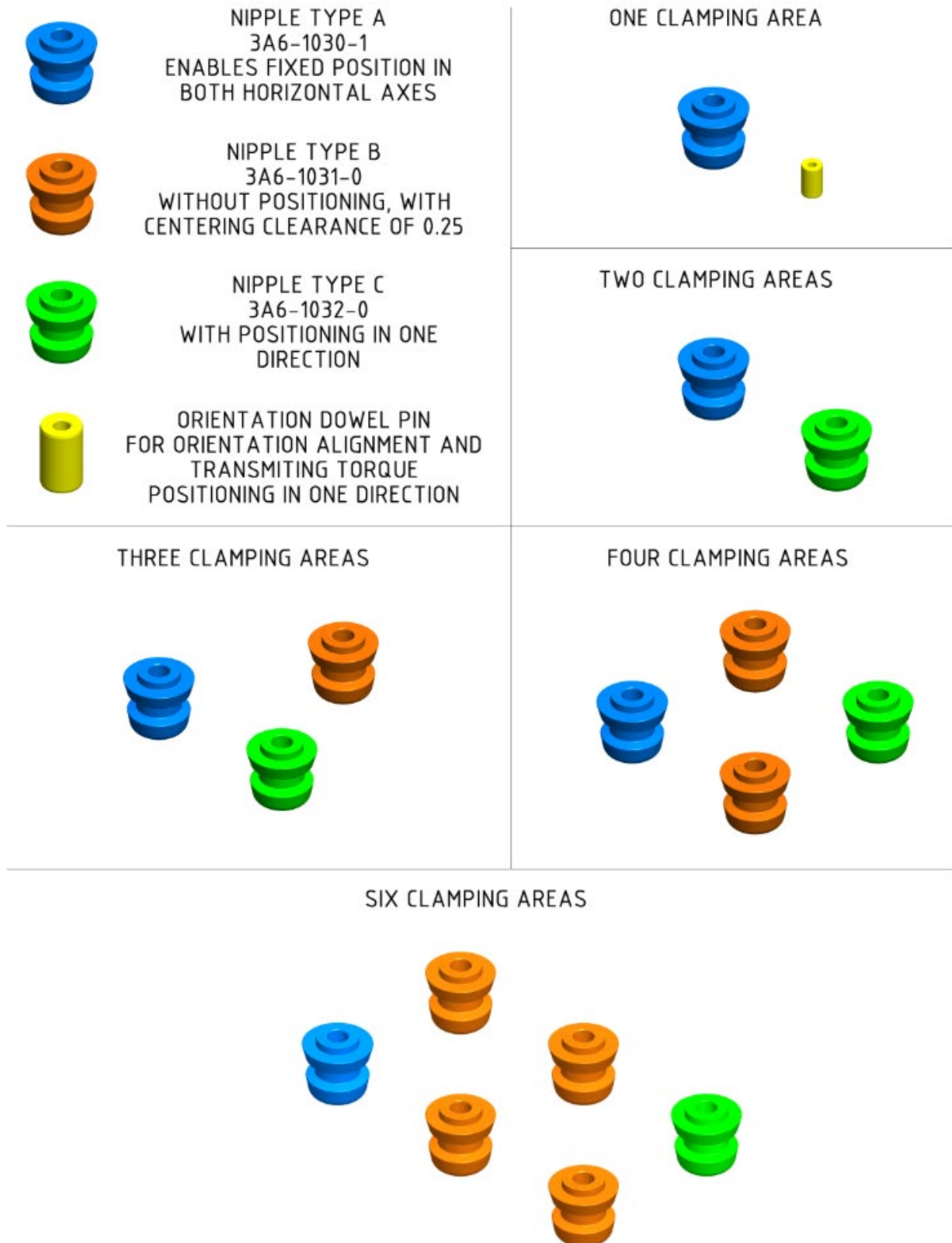


Type	Part number	Dimension A
A	3A6-1021-0	φ24,00
B	3A6-1022-0	
C	3A6-1023-0	
A	3A6-1024-0	φ22,00
B	3A6-1025-0	
C	3A6-1026-0	

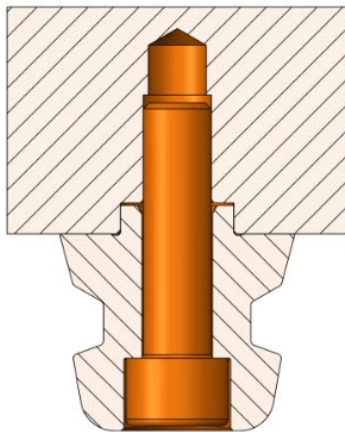
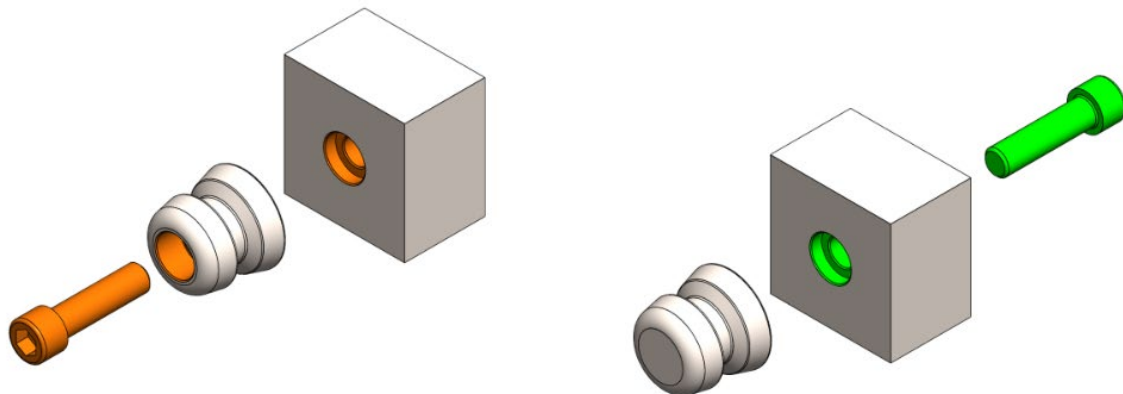
Product	Product no.	Ø (A)	Mounting bolt (M)	Ø (A)	Weight (kg)
MultiZero Nipple W80 Female M16 Type A D24	3A6-1021-0	24.0 mm	M16	41.2 mm	0.21 kg
MultiZero Nipple W80 Female M16 Type B D24	3A6-1022-0	24.0 mm	M16	40.7 mm	0.21 kg
MultiZero Nipple W80 Female M16 Type C D24	3A6-1023-0	24.0 mm	M16	41.2 mm	0.21 kg
MultiZero Nipple W80 Female M16 Type A D22	3A6-1024-0	22.0 mm	M16	41.2 mm	0.21 kg
MultiZero Nipple W80 Female M16 Type B D22	3A6-1025-0	22.0 mm	M16	40.7 mm	0.21 kg
MultiZero Nipple W80 Female M16 Type C D22	3A6-1026-0	22.0 mm	M16	41.2 mm	0.21 kg

MultiZero Nipple / Layout and usage

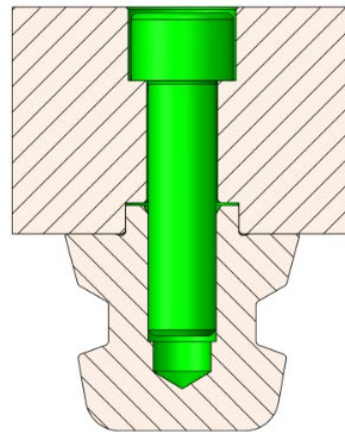
LAYOUT AND USAGE OF MULTIZERO NIPPLES



MultiZero Nipple / Male and female nipple differentiation



MALE

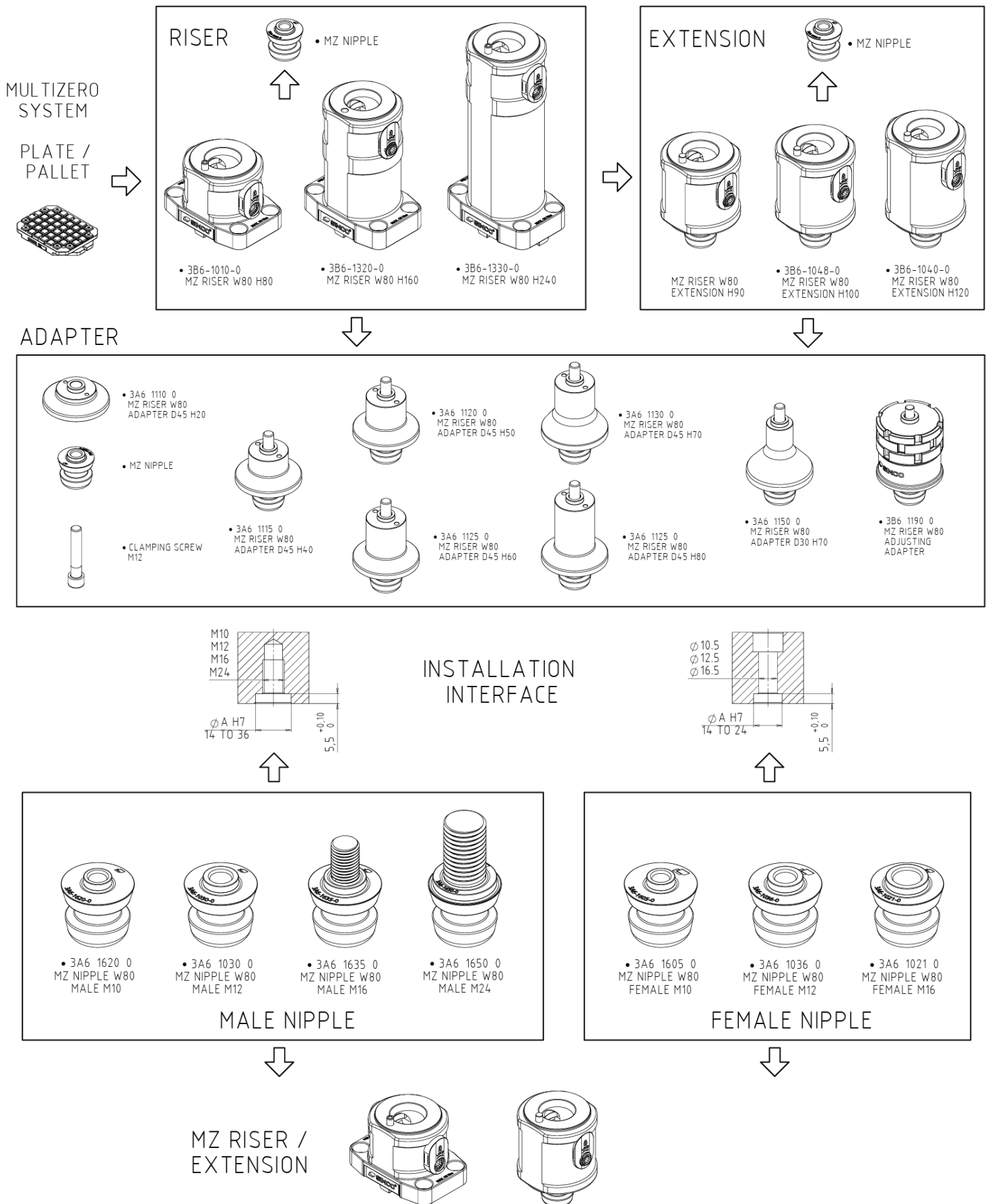


FEMALE

IMPORTANT NOTES

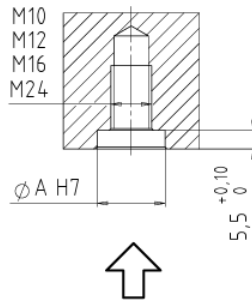
1. NIPPLE TYPE C MUST ALWAYS BE PLACED AT CLAMPING AREA THAT IS POSITIONED AT MAXIMUM DISTANCE FROM NIPPLE TYPE A.
2. NIPPLE TYPE C MAY DEVIATE IN PRE-ORIENTATION ALIGNMENT BY $\pm 5^\circ$.
3. CUSTOMER WORKPIECE OR THE PALLET USED MUST HAVE PRESCRIBED FLATNESS ACCORDING TO PLATE SIZE RANGE:
 - 0-700, FLATNESS: 0.02
 - 700-1300, FLATNESS: 0.04
 - 1300-2000, FLATNESS: 0.05.
4. EXPECTED POSITIONING TOLERANCE FOR PLATE SIZE RANGE:
 - 0-700, TOLERANCE: ± 0.015
 - 700-1300, TOLERANCE: ± 0.020
 - 1300-2000, TOLERANCE: ± 0.025 .

MultiZero Riser / Product Family & Installation Interface



Installation Interface

INSTALLATION INTERFACE



MALE

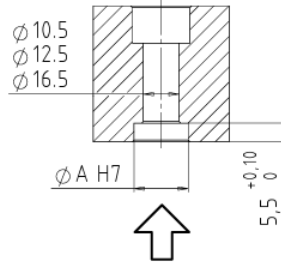
MZ Nipple W80 Male M10		
Type	Part number	A
A	3A6-1620-0	$\phi 16,00$
B	3A6-1625-0	
C	3A6-1630-0	
A	3A6-1621-0	$\phi 14,00$
B	3A6-1626-0	
C	3A6-1631-0	

MZ Nipple W80 Male M12		
Type	Part number	A
A	3A6-1030-0	$\phi 20,00$
B	3A6-1031-0	
C	3A6-1032-0	
A	3A6-1033-0	$\phi 18,00$
B	3A6-1034-0	
C	3A6-1035-0	

MZ Nipple W80 Male M16		
Type	Part number	A
A	3A6-1635-0	$\phi 24,00$
B	3A6-1640-0	
C	3A6-1645-0	
A	3A6-1036-0	$\phi 22,00$
B	3A6-1641-0	
C	3A6-1646-0	

MZ Nipple W80 Male M24		
Type	Part number	A
A	3A6-1650-0	$\phi 36,00$
B	3A6-1655-0	
C	3A6-1660-0	
A	3A6-1651-0	$\phi 34,00$
B	3A6-1656-0	
C	3A6-1661-0	

INSTALLATION INTERFACE



FEMALE

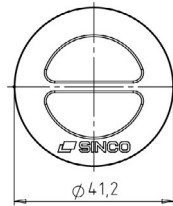
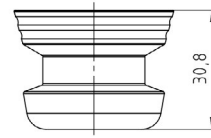
MZ Nipple W80 Female M10		
Type	Part number	A
A	3A6-1605-0	$\phi 16,00$
B	3A6-1610-0	
C	3A6-1615-0	
A	3A6-1606-0	$\phi 14,00$
B	3A6-1611-0	
C	3A6-1616-0	

MZ Nipple W80 Female M12		
Type	Part number	A
A	3A6-1036-0	$\phi 20,00$
B	3A6-1037-0	
C	3A6-1038-0	
A	3A6-1670-0	$\phi 18,00$
B	3A6-1675-0	
C	3A6-1680-0	

MZ Nipple W80 Female M16		
Type	Part number	A
A	3A6-1021-0	$\phi 24,00$
B	3A6-1022-0	
C	3A6-1023-0	
A	3A6-1024-0	$\phi 22,00$
B	3A6-1025-0	
C	3A6-1026-0	

MultiZero Riser W80 Cover

The MultiZero Riser W80 Cover is designed to replicate the shape of the MultiZero Riser W80 Nipple and serves as a protective element when the riser is not in use. By covering the riser's core and mechanism, it effectively prevents dirt, chips, and other contaminants from entering, reducing the risk of damage and ensuring the long-term durability and reliable performance of the device.



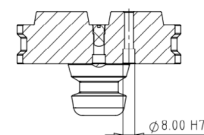
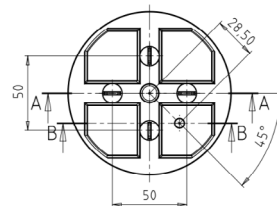
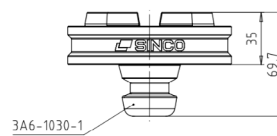
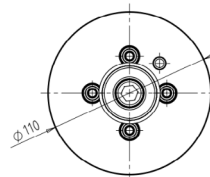
ISOMETRIC VIEW

Product	Product no.	ϕ (A)	Weight (g)
MultiZero Riser W80 Cover	3A6-1035-0	41.0 mm	62.5 g

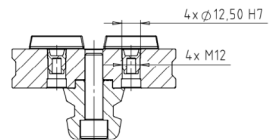
MultiZero Riser Pallets

MultiZero Riser Pallets are compact, round versions of standard MultiZero pallets designed for mounting on MultiZero Riser units. Workpieces can be clamped directly on the pallets or secured using additional MultiZero workholding components such as vises, clamps, or rails. They can be used individually for smaller parts or combined across multiple risers on a MultiZero Base Plate to provide a flexible clamping solution for larger workpieces.

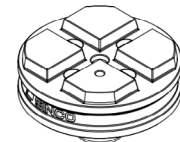
MultiZero Riser Pallet



SECTION B-B



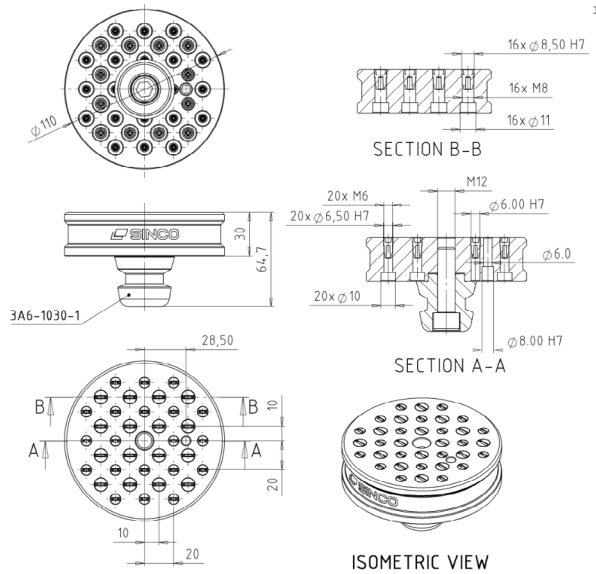
SECTION A-A



ISOMETRIC VIEW

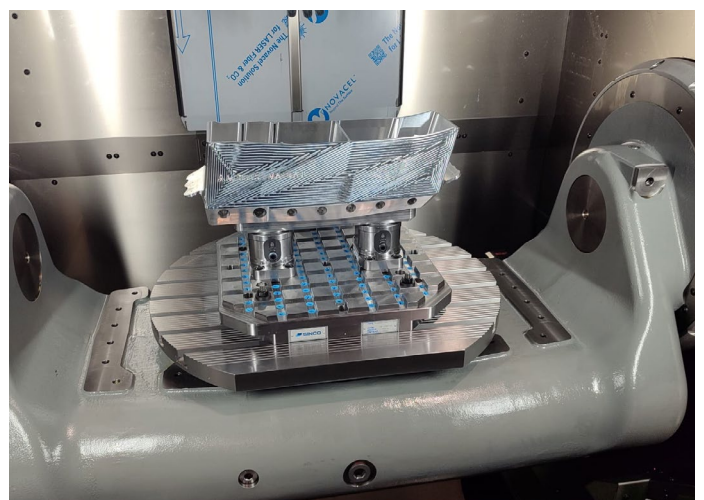
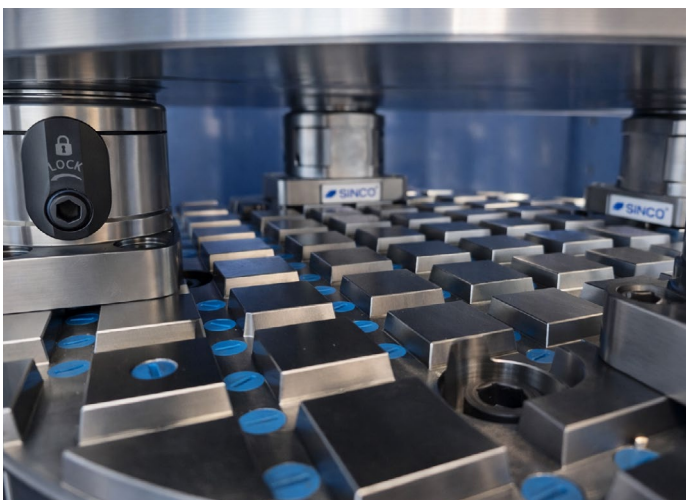
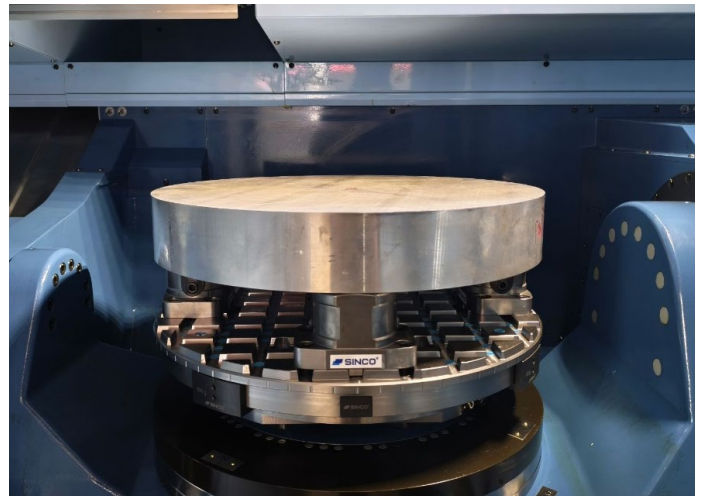
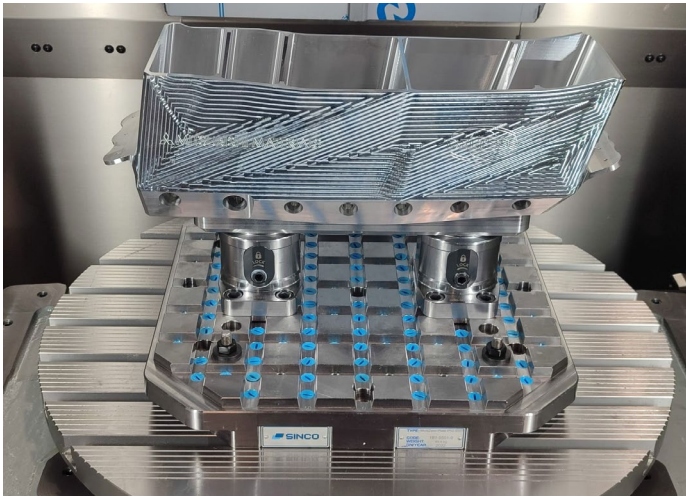
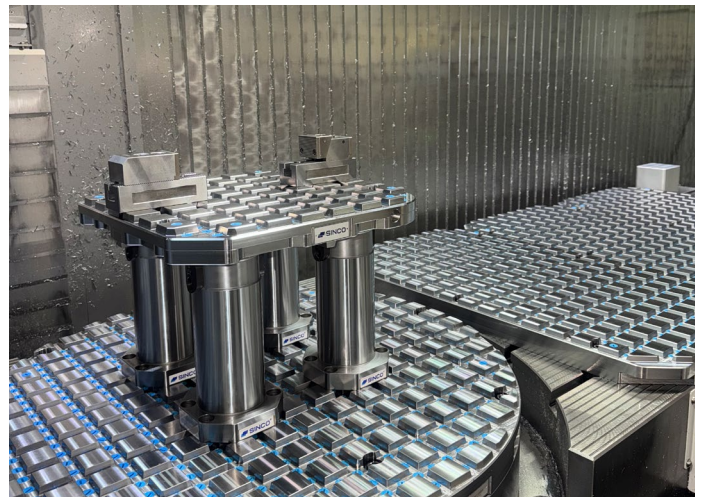
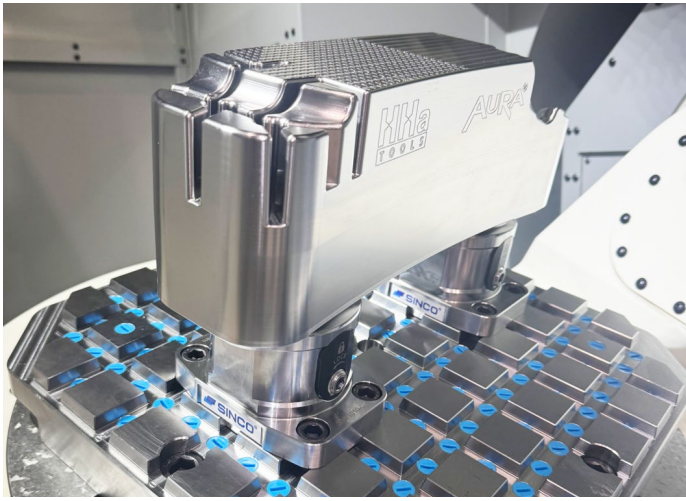
Product	Product no.	ϕ (A)	Height (mm)	Zero points	Thread holes M12	Weight (kg)
MultiZero Riser Pallet D110	5B2-2565-0	110.0 mm	35.0 mm	1x	4x	2.30 kg

MultiZero Riser Fix Pallet




Product	Product no.	Ø (A)	Height (mm)	Thread holes M8	Thread holes M6	Weight (kg)
MultiZero Riser Fix Pallet D110	5B2-2525-0	110.0 mm	30.0 mm	16x	20x	1.95 kg

Applications



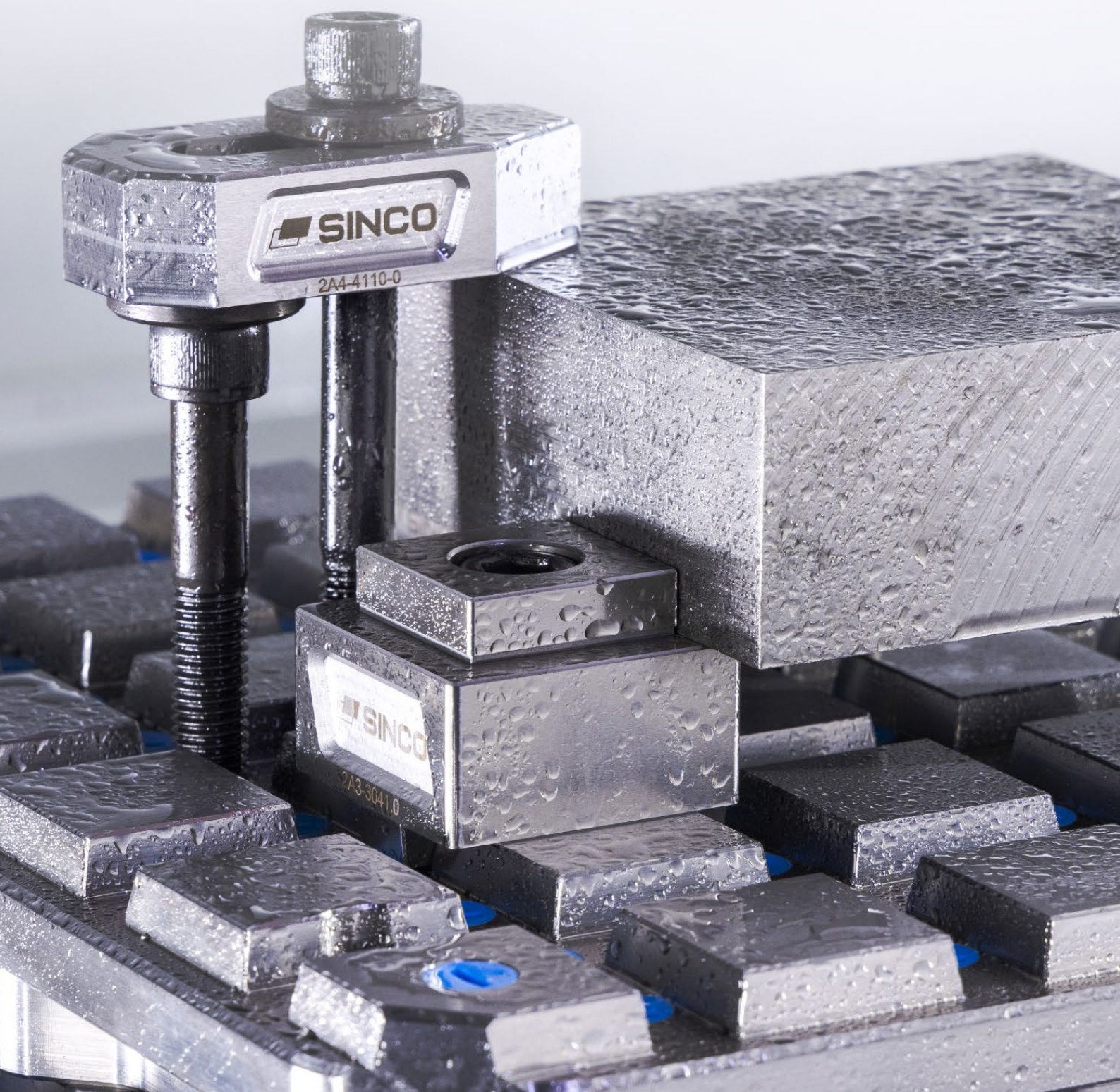


 SINCO®

 SINCO®

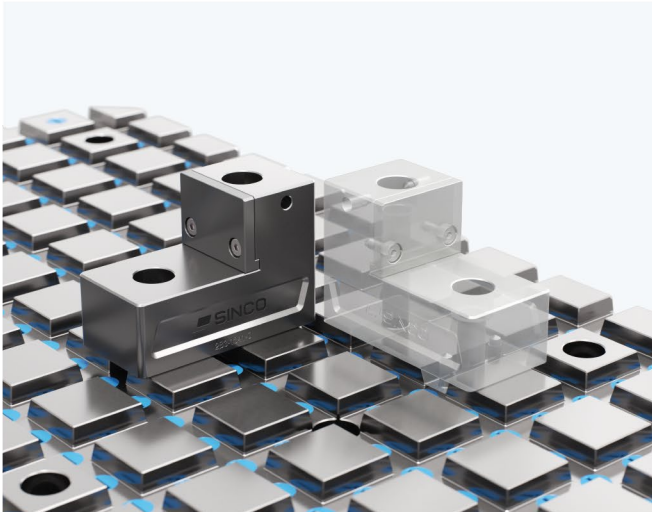
MultiZero Support Elements

The MultiZero Support Elements enhance stability, reduce vibration, and ensure precise positioning during machining. Their modular design adapts to changing production needs, supports large and complex workpieces, and enables reliable positioning and centering even with standard clamping.



Benefits and Advantages

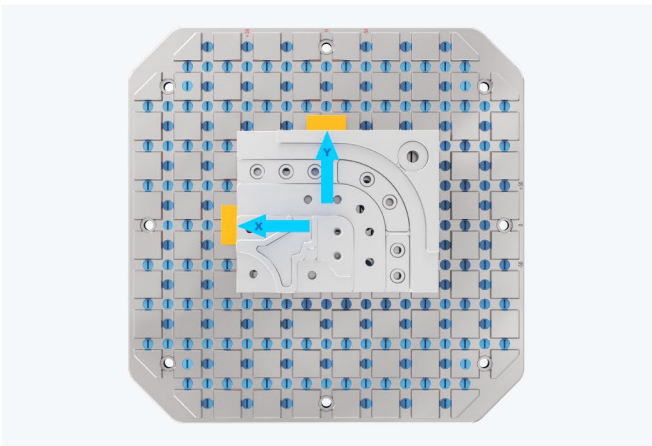
Adapt, expand and clamp any size or shape of the workpiece



Modular positioning

Simple rotation of support elements in 90°, 180°, or 270° degree angles

All support elements have a conical slot rail at the bottom of the fixture, which enables it to move precisely in a 50mm array across the base plate and be easily rotated by 90°, 180°, or 270° to support the workpiece in the required direction.



Workpiece self-centering

Locking of X and Y axes for workpiece positioning and repeatability

By positioning two support elements on the base plate, one locking the X-axis and the other locking the Y-axis—the workpiece can be placed on the base plate and automatically self-centered. This allows the customer to save time on centering the workpiece and enables the repeatable positioning of multiple workpieces in the same location, eliminating the need to repeatedly take a zero-point reference for each newly clamped workpiece.



Workpiece support

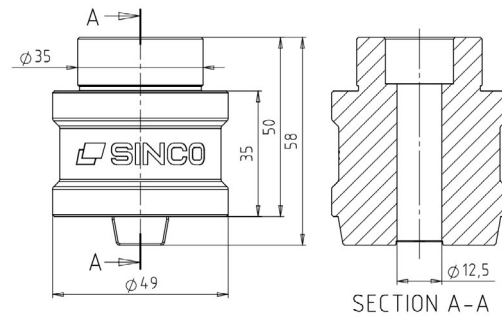
Standardized support heights at 25, 35 and 50mm for both rectangular and round parts

The extensive portfolio of MultiZero Support Elements enables workpiece support for rectangular and round workpiece shapes. With three standardized heights—25, 35, and 50mm—support can be placed either below the workpiece to improve stability and reduce vibration or on the side of the workpiece for additional stability and centering.

MultiZero Cylindrical Support

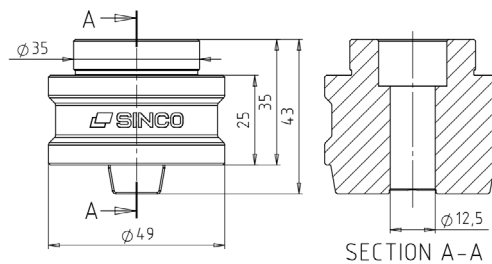
MultiZero Cylindrical Supports provide stable and precise support for workpieces during machining, improving accuracy and minimizing movement. Their cylindrical design is ideal for round components and ensures proper centering when used alongside other clamping elements. They can also function as risers to elevate pallets or workpieces for improved tool access. Selected versions offer two height options, enabling flexible setup configurations for various machining requirements.

MultiZero Cylindrical Support D50 H50



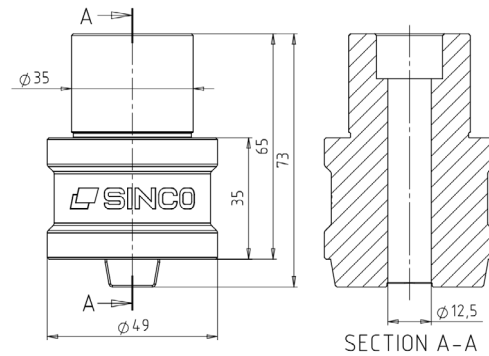
Product no.	Lower support height (mm)	Upper support height (mm)	Ø (A)	Ø (B)	Weight (kg)
1A3-2035-0	35.0 mm	50.0 mm	49.0 mm	35.0 mm	0.56 kg

MultiZero Cylindrical Support D50 H35



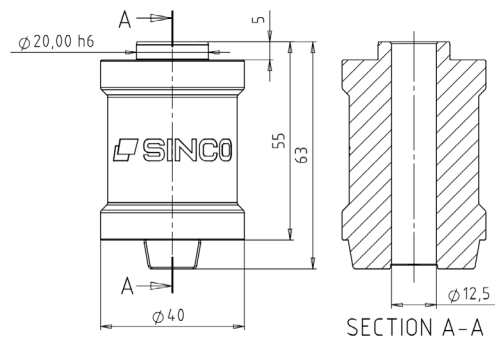
Product no.	Lower support height (mm)	Upper support height (mm)	Ø (A)	Ø (B)	Weight (kg)
1A3-2040-0	25.0 mm	35.0 mm	49.0 mm	35.0 mm	0.40 kg

MultiZero Cylindrical Support D50 H65



Product no.	Lower support height (mm)	Upper support height (mm)	Ø (A)	Ø (B)	Weight (kg)
1A3-2050-0	35.0 mm	65.0 mm	49.0 mm	35.0 mm	0.66 kg

MultiZero Cylindrical Support D40 H50 D20

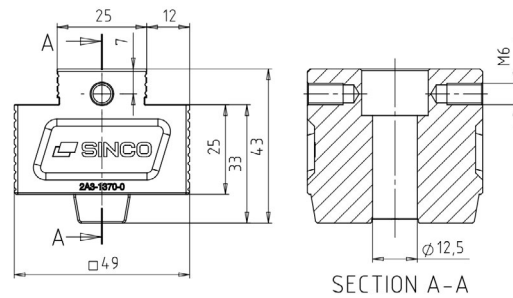


Product no.	Support height (mm)	Ø (A)	Ø (B)	Weight (kg)
1A3-2045-0	50.0 mm	40.0 mm	20.0 mm	0.41 kg

MultiZero Support

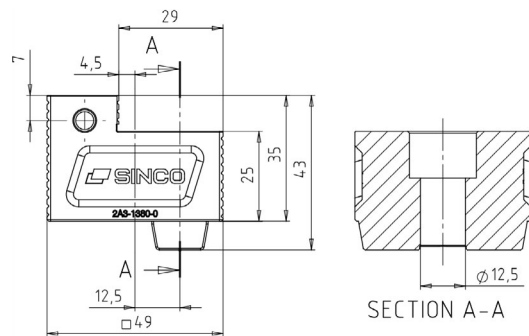
MultiZero Supports are rectangular clamping elements designed to function as both a stopper for workpiece centering and a support to reduce vibrations during machining. Available in various shapes and support heights, these supports can be quickly and easily positioned and moved across the base plate using the conical slots of the MultiZero Clamping System. Their versatility makes them ideal for supporting a wide range of workpiece sizes and shapes, enhancing stability and machining precision.

MultiZero Support W50 L50C H35 (Centric)



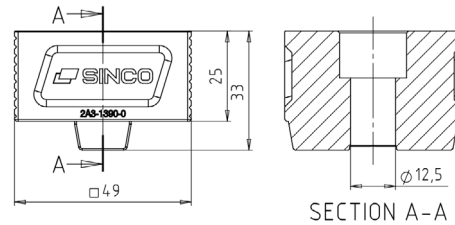
Product no.	Lower support height (mm)	Upper support height (mm)	Weight (kg)
2A3-1370-0	25.0 mm	35.0 mm	0.56 kg

MultiZero Support W50 L50E H35 (E-centric)



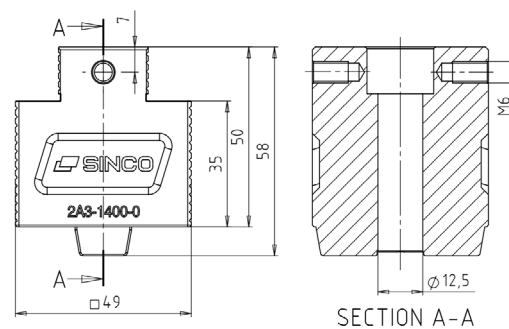
Product no.	Lower support height (mm)	Upper support height (mm)	Weight (kg)
2A3-1380-0	25.0 mm	35.0 mm	0.51 kg

MultiZero Support W50 L50C H25 (Centric)



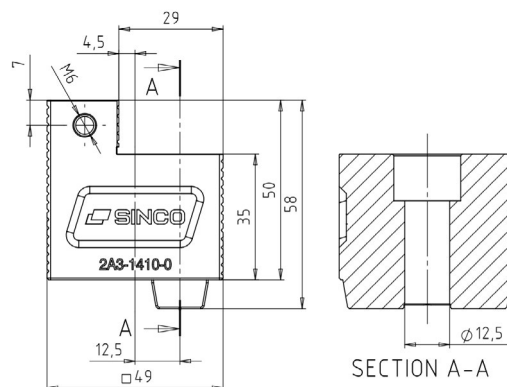
Product no.	Lower support height (mm)	Weight (kg)
2A3-1390-0	25.0 mm	0.44 kg

MultiZero Support W50 L50C H50 (Centric)



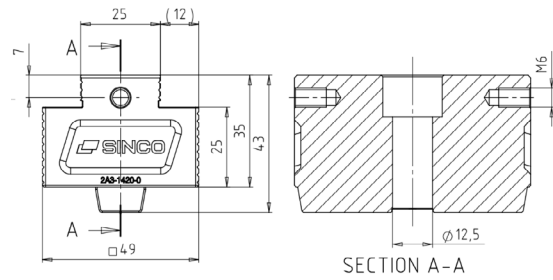
Product no.	Lower support height (mm)	Upper support height (mm)	Weight (kg)
2A3-1400-0	30.0 mm	50.0 mm	0.74 kg

MultiZero Support W50 L50E H50 (E-centric)



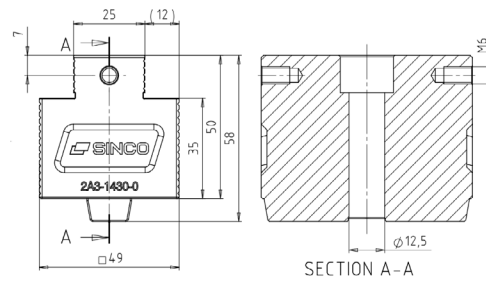
Product no.	Lower support height (mm)	Upper support height (mm)	Weight (kg)
2A3-1410-0	35.0 mm	50.0 mm	0.73 kg

MultiZero Support W50 L75C H35 (Centric)



Product no.	Lower support height (mm)	Upper support height (mm)	Weight (kg)
2A3-1420-0	25.0 mm	35.0 mm	0.83 kg

MultiZero Support W50 L75C H50 (Centric)

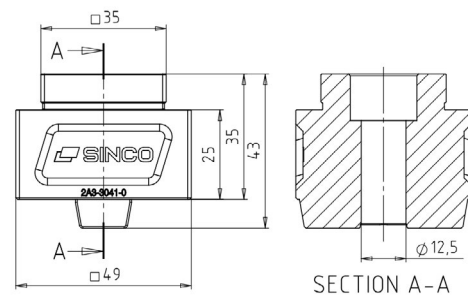
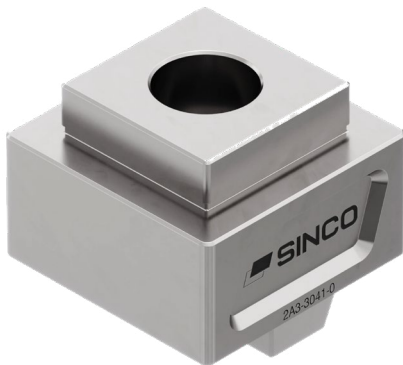


Product no.	Lower support height (mm)	Upper support height (mm)	Weight (kg)
2A3-1430-0	35.0 mm	50.0 mm	1.17 kg

MultiZero Holders

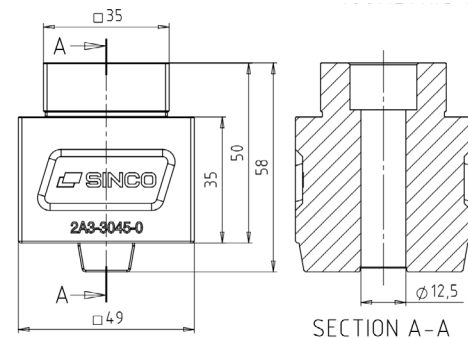
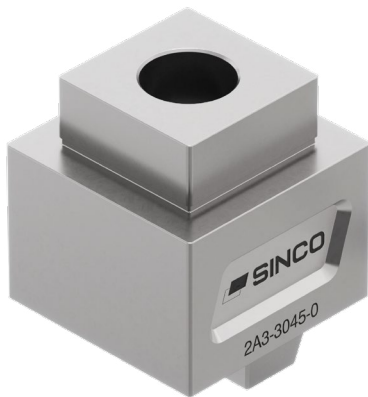
MultiZero Holders are rectangular clamping elements designed to support the workpiece from the all four (4) sides of the element, either as a stopper for workpiece centering or a support to reduce vibrations during machining. Available in various shapes and support heights, these holders can be quickly and easily positioned and moved across the base plate using the conical slots of the MultiZero Clamping System. Their versatility makes them ideal for supporting a wide range of workpiece sizes and shapes, enhancing stability and machining precision.

MultiZero Holder W50 H35



Product no.	Lower support height (mm)	Upper support height (mm)	Weight (kg)
2A3-3041-0	25.0 mm	35.0 mm	0.54 kg

MultiZero Holder W50 H50

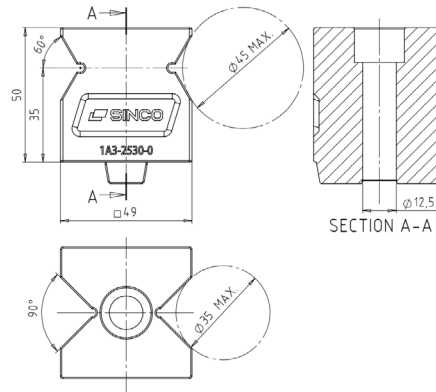


Product no.	Lower support height (mm)	Upper support height (mm)	Weight (kg)
2A3-3045-0	35.0 mm	50.0 mm	0.75 kg

MultiZero Prismatic Supports

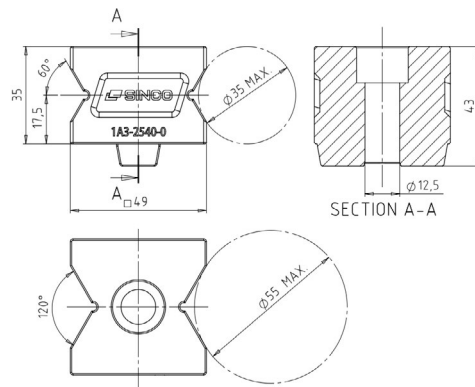
MultiZero Prismatic Supports are essential support elements designed to stabilize round workpieces during machining, minimizing vibrations and ensuring greater overall stability. They come in a variety of sizes and configurations, including upper, side, and diagonal support options, allowing for flexible adaptation to different workpiece geometries. Multiple prismatic supports can be combined to provide enhanced stability for larger or irregularly shaped round workpieces, making them an ideal solution for improving machining precision and reducing potential deflection during the process.

MultiZero Prismatic Support H W50 H50 90



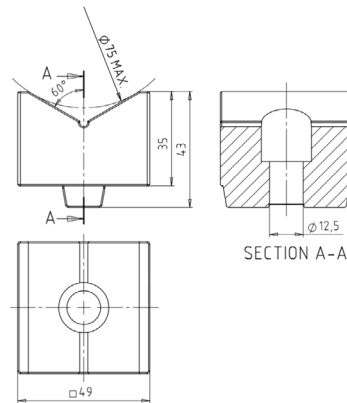
Product no.	Support sides	Width (mm)	Support position	Max. workpiece D1	Max. workpiece D2	Weight (kg)
1A3-2530-0	2x	50.0 mm	Side	Ø45.0 mm	Ø35.0 mm	0.66 kg

MultiZero Prismatic Support H W50 H35 120



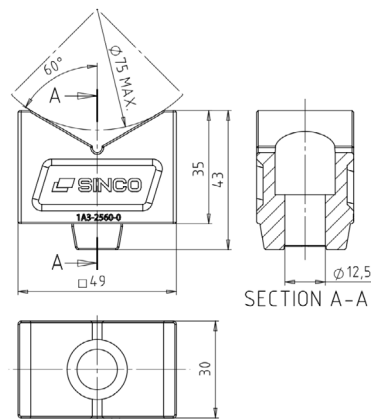
Product no.	Support sides	Width (mm)	Support position	Max. workpiece D1	Max. workpiece D2	Weight (kg)
1A3-2540-0	2x	50.0 mm	Side	Ø35.0 mm	Ø55.0 mm	0.47 kg

MultiZero Prismatic Support V W50 H35 120



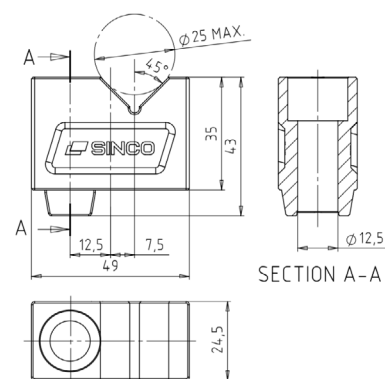
Product no.	Support height (mm)	Width (mm)	Support position	Max. workpiece diameter	Weight (kg)
1A3-2520-0	35.0 mm	50.0 mm	Up	Ø75.0 mm	0.51 kg

MultiZero Prismatic Support V W30 H35 120



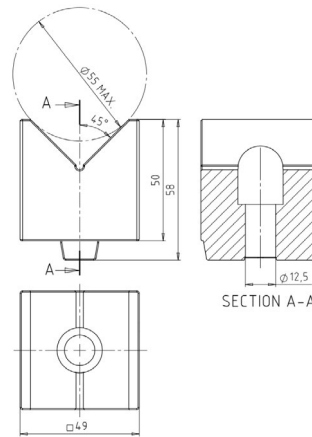
Product no.	Support height (mm)	Width (mm)	Support position	Max. workpiece diameter	Weight (kg)
1A3-2560-0	35.0 mm	30.0 mm	Up	Ø75.0 mm	0.30 kg

MultiZero Prismatic Support V W25 H35 90



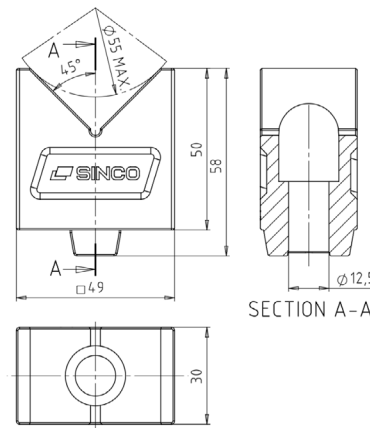
Product no.	Support height (mm)	Width (mm)	Support position	Max. workpiece diameter	Weight (kg)
1A3-2505-0	35.0 mm	25.0 mm	Up	Ø25.0 mm	0.25 kg

MultiZero Prismatic Support V W50 H50 90



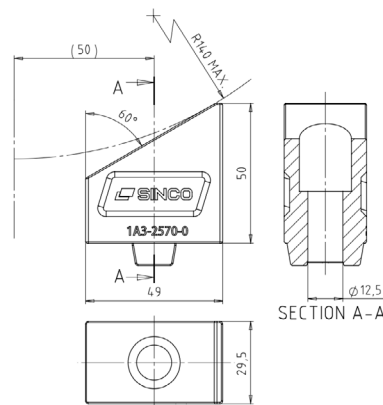
Product no.	Support height (mm)	Width (mm)	Support position	Max. workpiece diameter	Weight (kg)
1A3-2510-0	50.0 mm	50.0 mm	Up	Ø55.0 mm	0.65 kg

MultiZero Prismatic Support V W30 H50 90



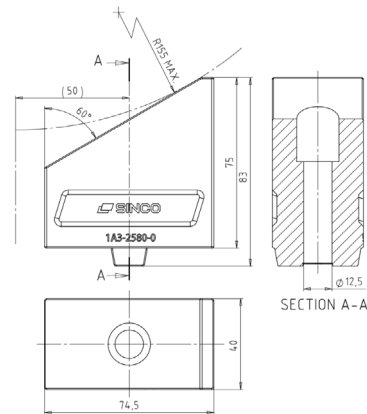
Product no.	Support height (mm)	Width (mm)	Support position	Max. workpiece diameter	Weight (kg)
1A3-2550-0	30.0 mm	50.0 mm	Up	Ø55.0 mm	0.39 kg

MultiZero Prismatic Support V W30 L50 120



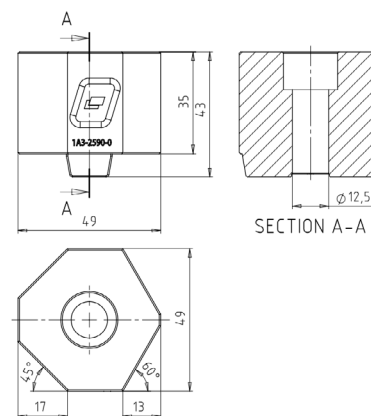
Product no.	Support height (mm)	Width (mm)	Support position	Max. workpiece diameter	Weight (kg)
1A3-2570-0	50.0 mm	30.0 mm	Diagonal	Ø140.0 mm	0.40 kg

MultiZero Prismatic Support V W40 L75 120



Product no.	Support height (mm)	Width (mm)	Support position	Max. workpiece diameter	Weight (kg)
1A3-2580-0	75.0 mm	40.0 mm	Diagonal	Ø155.0 mm	0.62 kg

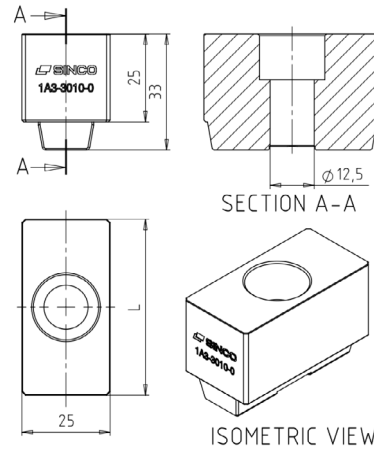
MultiZero Prismatic Support H W50 H35



Product no.	Support sides	Width (mm)	Support position	Weight (kg)
1A3-2590-0	7x	50.0 mm	Side	0.36 kg

MultiZero Stopper Rails

The MultiZero Stopper Rail is a support element designed to reduce vibration and prevent workpiece deflection during machining. With a height of 25mm, it aligns perfectly with MultiZero Rails and other MultiZero clamping elements, providing stable support underneath the clamped workpiece for precise and reliable machining operations. Available in various lengths, it offers flexibility for different machining needs, from smaller rails that create more space underneath for drilling through the workpiece to larger rails that provide additional support.

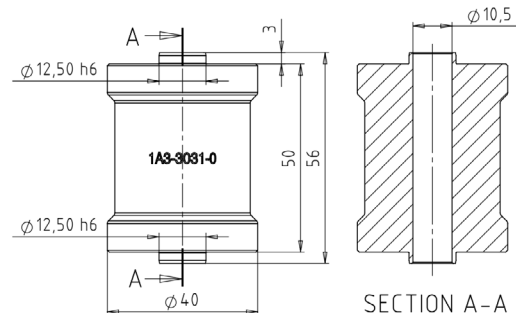


Product	Product no.	Height (mm)	Length (mm)	Width (mm)	Weight (kg)
MultiZero Stopper Rail L25 H25	1A3-3000-0	25.0 mm	25.0 mm	25.0 mm	0.10 kg
MultiZero Stopper Rail L35 H25	1A3-3005-0	25.0 mm	35.0 mm	25.0 mm	0.15 kg
MultiZero Stopper Rail L50 H25	1A3-3010-0	25.0 mm	50.0 mm	25.0 mm	0.24 kg
MultiZero Stopper Rail L75 H25	1A3-3015-0	25.0 mm	75.0 mm	25.0 mm	0.38 kg
MultiZero Stopper Rail L100 H25	1A3-3020-0	25.0 mm	100.0 mm	25.0 mm	0.47 kg

MultiZero Clamp Support

The MultiZero Clamp Support is a 50 mm support element used with the MultiZero Clamp Pallet. It locates on the pallet via H7 holes and connects to the workpiece through predefined technological holes. Two versions are available:

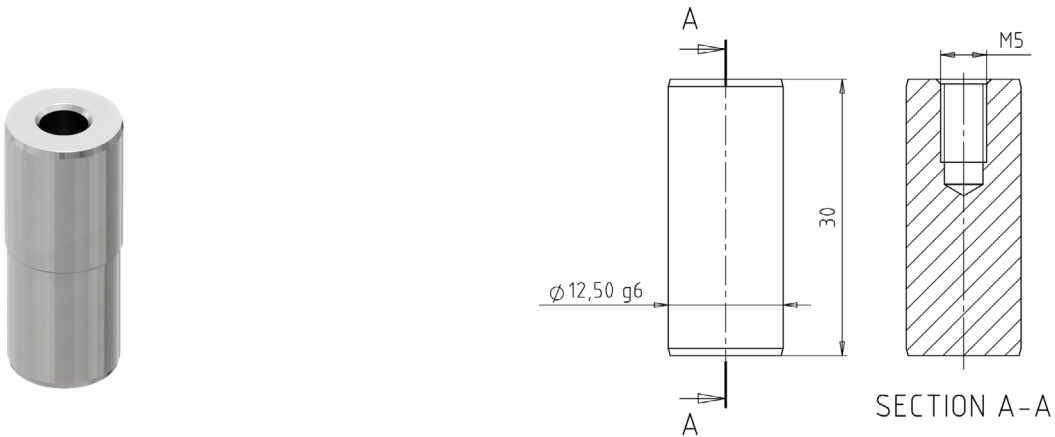
- MultiZero Clamp Support** – the workpiece is clamped from the underside of the pallet using M10 screws passing through the pallet and support into the workpiece.
- MultiZero Clamp Support Threaded** – the workpiece is clamped using M12 screws passing through the workpiece into threaded holes in the support.



Product	Product no.	Height (mm)	Ø (A)	Weight (kg)
MultiZero Clamp Support D40 H50	1A3-3031-0	50.0 mm	40.0 mm	0.40 kg
MultiZero Clamp Support Threaded D40 H50	1A3-3032-0	50.0 mm	40.0 mm	0.40 kg

MultiZero Centering Pins

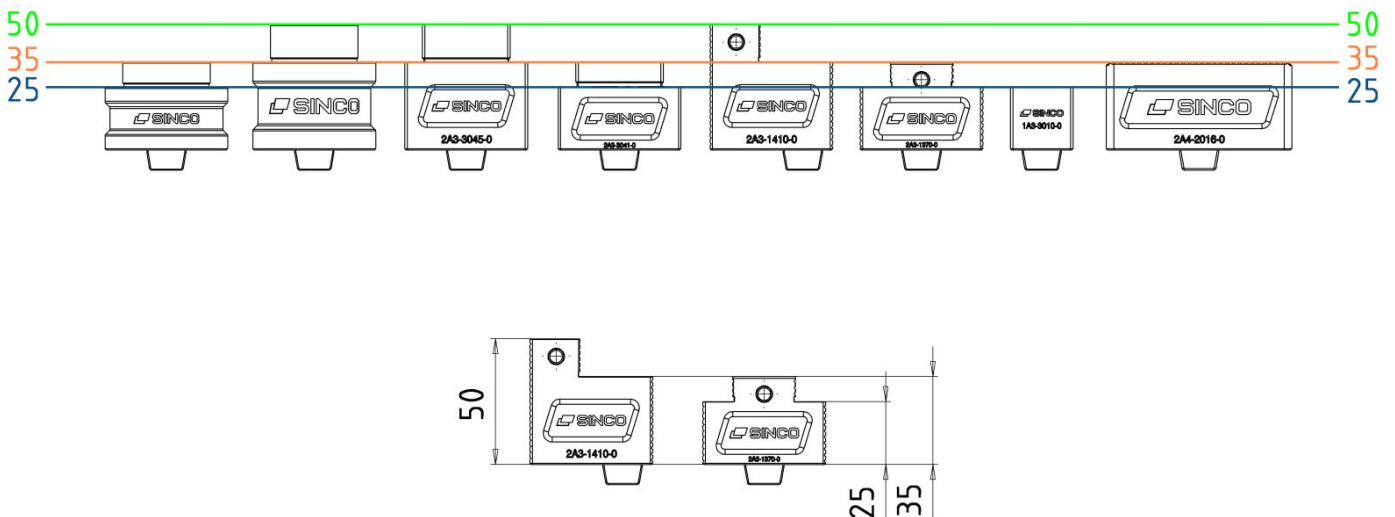
MultiZero Centering Pins are designed for precise workpiece positioning on the MultiZero Base Plate or Pallets. They offer two usage options: first, by attaching the pins to the underside of the workpiece and aligning them with H7 holes on the base plate or pallet (at least two pins needed); or second, by positioning the pins directly into the H7 holes on the base plate or pallet and using them as stopper elements to center the workpiece. These versatile pins ensure accurate alignment for a variety of workholding setups.



Product	Product no.	Height (mm)	Ø (A)	Extraction thread	Weight (g)
MultiZero Centering Pin D12,5 L20	2A7-5505-0	20.0 mm	12,5 mm	M5	17 g
MultiZero Centering Pin D12,5 L30	2A7-5510-0	30.0 mm	12,5 mm	M5	25 g

MultiZero three reference heights

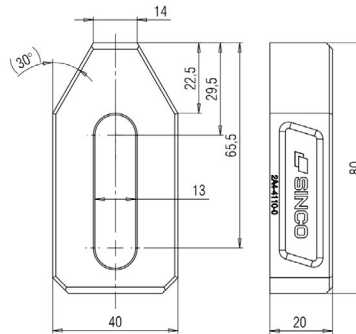
All MultiZero Support Elements and Rails are available in three standardized reference heights. This ensures full compatibility across the system.



MultiZero Clamps

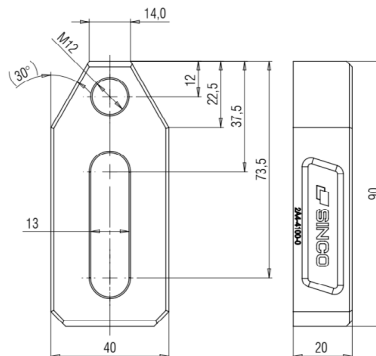
MultiZero Clamps come in various shapes, dimensions, and functions, designed to securely hold challenging workpieces on the MultiZero Clamping System. They can be easily combined with other MultiZero workholding elements for support of the workpiece, such as MultiZero Supports, Holders, and Stopper Rails, to provide comprehensive and stable clamping solutions for a wide range of workpieces.

MultiZero Clamp Type 1



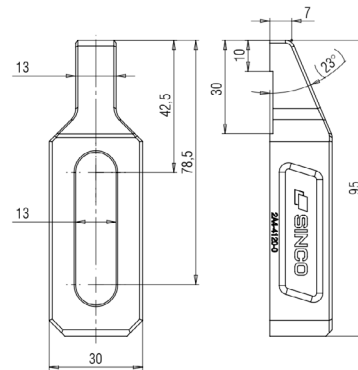
Product no.	Clamping width at the clamp tip (mm)	Bolt hole opening center to center (mm)	Weight (kg)
2A4-4110-0	14.0 mm	36.0 mm	0.34 kg

MultiZero Clamp Type 2



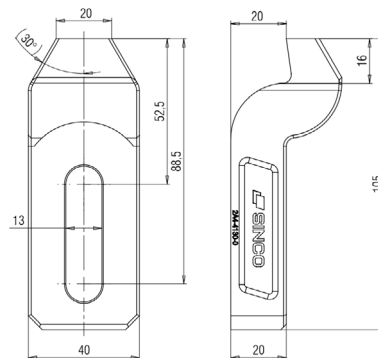
Product no.	Clamping width at the clamp tip (mm)	Bolt hole opening center to center (mm)	Weight (kg)
2A4-4100-0	14.0 mm	36.0 mm	0.38 kg

MultiZero Clamp Type 3



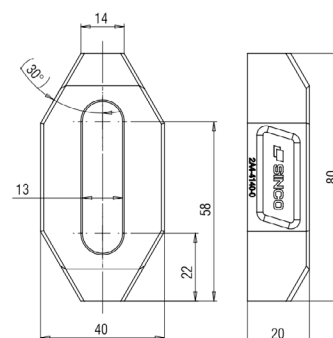
Product no.	Clamping width at the clamp tip (mm)	Bolt hole opening center to center (mm)	Weight (kg)
2A4-4120-0	13.0 mm	36.0 mm	0.23 kg

MultiZero Clamp Type 4



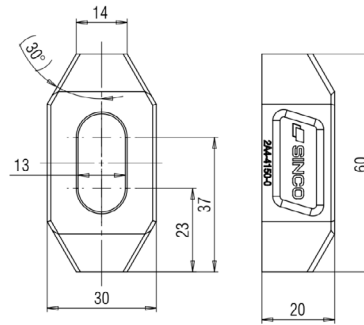
Product no.	Clamping width at the clamp tip (mm)	Bolt hole opening center to center (mm)	Weight (kg)
2A4-4130-0	20.0 mm	36.0 mm	0.56 kg

MultiZero Clamp Type 5



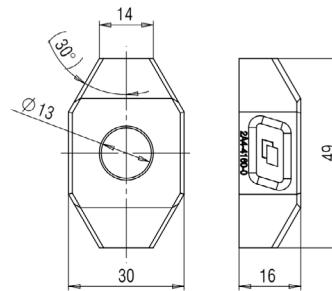
Product no.	Clamping width at the clamp tip (mm)	Bolt hole opening center to center (mm)	Weight (kg)
2A4-4140-0	14.0 mm	36.0 mm	0.29 kg

MultiZero Clamp Type 6



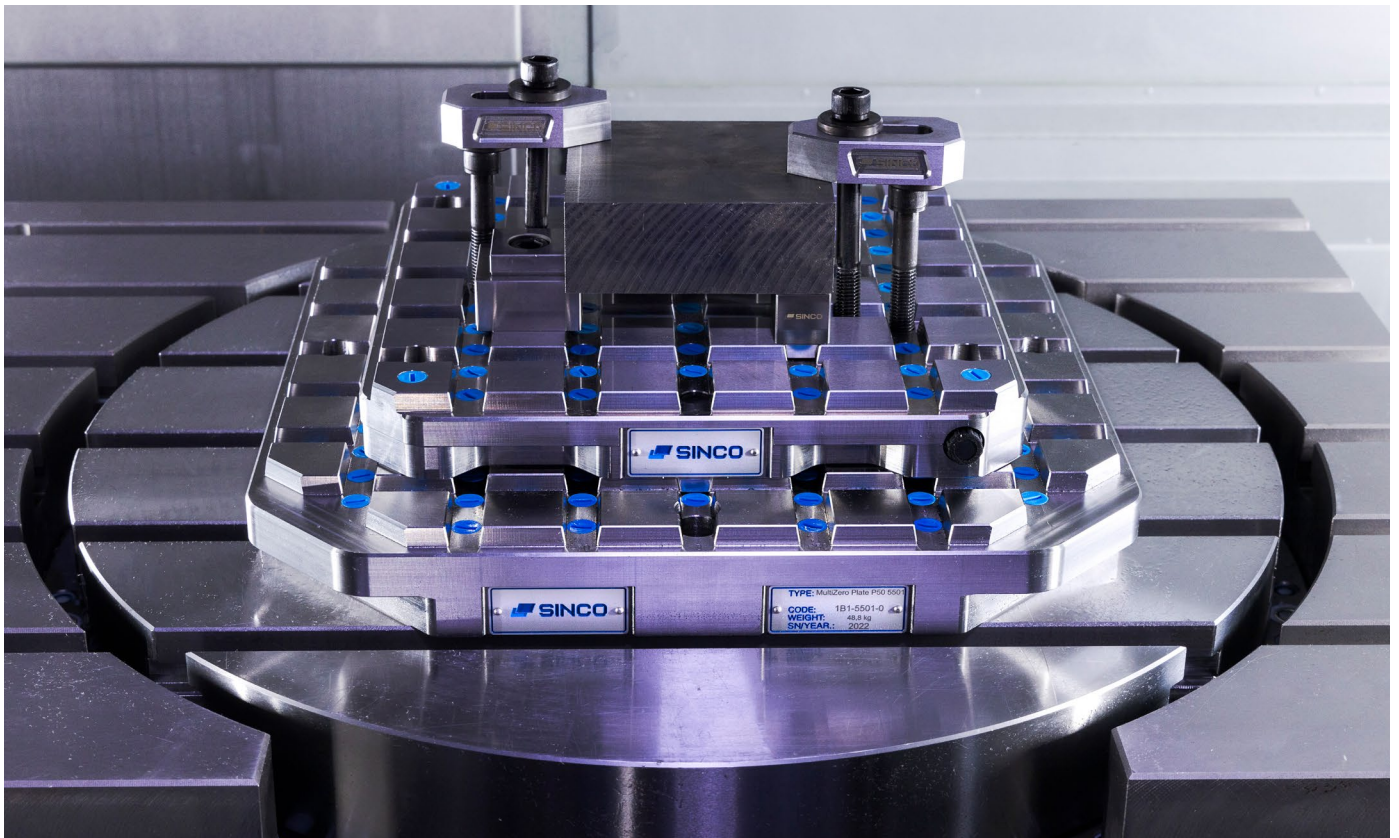
Product no.	Clamping width at the clamp tip (mm)	Bolt hole opening center to center (mm)	Weight (kg)
2A4-4150-0	14.0 mm	14.0 mm	0.18 kg

MultiZero Clamp Type 7



Product no.	Clamping width at the clamp tip (mm)	Bolt hole opening center to center (mm)	Weight (kg)
2A4-4160-0	14.0 mm	Ø13.0 mm	0.13 kg

Applications



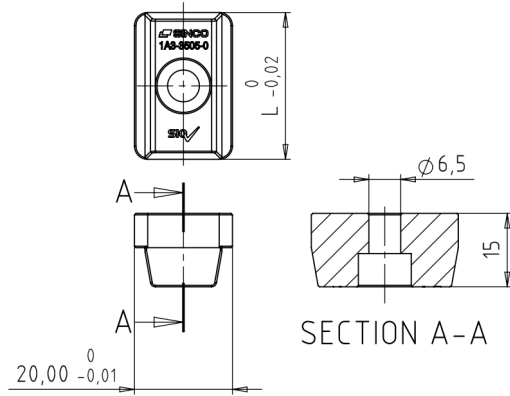
Fixture Integration Elements

MultiZero Slot Rails enable easy integration of existing vises and fixtures into the MultiZero Clamping System, avoiding the need for new equipment. By adding conical slots, traditional clamping devices can be quickly adapted for precise, repeatable zero-point clamping.

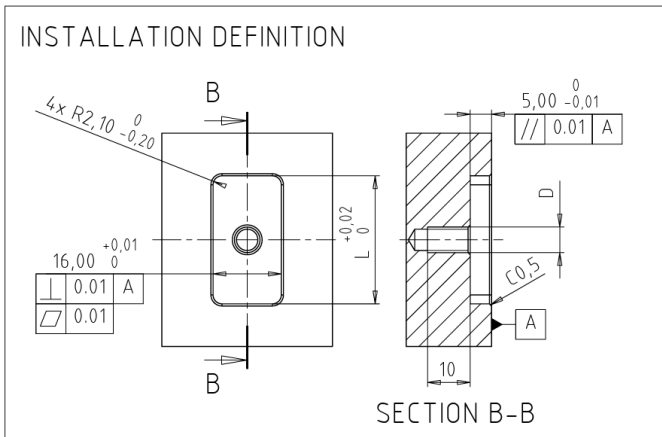


MultiZero Slot Rails

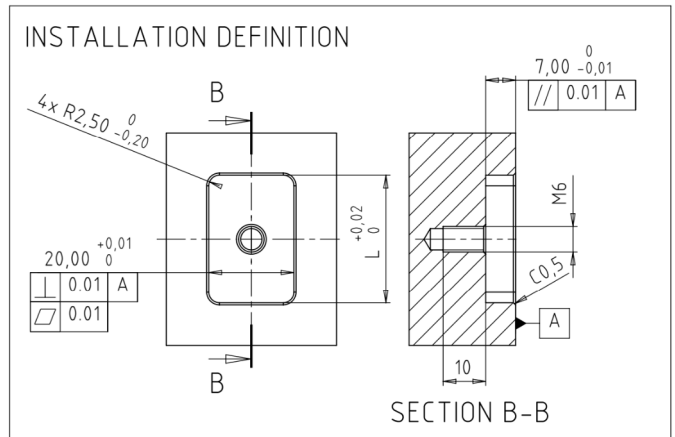
The MultiZero Slot Rail is a conical positioning pillar designed to adapt existing vises, fixtures, and clamping devices, making them compatible with the MultiZero Base Plate. By milling two or four conical slots underneath the device, the MultiZero Slot Rail can be installed, transforming traditional clamping devices into zero-point clamping vises/fixtures in seconds for modularity, precision, repeatability and efficiency.



Product	Product no.	Length (mm)	Width (mm)	Pos. width (mm)	Pos. depth (mm)	Weight (g)
MultiZero Slot Rail W16 L30	1A3-3405-0	30.0 mm	16.0 mm	16,00 g6	5.0 mm	34 g
MultiZero Slot Rail W16 L40	1A3-3410-0	40.0 mm	16.0 mm	16,00 g6	5.0 mm	58 g
MultiZero Slot Rail W20 L30	1A3-3505-0	30.0 mm	20.0 mm	20,00 g6	7.0 mm	47 g
MultiZero Slot Rail W20 L40	1A3-3515-0	40.0 mm	20.0 mm	20,00 g6	7.0 mm	67 g



MultiZero Slot Rail W16



MultiZero Slot Rail W20

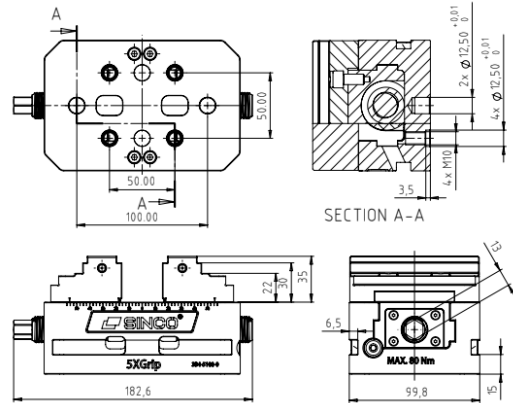
5XGrip Centering Vise

The 5XGrip Centering Vise enables simple and reliable clamping of smaller parts with high clamping force. It features reversible jaws for both fine and rough clamping, along with a sealed spindle that prevents chip ingress. Made from hardened tool steel, it ensures long-term durability and dependable performance.

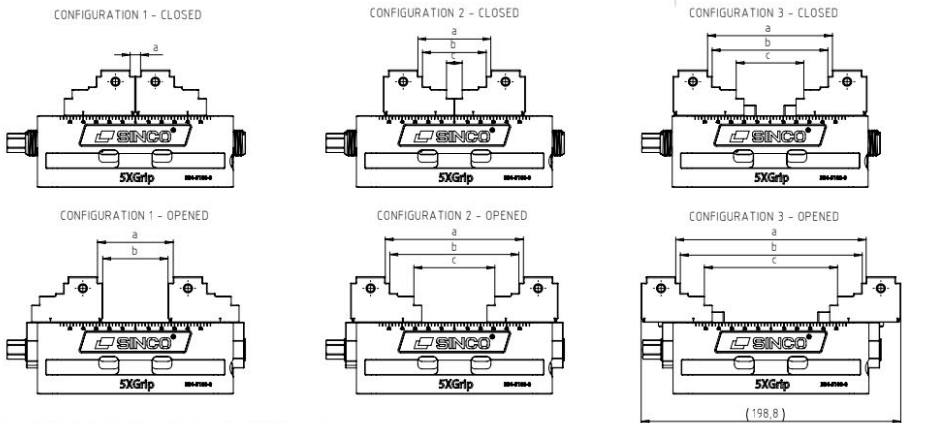


5XGrip Centering Vise

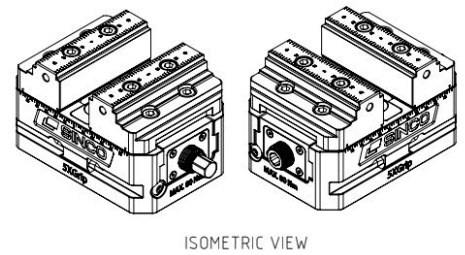
The 5XGrip Centering Vise is engineered for precise workpiece clamping on 5-axis machines, featuring a 100mm jaw width and a 149mm clamping range. Its adjustable, rotatable jaws—available in raw grip for initial setup and smooth for secondary operations—allow for easy adaptation to various workpiece shapes and sizes. The vise's stable, encapsulated spindle system with multiple seals and sealing nuts ensures secure actuation through either a hex nut or fine adjustment with a hex socket. Built from hardened, corrosion-resistant steel with precision-ground surfaces, it offers flexible mounting with four M10 thread holes in a 50x50mm pattern, dowel pin holes along the longitudinal axis, and M6 side-thread holes for workpiece end-stops. Additional underside holes can be drilled for compatibility with different clamping systems, and it comes ready for use with a clamp strap set.



Product no.	Length (mm)	Width (mm)	Height (mm)	Clamping range (mm)	Clamping force (kN)	Torque (Nm)	Weight (kg)
3B4-5100-0	150.0 mm	99.8 mm	90.0 mm	1-145 mm	25 kN	85 Nm	6.55 kg

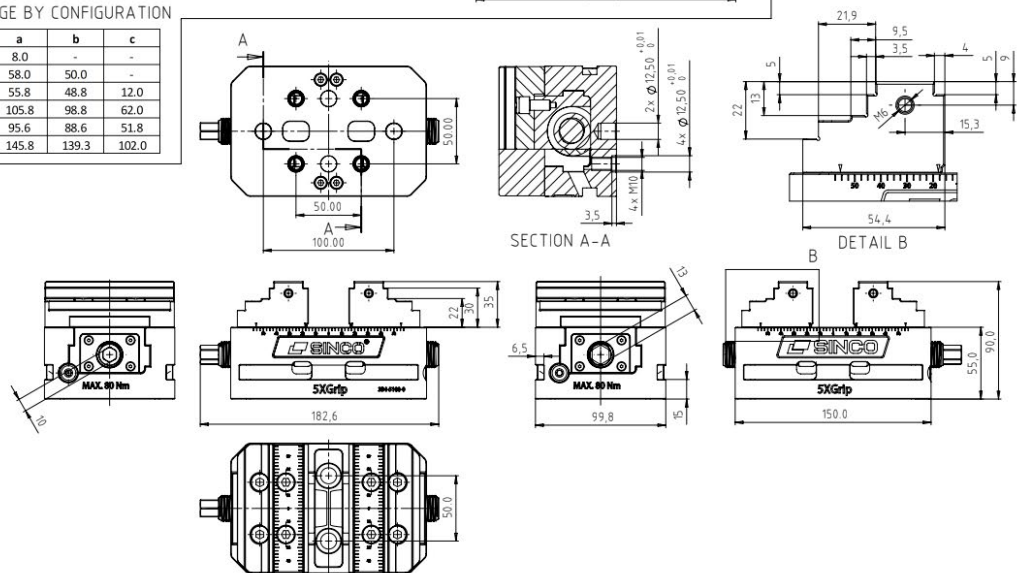


- NOTES:
1. ONLY IMPORTANT DIMENSIONS ARE SHOWN ON THE DRAWING.
 2. ALL GEOMETRY SHOULD CORRESPOND WITH THE CAD MODEL. GENERAL TOLERANCES HAVE TO BE APPLIED TO MISSING DIMENSIONS TAKEN FROM CAD MODEL.
 3. ASSEMBLY MUST BE FREE OF BURR AND IMPERFECTIONS THAT MIGHT AFFECT FIT OR FUNCTION.
 4. CLAMPING FORCE: 25 kN, EXCEPT SEE NOTE 7.
 5. CLAMPING TORQUE: MAX. 85 Nm.
 6. CHECK FUNCTION, OILS AND CLEAN REGULARLY. RECOMMENDED LUBRICANT: MOLYKOTE TP42 OR SIMILAR.
 7. PLEASE NOTE THAT IN CONFIGURATION 1 AND 2 FOUR M8 SCREWS ARE USED TO CLAMP THE JAW, AND THAT IN CONFIGURATION 3 ONLY TWO M8 SCREWS ARE USED. DUE TO THIS IN CONFIGURATION 3 SMALLER CLAMPING FORCE CAN BE EXPECTED.
 8. PARTS LIST DOCUMENT: 3B4-5100-B-P.

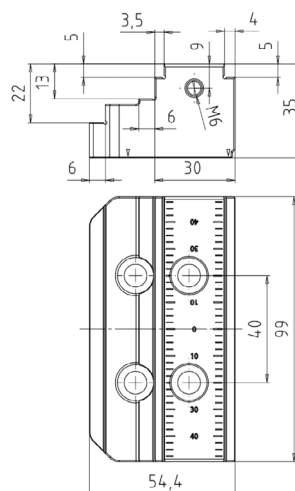


CLAMPING DIMENSION RANGE BY CONFIGURATION

	a	b	c
CONFIGURATION 1 CLOSED	8.0	-	-
CONFIGURATION 1 OPENED	58.0	50.0	-
CONFIGURATION 2 CLOSED	55.8	48.8	12.0
CONFIGURATION 2 OPENED	105.8	98.8	62.0
CONFIGURATION 3 CLOSED	95.6	88.6	51.8
CONFIGURATION 3 OPENED	145.8	139.3	102.0

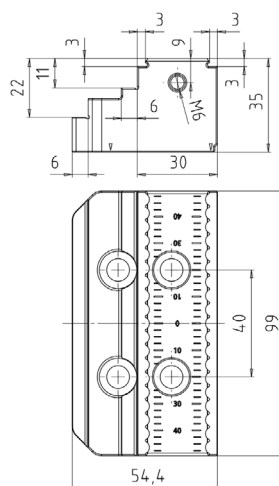


5XGrip Jaw Pad Type A



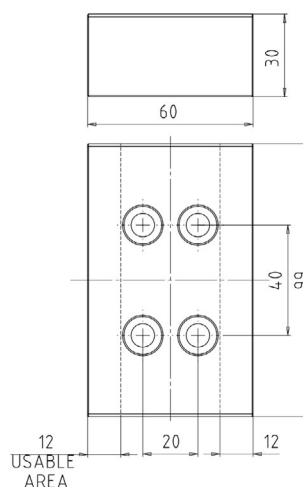
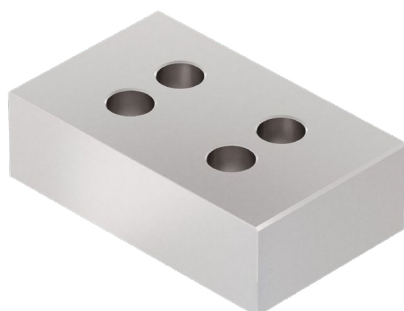
Product	Product no.	Height (mm)	Width (mm)	Clamping step (mm)	Weight (kg)
5XGrip Jaw Type A	3A4-5180-0	35.0 mm	99.0 mm	5.0 mm	0.55 kg

5XGrip Jaw Pad Type B



Product	Product no.	Height (mm)	Width (mm)	Clamping step (mm)	Weight (kg)
5XGrip Jaw Type B	3A4-5185-0	35.0 mm	99.0 mm	3.0 mm	0.56 kg

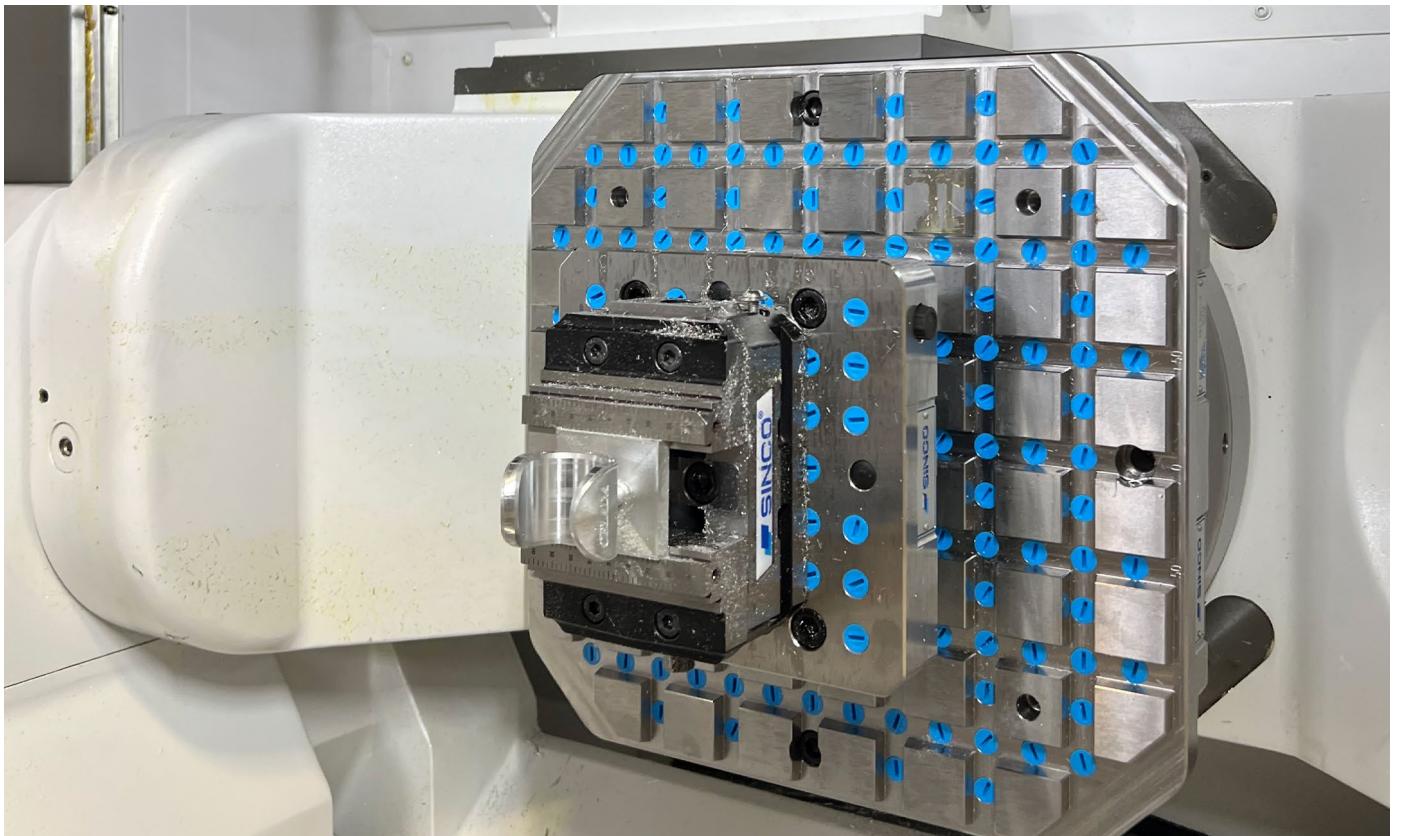
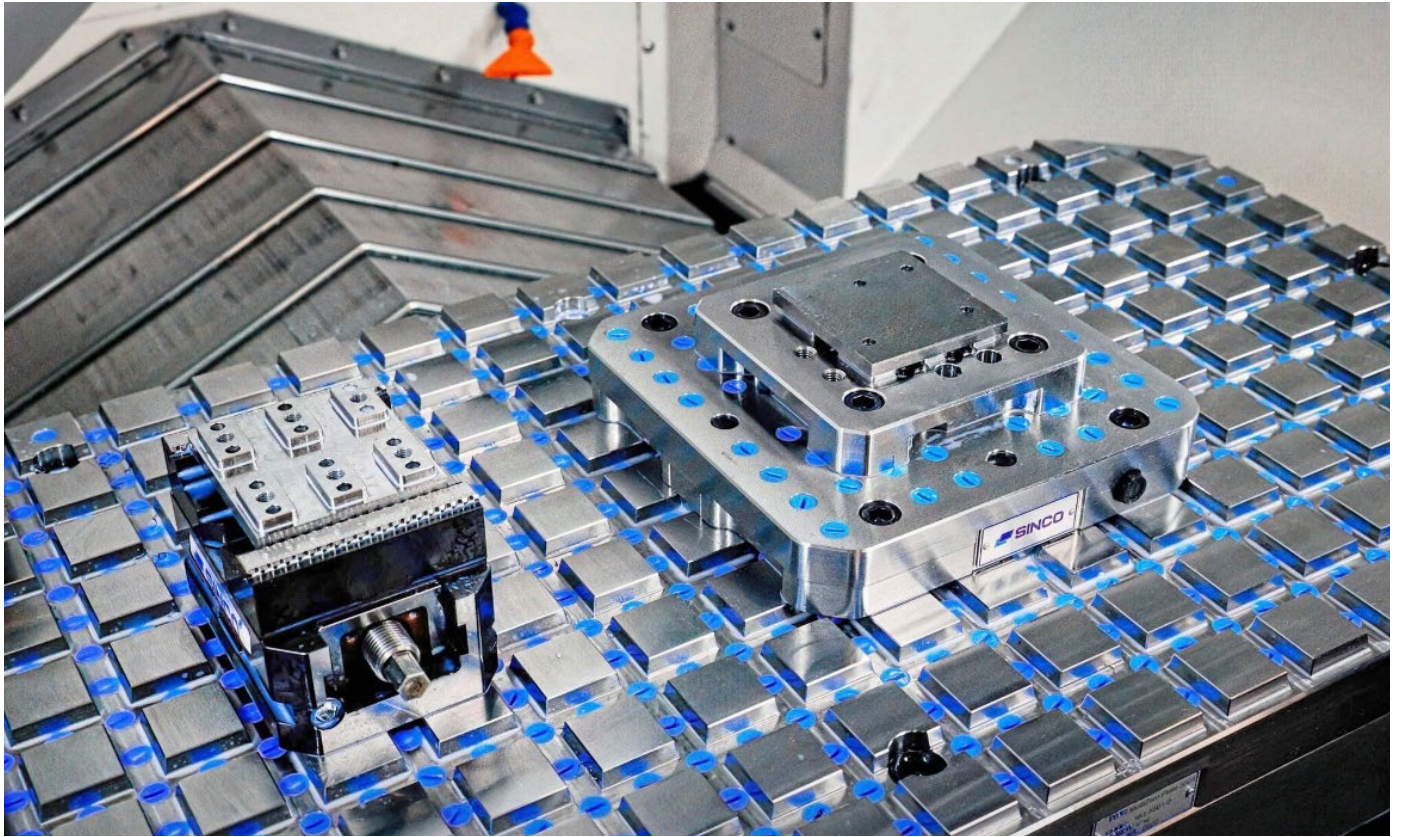
5XGrip Jaw Pad Type D



Product	Product no.	Height (mm)	Width (mm)	Weight (kg)
5XGrip Jaw Type D	3A4-5195-0	35.0 mm	99.0 mm	0.56 kg

*Soft Jaw - Material: Aluminium

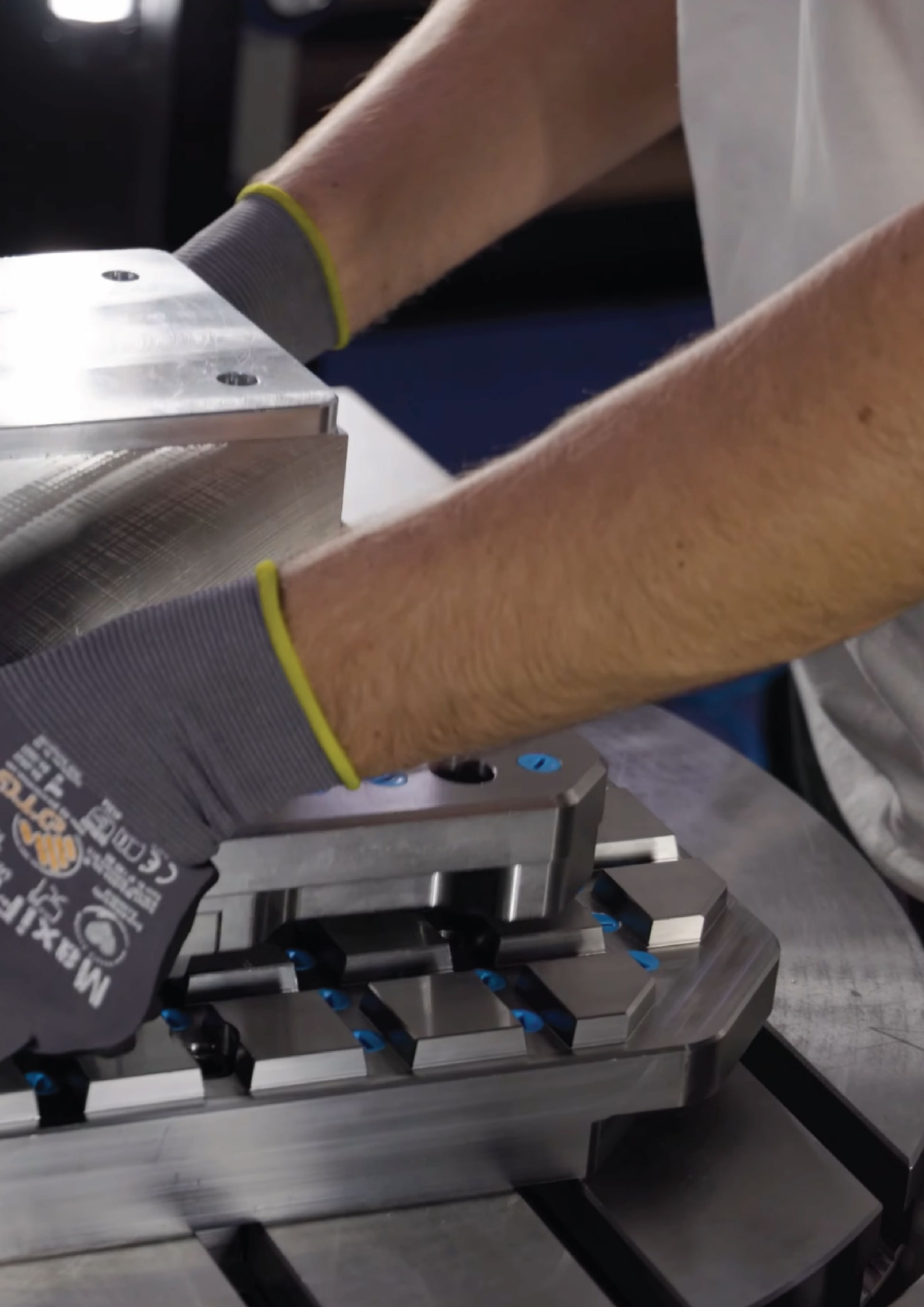
Applications



MultiZero Pallets

Clamping pallets for off-machine clamping and workpiece transfer





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MultiZero Pallets

MultiZero Pallets enable seamless workpiece transfer with 5 μm repeatability. They allow off-machine clamping to reduce downtime and maintain zero-point positioning across operations, ensuring fast repositioning if needed. Available in seven types and sizes, they boost machining productivity.



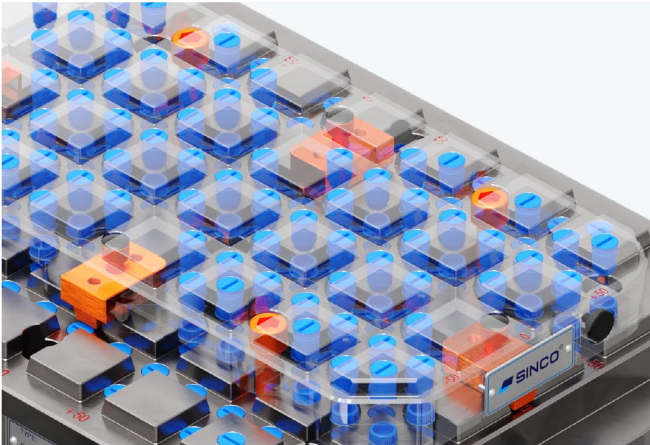
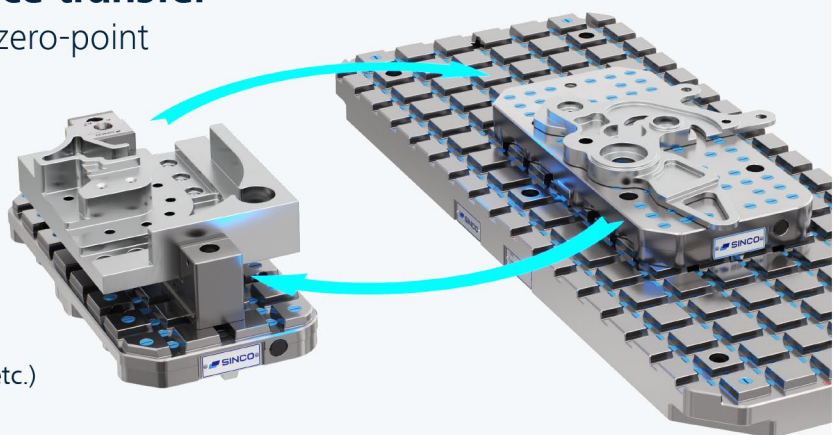
Benefits and Advantages

Clamp off-machine to maximize spindle time & transfer workpieces across multiple machining operations in the initial zero-point position

Quick switch & workpiece transfer

Extended spindle runtime and zero-point offset across process

MultiZero Pallets enable off-machine clamping and quick pallet switching, resulting in minimal machine downtime and maximum productivity. Besides that, these pallets enable workpiece transfer to other machining operations in the initial zero-point position (EDM, CMM, milling, etc.)



5µm repeatable positioning

Zero-gap conical locking in X and Y enables pallet 5µm repeatable positioning

MultiZero Pallets are precisely positioned on the base plate by aligning four (4x) slot rails beneath the pallet with the conical slot array in the X and Y axes. Conical positioning allows for zero-gap locking of positional elements and the base plate, which enables excellent thermal stability, reduces vibration, and ensures 5µm pallet positioning repeatability.

Five different pallet options

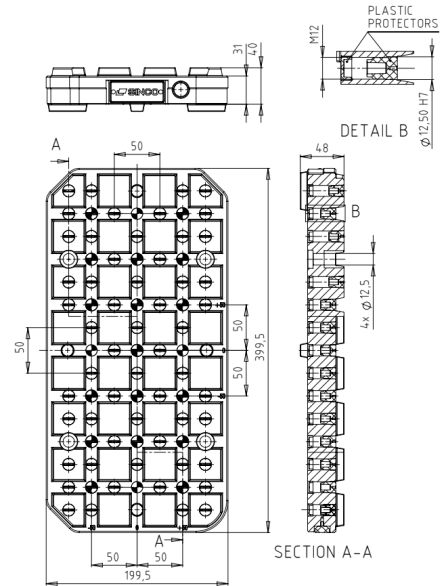
Different pallet options enable transfer of all small to medium-sized workpieces

The MultiZero Pallet portfolio offers five different pallet types that enable various user-focused applications in machining operations. From the MultiZero Pallet line, which provides the same degree of workholding flexibility as the base plate, to the EDM pallet for multiple electrode production—these pallets enhance machining productivity and standardization for all small- to medium-sized workpieces.

MultiZero Pallet

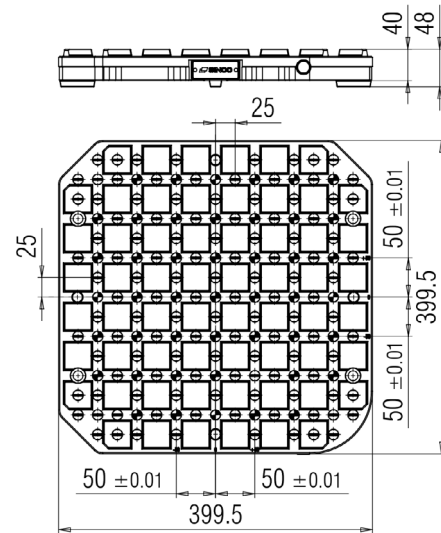
The MultiZero Pallet replicates the surface of the MultiZero Base Plate, providing the same workholding flexibility. It allows workpieces to be clamped outside the machine and quickly exchanged, reducing idle time and increasing machine productivity. Workpieces can be transferred between operations such as milling, sink EDM, wire EDM, and measuring while maintaining a zero-point repeatability of 5 µm. The pallet also allows workpieces to be removed and reclamped in the exact same position if machining needs to be interrupted. This system improves workflow efficiency while maintaining high precision.

MultiZero Pallet AxB



Product	Product no.	Length (mm)	Width (mm)	Height (mm)	Thread holes M12	Weight (kg)
MultiZero Pallet 100x350	1B2-1010-0	349.5 mm	99.5 mm	40.0 mm	16x	7.8 kg
MultiZero Pallet 150x320	1B2-1020-0	319.5 mm	149.5 mm	40.0 mm	33x	11.2 kg
MultiZero Pallet 150x400	1B2-1030-0	399.5 mm	149.5 mm	40.0 mm	50x	13.7 kg
MultiZero Pallet 200x400	1B2-1040-0	399.5 mm	199.5 mm	40.0 mm	61x	18.4 kg
MultiZero Pallet 200x500	1B2-1050-0	499.5 mm	199.5 mm	40.0 mm	87x	23.1 kg
MultiZero Pallet 200x600	1B2-1060-0	599.5 mm	199.5 mm	40.0 mm	101x	27.6 kg
MultiZero Pallet 250x500	1B2-1070-0	499.5 mm	249.5 mm	40.0 mm	115x	28.4 kg
MultiZero Pallet 300x630	1B2-1080-0	629.5 mm	299.5 mm	40.0 mm	174x	43.1 kg
MultiZero Pallet 300x800	1B2-1090-0	799.5 mm	299.5 mm	40.0 mm	233x	56.5 kg
MultiZero Pallet 400x500	1B2-1180-0	499.5 mm	399.5 mm	40.0 mm	195x	46.0 kg
MultiZero Pallet 500x600	1B2-1190-0	599.5 mm	499.5 mm	40.0 mm	305x	69.8 kg
MultiZero Pallet 600x800	1B2-1200-0	799.5 mm	599.5 mm	40.0 mm	504x	112.0 kg

MultiZero Pallet AxA

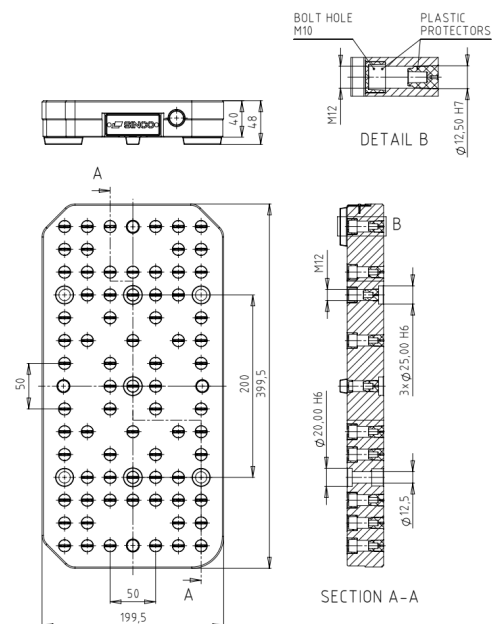
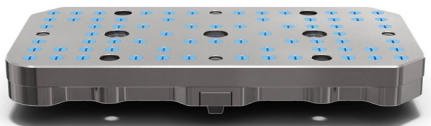


Product	Product no.	Length (mm)	Width (mm)	Height (mm)	Thread holes M12	Weight (kg)
MultiZero Pallet 150x150	1B2-1100-0	149.5 mm	149.5 mm	40.0 mm	12x	5.2 kg
MultiZero Pallet 200x200	1B2-1110-0	199.5 mm	199.5 mm	40.0 mm	24x	9.4 kg
MultiZero Pallet 240x240	1B2-1120-0	239.5 mm	239.5 mm	40.0 mm	53x	13.4 kg
MultiZero Pallet 300x300	1B2-1130-0	299.5 mm	299.5 mm	40.0 mm	77x	23.0 kg
MultiZero Pallet 400x400	1B2-1140-0	399.5 mm	399.5 mm	40.0 mm	150x	36.6 kg
MultiZero Pallet 500x500	1B2-1150-0	499.5 mm	499.5 mm	40.0 mm	249x	57.9 kg
MultiZero Pallet 630x630	1B2-1160-0	629.5 mm	629.5 mm <td 40.0 mm	375x	91.2 kg	

MultiZero Clamp Pallet

The MultiZero Clamp Pallet features an array of M12 threaded holes for direct clamping of fixtures, vises, or workpieces. Workpieces can also be clamped from the underside, enabling full five-side machining. By allowing workpieces to be clamped outside the machine, the system reduces machine idle time and increases productivity through quick pallet exchange. Workpieces can also be transferred between operations such as milling, Sink EDM, Wire EDM, and measuring while maintaining a zero-point repeatability of 5 μm . The pallet enables workpieces to be removed and reclamped in the exact same position if machining needs to be interrupted, ensuring consistent precision and efficient workflow.

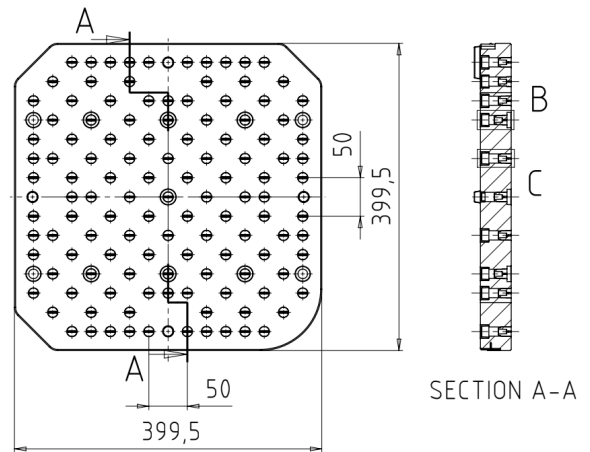
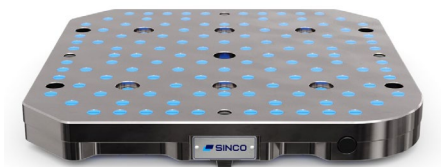
MultiZero Clamp Pallet AxB



Product	Product no.	Length (mm)	Width (mm)	Height (mm)	Thread holes M12	Weight (kg)
MultiZero Clamp Pallet 100x350	1B2-1011-0	349.5 mm	99.5 mm	40.0 mm	29x	8.2 kg
MultiZero Clamp Pallet 150x320	1B2-1021-0	319.5 mm	149.5 mm	40.0 mm	39x	11.6 kg

Product	Product no.	Length (mm)	Width (mm)	Height (mm)	Thread holes M12	Weight (kg)
MultiZero Clamp Pallet 150x400	1B2-1031-0	399.5 mm	149.5 mm	40.0 mm	48x	14.9 kg
MultiZero Clamp Pallet 200x400	1B2-1041-0	399.5 mm	199.5 mm	40.0 mm	72x	19.8 kg
MultiZero Clamp Pallet 200x500	1B2-1051-0	499.5 mm	199.5 mm	40.0 mm	87x	24.9 kg
MultiZero Clamp Pallet 200x600	1B2-1061-0	599.5 mm	199.5 mm	40.0 mm	109x	29.7 kg
MultiZero Clamp Pallet 250x500	1B2-1071-0	499.5 mm	249.5 mm	40.0 mm	88x	31.7 kg
MultiZero Clamp Pallet 300x630	1B2-1081-0	629.5 mm	299.5 mm	40.0 mm	130x	48.8 kg
MultiZero Clamp Pallet 300x800	1B2-1091-0	799.5 mm	299.5 mm	40.0 mm	166x	63.9 kg
MultiZero Clamp Pallet 400x500	1B2-1181-0	499.5 mm	399.5 mm	40.0 mm	160x	50.9 kg
MultiZero Clamp Pallet 500x600	1B2-1191-0	599.5 mm	499.5 mm	40.0 mm	244x	77.3 kg
MultiZero Clamp Pallet 600x800	1B2-1201-0	799.5 mm	599.5 mm	40.0 mm	338x	126.4 kg

MultiZero Clamp Pallet AxA



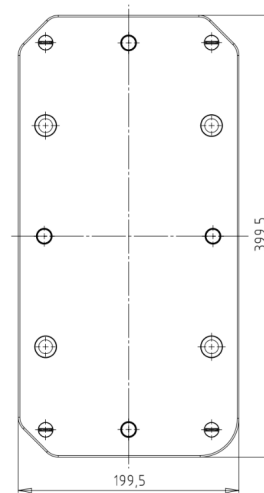
Product	Product no.	Length (mm)	Width (mm)	Height (mm)	Thread holes M12	Weight (kg)
MultiZero Clamp Pallet 150x150	1B2-1101-0	149.5 mm	149.5 mm	40.0 mm	16x	5.6 kg
MultiZero Clamp Pallet 200x200	1B2-1111-0	199.5 mm	199.5 mm	40.0 mm	41x	10.0 kg
MultiZero Clamp Pallet 240x240	1B2-1121-0	239.5 mm	239.5 mm	40.0 mm	69x	14.0 kg
MultiZero Clamp Pallet 300x300	1B2-1131-0	299.5 mm	299.5 mm	40.0 mm	74x	25.5 kg
MultiZero Clamp Pallet 400x400	1B2-1141-0	399.5 mm	399.5 mm	40.0 mm	121x	40.9 kg
MultiZero Clamp Pallet 500x500	1B2-1151-0	499.5 mm	499.5 mm	40.0 mm	197x	64.6 kg
MultiZero Clamp Pallet 630x630	1B2-1161-0	629.5 mm	629.5 mm	40.0 mm	262x	104.3 kg

MultiZero Blank Pallet

The MultiZero Blank Pallet features a blank top surface that can be machined into a custom clamping bed tailored to a specific workpiece. By allowing workpieces to be clamped outside the machine, the system reduces idle time and increases productivity through quick pallet exchange. Workpieces can be transferred between operations such as milling, Sink EDM, Wire EDM, and measuring while maintaining a zero-point repeatability of 5 µm. The pallet also allows workpieces to be removed and reclamped in the exact same position if machining is interrupted, ensuring consistent precision and efficient workflow.

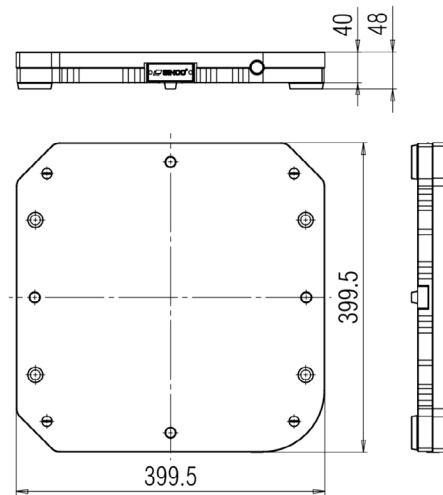


MultiZero Blank Pallet AxB



Product	Product no.	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
MultiZero Blank Pallet 100x350	1B2-1013-0	349.5 mm	99.5 mm	40.0 mm	9.4 kg
MultiZero Blank Pallet 150x320	1B2-1023-0	319.5 mm	149.5 mm	40.0 mm	13.7 kg
MultiZero Blank Pallet 150x400	1B2-1033-0	399.5 mm	149.5 mm	40.0 mm	16.9 kg
MultiZero Blank Pallet 200x400	1B2-1043-0	399.5 mm	199.5 mm	40.0 mm	22.8 kg
MultiZero Blank Pallet 200x500	1B2-1053-0	499.5 mm	199.5 mm	40.0 mm	28.6 kg
MultiZero Blank Pallet 200x600	1B2-1063-0	599.5 mm	199.5 mm	40.0 mm	34.3 kg
MultiZero Blank Pallet 250x500	1B2-1073-0	499.5 mm	249.5 mm	40.0 mm	35.5 kg
MultiZero Blank Pallet 300x630	1B2-1083-0	629.5 mm	299.5 mm	40.0 mm	54.4 kg
MultiZero Blank Pallet 300x800	1B2-1093-0	799.5 mm	299.5 mm	40.0 mm	71.2 kg
MultiZero Blank Pallet 400x500	1B2-1183-0	499.5 mm	399.5 mm	40.0 mm	58.0 kg
MultiZero Blank Pallet 500x600	1B2-1193-0	599.5 mm	499.5 mm	40.0 mm	88.1 kg
MultiZero Blank Pallet 600x800	1B2-1203-0	799.5 mm	599.5 mm	40.0 mm	142.1 kg

MultiZero Blank Pallet AxA

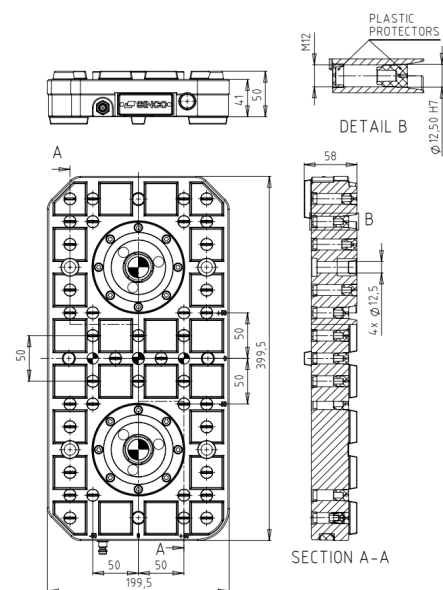
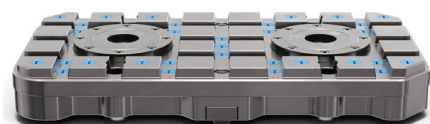


Product	Product no.	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
MultiZero Blank Pallet 150x150	1B2-1103-0	149.5 mm	149.5 mm	40.0 mm	6.4 kg
MultiZero Blank Pallet 200x200	1B2-1113-0	199.5 mm	199.5 mm	40.0 mm	11.6 kg
MultiZero Blank Pallet 240x240	1B2-1123-0	239.5 mm	239.5 mm	40.0 mm	16.8 kg
MultiZero Blank Pallet 300x300	1B2-1133-0	299.5 mm	299.5 mm	40.0 mm	28.5 kg
MultiZero Blank Pallet 400x400	1B2-1143-0	399.5 mm	399.5 mm	40.0 mm	46.1 kg
MultiZero Blank Pallet 500x500	1B2-1153-0	499.5 mm	499.5 mm	40.0 mm	73.1 kg
MultiZero Blank Pallet 630x630	1B2-1163-0	629.5 mm	629.5 mm	40.0 mm	116.0 kg

MultiZero Pneumatic Pallet

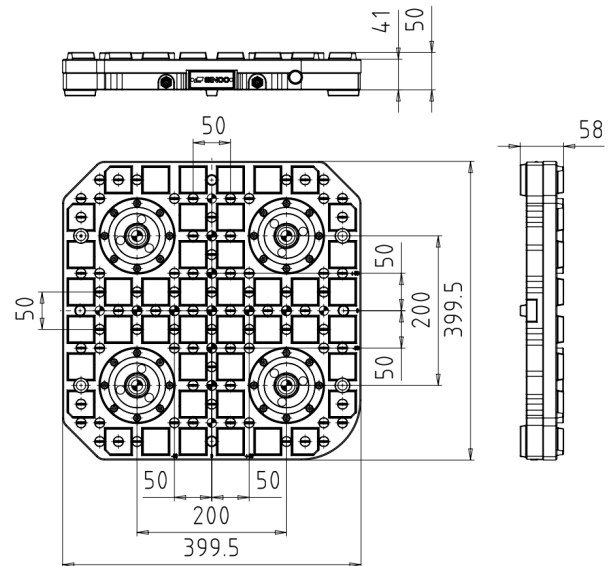
The MultiZero Pneumatic Pallet replicates the surface of the MultiZero Base Plate while integrating pneumatic zero-point modules for automatic clamping, providing full workholding flexibility with automated operation. It allows users to start with manual MultiZero setups and later upgrade to automated clamping, making it suitable for both small-batch and high-volume production. The system also provides superior lateral force compensation. Positioning is achieved through Slot Rails aligned with conical slots on the pallet, while the pneumatic modules act only as clamping elements. This ensures precise positioning and high stability throughout the machining process.

MultiZero Pneumatic Pallet AxB



Product	Product no.	Length (mm)	Width (mm)	Height (mm)	Zero points	Pneumatic modules	Weight (kg)
MultiZero Pneumatic Pallet 200x400	1B2-1042-0	399.5 mm	199.5 mm	50.0 mm	3x	2x	26.5 kg

MultiZero Pneumatic Pallet AxA

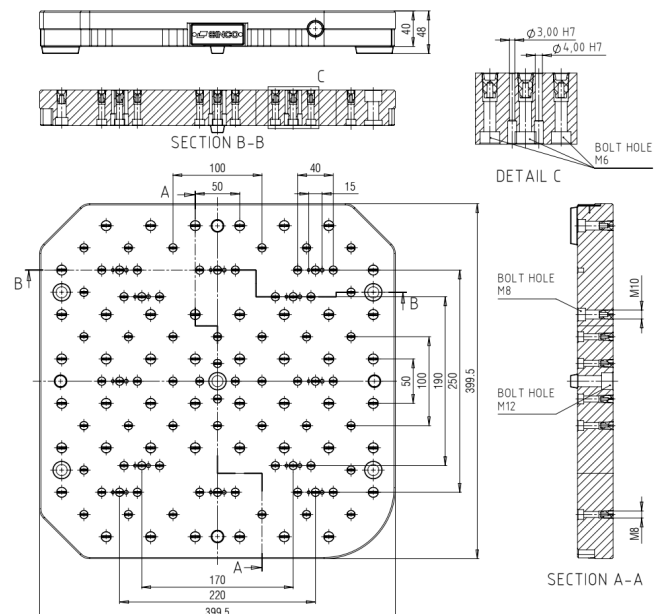
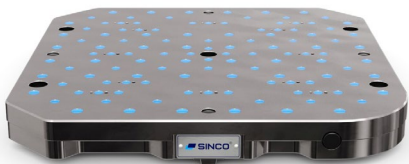


Product	Product no.	Length (mm)	Width (mm)	Height (mm)	Zero points	Pneumatic modules	Weight (kg)
MultiZero Pneumatic Pallet 150x150	1B2-1102-0	149.5 mm	149.5 mm	50.0 mm	0x	1x	8.3 kg
MultiZero Pneumatic Pallet 200x200	1B2-1112-0	199.5 mm	199.5 mm	50.0 mm	0x	1x	14.1 kg
MultiZero Pneumatic Pallet 400x400	1B2-1142-0	399.5 mm	399.5 mm	50.0 mm	13x	4x	48.8 kg

MultiZero EDM Pallet

The MultiZero EDM Pallet is designed for machining multiple electrodes and supports Meusburger or EROWA standard electrode holders. It enables simultaneous milling of several electrodes and quick setup through pallet exchange. Electrodes can be clamped outside the machine and transferred between operations such as milling and measuring while maintaining a zero-point repeatability of 5 µm. The pallet also allows electrodes to be removed and reclamped in the exact same position if machining is interrupted, improving workflow efficiency and productivity.

MultiZero EDM Pallet AxA

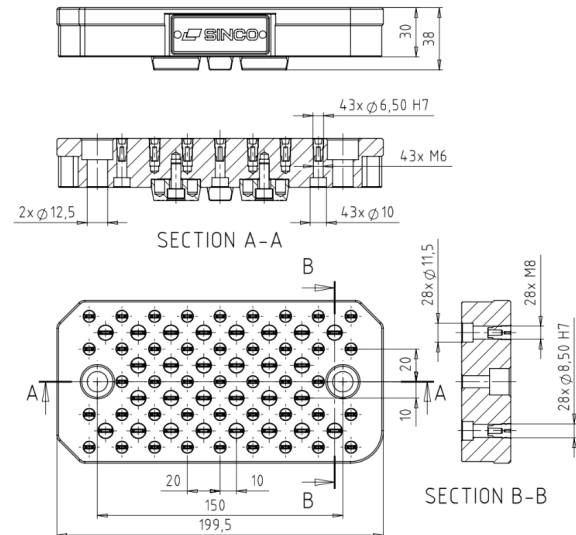


Product	Product no.	Length (mm)	Width (mm)	Height (mm)	Thread holes M8	Thread holes M10	Weight (kg)
MultiZero EDM Pallet 200x200	1B2-1114-0	199.5 mm	199.5 mm	40.0 mm	16x	18x	10.5 kg
MultiZero EDM Pallet 400x400	1B2-1144-0	399.5 mm	399.5 mm	40.0 mm	60x	48x	43.5 kg

MultiZero Fix Pallet

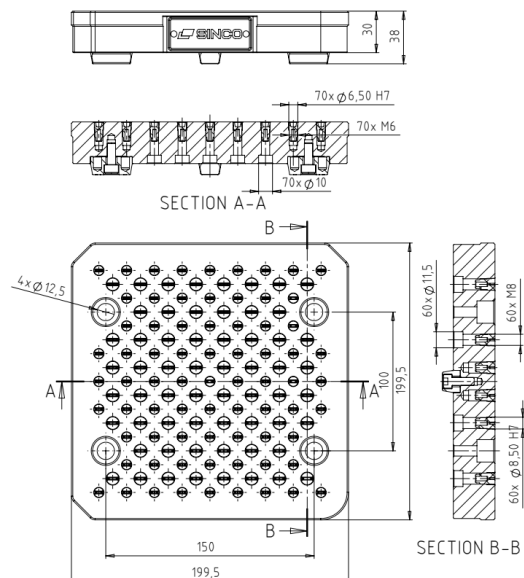
The MultiZero Fix Pallet features a dense array of M6 and M8 threaded clamping holes with 20 mm and 10 mm pitch, enabling secure fixturing of small workpieces. It is specifically designed for applications such as small mold inserts or medical components, where the standard MultiZero 50 mm grid is too coarse. Workpieces are clamped from the underside of the pallet, after which the entire pallet can be mounted and transferred onto the MultiZero Base Plate, ensuring precise positioning and efficient handling.

MultiZero Fix Pallet AxB



Product	Product no.	Length (mm)	Width (mm)	Height (mm)	Thread holes M6	Thread holes M8	Weight (kg)
MultiZero Fix Pallet 100x200	5B2-2535-0	199.5 mm	99.5 mm	30.0 mm	43x	28x	3.6 kg
MultiZero Fix Pallet 100x270	5B2-2545-0	269.5 mm	99.5 mm	30.0 mm	63x	40x	5.3 kg

MultiZero Fix Pallet AxA

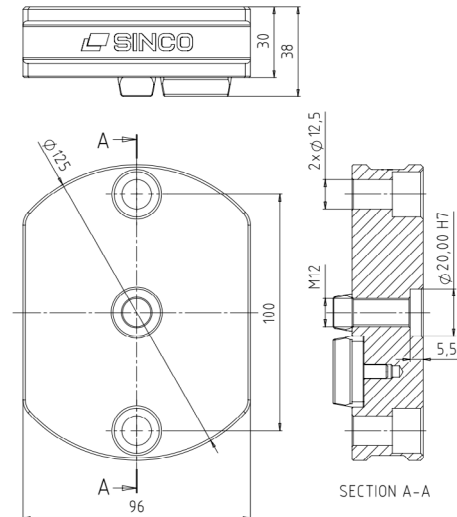


Product	Product no.	Length (mm)	Width (mm)	Height (mm)	Thread holes M6	Thread holes M8	Weight (kg)
MultiZero Fix Pallet 200x200	5B2-2555-0	199.5 mm	199.5 mm	30.0 mm	73x	60x	7.2 kg

MultiZero INT Pallet

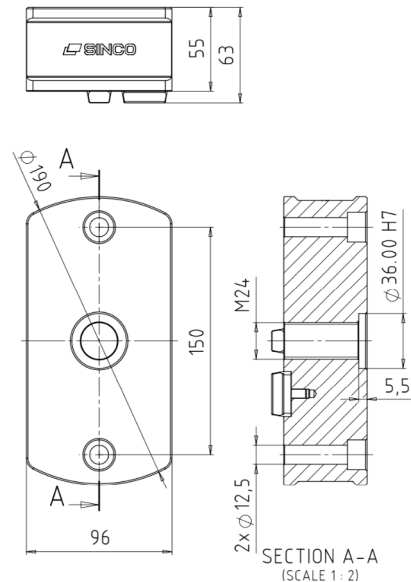
The MultiZero INT Pallet (Integration Pallet) is designed to allow existing customer workholding elements to be integrated into the MultiZero clamping system. Customer-specific clamping devices can be mounted in the center of the INT Pallet and then used on the MultiZero system in the same way as any standard MultiZero workholding component. The INT Pallet features a central positioning hole (H7 hole) on the top side and a threaded mounting hole from the underside for secure fixation. The pallets are available in sizes 125 and 190, with central thread options of M10, M12, M16, and M24.

MultiZero INT Pallet 125



Product	Product no.	Dimension (mm)	Height (mm)	Center thread	Positioning hole	Weight (kg)
MultiZero INT Pallet 125 M10	6A2-2570-0	Ø125x96 mm	30.0 mm	M10	Ø20.0 H7	2.3 kg
MultiZero INT Pallet 125 M12	6A2-2580-0	Ø125x96 mm	30.0 mm	M12	Ø20.0 H7	2.3 kg
MultiZero INT Pallet 125 M16	6A2-2590-0	Ø125x96 mm	30.0 mm	M16	Ø20.0 H	2.3 kg

MultiZero INT Pallet 190

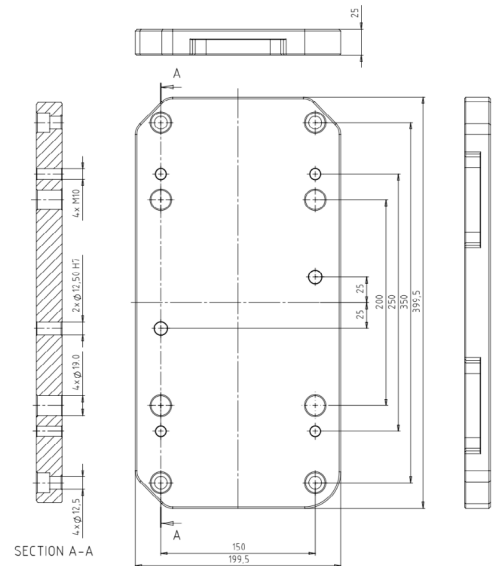


Product	Product no.	Dimension (mm)	Height (mm)	Center thread	Positioning hole	Weight (kg)
MultiZero INT Pallet 190 M24	6A2-2630-0	Ø190x96 mm	55.0 mm	M24	Ø36.0 H7	6.9 kg

MultiZero Adapter Plates

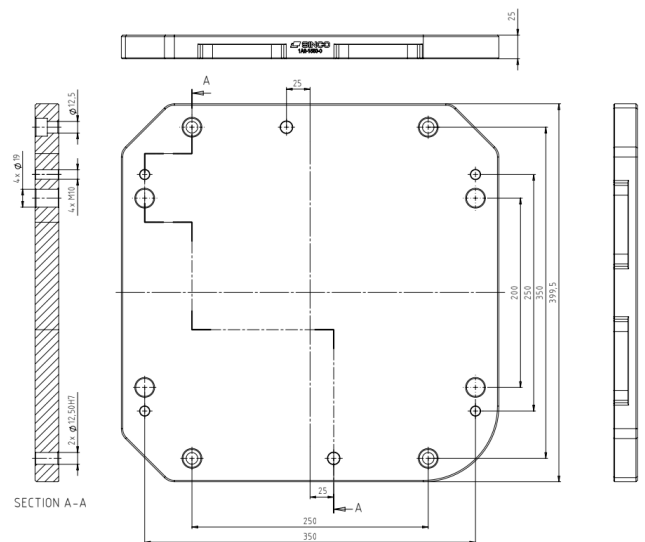
The MultiZero Adapter Plate is an add-on for the MultiZero Pallet and MultiZero Clamp Pallet, designed for flexible workpiece mounting in specialized applications. It enables custom hole positioning when the standard SINCO 50 mm grid cannot be used, allowing workpieces to be mounted using existing or application-specific holes while still locating precisely on the pallet via H7 centering pins. The Adapter Plate is also suitable for Wire EDM operations, protecting the pallet from wire damage (done by moving the workpiece to the wire EDM with the adapter plate, but without the MultiZero Pallet) while maintaining zero-point repeatability when the workpiece is returned to the pallet. This solution enables seamless transfer of workpieces between milling, EDM, and measuring operations without losing the original zero-point reference.

MultiZero Adapter Plate AxB



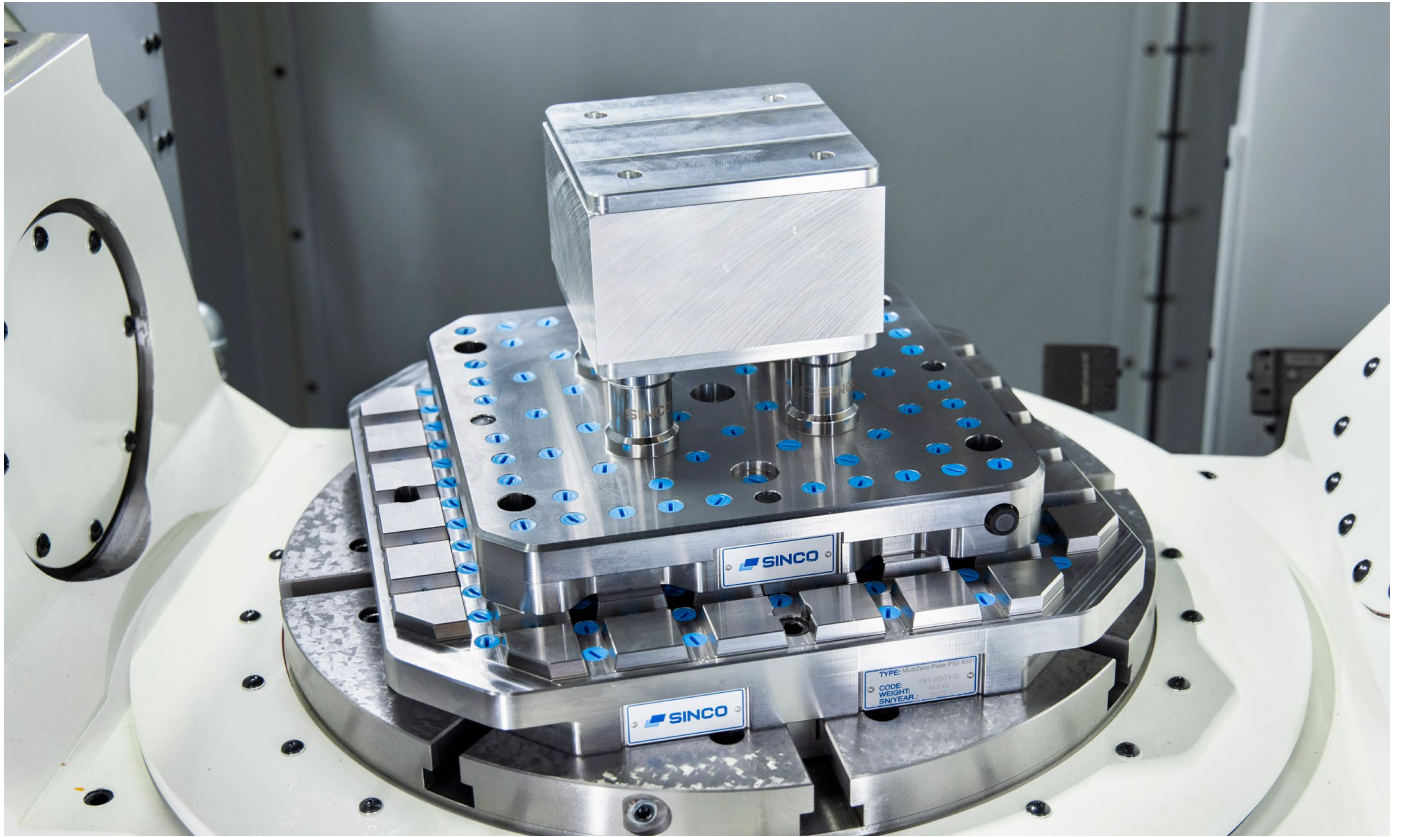
Product	Product no.	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
MultiZero Adapter Plate 150x250	1A2-1560-0	249.5 mm	149.5 mm	25.0 mm	6.22 kg
MultiZero Adapter Plate 150x350	1A2-1570-0	349.5 mm	149.5 mm	25.0 mm	8.88 kg
MultiZero Adapter Plate 200x400	1A2-1580-0	399.5 mm	199.5 mm	25.0 mm	13.93 kg

MultiZero Adapter Plate AxA



Product	Product no.	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
MultiZero Adapter Plate 150x150	1A2-1510-0	149.5 mm	149.5 mm	25.0 mm	3.55 kg
MultiZero Adapter Plate 200x200	1A2-1520-0	199.5 mm	199.5 mm	25.0 mm	6.71 kg
MultiZero Adapter Plate 250x250	1A2-1530-0	249.5 mm	249.5 mm	25.0 mm	10.78 kg
MultiZero Adapter Plate 300x300	1A2-1540-0	299.5 mm	299.5 mm	25.0 mm	16.19 kg
MultiZero Adapter Plate 400x400	1A2-1550-0	399.5 mm	399.5 mm	25.0 mm	28.50 kg

Applications



MultiZero Automation Pallets

Modular pallet system for flexible automation setups

MultiZero Automation Pallets are designed for milling automation, featuring a surface with conical slots based on the MultiZero System standard. Optimized for both weight and size, these pallets are perfectly suited for integration with automation rackets in modern CNC environments.



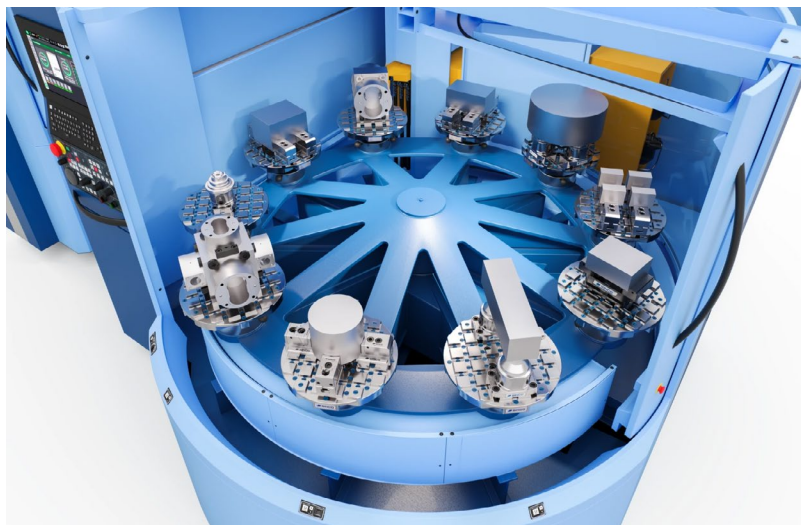
Flexible automation setup

Modular & Expandable workholding in milling automation

Engineered for automation workholding, the pallets are fully compatible with all MultiZero elements, including modular vises, risers, and support elements. This allows users to implement a flexible zero-point clamping system directly into their automation processes. With the versatility of the MultiZero System, manufacturers can now automate not only high-volume, repeatable parts but also low-volume or individual components. This makes automation in milling more adaptable, efficient, and accessible across a wide range of production scenarios.

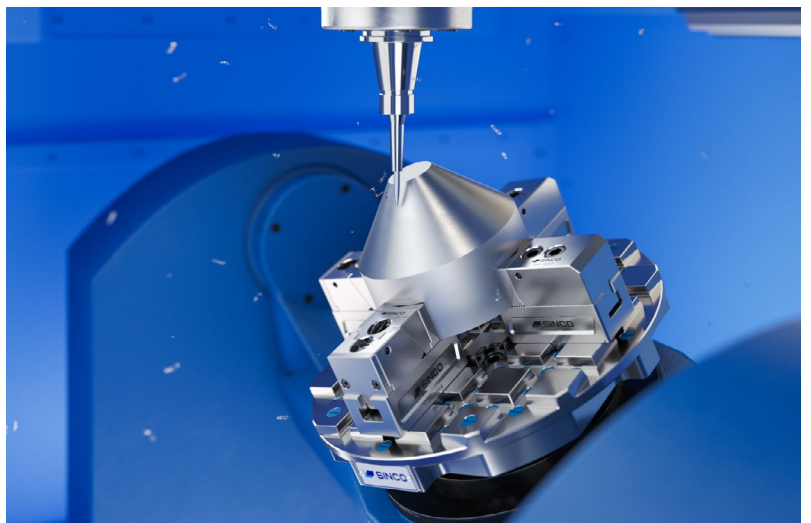
Compatible with leading automation systems

MultiZero Automation Pallets are engineered to integrate directly with the ratchet interfaces of leading automation system manufacturers. Prior to delivery, the pallet underside is modified to match the specific manufacturer standard, ensuring reliable and repeatable workpiece transfer.



Customizable pallet sizes

MultiZero Automation Pallets are available in a range of standard sizes and can be produced in custom dimensions to match the specific requirements of customer automation setup and workpiece envelope.



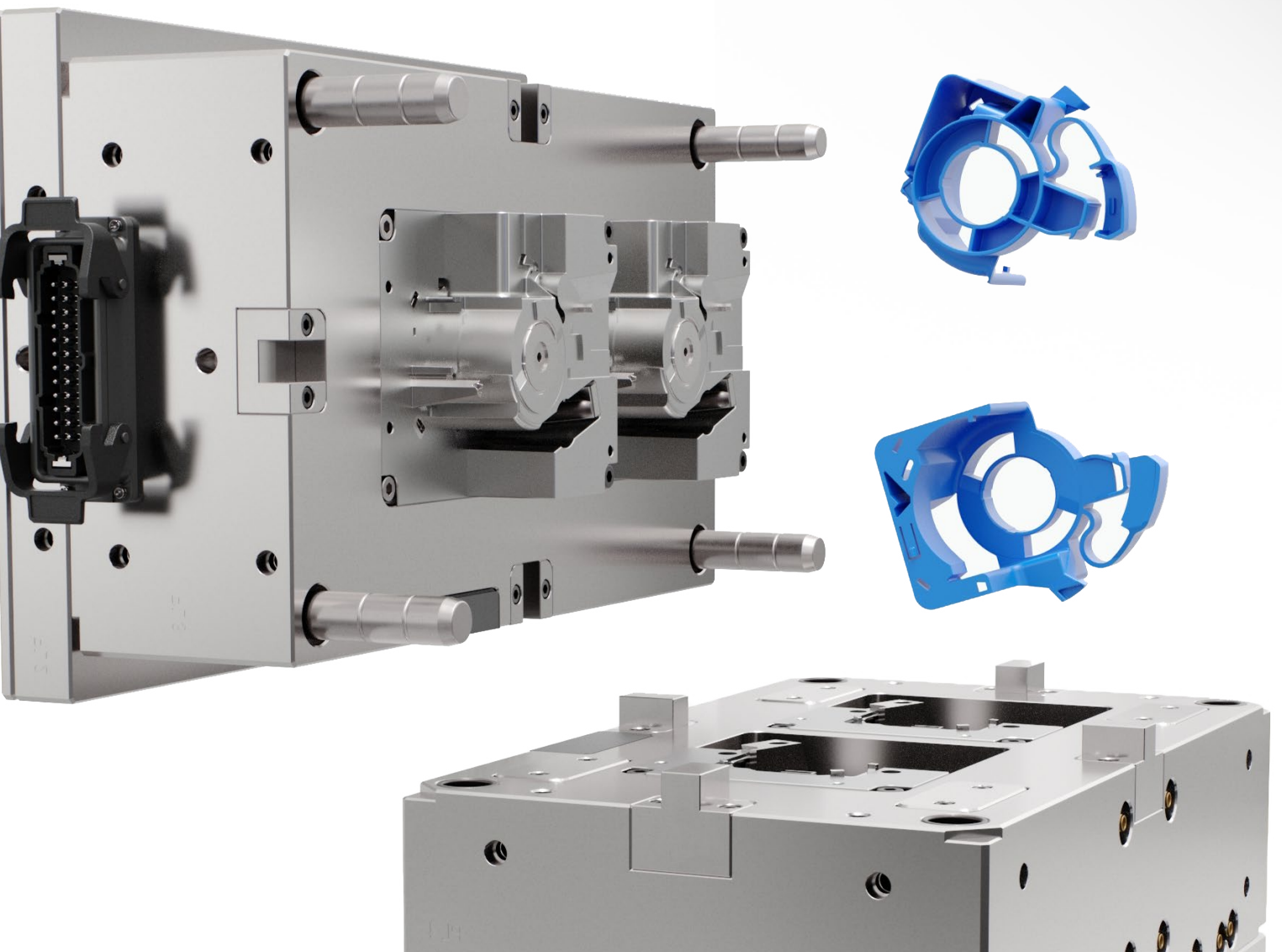
Discover some of the Industries where MultiZero Clamping System excels

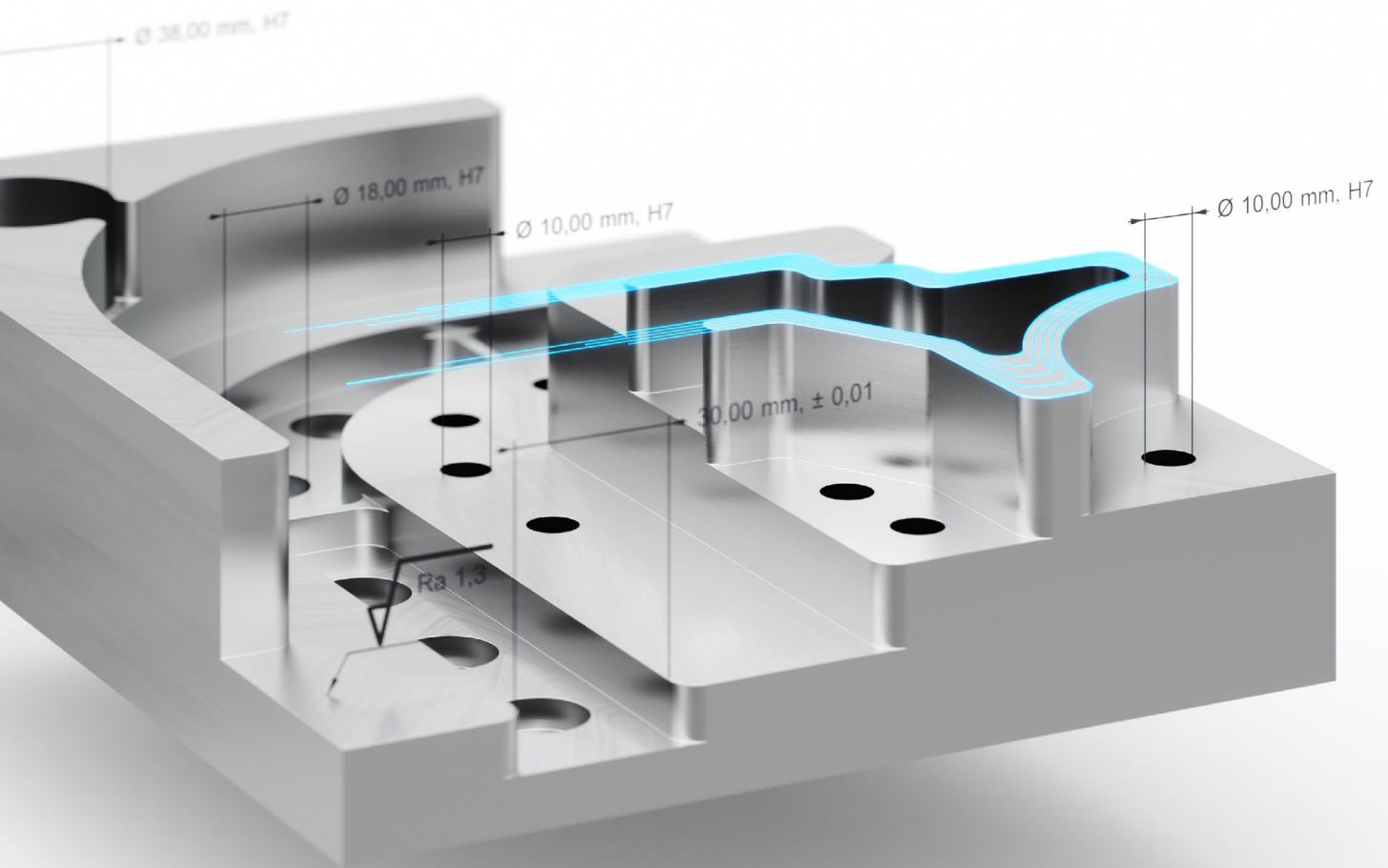
From high-mix low-volume job shops to large-scale precision manufacturing processes

Mold & Die

Consistent accuracy across the whole tool production process

Simplified workholding with flexible, standardized solutions, minimizes errors in tool production. High zero-point repeatability ensures seamless transitions across machining processes, maintaining accuracy and reliability throughout projects, even for the most complex tools.





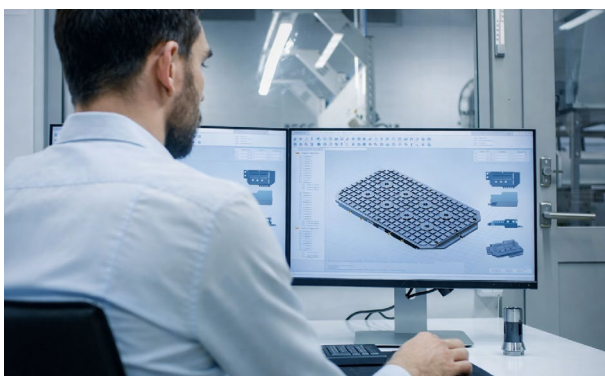
General Low-Volume & Special Machining

Fast workholding changeover and less machine downtime

Streamlines low-volume & special machining production with quick setup changes, modular clamping, and external pallet options for minimal machine downtime and maximum productivity.

SINCO Services and Support

Comprehensive support, training, and services to ensure reliable and efficient operation



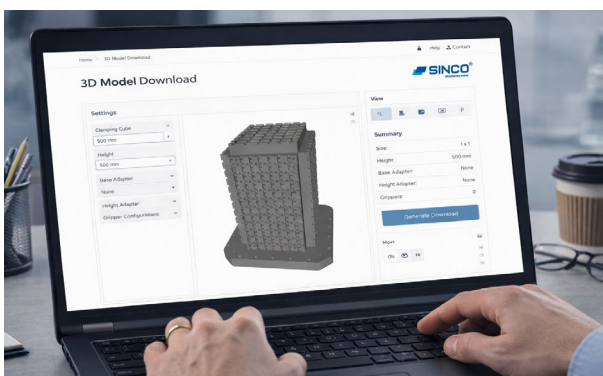
Custom Base Plate Design

Customers can decide on custom base plate design, which can be either a custom dimension to cover the whole machine table, or a specific feature to meet customer's application requirements.



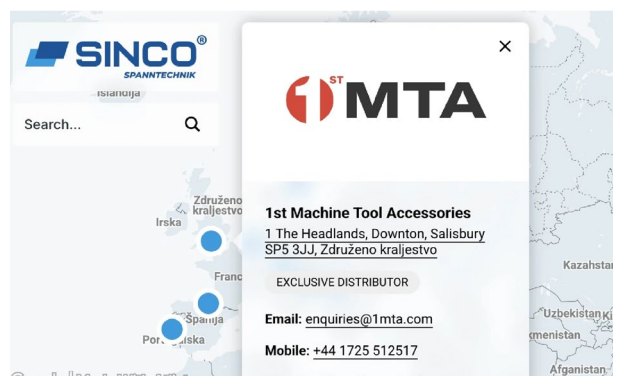
Customer Training & Support

Ensure efficient use of your SINCO products, reliable operation, and long service life with the right training and dedicated support. We provide practical assistance and responsive service to keep your processes running smoothly.



3D Model Download

Download all 3D models from the SINCO standard product portfolio directly from our website, for setup visualization and seamless integration into your CAM operations.



Contacts & Sales Network

Authorized SINCO sales partners are ready to support you with expertise in workholding, zero-point clamping, and automation. Find your local partner on our website or contact us directly.

SINCO Engineering

Custom clamping & workholding solutions

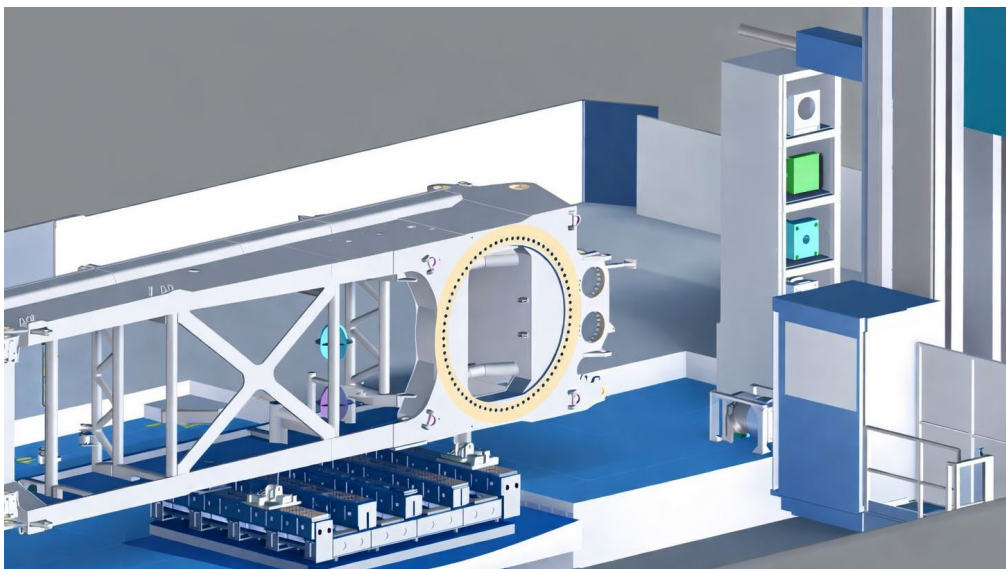
SINCO Engineering provides tailored workholding and positioning solutions developed around the MultiZero zero-point clamping standard. Drawing on deep application expertise and strategic partnerships with leading machine-tool builders and sector leaders, our engineering team designs and delivers custom clamping fixtures, special base plate configurations, and application-specific workholding systems, precisely matched to customer machining process, workpiece geometry, machine environment, and production requirements.

Primary areas of application:

- Custom positioning system design for large workpieces
- Special base plate configurations for non-standard machine tables
- Custom fixture design for complex or irregular workpieces
- Workholding integration for automated and robotic machining cells

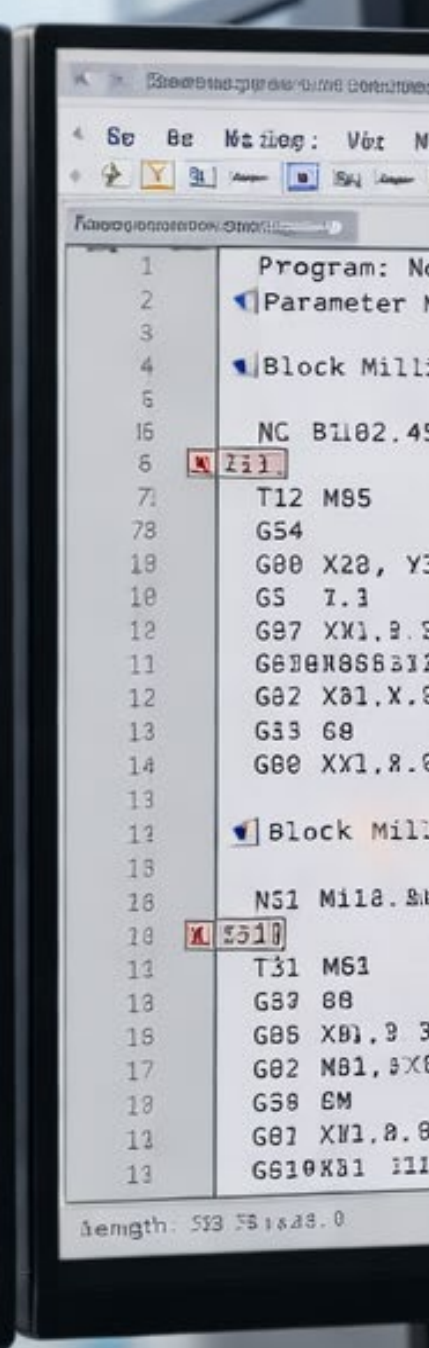
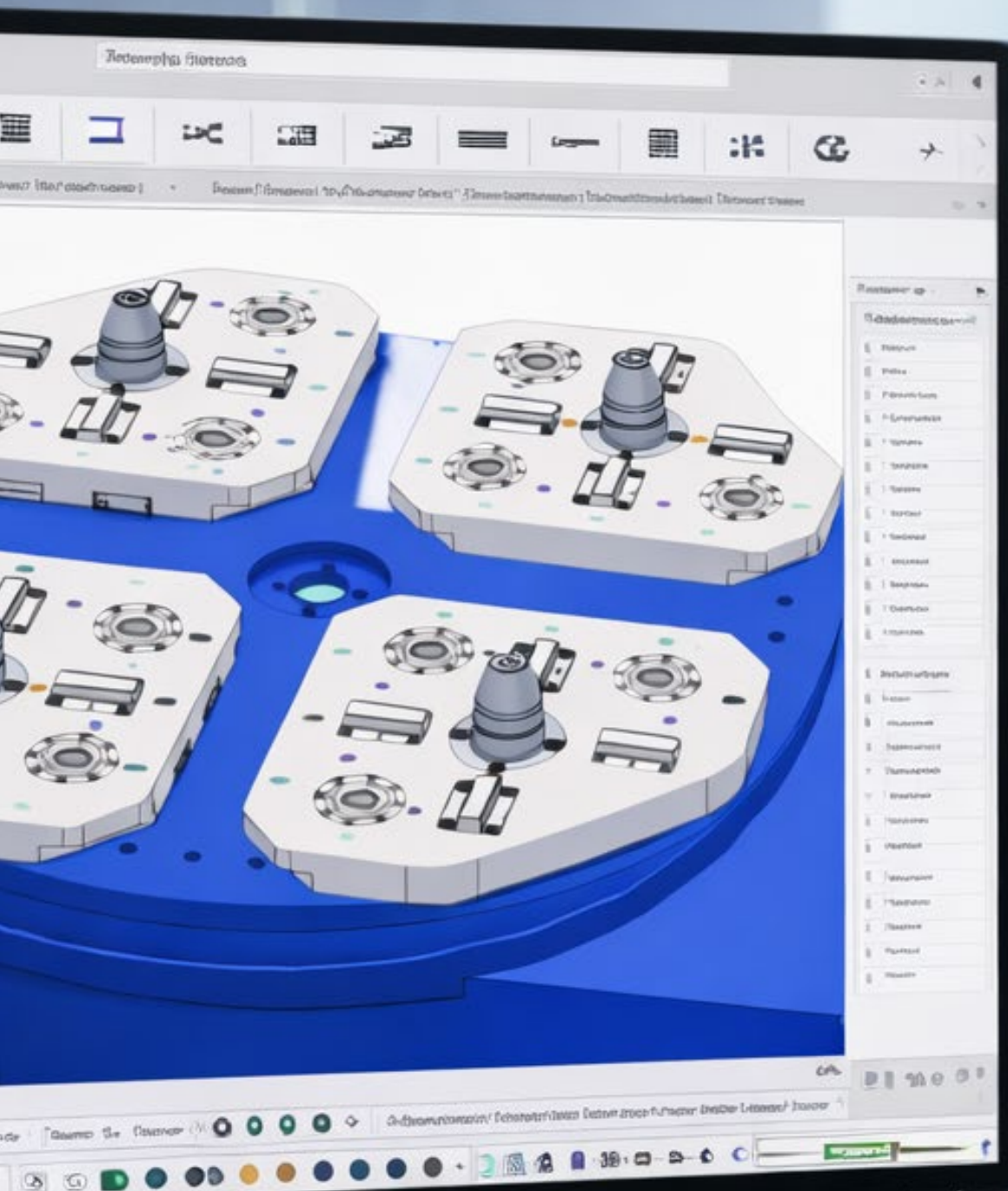
What SINCO Engineering delivers:

- Application-specific engineering based on the MultiZero standard
- Full CAD/CAM-ready fixture design with 3D model output
- Short lead times from concept to delivery
- On-site consultation and setup support



MultiZero clamping system solution for large workpiece clamping - Pama 3000 machine





```
Program: N
Parameter M
Block Mill
NC B1102.45
11
T12 M85
G54
G00 X20, Y3
G5 I.3
G07 X1,8.3
G08 M06 S11
G02 X01.X.8
G33 60
G00 XX1,8.0
Block Mill
N51 M118.8
11
T31 M61
G37 00
G05 X01,9 3
G02 M01,8X0
G38 0M
G01 X1,8.8
G010 X01 111
```

Length: 539 58 1828.0

SINCO Spanntechnik
SINCO d.o.o.

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Get your local contact on
<https://sinco.eu/sales-network/>

**This QR code will take you
straight to our website**

