

New Modular fixturing components for 2018





Spring pusher standoff clamp

The spring pusher standoff clamp is designed to fixture parts in tight spaces, removing the need for tension clamps. It is ideal for positioning parts and profile clamping on circular parts. This component is made from anodised aluminium with a Delrin® tip.

Part no.	Thread	Height	Diameter
R-CSPS-1515-4	M4	15 mm	15 mm



Spring wedge clamp

Designed for securing parts using a downwards force, instead of using tension clamps. It is best used in conjunction with wedge stops on opposing sides. The wedge clamp can be rotated 360° to suit the application and is made from steel.

Part no.	Thread	Height	Diameter
R-CWS-6	M6	40 mm	15.9 mm



Micro sliding pusher clamp

For securing small and delicate parts using a spring pointed tip, with minimum force and contact. The Delrin® tip is adjustable to various heights for a variety of different parts. This component is made from anodised aluminium.

N.B. Includes socket head cap screws and washers.

Part no.	Thread	Width	Max adj.
R-CPSM-4	M4	19 mm	15.7 mm



Micro V spring clamp

For locating and securing parts in a V. The clamp has an adjustable spring arm for different diameter parts and also an adjustable end stop. This component is made from anodised aluminium with a stainless steel sliding stopper.

N.B. Includes socket head cap screws and washers.

Part no.	Thread	Height	Width	Depth
R-CSVM-4	M4	48.5 mm	75 mm	12.4 mm



Wedge stop

The wedge stops, typically used in pairs, will both locate and hold down a part. They restrict the part from lifting, increasing repeatability of the fixture. The M4 component is made from hard anodised aluminium and the M6 hardened steel.

Part no.	Thread	Height	Diameter
R-WS-1010-4	M4	10 mm	9.9 mm
R-WS-915-6	M6	15 mm	15.2 mm



Tower

This tower is used to fixture small components vertically. On two sides it has two rows of M4 threaded holes and on the other two sides it has one row of M4 threaded holes. Threads are spaced at 10 mm intervals. This component is made from hard anodised aluminium, with a steel base.

N.B. Includes socket head cap screws and washers.

Part no.	Thread	Height	Width
R-T-2080-4	M4	80 mm	20 mm



Quick slide plate

Threaded slide plate, designed to mount fixturing components to, using the Quick Load Corner (QLC). This component is made from anodised aluminium.

N.B. Includes socket head cap screws and washers.

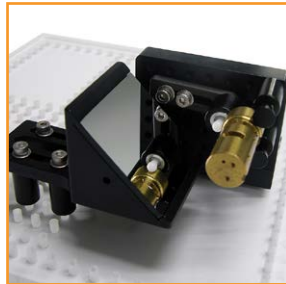
Part no.	Thread	Height	Width	Length
R-PSQ-2042-4	M4	17.6 mm	20 mm	79 mm
R-PSQ-3272-4	M4	17.6 mm	32 mm	109 mm



Adjustable angle plate

Ideal for holding components on any angle. The angle plate is adjustable over 180° and can be set into fixed positions vertically or horizontally. This component is made from anodised aluminium.

Part no.	Thread	Height	Width	Length
R-PCA-135075-15-8	M8	25 mm	51 mm	76 mm



Adjustable 45° slide mirror

This adjustable slide mirror helps to view and inspect larger features on parts, without re-fixturing. It is recommended for use on vision and multi-sensor machines. This component is made from anodised aluminium.

N.B. Includes socket head cap screws and washers.

Part no.	Thread	Height	Width
R-ASM-50-2	M4/M6	45.8 mm	50.4 mm



V blocks

The V blocks are designed for fixturing small cylindrical parts. This improves part access and speeds up fixturing. A magnetic version is available made from steel (R-NTM-1) for holding ferrous parts.

N.B. Part R-VMB-20510 are sold in pairs and made from stainless steel.

Part no.	Height	Width	Depth
R-VMB-20510	10 mm	20 mm	5 mm
R-NTM-1	27.9 mm	27.9 mm	24.9 mm



Rotational micro V

For holding small cylindrical or tubular parts with minimal surface contact. The V can be rotated and locked with a thumb screw to any orientation. The body is made from steel with a stainless steel V.

Part no.	Thread	Height	Width
R-VMR-1525-4	M4	26.5 mm	15.9 mm
R-VMR-1525-6	M6	26.5 mm	15.9 mm



Rotational angle vice

The rotational angle vice provides quick, convenient staging for a variety of parts and can be mounted directly on the rails of your comparator with dovetail nuts*. The angle and rotation of the vice can be adjusted to suit a wide variety of applications. The vice can pivot from 0 to 90° and also rotate 360°. This component is made from anodised aluminium.

* Dovetail nuts not included as standard.

Part no.	Thread	Height	Base dia.
R-CRAV	M4/M6	91.8 mm	106.4 mm

More freedom to fixture with Renishaw metrology tables

The modular construction of Renishaw's metrology tables provides flexibility to mount portable CMMs. Compatible with any portable CMM, white light or laser system, our metrology tables give you the freedom to move about your workshop or metrology inspection area with ease.

Stability

Every fixture plate is secured to the metrology table frame with mounting holes, adding to the stability and rigidity of the table. This also allows users to mount heavy parts to the table without the top plate flexing or distorting.

Portability

Each table is fitted with levelling casters for easy height adjustments and manoeuvrability around your metrology or inspection area.

Repeatability

The fixture plates are precision ground and hard coat anodised to resist scratching and increase durability. All plates come with alpha-numeric labelling as standard, for correctly documenting each fixture setup.

Compatibility

Fixture your parts using individual modular fixturing components, those from a component kit or custom fixtures.

No down time

Our metrology tables come fully assembled, just unbox and start measuring.

Designed to suit your needs

Metrology fixture tables are available in any size to suit your requirements.

Each metrology table is carefully designed and created to provide a solution to fulfil your application needs.

To receive a tailored quotation please contact your local sales representative or visit www.renishaw.com/fixturetable



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Renishaw is an established world leader in engineering technologies, with a strong history of innovation in product development and manufacturing. Since its formation in 1973, the company has supplied leading-edge products that increase process productivity, improve product quality and deliver cost-effective automation solutions.

A worldwide network of subsidiary companies and distributors provides exceptional service and support for its customers.

Products include:

- Additive manufacturing and vacuum casting technologies for design, prototyping, and production applications
- Dental CAD/CAM scanning systems and supply of dental structures
- Encoder systems for high-accuracy linear, angle and rotary position feedback
- Fixturing for CMMs (co-ordinate measuring machines) and gauging systems
- Gauging systems for comparative measurement of machined parts
- High-speed laser measurement and surveying systems for use in extreme environments
- Laser and ballbar systems for performance measurement and calibration of machines
- Medical devices for neurosurgical applications
- Probe systems and software for job set-up, tool setting and inspection on CNC machine tools
- Raman spectroscopy systems for non-destructive material analysis
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- Styli for CMM and machine tool probe applications

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