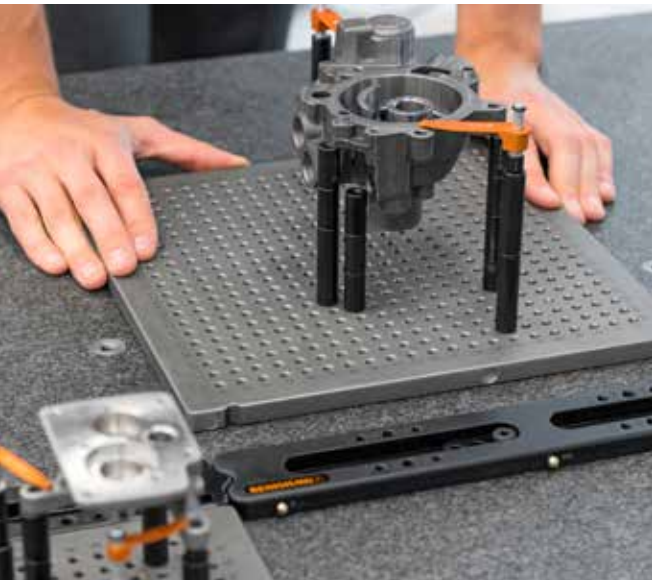
Technical specification

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Renishaw metrology fixturing

Your single source for modular and custom fixturing











Browse and buy components and accessories online 24/7, at **www.renishaw.com/shop**



Do you have any questions or want to discuss your metrology fixturing solution further? Get in touch with your local sales office on **1-800-847-6045**



Find our digital catalogue and additional product information online, at **www.renishaw.com/fixtures**

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REVO-2
SPRINT™
3D SCAN
RENISHAW
RMP400
RENGAGE™ 3D
SERIAL No
RENISHAW
MADE IN UK
BAT001B0

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Your partner in precision

Welcome to Renishaw

As one of the world's leading engineering and scientific technology companies, Renishaw has expertise in precision measurement, healthcare and metal additive manufacturing (also referred to as 3D printing).

Green lights everywhere

We exist to help our customers achieve new levels of precision, efficiency and profitability.

All of our work is based on a single-minded determination to drive out sources of process variation, enhance precision control and extend the boundaries of metrology.

As manufacturers ourselves, we understand the need for optimum productivity, which is why we are dedicated to reliability in our products and unquestioning support and service in our solutions.

We aim now, as we have always done, to be the first and the best in metrology, so that, when you walk around your manufacturing facilities, you see the universal sign that your business is running smoothly: green lights everywhere.

Extreme accuracy

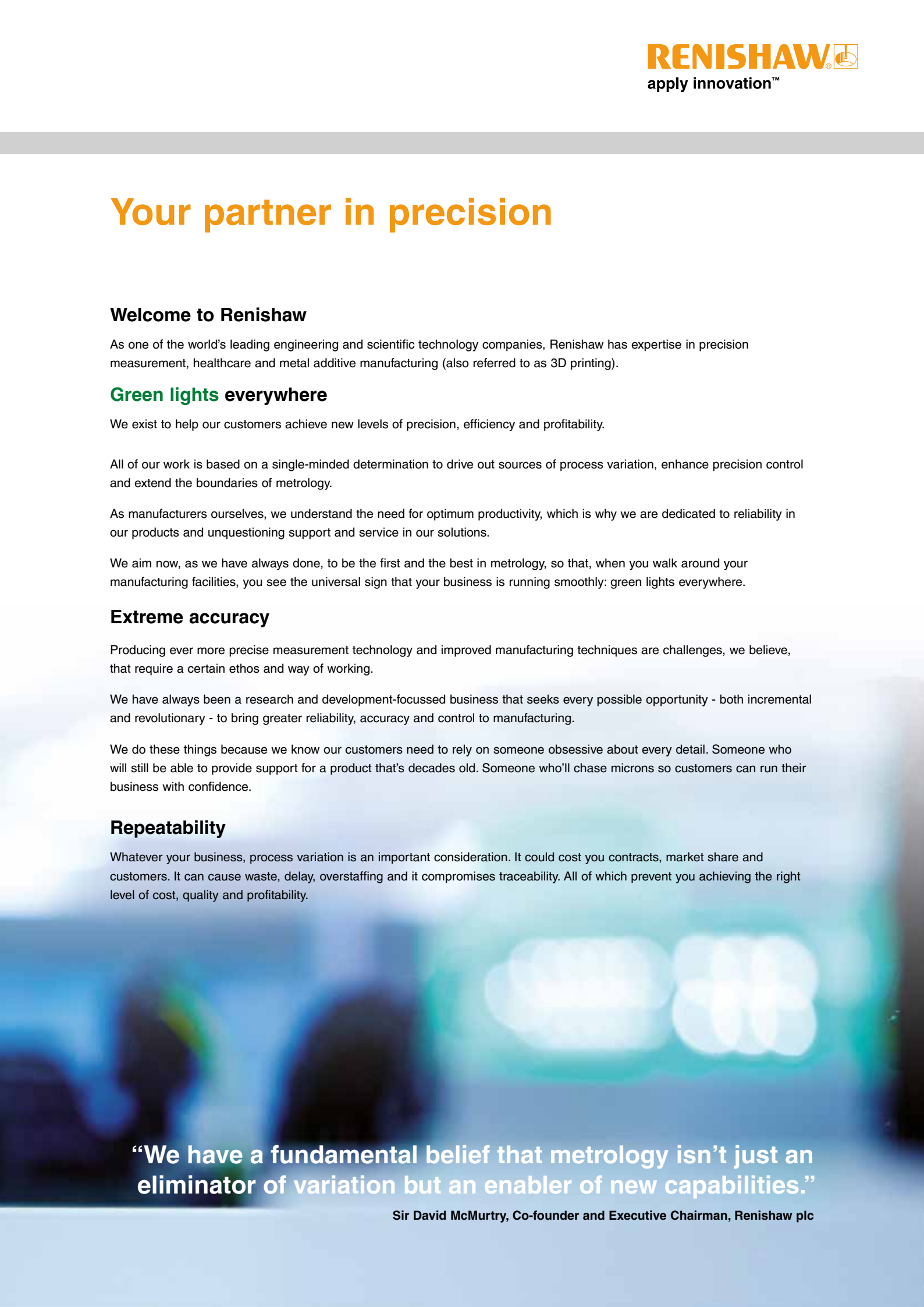
Producing ever more precise measurement technology and improved manufacturing techniques are challenges, we believe, that require a certain ethos and way of working.

We have always been a research and development-focussed business that seeks every possible opportunity - both incremental and revolutionary - to bring greater reliability, accuracy and control to manufacturing.

We do these things because we know our customers need to rely on someone obsessive about every detail. Someone who will still be able to provide support for a product that's decades old. Someone who'll chase microns so customers can run their business with confidence.

Repeatability

Whatever your business, process variation is an important consideration. It could cost you contracts, market share and customers. It can cause waste, delay, overstaffing and it compromises traceability. All of which prevent you achieving the right level of cost, quality and profitability.



"We have a fundamental belief that metrology isn't just an eliminator of variation but an enabler of new capabilities."

Sir David McMurtry, Co-founder and Executive Chairman, Renishaw plc


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Why choose Renishaw fixtures?

Renishaw metrology fixtures will give you the clear advantage

- Our large range of modular fixturing components and custom design capabilities provides a solution for any application and parts of almost any size, shape or material.
- Most components are hand-tightened and require no special tools, making fixturing set-ups quick and easy.
- Set-ups can be documented and repeated with speed and precision using our alpha-numerically labelled base plates.
- Unrivalled durability and wear resistance with Renishaw's heat treated steel components and Nituff® hardcoat anodized base plates.
- Improved productivity during part inspection with Renishaw's FixtureBuilder software; create fixturing set-ups, provide documentation and assist off-line programming.
- Maximum flexibility when fixturing with a wide choice of base plates and components available in M4, M6 and M8 metric and ¼-20 imperial thread sizes.

Perfect your process control

Within Renishaw's industry recognized Productive Process Pyramid™ framework for process control, the 'post-process monitoring' phase is the final step to ensure effective end-to-end metrology. It is within this phase that consideration needs to be given to the fixturing solution to maximize the effectiveness of a CMM, vision machine or flexible gauge.

There are many benefits that the correct use of metrology fixturing can bring to your inspection process such as repeatability and reproducibility, part positioning and productivity, and cost reduction.

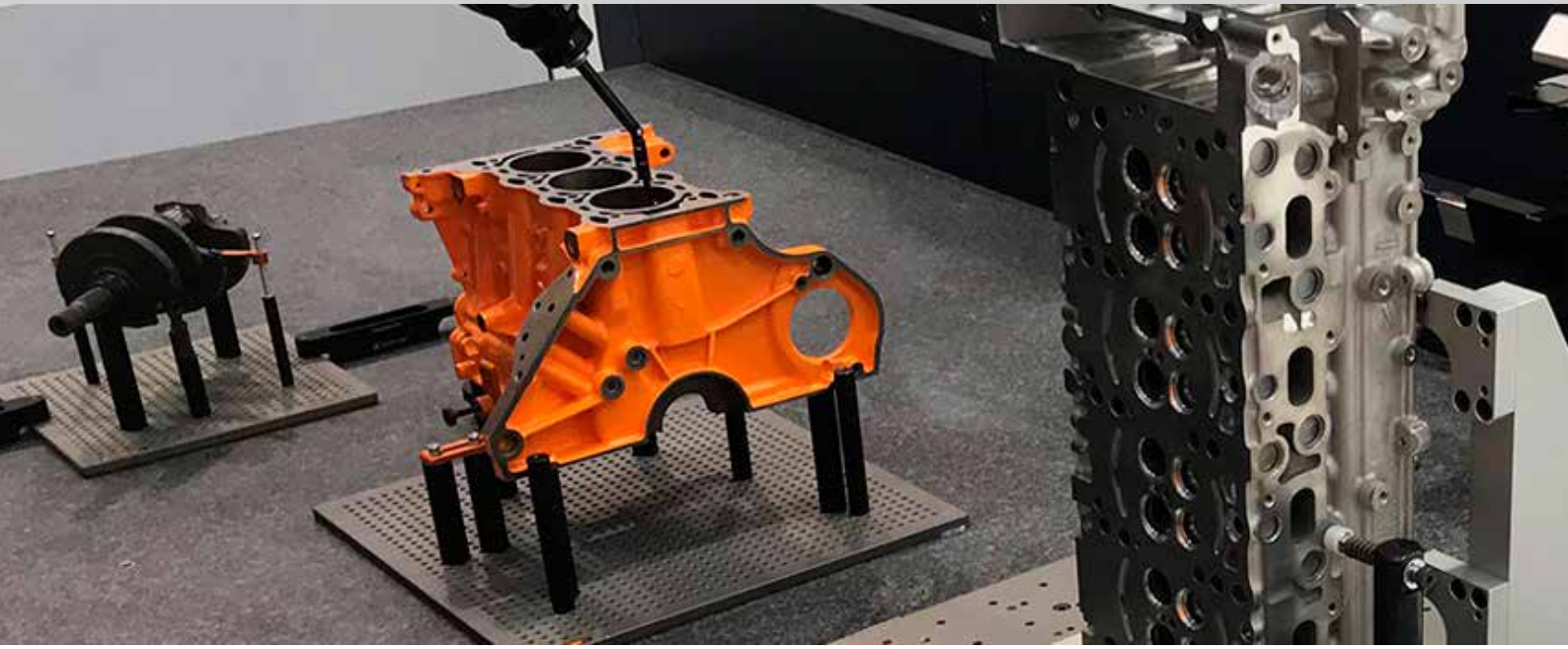




Available online 24/7

As well as ordering metrology fixturing through your local sales representative, you can also purchase our modular fixturing components and FixtureBuilder software through the Renishaw Web shop. It's never been so quick, convenient and easy to order your parts, spares and accessories.

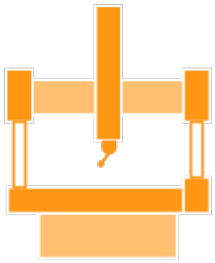
Renishaw's Web shop hosts a range of modular fixturing designed for CMMs, vision systems and the Equator™ gauging system. Parts and accessories for Renishaw's products can be purchased online 24/7, or a quote can be requested by visiting **www.renishaw.com/shop**







Your fixture application

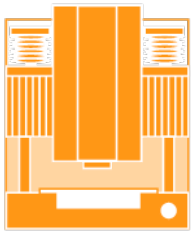


Fixtures for co-ordinate measuring machines (CMMs)

Whether you are inspecting parts for aerospace, automotive, electronics, industrial or medical applications, Renishaw CMM fixtures can provide a full solution to your CMM fixturing requirements.

The range includes fixture plates with M4, M6, M8 or ¼-20 threaded fittings in a wide choice of standard sizes, and an extensive selection of easy-to-use modular fixturing components. Perfect fixturing solutions can be assembled very quickly to increase throughput and avoid downtime in inspection.

Renishaw CMM fixtures can improve the throughput, reproducibility and accuracy of your inspection process by providing quick and repeatable fixturing set-ups for your components. Renishaw CMM fixtures are modular and can be expanded with your requirements to provide a complete fixturing solution for any part regardless of its size, shape or material.



Fixtures for vision systems

Renishaw's multi-hole and multi-window precision acrylic base plates allow for backlighting and a clear, clean view of the part. Fixturing components can quickly be threaded into the base plate and arranged in any configuration, allowing the part to be held in a virtually free state with very little force applied to the surface. The part can be viewed easily without obstruction to the backlight or probe path. Fixturing components can be placed within a tight circumference to hold and locate the smallest of parts.

Renishaw's vision fixtures offer two unique fixturing solutions designed to fit your specific vision system or multi-sensor machine:

- QuickLoad™ corner (QLC)
- Interchangeable vision fixture (IVF)

Each system uses an acrylic base plate that allows for the use of backlighting for a clear view of the part on your vision system.



Fixtures for Equator™ gauging system

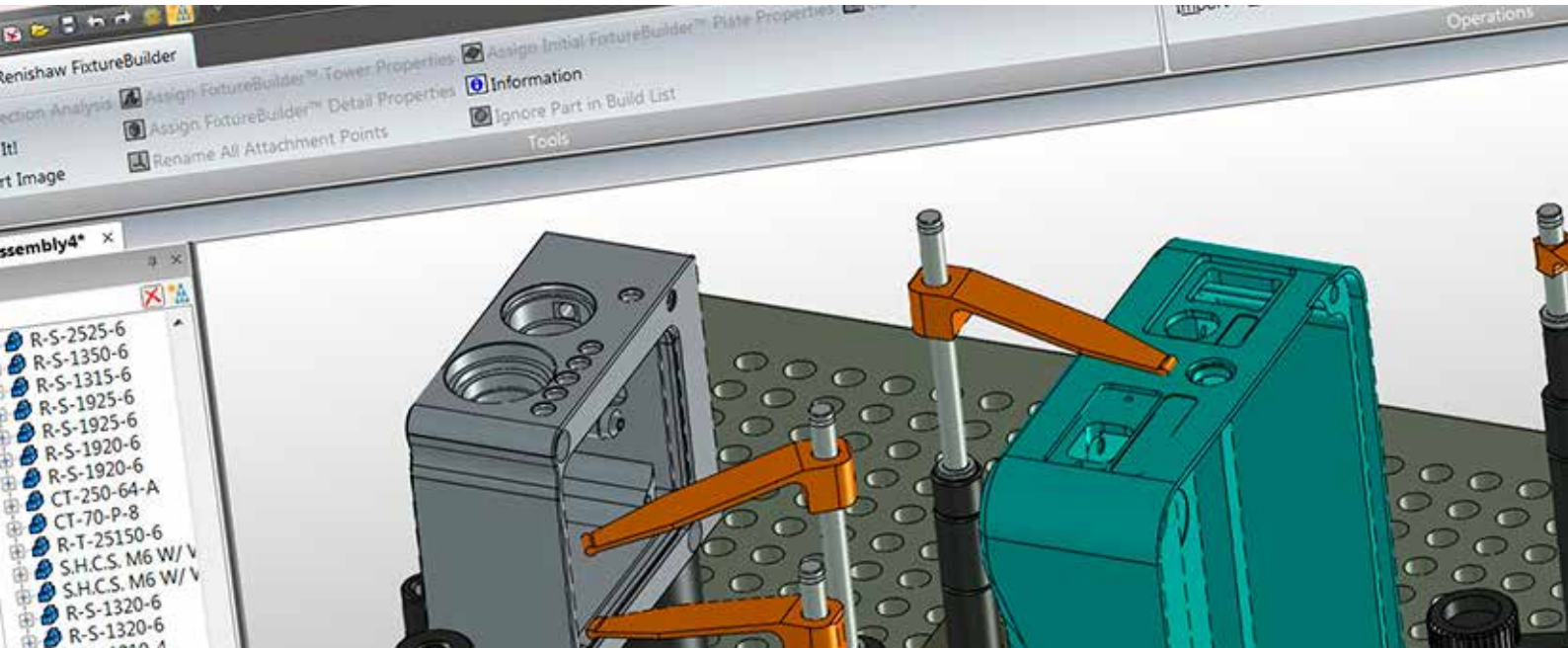
The loading and positive engagement of the Renishaw Equator system fixtures base plate allows for a quick changeover of parts, on and off the Equator system, within seconds. Each fixture is repeatedly located and securely held in place with a unique 3-point kinematic system.

Multiple holes on the base plate ensure flexibility for fixturing a range of parts. Each plate is alphanumerically labelled so that the set-up can be recorded and documented, allowing the user to repeat the set-up quickly and accurately.

Fixturing components can be easily threaded into the base plate and positioned for minimal contact on and around the part. This provides an unobstructed probe path and the ability to inspect every detail on the part.



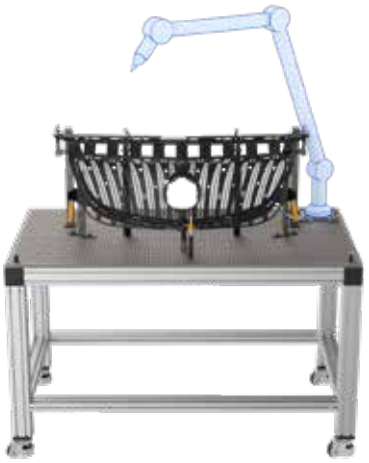



Renishaw FixtureBuilder
Assign FixtureBuilder™ Tower Properties
Assign FixtureBuilder™ Detail Properties
Rename All Attachment Points
Assign Initial FixtureBuilder™ Plate Properties
Information
Ignore Part in Build List
Tools
Operations
ssembly4*
R-S-2525-6
R-S-1350-6
R-S-1315-6
R-S-1925-6
R-S-1925-6
R-S-1920-6
R-S-1920-6
CT-250-64-A
CT-70-P-8
R-T-25150-6
S.H.C.S. M6 W/
S.H.C.S. M6 W/
R-S-1320-6
R-S-1320-6

Fixturing solutions

Metrology fixture tables

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.



The modular construction of Renishaw's metrology tables provide flexibility to mount portable CMMs. Improve your inspection process with our metrology tables and discover the following benefits:

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 anodized 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 or a custom fixture. Ordering one of our universal adapter plates (R-PAACU) will allow for fitment of any Faro, Romer or Nikon portable CMMs.



No downtime: Our metrology tables come fully assembled, just un-crate and start measuring.

Designed to suit your needs: Metrology fixture tables are available in any size to suit your requirements. Base plates are available in both a clear hard coat or black hard coat anodized finish (black finish ideal for vision related applications).

Renishaw's metrology fixture tables are available in both standard sizes (see table below) or custom sizes with fully customisable options such as drawers, shelves and monitor or laptop brackets.

Contact your local sales representative for more information or visit **www.renishaw.com/fixturetable**

Standard sized metrology fixture tables

Part number	Thread	Height	Width	Depth	Thread spacing
R-TM-1200900-25-6	M6	914 mm	1200 mm	900 mm	25 mm
R-TM-1500900-25-6	M6	914 mm	1500 mm	900 mm	25 mm
R-TM-18001200-25-6	M6	914 mm	1800 mm	1200 mm	25 mm
R-TM-1200900-30-8	M8	914 mm	1200 mm	900 mm	30 mm
R-TM-1500900-30-8	M8	914 mm	1500 mm	900 mm	30 mm
R-TM-18001200-30-8	M8	914 mm	1800 mm	1200 mm	30 mm
R-TM-4836-1-20	¼-20	36 in	48 in	36 in	1 in
R-TM-6036-1-20	¼-20	36 in	60 in	36 in	1 in
R-TM-7248-1-20	¼-20	36 in	72 in	48 in	1 in

N.B. Don't forget to order a universal adapter plate **R-PAACU** to allow fitment of any Faro, Romer or Nikon portable CMM to your metrology table (see page 60). Contact your local sales representative for a black finish plate top.

FixtureBuilder software

Renishaw's FixtureBuilder is a 3D-modelling software package designed to allow the creation and documentation of fixturing set-ups. It can also be used to assist with offline programming.

Easy to use: All standard base plates and fixturing components are conveniently organized into tabbed catalogues, grouped by component category and thread size.

Flexible: Users can create custom fixturing set-ups and components, e.g. custom plates, and store them in user-defined libraries for future use and reference.

Less time offline: You can export the part and the fixture together. This can greatly reduce editing when programming offline in your CMM or vision software, where fixturing components could interfere with probe clearances.

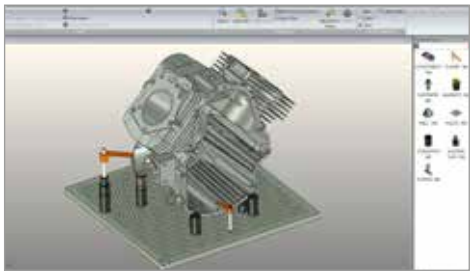
Try before you buy and download a free trial online at **www.renishaw.com/fixturebuilderdownload**

> "Renishaw's FixtureBuilder software has improved our ability to programme off-line. The software package enables us to build and export fixture set-ups using 3D models, which we then use to create inspection programmes before the part is ready. In some cases, before the part has even been manufactured! We can work from a 3D model in FixtureBuilder to create the fixture, and use this model to programme well ahead of time.."
>
> **Tritech Precision Products Yeovil (UK)**



Intelligent 'Drag and drop' functionality

Simply drag and drop the components onto a plate or another component. The *SmartSnap® technology automatically aligns them while indicating the mating hole, X, Y and Z co-ordinates.



Full CAD compatibility

FixtureBuilder offers the ability to import and export most common 3D CAD files. An additional translator module for CATIA, Pro/E, UGNX, Solidworks® and Inventor® is also available for purchase.



Compliance and quality standards

The 'Build it' function is one of the key benefits to all FixtureBuilder software users. It allows the automated production of a complete bill of materials and work instructions for every fixture set-up.

*SmartSnap®, TriBall® are registered trademarks of IronCAD

Custom designed fixtures

If Renishaw's standard range of modular fixturing does not meet your requirements, we can provide you with custom fixtures for your CMM, vision or Equator™ gauging system.

Custom fixturing applications are used across a variety of industries from aerospace to automotive and medical to precision manufacturing.

Renishaw's engineers will design and build a custom fixture best suited to your requirements. All aspects of the application are taken into consideration, including:

- How frequently the part will be measured
- The type of material, size and shape of the part
- The dimensions and tolerances of the part
- The datums or orientation of the part
- The weight and size of the fixture

To enable us to provide the best solution, you can submit your pictures, parts, drawings and CAD files for review to your local sales representative.

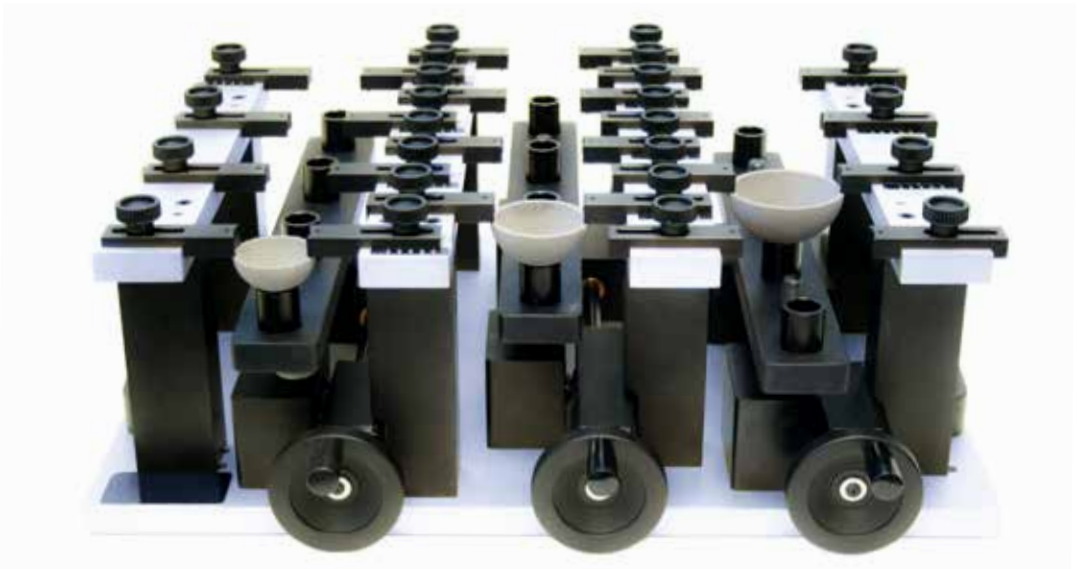
Custom fixtures can also be designed to include our QuickLoad rail system for CMM and QuickLoad corners for vision applications.

For more information, please contact your local sales office or complete a custom fixture request form by visiting **www.renishaw.com/customfixture**









QuickLoad™ rail system

The QuickLoad rail system allows for increased speed and flexibility, while maintaining repeatability and reproducibility when loading and locating base plates onto a CMM.



The QuickLoad rail (QLR) system is rapid, easy and repeatable, allowing the user to set up parts for inspection on multiple plates, and load them to the rail efficiently to maximize throughput. Due to the simplicity of its application, it requires no additional training, so you will be up and running without disruption to your inspection process.

The specially designed QuickLoad base plates locate to the QuickLoad rail, on either side, using quick release magnets and locating pins. This design ensures the plates are located and secured for maximum throughput and unrivalled repeatability. This technology gives users the ability to inspect and release parts swiftly.

The QuickLoad rail's versatile system allows for flexibility when setting up your parts for measurement and provides a robust work-holding solution. It's universal mounting design allows for fitment to any CMM machine.

The design of our rail maximizes the available measuring volume on your CMM. The rail can be located and secured to the CMM's granite on the left, centre, right or to an existing modular base plate, allowing multiple plates and configurations to be used, that utilize one or both sides of the QuickLoad rail.

Custom fixtures can be designed for use with the QuickLoad rail system allowing for increased flexibility and repeatability of your part inspection process.

The QuickLoad rail system is available to purchase separately or in sets. Additional thread sizes and custom sized plates are also available to order, contact your local sales representative for more information or visit **www.renishaw.com/quickloadrail**



QuickLoad rails

Part number	Thread	Thickness	Width	Length
R-QLR-1350450	M4/M6/M8	12.4 mm	50.8 mm	457.2 mm
R-QLR-1350600	M4/M6/M8	12.4 mm	50 mm	600 mm
R-QLR2-1350600 (x2 rails)	M4/M6/M8	12.4 mm	50 mm	600 mm
R-QLR-50218	¼-20	0.5 in	2 in	18 in
R-QLR-50224	¼-20	0.5 in	2 in	24 in
R-QLR2-50224 (x2 rails)	¼-20	0.5 in	2 in	24 in

Included: all QuickLoad rails come with locating washers and M6, M8, M10, M12 and ¼-20 cap head screws.

QuickLoad plates

Part number	Thread	Height	Width	Depth	Hole spacing
R-QLPC-13150150-12-6	M6	12.7 mm	150 mm	150 mm	12.5 mm OC
R-QLPC-13300300-12-6	M6	12.7 mm	300 mm	300 mm	12.5 mm OC
R-QLPC-13450450-12-6	M6	12.7 mm	450 mm	450 mm	12.5 mm OC
R-QLPC-13300300-15-8	M8	12.7 mm	300 mm	300 mm	15 mm OC
R-QLPC-13450450-15-8	M8	12.7 mm	450 mm	450 mm	15 mm OC
R-QLPC-5066-50-20	¼-20	0.5 in	6 in	6 in	0.5 in OC
R-QLPC-501212-50-20	¼-20	0.5 in	12 in	12 in	0.5 in OC
R-QLPC-501818-50-20	¼-20	0.5 in	18 in	18 in	0.5 in OC

N.B. Custom plate sizes and additional thread sizes available upon request, contact your local sales representative for more information.

QuickLoad rail and plate sets

Part number	Thread	Contents	Quantity
R-KQL-A-6	M6	R-QLR-1350600	1
		R-QLPC-13300300-12-6	2
R-KQL-B-6	M6	R-QLR-1350600	2
		R-QLPC-13300300-12-6	2
		R-QLPC-13450450-12-6	2
R-KQL-A-8	M8	R-QLR-1350600	1
		R-QLPC-13300300-15-8	2
R-KQL-B-8	M8	R-QLR-1350600	2
		R-QLPC-13300300-15-8	2
		R-QLPC-13450450-15-8	2
R-KQL-A-20	¼-20	R-QLR-50224	1
		R-QLPC-501212-50-20	2
R-KQL-B-20	¼-20	R-QLR-50224	2
		R-QLPC-501212-50-20	2
		R-QLPC-501818-50-20	2

Included: all QuickLoad rails come with locating washers and M6, M8, M10, M12 and ¼-20 cap head screws.

QuickLoad™ corner (QLC)

Renishaw's QuickLoad™ corner (QLC) system is designed to fit your specific vision machine.

This system is made to fit the lower left hand corner of your vision stage and the location of its mounting holes. The QuickLoad corner contains magnets that allow Renishaw's vision acrylic base plates to snap into a precise and repeatable position, enabling quick and easy loading and unloading of plates. Steel pins are pressed into the sides of the plate to fit the magnets contained in the QLC.



The edges of the QLC are serrated so that parts can be mounted directly against them with Renishaw fixturing components. This enables quick and easy viewing for inspection.

There are two plate options to choose from to accompany your QLC:

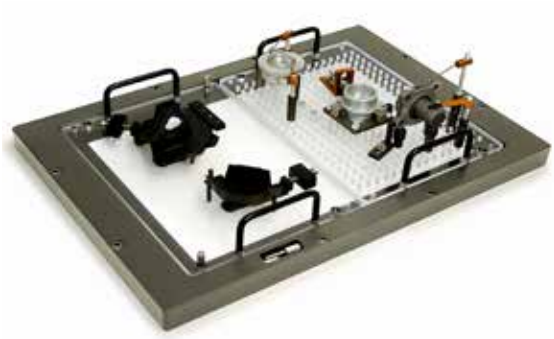
- **Multi-hole** - Set up multiple parts on the plate at one time. Ideal for fixturing parts of various shapes and sizes.
- **Multi-window** - Allows a clear, unobstructed view of your parts. Multi-window plates can accommodate numerous parts at one time with different size window options. Ideal for small part inspection.



Interchangeable vision fixture (IVF)

Renishaw's interchangeable vision fixture (IVF) is ideal for machines 450 mm × 450 mm or larger.

The interchangeable vision fixture (IVF) makes holding parts an easy and efficient turnkey fixturing method. Easily switch multiple fixturing plates on and off the aluminium frame mounted to your vision system.



The anodized aluminium frame and acrylic fixture plates are custom made to fit and mount to your specific vision machine taking into account the mounting of your probe rack and calibration artefacts.

Fixturing plates can be different sizes, depending on the size of your frame and parts and the number of parts you are inspecting. Plates are designed to use all, 1/2, 1/4 or 1/8 of the frames total size and are equipped with handles to load on to the frame. Modular plates come with your choice of multi-hole or multi-window threaded hole pattern.

Interchangeable fixture plates can be modular with M4, M6 or ¼-20 threaded holes (10 mm or 0.50 in OC) or Renishaw can design and build a custom fixture for your parts.

A combination of both modular and custom fixture plates can be made to fit the same IVF frame. Some parts are better suited for custom fixturing depending on the orientation, complexity ort the part and the frequency of the inspection.

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Fixture kits

Steps to building the right fixture kit

It's easy to get started and build your own fixture kit using the simple steps below. Get in touch with our expert sales representatives who can help you build a kit unique to your needs.

A kit consists of one base plate and a comprehensive set of components available for CMM, vision, - including a QuickLoad™ corner (QLC) - and Equator™ gauging systems. The type of parts you are going to fixture, your machine and application, will determine which kit you choose. Renishaw offers a range of different kit choices depending on your application.

Custom options are available, contact your local sales representative for more information.

Building your fixture kit

CMM and Equator kits:

1. Choose a thread size: M4, M6, M8 or ¼-20
2. Choose the size of your fixture base plate
3. Choose a set of components (clamping or magnetic and clamping)

Vision and QLC kits:

1. Choose a thread size: M4, M6 or ¼-20
2. Choose the size of your fixture acrylic base plate (multi-hole or multi-window)
3. Choose your QLC
4. Choose a set of components

Additional considerations when building your kit

CMM and Equator™ gauging system:

- Clamping component set
- Magnetic and clamping component set

If you are fixturing steel or cast iron parts, a magnetic and clamping component set is recommended.

Component sets are available with increasing amounts of components from A, our smallest component set, to B, our medium sized set, and finally C, our largest set. Additional components can be purchased individually to expand your kit.

Vision:

- Multi-hole acrylic plate - more holes for attaching more components
- Multi-window acrylic plate - more windows for optimal viewing of small parts

Don't forget to select the correct QLC specific to your vision or multi-sensor machine to accompany your acrylic base plate. To find the correct QLC compatible with your machine, please contact your local sales representative.

Fixture base plates

Choosing the correct fixture base plate

Renishaw fixture base plates are designed to allow the fixturing of all workpieces, from very small delicate parts, up to large, heavy industrial components. Renishaw's fixture base plates are available for three main applications CMM, vision and Equator™ gauging system and because of this, there are several factors which need to be considered when choosing the correct fixture base plate:

- Application (CMM, vision or Equator gauging system)
- Machine type
- Base plate size
- Thread size

Additional considerations for aluminium base plates

For aluminium base plates, it is important to ensure you secure your plate to the granite surface of your CMM bed. Securing your base plate is always advised, to maintain accuracy and repeatability during your inspection process.

The two available options when securing your base plates are:

Plate clamps:

- Plates clamps can be purchased for an additional cost and can be used to secure any standard or custom fixture base plates to your CMM granite, plate clamp part no. R-CPC-190 (see page 50).

Mounting holes:

- These are only provided on a request basis and should be discussed with your sales representative when placing your order. Mounting holes can be added to any standard or custom base.



M8 CMM aluminium plate,
12.7 mm × 450 mm × 450 mm



M6 Equator™ plate,
12.7 mm × 300 mm × 300 mm



¼-20 multi-hole acrylic plate,
0.5 in × 10 in × 10 in



M4 multi-window acrylic plate,
11.7 mm × 250 mm × 250 mm

CMM base plates

Renishaw CMM fixture base plates are precision ground within tight tolerances that are key to the quality of the modular Renishaw fixtures system.



Base plates are available in standard and custom sizes with a choice of threaded holes: M4, M6, M8* or ¼-20. Cast aluminium base plates are coated with Nituff® hard coat anodize to resist wear and scratching and are available in sizes up to 1500 mm × 3000 mm (60 in × 120 in). Custom sized plates are available to order.

Don't forget to ask your local sales representative about securing your plate to the CMM granite. This can be done either with Renishaw's plate clamps or mounting holes.

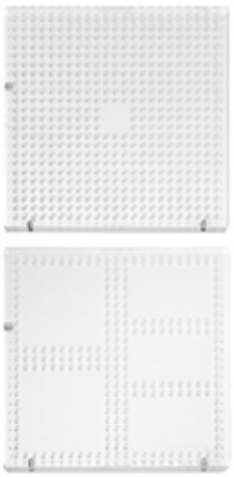
* M12 thread size available upon request.

Part number	Thread	Height	Width	Depth	Spacing
M4 plates					
R-PC-13150150-10-4	M4	13 mm	150 mm	150 mm	10 mm OC
R-PC-13300300-10-4	M4	13 mm	300 mm	300 mm	10 mm OC
M6 plates					
R-PC-13150150-12-6	M6	13 mm	150 mm	150 mm	12.5 mm OC
R-PC-13300300-12-6	M6	13 mm	300 mm	300 mm	12.5 mm OC
R-PC-13450450-12-6	M6	13 mm	450 mm	450 mm	12.5 mm OC
R-PC-19600600-12-6	M6	19 mm	600 mm	600 mm	12.5 mm OC
R-PC-19750750-12-6*	M6	19 mm	750 mm	750 mm	12.5 mm OC
R-PC-197501000-12-6*	M6	19 mm	750 mm	1000 mm	12.5 mm OC
R-PC-199001200-12-6*	M6	19 mm	900 mm	1200 mm	12.5 mm OC
M8 plates					
R-PC-13300300-15-8	M8	13 mm	300 mm	300 mm	15 mm OC
R-PC-13450450-15-8	M8	13 mm	450 mm	450 mm	15 mm OC
R-PC-19600600-15-8	M8	19 mm	600 mm	600 mm	15 mm OC
R-PC-19750750-15-8*	M8	19 mm	750 mm	750 mm	15 mm OC
R-PC-197501020-15-8*	M8	19 mm	750 mm	1020 mm	15 mm OC
R-PC-199001200-15-8*	M8	19 mm	900 mm	1200 mm	15 mm OC
¼-20 plates					
R-PC-5066-50-20	¼-20	0.5 in	6 in	6 in	0.5 in OC
R-PC-501212-50-20	¼-20	0.5 in	12 in	12 in	0.5 in OC
R-PC-501818-50-20*	¼-20	0.5 in	18 in	18 in	0.5 in OC
R-PC-752424-50-20*	¼-20	0.75 in	24 in	24 in	0.5 in OC
R-PC-752840-50-20*	¼-20	0.75 in	28 in	40 in	0.5 in OC
R-PC-753030-50-20*	¼-20	0.75 in	30 in	30 in	0.5 in OC
R-PC-753648-50-20*	¼-20	0.75 in	36 in	48 in	0.5 in OC

* Mounting holes may also be added and longer lead times may apply to larger plates.

Vision base plates

Our acrylic fixture base plates can be customized to fit and mount to your vision stage with a small area in the centre of the plate without threaded holes, which allows an unrestricted view for very small parts.



Acrylic base plates are 13 mm (0.50 in) thick and available in sizes from 150 mm × 150 mm (6 in × 6 in) up to 400 mm × 400 mm (16 in × 16 in), available with M4, M6 or ¼-20 threaded holes. Custom sized plates are available to order.

There are two base plate options to choose from:

Multi-hole - offers greater flexibility to set up and check as many parts as possible at one time with a clear area in the centre of the plate.

Multi-window - more windows for the clearest view of small parts.

Don't forget to select the correct QuickLoad™ corner (QLC) specific to your vision or multi-sensor machine to accompany your acrylic base plate. To find the correct QLC compatible with your machine, please contact your local sales representative.

Part number	Thread	Height	Width	Depth	Windows	Spacing
M4 multi-hole plates (ideal for parts 75 mm × 75 mm or smaller)						
R-PV-13150150-10-4	M4	13 mm	150 mm	150 mm	-	10 mm OC
R-PV-13200200-10-4	M4	13 mm	200 mm	200 mm	-	10 mm OC
R-PV-13250150-10-4	M4	13 mm	250 mm	150 mm	-	10 mm OC
R-PV-13250250-10-4	M4	13 mm	250 mm	250 mm	-	10 mm OC
R-PV-13300200-10-4	M4	13 mm	300 mm	200 mm	-	10 mm OC
R-PV-13300300-10-4	M4	13 mm	300 mm	300 mm	-	10 mm OC
R-PV-13400400-10-4	M4	13 mm	400 mm	400 mm	-	10 mm OC
R-PV-13250150-10-4R*	M4	13 mm	250 mm	150 mm	-	10 mm OC
R-PV-13200200-10-4R*	M4	13 mm	200 mm	200 mm	-	10 mm OC
R-PV-13250250-10-4R*	M4	13 mm	250 mm	250 mm	-	10 mm OC
R-PV-13300200-10-4R*	M4	13 mm	300 mm	200 mm	-	10 mm OC
M4 multi-window plates						
R-PV-W-13150150-10-4	M4	13 mm	150 mm	150 mm	4	10 mm OC
R-PV-W-13200200-10-4	M4	13 mm	200 mm	200 mm	5	10 mm OC
R-PV-W-13250150-10-4	M4	13 mm	250 mm	150 mm	3	10 mm OC
R-PV-W-13250250-10-4	M4	13 mm	250 mm	250 mm	5	10 mm OC
R-PVW-13300200-10-4	M4	13 mm	300 mm	200 mm	3	10 mm OC
R-PVW-13300300-10-4	M4	13 mm	300 mm	300 mm	8	10 mm OC
R-PV-W-13400400-10-4	M4	13 mm	400 mm	400 mm	7	10 mm OC
R-PVW-13200200-10-4R*	M4	13 mm	200 mm	200 mm	5	10 mm OC
R-PVW-13250150-10-4R*	M4	13 mm	250 mm	150 mm	3	10 mm OC
R-PVW-13250250-10-4R*	M4	13 mm	250 mm	250 mm	5	10 mm OC
R-PVW-13300200-10-4R*	M4	13 mm	300 mm	200 mm	3	10 mm OC
M6 multi-hole plates						
R-PV-13150150-12-6	M6	13 mm	150 mm	150 mm	-	12.5 mm OC
R-PV-13250250-12-6	M6	13 mm	250 mm	250 mm	-	12.5 mm OC
M6 multi-window plates						
R-PV-W-13250150-12-6	M6	13 mm	250 mm	150 mm	4	12.5 mm OC
R-PV-W-13250250-12-6	M6	13 mm	250 mm	250 mm	5	12.5 mm OC
R-PV-W-13400400-12-6	M6	13 mm	400 mm	400 mm	7	12.5 mm OC

*The letter R at end of a vision plate part number indicates that the plate is designed for use with a lower right mounting QLC.

Vision base plates continued

Part number	Thread	Height	Width	Depth	Windows	Spacing
¼-20 multi-hole plates						
R-PV-5066-50-20	¼-20	0.5 in	6 in	6 in	-	0.5 in OC
R-PV-501010-50-20	¼-20	0.5 in	10 in	10 in	-	0.5 in OC
R-PV-50128-50-20	¼-20	0.5 in	12 in	8 in	-	0.5 in OC
R-PV-501616-50-20	¼-20	0.5 in	16 in	16 in	-	0.5 in OC
R-PV-501010-50-20R*	¼-20	0.5 in	10 in	10 in	-	0.5 in OC
R-PV-501212-50-20R*	¼-20	0.5 in	12 in	12 in	-	0.5 in OC
¼-20 multi-window plates						
R-PV-W-50106-50-20	¼-20	0.5 in	10 in	6 in	4	0.5 in OC
R-PV-W-501010-50-20	¼-20	0.5 in	10 in	10 in	5	0.5 in OC
R-PVW-50128-50-20	¼-20	0.5 in	12 in	8 in	4	0.5 in OC
R-PV-W-501616-50-20	¼-20	0.5 in	16 in	16 in	7	0.5 in OC
R-PVW-501010-50-20R*	¼-20	0.5 in	10 in	10 in	5	0.5 in OC
R-PVW-501212-50-20R*	¼-20	0.5 in	12 in	12 in	6	0.5 in OC

*R at end of part number indicates that the plate is designed for use with a lower right mounting QLC.

Equator™ gauging system base plates

Base plates for Renishaw Equator system fixtures use a 3-point kinematic system and can be taken on and off the Equator system within seconds.

The base plates are available in M4, M6, M8 or ¼-20 thread sizes and are all precision ground within tight tolerances.

Each plate is cast aluminium and coated with Nituff® hard coat anodize to reduce wear and scratching.



Part number	Thread	Height	Width	Depth	Spacing
M4 plate					
R-PCR-13300300-10-4	M4	13 mm	300 mm	300 mm	10 mm OC
M6 plate					
R-PCR-13300300-12-6	M6	13 mm	300 mm	300 mm	12.5 mm OC
R-PCR-13510510-25-6	M6	13 mm	510 mm	510 mm	25 mm OC
M8 plate					
R-PCR-13300300-15-8	M8	13 mm	300 mm	300 mm	15 mm OC
¼-20 plate					
R-PCR-501212-50-20	¼-20	0.5 in	12 in	12 in	0.5 in OC

CMM and Equator™ gauging system component sets

M4 CMM and Equator system component set: Clamping

The M4 CMM and Equator system clamping kits can be used to hold brass, titanium, aluminium, plastic and other non-ferrous parts.

To build your kit, select an appropriately sized base plate for your requirements with M4 threaded holes. Don't forget to ask your sales representative to add on plate clamps or mounting holes to your order to secure your plate to the CMM granite.



R-FSC-CA-4

Part number	Description	Set A (part no. R-FSC-CA-4)
R-S-610-4*	6 mm dia. × 10 mm standoff	3
R-S-625-4*	6 mm dia. × 2 mm standoff	3
R-S-95-4*	9 mm dia. × 5 mm standoff	3
R-S-910-4	9 mm dia. × 10 mm standoff	3
R-S-925-4	9 mm dia. × 25 mm standoff	3
R-S-950-4	9 mm dia. × 50 mm standoff	2
R-S-1210-4	12 mm dia. × 12 mm standoff	3
R-S-1225-4	12 mm dia. × 25 mm standoff	3
R-S-1250-4	12 mm dia. × 50 mm standoff	2
R-SP-610-4	6 mm dia. × 10 mm pin standoff	2
R-SP-910-4	9 mm dia. × 10 mm pin standoff	2
R-CT-40-25-4	40 mm tension clamp with 25 mm post	2
R-CW-25-25-4	25 mm wire clamp with 25 mm post	3
R-CW-50-50-4	50 mm wire clamp with 50 mm post	2
R-RPA-4	Aluminium resting pin	4
R-AJ-9-4	9 mm dia. adjustable jackstand	1
R-AS-30-4	30 mm long adjustable slide	1
R-AS-45-4	45 mm long adjustable slide	1
R-TB-1619-4	Tower block with base 16 mm^2 × 19 mm	1
R-TC-300190-4	300 mm × 190 mm × 25 mm component tray	1
R-BC10	50 mm × 200 mm × 150 mm compartment box (not shown)	1
Total number of components in each set		**46**

* Component does not have a threaded top

M6 CMM and Equator system component sets: Clamping

The M6 CMM and Equator system clamping kits can be used to hold brass, titanium, aluminium, plastic and other non-ferrous parts.

To build your kit, select an appropriately sized base plate for your requirements with M6 threaded holes. Don't forget to ask your sales representative to add on plate clamps or mounting holes to your order to secure your plate to the CMM granite.



R-FSC-CB-6

Part number	Description	Set A (part no. R-FSC-CA-6)	Set B (part no. R-FSC-CB-6)	Set C (part no. R-FSC-CC-6)
R-S-910-6	9 mm dia. × 10 mm standoff	-	3	6
R-S-1310-6	13 mm dia. × 10 mm standoff	-	-	4
R-S-1320-6	13 mm dia. × 20 mm standoff	3	6	8
R-S-1325-6	13 mm dia. × 25 mm standoff	3	6	8
R-S-1350-6	13 mm dia. × 50 mm standoff	3	6	8
R-S-1910-6	19 mm dia. × 10 mm standoff	-	3	4
R-S-1920-6	19 mm dia. × 20 mm standoff	3	6	8
R-S-1925-6	19 mm dia. × 25 mm standoff	3	6	8
R-S-1950-6	19 mm dia. × 50 mm standoff	3	6	8
R-S-19100-6	19 mm dia. × 100 mm standoff	-	4	6
R-S-2520-6	25 mm dia. × 20 mm standoff	3	6	8
R-S-2525-6	25 mm dia. × 25 mm standoff	3	6	8
R-S-2550-6	25 mm dia. × 50 mm standoff	3	6	8
R-S-25100-6	25 mm dia. × 100 mm standoff	-	4	6
R-SP-1325-6	13 mm dia. × 25 mm pin standoff	2	4	4
R-SP-1925-6	19 mm dia. × 25 mm pin standoff	-	-	2
R-CT-40-30-6	40 mm tension clamp with 30 mm post	2	6	6
R-CT-64-70-6	64 mm tension clamp with 70 mm post	4	12	12
R-CT-95-83-6	95 mm tension clamp with 83 mm post	-	-	3
R-CT-100P-83-6	100 mm tension clamp plunger with 83 mm post	-	-	3
R-CTB-25-6	25 mm tension clamp bracket	-	-	1
R-RCD-6	Delrin® resting cone	4	4	6
R-RPS-6	Steel resting pin	-	4	6
R-APJ-6	Adjustable pivot joint	-	-	1
R-AJ-13-6	13 mm dia. adjustable jackstand	1	2	4
R-AJ-25-6	25 mm dia. adjustable jackstand	-	2	3
R-AS-45-6	45 mm long adjustable slide	1	2	3
R-AS-70-6	70 mm long adjustable slide	1	2	4
R-TB-2025-6	Tower block with base 20 mm^2 × 30 mm	-	2	2
R-T-25300-6	25 mm^2 × 300 mm tower	-	-	1
R-TC-500200	500 mm × 200 mm × 25 mm component tray	1	1	2
R-BC10	50 mm × 200 mm × 150 mm compartment box (not shown)	1	1	2
Total number of components in each set		**44**	**110**	**163**

M6 CMM and Equator system component sets: Magnetic and clamping

The M6 CMM and Equator system magnetic and clamping kits can be used to hold steel, aluminium, plastic, ferrous and other non-ferrous parts.

To build your kit, select an appropriately sized base plate for your requirements with M6 threaded holes. Don't forget to ask your sales representative to add on plate clamps or mounting holes to your order to secure your plate to the CMM granite.



R-FSC-MCB-6

Part number	Description	Set A (part no. R-FSC-MCA-6)	Set B (part no. R-FSC-MCB-6)	Set C (part no. R-FSC-MCC-6)
R-M-13-6	13 mm dia. × 25 mm magnet	3	4	6
R-M-19-6	19 mm dia. × 25 mm magnet	3	4	6
R-M-25-6	25 mm dia. × 25 mm magnet	3	4	6
R-MP-13-6	13 mm dia. × 25 mm pin magnet	-	2	2
R-MP-19-6	19 mm dia. × 25 mm pin magnet	-	-	2
R-S-910-6	9 mm dia. × 10 mm standoff	-	3	4
R-S-1310-6	13 mm dia. × 10 mm standoff	-	-	4
R-S-1320-6	13 mm dia. × 20 mm standoff	3	6	8
R-S-1325-6	13 mm dia. × 25 mm standoff	3	6	8
R-S-1350-6	13 mm dia. × 50 mm standoff	3	6	8
R-S-1910-6	19 mm dia. × 10 mm standoff	-	3	4
R-S-1920-6	19 mm dia. × 20 mm standoff	3	6	8
R-S-1925-6	19 mm dia. × 25 mm standoff	3	6	8
R-S-1950-6	19 mm dia. × 50 mm standoff	3	6	8
R-S-19100-6	19 mm dia. × 100 mm standoff	-	3	6
R-S-2520-6	25 mm dia. × 20 mm standoff	3	6	8
R-S-2525-6	25 mm dia. × 25 mm standoff	3	6	8
R-S-2550-6	25 mm dia. × 50 mm standoff	3	6	8
R-S-25100-6	25 mm dia. × 100 mm standoff	-	3	6
R-CT-40-30-6	40 mm tension clamp with 30 mm post	-	4	4
R-CT-64-70-6	64 mm tension clamp with 70 mm post	4	8	8
R-CT-95-83-6	95 mm tension clamp with 83 mm post	-	-	2
R-CTB-25-6	25 mm tension clamp bracket	-	-	1
R-RCD-6	Delrin® resting cone	4	4	6
R-RPS-6	Steel resting pin	-	4	6
R-APJ-6	Adjustable pivot joint	-	-	1
R-AJ-13-6	13 mm dia. adjustable jackstand	1	2	3
R-AJ-25-6	25 mm dia. adjustable jackstand	-	2	3
R-AS-45-6	45 mm long adjustable slide	1	2	3
R-AS-70-6	70 mm long adjustable slide	1	2	3
R-TB-2025-6	Tower block with base 20 mm² × 30 mm	-	2	2
R-T-25300-6	25 mm² × 300 mm tower	-	-	1
R-TC-500200	500 mm × 200 mm × 25 mm component tray	1	1	2
R-BC10	50 mm × 200 mm × 150 mm compartment box (not shown)	1	1	2
Total number of components in each set		**49**	**112**	**165**

M8 CMM and Equator system component sets: Clamping

The M8 CMM and Equator system clamping component set can be used to hold aluminium, plastic, brass, titanium and other non-ferrous parts.

To build your kit, select an appropriately sized base plate for your requirements with M8 threaded holes. Don't forget to ask your sales representative to add on plate clamps or mounting holes to your order to secure your plate to the CMM granite.



R-FSC-CB-8

Part number	Description	Set A (part no. R-FSC-CA-8)	Set B (part no. R-FSC-CB-8)	Set C (part no. R-FSC-CC-8)
R-S-1315-8	13 mm dia. × 15 mm standoff	-	3	4
R-S-1320-8	13 mm dia. × 20 mm standoff	3	6	8
R-S-1325-8	13 mm dia. × 25 mm standoff	3	6	8
R-S-1350-8	13 mm dia. × 50 mm standoff	3	6	8
R-S-1915-8	19 mm dia. × 15 mm standoff	-	3	4
R-S-1920-8	19 mm dia. × 20 mm standoff	3	6	8
R-S-1925-8	19 mm dia. × 25 mm standoff	3	6	8
R-S-1950-8	19 mm dia. × 50 mm standoff	3	6	8
R-S-19100-8	19 mm dia. × 100 mm standoff	-	4	6
R-S-2520-8	25 mm dia. × 20 mm standoff	3	6	8
R-S-2525-8	25 mm dia. × 25 mm standoff	3	6	8
R-S-2550-8	25 mm dia. × 50 mm standoff	3	6	8
R-S-25100-8	25 mm dia. × 100 mm standoff	-	4	6
R-SP-1325-8	13 mm dia. × 25 mm pin standoff	2	4	6
R-CT-40-30-8	40 mm tension clamp with 30 mm post	2	6	6
R-CT-64-70-8	64 mm tension clamp with 70 mm post	4	12	12
R-CT-95-83-8	95 mm tension clamp with 83 mm post	-	-	3
R-CT-100P-83-8	100 mm tension clamp plunger with 83 mm post	-	-	3
R-CTB-25-8	25 mm tension clamp bracket	-	-	1
R-RCD-8	Delrin® resting cone	4	4	4
R-RCS-8	Steel resting cone	-	4	4
R-APJ-8	Adjustable pivot joint	-	-	1
R-AJ-19-8	19 mm dia. adjustable jackstand	1	2	4
R-AJ-25-8	25 mm dia. adjustable jackstand	-	2	3
R-AS-45-8	45 mm long adjustable slide	-	1	3
R-AS-70-8	70 mm long adjustable slide	1	3	4
R-TB-2530-8	Tower block with base	-	2	2
R-T-25300-8	25 mm² × 300 mm tower	-	-	1
R-TC-500200	500 mm × 200 mm × 25 mm component tray	1	1	2
R-BC10	50 mm × 200 mm × 150 mm compartment box (not shown)	1	1	2
Total number of components in each set		**43**	**110**	**153**

M8 CMM and Equator system component sets: Magnetic and clamping

The M8 CMM and Equator system magnetic and clamping component set can be used to hold steel, aluminium, plastic, ferrous and other non-ferrous parts.

To build your kit, select an appropriately sized base plate for your requirements with M8 threaded holes. Don't forget to ask your sales representative to add on plate clamps or mounting holes to your order to secure your plate to the CMM granite.



R-FSC-MCB-8

Part number	Description	Set A (part no. R-FSC-MCA-8)	Set B (part no. R-FSC-MCB-8)	Set C (part no. R-FSC-MCC-8)
R-M-13-8	13 mm dia. × 25 mm magnet	3	4	6
R-M-19-8	19 mm dia. × 25 mm magnet	3	4	6
R-M-25-8	25 mm dia. × 25 mm magnet	3	4	6
R-MP-13-8	13 mm dia. × 25 mm pin magnet	-	2	2
R-MP-19-8	19 mm dia. × 25 mm pin magnet	-	-	2
R-S-1315-8	13 mm dia. × 15 mm standoff	-	3	3
R-S-1320-8	13 mm dia. × 20 mm standoff	3	6	8
R-S-1325-8	13 mm dia. × 25 mm standoff	3	6	8
R-S-1350-8	13 mm dia. × 50 mm standoff	3	6	8
R-S-1915-8	19 mm dia. × 15 mm standoff	-	3	3
R-S-1920-8	19 mm dia. × 20 mm standoff	3	6	8
R-S-1925-8	19 mm dia. × 25 mm standoff	3	6	8
R-S-1950-8	19 mm dia. × 50 mm standoff	3	6	8
R-S-19100-8	19 mm dia. × 100 mm standoff	-	4	6
R-S-2520-8	25 mm dia. × 20 mm standoff	3	6	8
R-S-2525-8	25 mm dia. × 25 mm standoff	3	6	8
R-S-2550-8	25 mm dia. × 50 mm standoff	3	6	8
R-S-25100-8	25 mm dia. × 100 mm standoff	-	4	6
R-CT-40-30-8	40 mm tension clamp with 30 mm post	-	4	4
R-CT-64-70-8	64 mm tension clamp with 70 mm post	3	8	8
R-CT-95-83-8	95 mm tension clamp with 83 mm post	-	-	2
R-CTB-25-8	25 mm tension clamp bracket	-	-	1
R-RCD-8	Delrin® resting cone	4	4	4
R-RCS-8	Steel resting cone	-	4	4
R-APJ-8	Adjustable pivot joint	-	-	1
R-AJ-19-8	19 mm dia. adjustable jackstand	1	2	3
R-AJ-25-8	25 mm dia. adjustable jackstand	-	2	3
R-AS-45-8	45 mm long adjustable slide	-	1	3
R-AS-70-8	70 mm long adjustable slide	1	3	3
R-TB-2530-8	Tower block with base	-	2	2
R-T-25300-8	25 mm² × 300 mm tower	-	-	1
R-TC-500200	500 mm × 200 mm × 25 mm component tray	1	1	2
R-BC10	50 mm × 200 mm × 150 mm compartment box (not shown)	1	1	2
Total number of components in each set		**47**	**114**	**155**

¼-20 CMM and Equator system component sets: Clamping

The ¼-20 CMM and Equator system clamping component set can be used to hold aluminium, plastic, brass, titanium and other non-ferrous parts.

To build your kit, select an appropriately sized base plate for your requirements with ¼-20 threaded holes. Don't forget to ask your sales representative to add on plate clamps or mounting holes to your order to secure your plate to the CMM granite.



R-FSC-CB-20

Part number	Description	Set A (part no. R-FSC-CA-20)	Set B (part no. R-FSC-CB-20)	Set C (part no. R-FSC-CC-20)
R-S-37550-20	0.375 in dia. × 0.5 in standoff	-	3	6
R-S-5050-20	0.5 in dia. × 0.5 in standoff	-	-	4
R-S-5075-20	0.5 in dia. × 0.75 in standoff	3	6	8
R-S-501-20	0.5 in dia. × 1.0 in standoff	3	6	8
R-S-502-20	0.5 in dia. × 2.0 in standoff	3	6	8
R-S-7550-20	0.75 in dia. × 0.5 in standoff	-	3	4
R-S-7575-20	0.75 in dia. × 0.75 in standoff	3	6	8
R-S-751-20	0.75 in dia. × 1.0 in standoff	3	6	8
R-S-752-20	0.75 in dia. × 2.0 in standoff	3	6	8
R-S-754-20	0.75 in dia. × 4.0 in standoff	-	4	6
R-S-175-20	1.0 in dia. × 0.75 in standoff	3	6	8
R-S-11-20	1.0 in dia. × 1.0 in standoff	3	6	8
R-S-12-20	1.0 in dia. × 2.0 in standoff	3	6	8
R-S-14-20	1.0 in dia. × 4.0 in standoff	-	4	6
R-SP-501-20	0.5 in dia. × 1.0 in pin standoff	2	4	4
R-SP-751-20	0.75 in dia. × 1.0 in pin standoff	-	-	2
R-CT-160-125-20	1.6 in tension clamp with 1.25 in post	2	6	6
R-CT-250-275-20	2.5 in tension clamp with 2.75 in post	4	12	12
R-CT-375-325-20	3.75 in tension clamp with 3.25 in post	-	-	3
R-CT-4P-325-20	4.0 in tension clamp plunger with 3.25 in post	-	-	3
R-CTB-1-20	1.0 in tension clamp bracket	-	-	1
R-RCD-20	Delrin® resting cone	3	4	6
R-RPS-20	Steel resting pin	-	4	6
R-APJ-20	Adjustable pivot joint	-	-	1
R-AJ-50-20	0.50 in dia. adjustable jackstand	1	2	4
R-AJ-1-20	1.0 in dia. adjustable jackstand	-	2	3
R-AS-1-20	1.0 in long adjustable slide	1	2	3
R-AS-3-20	3.0 in long adjustable slide	1	2	4
R-TB-751-20	Tower block with base 0.75 in² × 1.0 in	-	2	2
R-T-112-20	1.0 in² × 12.0 in tower (1 row, 4 sides)	-	-	1
R-TC-500200	20 in × 8 in × 1 in component tray	1	1	2
R-BC10	8 in × 8 in × 2 in compartment box (not shown)	1	1	2
Total number of components in each set		**42**	**109**	**161**

¼-20 CMM and Equator system component sets: Magnetic and clamping

The ¼-20 CMM and Equator system magnetic and clamping component set can be used to hold steel, aluminium, plastic, ferrous and other non-ferrous parts.

To build your kit, select an appropriately sized base plate for your requirements with ¼-20 threaded holes. Don't forget to ask your sales representative to add on plate clamps or mounting holes to your order to secure your plate to the CMM granite.



R-FSC-MCB-20

Part number	Description	Set A (part no. R-FSC-MCA-20)	Set B (part no. R-FSC-MCB-20)	Set C (part no. R-FSC-MCC-20)
R-M-50-20	0.5 in dia. × 1.0 in magnet	3	4	6
R-M-75-20	0.75 in dia. × 1.0 in magnet	3	4	6
R-M-1-20	1.0 in dia. × 1.0 in magnet	3	4	6
R-MP-50-20	0.5 in dia. × 1.0 in pin magnet	-	2	2
R-MP-75-20	0.75 in dia. × 1.0 in pin magnet	-	-	2
R-S-37550-20	0.375 in dia. × 0.5 in standoff	-	3	4
R-S-5050-20	0.5 in dia. × 0.5 in standoff	-	-	4
R-S-5075-20	0.5 in dia. × 0.75 in standoff	3	6	8
R-S-501-20	0.5 in dia. × 1.0 in standoff	3	6	8
R-S-502-20	0.5 in dia. × 2.0 in standoff	3	6	8
R-S-7550-20	0.75 in dia. × 0.5 in standoff	-	3	4
R-S-7575-20	0.75 in dia. × 0.75 in standoff	3	6	8
R-S-751-20	0.75 in dia. × 1.0 in standoff	3	6	8
R-S-752-20	0.75 in dia. × 2.0 in standoff	3	6	8
R-S-754-20	0.75 in dia. × 4.0 in standoff	-	3	6
R-S-175-20	1.0 in dia. × 0.75 in standoff	3	6	8
R-S-11-20	1.0 in dia. × 1.0 in standoff	3	6	8
R-S-12-20	1.0 in dia. × 2.0 in standoff	3	6	8
R-S-14-20	1.0 in dia. × 4.0 in standoff	-	3	6
R-CT-160-125-20	1.6 in tension clamp with 1.25 in post	-	4	4
R-CT-250-275-20	2.5 in tension clamp with 2.75 in post	4	8	8
R-CT-375-325-20	3.75 in tension clamp with 3.25 in post	-	-	2
R-CTB-1-20	1.0 in tension clamp bracket	-	-	1
R-RCD-20	Delrin® resting cone	3	4	6
R-RPS-20	Steel resting pin	-	4	6
R-APJ-20	Adjustable pivot joint	-	-	1
R-AJ-50-20	0.50 in dia. adjustable jackstand	1	2	3
R-AJ-1-20	1.0 in dia. adjustable jackstand	-	2	3
R-AS-1-20	1.0 in long adjustable slide	1	2	3
R-AS-3-20	3.0 in long adjustable slide	1	2	3
R-TB-751-20	Tower block with base 0.75 in² × 1.0 in	-	2	2
R-T-112-20	1.0 in² × 12.0 in tower (1 row, 4 sides)	-	-	1
R-TC-500200	20 in × 8 in × 1 in component tray	1	1	2
R-BC10	8 in × 8 in × 2 in compartment box (not shown)	1	1	2
Total number of components in each set		**47**	**111**	**163**

Vision component sets

M4 vision component sets

The M4 vision component set is ideal for holding small intricate parts, ferrous or non-ferrous.

N.B.: Ensure that the acrylic plate and QuickLoad corner you select will fit your specific machine. Please contact your local sales representative to discuss your requirements.



R-FSV-B-4

Part number	Description	Set A (part no. R-FSV-A-4)	Set B (part no. R-FSV-B-4)
R-S-65-4*	6 mm dia. × 5 mm standoff	-	3
R-S-610-4*	6 mm dia. × 10 mm standoff	3	6
R-S-625-4*	6 mm dia. × 25 mm standoff	3	6
R-S-95-4*	9 mm dia. × 5 mm standoff	3	3
R-S-910-4	9 mm dia. × 10 mm standoff	3	6
R-S-920-4	9 mm dia. × 20 mm standoff	3	6
R-S-925-4	9 mm dia. × 25 mm standoff	3	6
R-S-1210-4	12 mm dia. × 10 mm standoff	3	6
R-S-1225-4	12 mm dia. × 25 mm standoff	3	6
R-SP-610-4	6 mm dia. × 10 mm pin standoff	2	4
R-SP-910-4	9 mm dia. × 10 mm pin standoff	2	4
R-CTT-40-25-4	40 mm tension clamp with coated soft tip with 25 mm post	2	4
R-CWT-25-25-4	25 mm wire clamp with coated soft tip with 50 mm post	2	4
R-CWT-50-50-4	50 mm wire clamp with coated soft tip with 50 mm post	2	4
R-CP-4	Pusher clamp	1	1
R-CVM-B-4	Micro vise clamp with base	1	1
R-CSPS-1210-4	Spring pusher standoff clamp	1	1
R-RPA-4	Aluminum resting pin	4	4
R-VC-5050-4	50 mm × 50 mm corner viewer	1	1
R-AJ-9-4	9 mm dia. adjustable jackstand	1	2
R-AS-30-4	30 mm long adjustable slide	1	2
R-ASA-45-4	45 mm long adjustable acrylic slide base	1	2
R-TB-1619-4	Tower block with base 16 mm^2 × 19 mm	1	1
R-TC-300190-4	300 mm × 190 mm × 25 mm component tray	1	1
R-BC10	40 mm × 200 mm × 135 mm compartment box (not shown)	1	1
Total number of components in each set		**48**	**85**

* Component does not have a threaded top

M6 vision component set

The M6 vision component set can be used to hold any type or part, ferrous or non-ferrous.

N.B.: Ensure that the acrylic plate and QuickLoad corner you select will fit your specific machine. Please contact your local sales representative to discuss your requirements.



R-FSV-A-6

Part number	Description	Set A (part no. R-FSV-A-6)
R-S-610-6*	6 mm dia. × 10 mm standoff	3
R-S-625-6*	6 mm dia. × 25 mm standoff	3
R-S-95-6*	9 mm dia. × 5 mm standoff	3
R-S-910-6	9 mm dia. × 10 mm standoff	3
R-S-920-6	9 mm dia. × 20 mm standoff	3
R-S-925-6	9 mm dia. × 25 mm standoff	3
R-S-1310-6	13 mm dia. × 10 mm standoff	3
R-S-1320-6	13 mm dia. × 20 mm standoff	3
R-SP-610-6	6 mm dia. × 10 mm pin standoff	2
R-SP-910-6	9 mm dia. × 10 mm pin standoff	2
R-CTT-40-30-6	40 mm tension clamp with coated soft tip with 30 mm post	4
R-CWT-25-25-6	25 mm wire clamp with coated soft tip with 25 mm post	4
R-CWT-50-50-6	50 mm wire clamp with coated soft tip with 50 mm post	4
R-CP-6	Pusher clamp	1
R-CVM-B-6	Micro vise clamp with base	1
R-CSPS-1925-6	19 mm dia. × 25 mm spring pusher standoff clamp	1
R-RPS-6	Steel resting pin	4
R-VC-7575-6	75 mm × 75 mm corner viewer	1
R-AJ-13-6	13 mm dia. adjustable jackstand	1
R-AS-45-6	45 mm long adjustable slide	1
R-ASA-45-6	45 mm long adjustable acrylic slide base	1
R-TB-2025-6	Tower block with base 20 mm² × 30 mm	1
R-TC-300190-6	300 mm × 190 mm × 25 mm component tray	1
R-BC10	50 mm × 200 mm × 150 mm compartment box (not shown)	1
Total number of components in each set		**54**

* Component does not have a threaded top

¼-20 vision component sets

The ¼-20 vision component set can be used to hold any type of part, ferrous or non-ferrous.

N.B.: Ensure that the acrylic plate and QuickLoad corner you select will fit your specific machine. Please contact your local sales representative to discuss your requirements.



R-FSV-QLCB-20

Part number	Description	Set A (part no. R-FSV-QLCA-20)	Set B (part no. R-FSV-QLCB-20)
R-S-2550-20*	0.25 in dia. × 0.5 in standoff	3	3
R-S-251-20*	0.25 in dia. × 1.0 in standoff	3	6
R-S-37525-20*	0.375 in dia. × 0.25 in standoff	3	6
R-S-37550-20	0.375 in dia. × 0.5 in standoff	3	6
R-S-37575-20	0.375 in dia. × 0.75 in standoff	3	6
R-S-3751-20	0.375 in dia. × 1.0 in standoff	3	6
R-S-5050-20	0.5 in dia. × 0.5 in standoff	3	6
R-S-5075-20	0.5 in dia. × 0.75 in standoff	3	6
R-S-501-20	0.5 in dia. × 1.0 in standoff	-	6
R-SP-2550-20	0.25 in dia. × 0.5 in pin standoff	2	4
R-SP-37550-20	0.375 in dia. × 0.5 in pin standoff	2	4
R-CTT-160-125-20	1.6 in tension clamp with rubber coated tip with 1.25 in post	4	4
R-CWT-1-1-20	1.0 in wire clamp with rubber coated tip with 1.0 in post	4	4
R-CWT-2-2-20	2.0 in wire clamp with rubber coated tip with 2.0 in post	4	4
R-RPS-20	Steel resting pin	4	4
R-VC-33-20	3.25 in × 3.25 in corner viewer	1	1
R-AJ-50-20	0.5 in dia. adjustable jackstand	1	2
R-CP-20	Pusher clamp	1	1
R-CSPS-751-20	0.75 in dia. × 1.0 in spring pusher standoff clamp	1	1
R-AS-1-20	1.0 in long adjustable slide	1	2
R-ASA-2-20	2.0 in long adjustable acrylic slide	1	2
R-TB-751-20	Tower block with base 0.75 in² × 1.0 in	1	2
R-CVM-B-20	Micro vise clamp with base	1	1
R-TC-300190-20	20 in × 8 in × 1 in component tray	1	1
R-BC10	8 in × 8 in × 2 in compartment box (not shown)	1	1
Total number of components in each set		**54**	**89**

* Component does not have a threaded top

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RENISHAW
apply innovation™

Modular fixturing components

Adjustables 36
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Adjustables

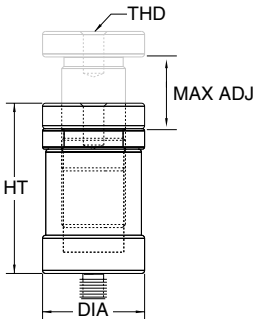
Allow for added flexibility when fixturing complex parts.

Adjustable jack stand

To allow variable heights of up to 22 mm and then lock into position.



R-AJ-25-8



Part no.	THD	DIA	HT	ADJ
R-AJ-9-4	M4	9.5 mm	16.1 mm	2.5 mm
R-AJ-13-6	M6	15.9 mm	42.4 mm	14 mm
R-AJ-25-6	M6	25.4 mm	42.4 mm	13.5 mm
R-AJ-19-8	M8	19.1 mm	37 mm	13 mm
R-AJ-25-8	M8	25.4 mm	42.4 mm	12.7 mm
R-AJS-35-8*	M8	38.1 mm	65 mm	15 mm
R-AJS-50-12*	M12	50.8 mm	100 mm	35.5 mm
R-AJ-50-20	¼-20	0.63 in	1.5 in	0.55 in
R-AJ-1-20	¼-20	1.0 in	1.5 in	0.5 in

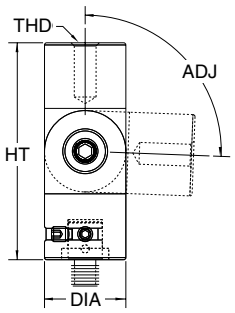
* = component made from steel.

Adjustable pivot joint

For positioning a component at any angle. Lock the rotating base into position and then set the angle of the pivot.



R-APJ-8



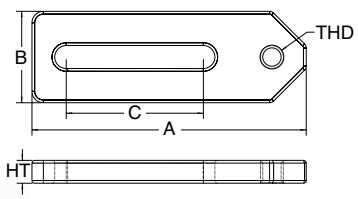
Part no.	THD	DIA	HT	ADJ
R-APJ-6	M6	19 mm	50.8 mm	186°
R-APJ-8	M8	19 mm	50.8 mm	186°
R-APJ-20	¼-20	0.75 in	2.0 in	186°

Adjustable slide

To place components in between holes on the plate.



R-AS-45-8





R-AS-45-4

Part no.	THD	HT	A	B	C
R-AS-30-4	M4	5 mm	30.1 mm	12.7 mm	9.3 mm
R-AS-45-4	M4	5 mm	45 mm	12.7 mm	23.8 mm
R-AS-45-6	M6	10 mm	44.5 mm	20 mm	12.9 mm
R-AS-70-6	M6	10 mm	72 mm	25 mm	33.9 mm
R-AS-100-6	M6	10 mm	100 mm	25 mm	61.9 mm
R-AS-45-8	M8	10 mm	44.5 mm	20 mm	12.9 mm
R-AS-70-8	M8	10 mm	71.9 mm	25 mm	33.9 mm
R-AS-150-12	M12	25 mm	175 mm	50.8 mm	100 mm
R-AS-1-20	¼-20	0.25 in	1.38 in	0.63 in	0.5 in
R-AS-3-20	¼-20	0.25 in	3.0 in	1.0 in	1.5 in

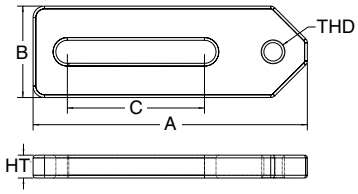
Included: socket head cap and thumb screws.

Adjustable acrylic slide

To place components in between holes on the plate.



R-ASA-45-4



Part no.	THD	HT	A	B	C
R-ASA-45-4	M4	5 mm	45 mm	12.7 mm	24 mm
R-ASA-45-6	M6	10 mm	50.8 mm	20 mm	28.6 mm
R-ASA-2-20	¼-20	0.025 in	2 in	0.63 in	1.13 in

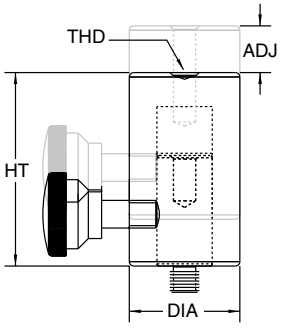
Included: socket head cap and thumb screws.

Adjustable height stand

To allow variable heights without marring the part.



R-AH-2545-8



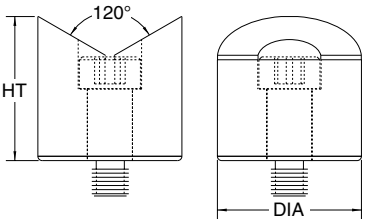
Part no.	THD	DIA	HT	ADJ
R-AH-2545-6	M6	25.4 mm	45 mm	9 mm
R-AH-2545-8	M8	25.4 mm	45 mm	9 mm
R-AH-1175-20	¼-20	1.0 in	1.75 in	0.38 in

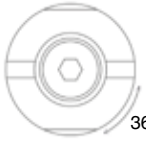
Adjustable V-post

For holding cylindrical or tubular parts without marring the part's surface. Can be rotated and locked to any orientation.



R-AVP-2525-6





360° ADJ

Part no.	THD	DIA	HT	ADJ
R-AVP-2525-6	M6	25.1 mm	25 mm	360°
R-AVP-2525-8	M8	25.1 mm	25 mm	360°
R-AVP-11-20	¼-20	0.99 in	1.0 in	360°

Included: shoulder bolt.

Adjustable slide mirror

To aid viewing and inspecting a part.

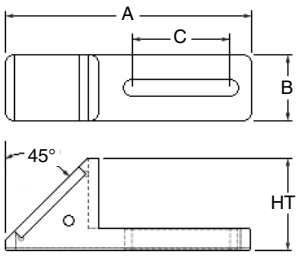
Part no.	THD	HT	A	B	C
R-ASM-4	M4	28.6 mm	75 mm	20.24 mm	30 mm
R-ASM-50-2	M4/ M6/ ¼-20	45.8 mm/ 1.8 in	95 mm/ 3.75 in	34.9 mm/ 1.97 in	31.8 mm/ 1.18 in



R-ASM-50-2



R-ASM-4



Adjustable slide acrylic extension

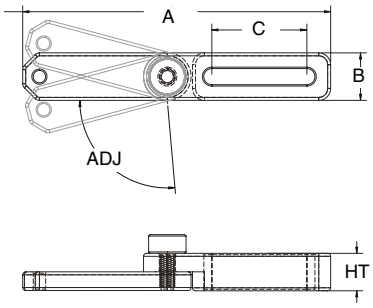
Screw any component onto the acrylic slide to extend the reach of the component.

Part no.	THD	HT	A	B	C	ADJ
R-ASAE-4	M4	10 mm	82.3 mm	12.7 mm	25.4 mm	186°

Included: socket head screws.



R-ASAE-4



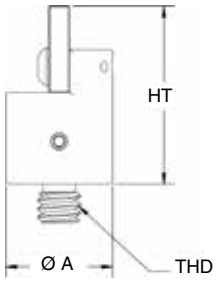
Rotational micro V

For holding small cylindrical or tubular parts with minimal surface contact.

Part no.	THD	HT	A
R-VMR-1525-4	M4	26.5 mm	15.9 mm
R-VMR-1525-6	M6	25 mm	15.9 mm
R-VMR-631-20	¼-20	1.04 in	0.63 in



R-VMR-1525-4



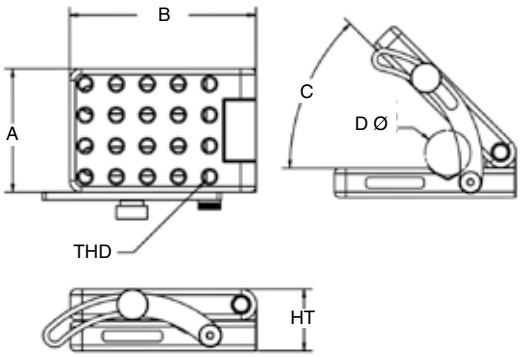
Adjustable angle plate

Ideal for holding components on an angle. The angle plate is adjustable to 180°.



R-PCA-135075-15-8

Part no.	THD	HT	A	B	C
R-PCA-135075-10-4	M4	12.3 mm	76.2 mm	50.8 mm	180°
R-PCA-135075-12-6	M6	12.3 mm	76.2 mm	50.8 mm	180°
R-PCA-135075-15-8	M8	12.3 mm	76.2 mm	50.8 mm	180°
R-PCA-5023-50-20	¼-20	0.49 in	3.0 in	2.0 in	180°



C	D Ø
0°	-
5°	6.55 mm/0.258 in
10°	8.26 mm/0.325 in
15°	9.93 mm/0.391 in
20°	11.56 mm/0.455 in
25°	13.16 mm/0.518 in
30°	14.71 mm/0.579 in
35°	16.26 mm/0.64 in
40°	17.75 mm/0.699 in
45°	19.25 mm/0.758 in
50°	20.73 mm/0.816 in
55°	22.20 mm/0.874 in
60°	23.65 mm/0.931 in
65°	25.07 mm/0.987 in
70°	26.47 mm/1.042 in
75°	27.86 mm/1.097 in
80°	29.21 mm/1.15 in
85°	30.51 mm/1.201 in
90°	31.75 mm/1.25 in

N.B. column D Ø can be used to set gauge pin angles

Quick slide plate

Threaded slide plate, designed to mount fixturing components to, using the QuickLoad Corner (QLC).

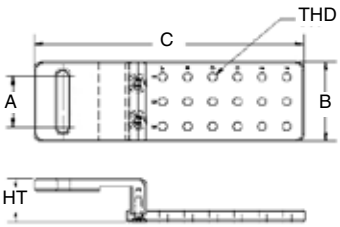
Part no.	THD	A	B	C	HT
R-PSQ-2042-4	M4	20.5 mm	20 mm	79 mm	17.6 mm
R-PSQ-3272-4	M4	20.5 mm	32 mm	109 mm	17.6 mm

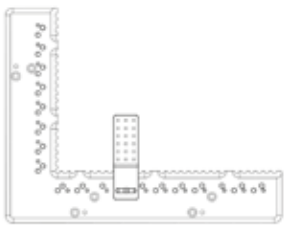
Included: socket head cap screws and washers.

R-PSQ-3272-4



R-PSQ-2042-4





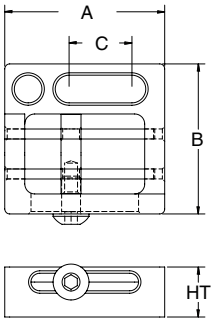
APPLICATION EXAMPLE ON QLC

Adjustable micro V

For cylindrical parts smaller than 6.5 mm in diameter.



R-AVM-4



Part no.	THD	HT	A	B	C
R-AVM-4	M4	8 mm	25.4 mm	23.8 mm	10 mm

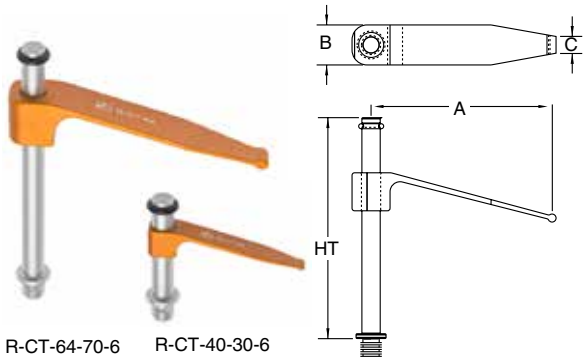


Clamps

A wide range of clamps to secure any size part in place using minimal force.

Tension clamp

For quick and easy clamping.



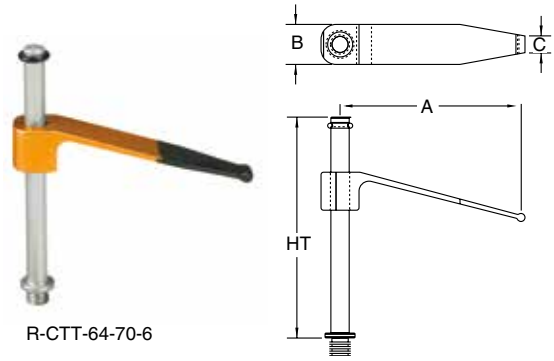
R-CT-64-70-6 R-CT-40-30-6

Part no.	THD	HT	A	B	C
R-CT-40-25-4	M4	25 mm	42.9 mm	7.6 mm	3.9 mm
R-CT-40-30-6	M6	30 mm	42.9 mm	7.6 mm	3.9 mm
R-CT-40-70-6	M6	68.1 mm	42.9 mm	7.6 mm	3.9 mm
R-CT-64-70-6	M6	68.1 mm	66.4 mm	12.7 mm	5.4 mm
R-CT-95-83-6	M6	82.8 mm	98.5 mm	19.1 mm	8.6 mm
R-CT-40-30-8	M8	30.1 mm	42.9 mm	7.6 mm	3.9 mm
R-CT-40-70-8	M8	68.2 mm	42.9 mm	7.6 mm	3.9 mm
R-CT-64-70-8	M8	68.2 mm	66.4 mm	12.7 mm	5.4 mm
R-CT-95-83-8	M8	80.9 mm	98.5 mm	19.1 mm	8.6 mm
R-CT-160-125-20	¼-20	1.26 in	1.7 in	0.3 in	0.15 in
R-CT-160-275-20	¼-20	2.76 in	1.7 in	0.3 in	0.15 in
R-CT-250-275-20	¼-20	2.76 in	2.62 in	0.5 in	0.21 in
R-CT-375-325-20	¼-20	3.26 in	3.88 in	0.75 in	0.34 in

N.B. Part number under tension clamp is for reference only. See chart for complete dimensions.

Soft tip tension clamp

Rubber coated tips hold parts without scratching or marring the surface of a part.



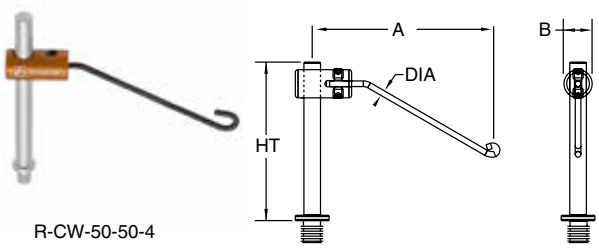
R-CTT-64-70-6

Part no.	THD	HT	A	B	C
R-CTT-40-25-4	M4	25 mm	42.9 mm	7.6 mm	3.9 mm
R-CTT-40-30-6	M6	30 mm	42.9 mm	7.6 mm	3.9 mm
R-CTT-40-70-6	M6	68.2 mm	42.9 mm	7.6 mm	3.9 mm
R-CTT-64-70-6	M6	68.1 mm	66.4 mm	12.7 mm	5.4 mm
R-CTT-95-83-6	M6	82.8 mm	98.5 mm	19.1 mm	8.6 mm
R-CTT-40-30-8	M8	30.1 mm	42.9 mm	7.6 mm	3.9 mm
R-CTT-40-70-8	M8	68.2 mm	42.9 mm	7.6 mm	3.9 mm
R-CTT-64-70-8	M8	68.2 mm	66.4 mm	12.7 mm	5.4 mm
R-CTT-95-83-8	M8	80.9 mm	98.5 mm	19.1 mm	8.6 mm
R-CTT-160-125-20	¼-20	1.26 in	1.7 in	0.3 in	0.15 in
R-CTT-160-275-20	¼-20	2.76 in	1.7 in	0.3 in	0.15 in
R-CTT-250-275-20	¼-20	2.76 in	2.62 in	0.5 in	0.21 in
R-CTT-375-325-20	¼-20	3.26 in	3.88 in	0.75 in	0.34 in

N.B. Part number under soft tip tension clamp is for reference only. See chart for complete dimensions.

Spring wire clamp

For light clamping of small parts, minimising the contact area on a part and for least possible obstruction.



R-CW-50-50-4

Part no.	THD	HT	A	B	DIA
R-CW-25-25-4	M4	25 mm	38.35 mm	7.9 mm	1.6 mm
R-CW-50-50-4	M4	50 mm	56.85 mm	7.9 mm	1.6 mm
R-CW-25-25-6	M6	23.9 mm	38.35 mm	7.9 mm	1.6 mm
R-CW-50-50-6	M6	50 mm	56.85 mm	7.9 mm	1.6 mm
R-CW-1-1-20	¼-20	0.94 in	1.51 in	0.31 in	0.06 in
R-CW-2-2-20	¼-20	1.76 in	2.23 in	0.31 in	0.06 in

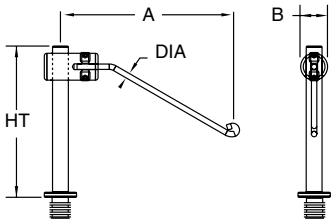
N.B. Part number under spring wire clamp is for reference only. See chart for complete dimensions.

Soft tip spring wire clamp

With rubber coated tips for light clamping of small parts, minimising the contact area on a part and for least possible obstruction.



R-CWT-25-25-4



Part no.	THD	HT	A	B	DIA
R-CWT-25-25-4	M4	25 mm	38.35 mm	7.9 mm	1.6 mm
R-CWT-50-50-4	M4	50 mm	56.85 mm	7.9 mm	1.6 mm
R-CWT-25-25-6	M6	23.9 mm	38.35 mm	7.9 mm	1.6 mm
R-CWT-50-50-6	M6	50 mm	56.85 mm	7.9 mm	1.6 mm
R-CWT-1-1-20	¼-20	0.94 in	1.51 in	0.31 in	0.06 in
R-CWT-2-2-20	¼-20	1.76 in	2.23 in	0.31 in	0.06 in

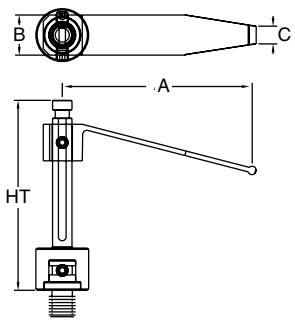
N.B. Part number under spring wire clamp is for reference only. See chart for complete dimensions.

Positional tension clamp

Allows locking the tension clamp rotational position to avoid probing interferences from one time to the next.



R-CPT-64-58-6



Part no.	THD	HT	A	B	C
R-CPT-64-58-6	M6	57.2 mm	63.5 mm	12.7 mm	5.4 mm
R-CPTT-64-58-6*	M6	57.2 mm	63.5 mm	12.7 mm	5.4 mm
R-CPT-250-225-20	¼-20	2.25 in	2.5 in	0.5 in	0.21 in
R-CPTT-250-225-20*	¼-20	2.25 in	2.5 in	0.5 in	0.21 in

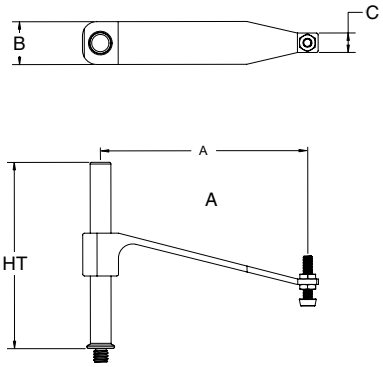
* Part number beginning R-CPTT has rubber coated tips.

Plunger tip tension clamp

This tension clamp contains an adjustable rubber-tipped plunger to reach over the edge of a part and apply a clamping force inside a recess.



R-CT-4P-325-20



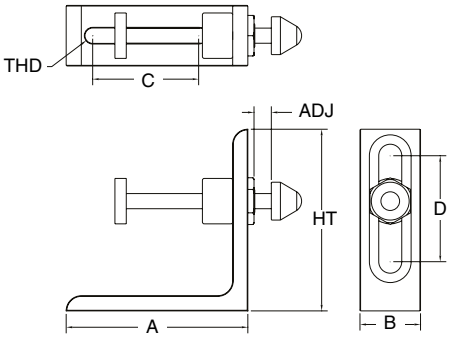
Part no.	THD	HT	A	B	C
R-CT-100P-83-6	M6	82.8 mm	95.4 mm	19.1 mm	8.6 mm
R-CT-100P-83-8	M8	80.9 mm	95.4 mm	19.1 mm	8.6 mm
R-CT-4P-325-20	¼-20	3.26 in	3.76 in	0.75 in	0.34 in

Screw pusher clamp

For pushing and holding a part against stops.



R-CSP



Part no.	THD	HT	A	B	C	D	ADJ
R-CSP	M6/ M8/ ¼-20	76 mm/ 3.0 in	76 mm/ 3.0 in	25 mm/ 1.0 in	44 mm/ 1.75 in	44 mm/ 1.75 in	38 mm/ 1.5 in

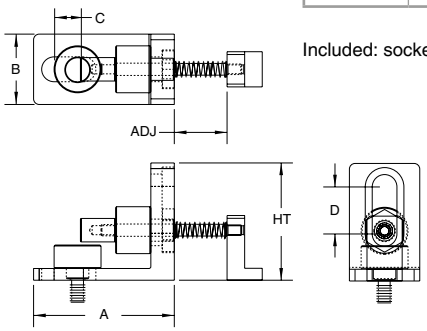
Included: socket head cap screw, M6, M8 and ¼-20 thumbs screw and washer.

Pusher clamp

To push a part against standoffs or into corner (two interchangeable tips are included).

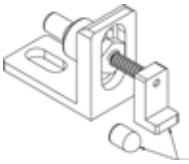


R-CP-4



Part no.	THD	HT	A	B	C	D	ADJ
R-CP-4	M4	31.2 mm	38.1 mm	19.1 mm	7.9 mm	12.7 mm	9.5 mm
R-CP-6	M6	31.2 mm	38.1 mm	19.1 mm	7.9 mm	12.7 mm	9.5 mm
R-CP-20	¼-20	1.23 in	1.5 in	0.75 in	0.31 in	0.5 in	0.38 in

Included: socket head cap screw, thumb screw and washer.



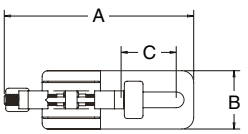
INTERCHANGABLE DELRIN® TIP

Micro vise clamp

Ideal for holding parts horizontally or vertically. Jaws have a V notch for holding cylindrical and tubular parts.

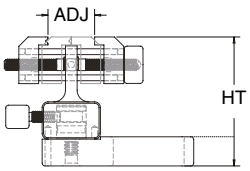


R-CVM-4





R-CVM-B-20



Part no.	THD	HT	A	B	C	ADJ
R-CVM-4	M4	27.8 mm	37.8 mm	10.2 mm	–	12.7 mm
R-CVM-B-4 (with base)	M4	35.1 mm	51.5 mm	15.9 mm	15 mm	12.7 mm
R-CVM-6	M6	27.8 mm	37.8 mm	10.2 mm	–	12.7 mm
R-CVM-B-6 (with base)	M6	37.8 mm	78.3 mm	20 mm	35 mm	12.7 mm
R-CVM-20	¼-20	1.1 in	1.49 in	0.4 in	–	0.5 in
R-CVM-B-20 (with base)	¼-20	1.35 in	3.0 in	0.75 in	1.5 in	0.5 in

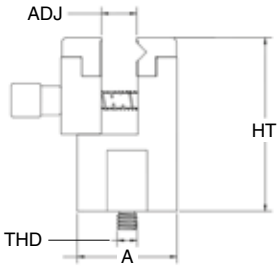
Included: socket head cap screws and washers.

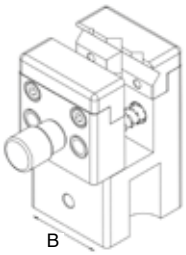
Mini vise

For clamping a small area of a part. Vise can be rotated 360° and then locked into position.



R-CMV-6





Part no.	THD	HT	A	B	ADJ
R-CMV-4	M4	57.2 mm	31.8 mm	31.8 mm	11 mm
R-CMV-6	M6	57.2 mm	31.8 mm	31.8 mm	11 mm
R-CMV-8	M8	57.2 mm	31.8 mm	31.8 mm	11 mm
R-CMV-20	¼-20	2.25 in	1.25 in	1.25 in	0.44 in

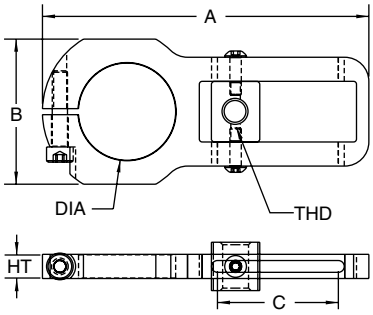
N.B. Additional jaws can be purchased for use with any thread size mini vise by ordering part numbers:
R-CMV-AJ (aluminum flat jaw) or R-CMV-VAJ (aluminum V jaw).

Tension clamp bracket

To hold a tension clamp on an angle.



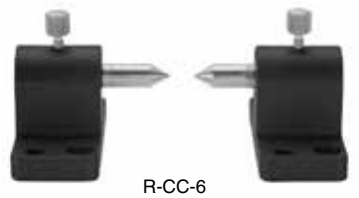
R-CTB-25-6



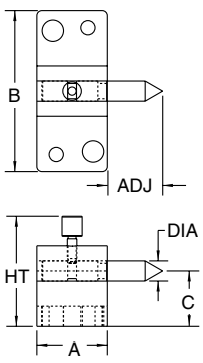
Part no.	THD	DIA	HT	A	B	C
R-CTB-25-6	M6	25.5 mm	6.4 mm	85.7 mm	38.1 mm	31.8 mm
R-CTB-25-8	M8	25.5 mm	6.4 mm	85.7 mm	38.1 mm	31.8 mm
R-CTB-1-20	¼-20	1.01 in	0.25 in	3.37 in	1.5 in	1.25 in

Centres

For holding cylindrical parts at each end on their inside diameters.



R-CC-6



Part no.	THD	DIA	HT	A	B	C	ADJ
R-CC-6	M4/M6/ ¼-20	6.4 mm/ 0.25 in	38 mm/ 1.5 in	22.2 mm/ 0.88 in	50.8 mm/ 2.0 in	20 mm/ 1.10 in	16 mm/ 0.63 in
R-CC-13	M4/M6/ M8/ ¼-20	12.7 mm/ 0.50 in	50.2 mm/ 1.98 in	38.1 mm/ 1.5 in	63.5 mm/ 2.5 in	25 mm/ 1.48 in	38 mm/ 1.5 in
R-CC-25	M4/M6/ M8/ ¼-20	25.4 mm/ 1.0 in	69.2 mm/ 2.73 in	50.8 mm/ 2.0 in	76.2 mm/ 2.0 in	35 mm/ 2.13 in	50 mm/ 1.97 in

Included: both male and female centring options; socket head cap screws.

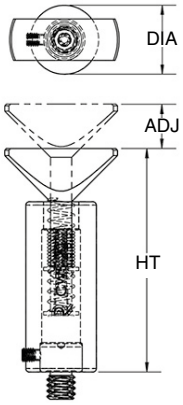
Spring wedge clamp

Designed for securing parts using a downwards force, instead of using tension clamps.

Part no.	THD	HT	ADJ	DIA
R-CWS-6	M6	51.9 mm	9.9 mm	15.9 mm
R-CWS-20	¼-20	1.97 in	0.39 in	0.63 in



R-CWS-6



Micro sliding pusher clamp

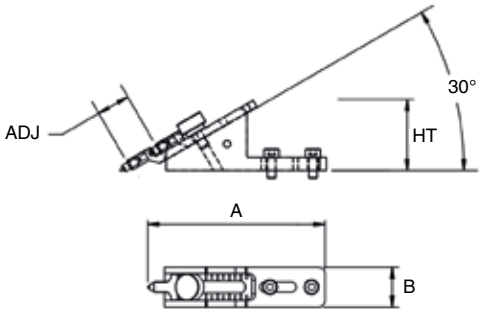
For securing small and delicate parts using a spring pointed Delrin® tip, with minimum force and contact.

Part no.	THD	HT	A	B	ADJ
R-CPSM-4	M4	29 mm	103 mm	19 mm	25 mm

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



R-CPSM-4



Micro centre

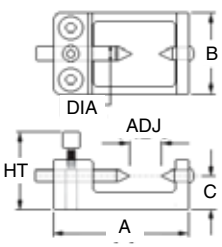
Has adjustability to hold cylindrical parts up to 26 mm in length and 25.5 mm in diameter.

Part no.	THD	A	B	C	ADJ
R-CMC-4	M4	50.8 mm	31.8 mm	12.7 mm	26 mm

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



R-CMC-4



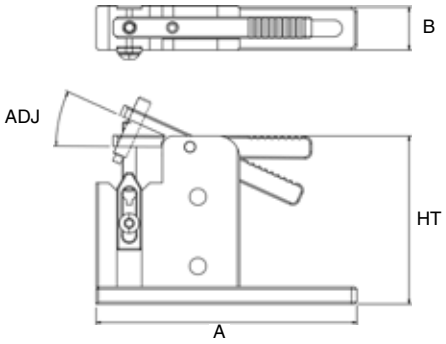
Micro V spring clamp

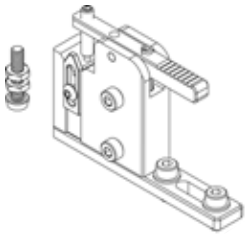
The clamp has an adjustable spring arm for different diameter parts and also an adjustable end stop (two interchangeable feet are included).

Part no.	THD	HT	A	B	ADJ
R-CSVM-4	M4	48.5 mm	75 mm	12.4 mm	0-24°



R-CSVM-4





INTERCHANGABLE FEET

3-jaw clamp

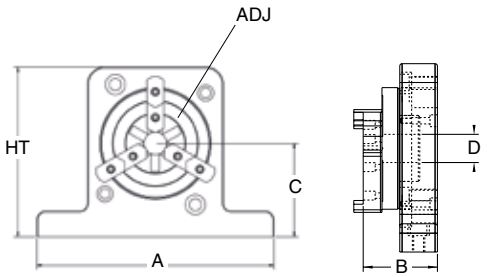
For holding round parts at one end or in the middle, allowing the probe around the part without interference.

Part no.	THD	HT	A	B	C	D	ADJ
R-CJ-3	M6/ M8/ ¼-20	127 mm/ 5 in	178 mm/ 7 in	56.3 mm/ 2.22 in	70 mm/ 2.75 in	19 mm/ 0.75 in	1.5-64.5 mm

Included: socket head cap screws.
OD Min = 1.5 mm, OD Max = 64 mm, ID Min = 47 mm, ID Max = 64



R-CJ-3



Rotating 3-jaw clamp

For clamping on inner and outer diameter of part, locking into position then rotated to a marked increment. Not intended for checking part runout.

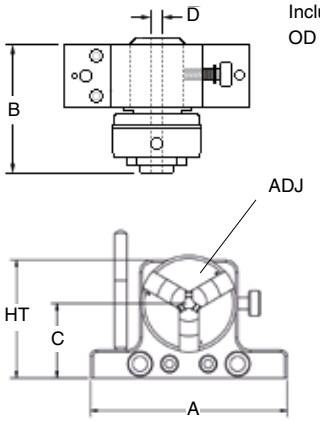
Part no.	THD	HT	A	B	C	D	ADJ
R-CJR-3	M4/ M6/ ¼-20	60 mm/ 2.38 in	102 mm/ 4 in	70 mm/ 2.76 in	38 mm/ 1.5 in	6.4 mm	1-63 mm

Included: socket head cap screws and chuck keys.
OD Min = 1.5 mm, OD Max = 27 mm, ID Min = 16 mm, ID Max = 55





R-CJR-3



Rotational angle vise

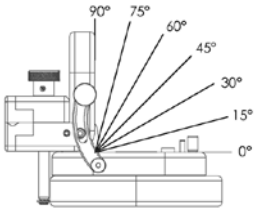
Provides quick, convenient staging for a variety of parts, can be mounted directly on the rails of your comparator. Pivot range from 0 to 90° and rotational range of 360°.

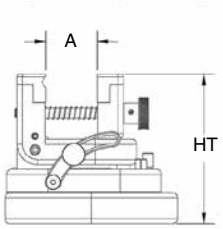
Part no.	THD	HT	A (jaws)
R-CRAV	M4/M6/¼-20	91.8 mm/3.64 in	31.5 mm/1.24 in

N.B. Dovetail nuts not included as standard.



R-CRAV





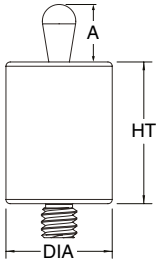
Spring pusher standoff clamp

Designed for fixturing small parts in tight or compact space. Ideal for positioning parts and for profile clamping.

Part no.	THD	DIA	HT	A
R-CSPS-1210-4	M4	12 mm	10 mm	4 mm
R-CSPS-1515-4	M4	15 mm	15 mm	6.7 mm
R-CSPS-1925-6	M6	19 mm	25 mm	10.7 mm
R-CSPS-1925-8	M8	19.1 mm	25 mm	11 mm
R-CSPS-751-20	¼-20	0.75 in	1.0 in	0.42 in



R-CSPS-1210-4 R-CSPS-1925-6



CMM plate clamp

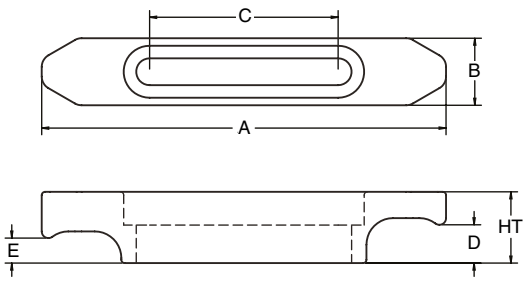
Non-marking clamp for securing 13 mm and 19 mm thick plates to a CMM. Includes screws for M8, M10 and M12 inserts.

Part no.	THD	HT	A	B	C	D	E
R-CPC-190	M8/M10/ M12	34 mm	193 mm	32 mm	90 mm	18.3 mm	11.9 mm

N.B. Set of 2.



R-CPC-190



Adjustable angle slide

Hold and secure cylindrical/tubular parts at a specific angle. Available with 6 different female/male removable centring pin options for different length parts allowing for maximum access.

Part no.	THD	ADJ HT	WDTH	DPTH	ADJ L	MAX DIA
R-CCAS	M4/ ¼-20	0-30°	155 mm/ 6.13 in	50 mm/ 2 in	73 mm/ 2.89 in	29 mm/ 1.14 in



R-CCAS

Hold down clamp

For more clamping force.



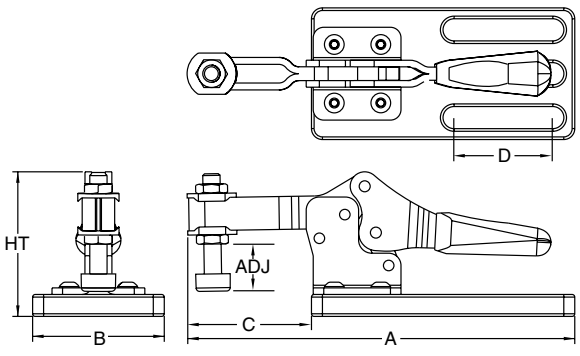
R-CH-89-6



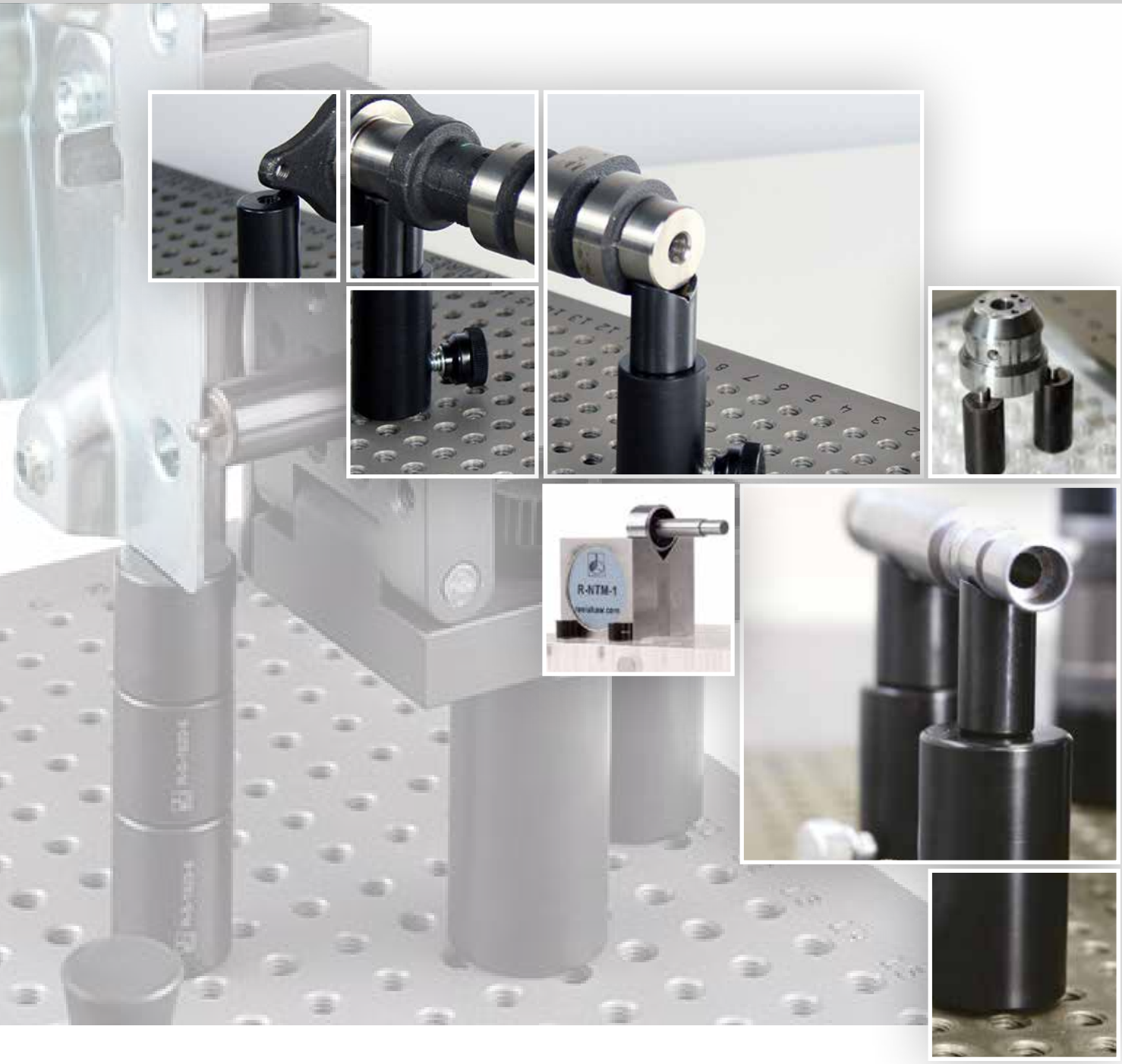
R-CH-133-6

Part no.	THD	HT	A	B	C	D	ADJ
R-CH-89-6	M6	41.8 mm	125.3 mm	38.1 mm	35.3 mm	28.6 mm	12.7 mm
R-CH-133-6	M6	49.9 mm	139.4 mm	38.1 mm	49.4 mm	28.6 mm	7.9 mm
R-CH-89-8	M8	41.8 mm	124.2 mm	38.1 mm	35.3 mm	30 mm	12.7 mm
R-CH-133-8	M8	49.9 mm	137.9 mm	38.1 mm	49 mm	30 mm	7.9 mm
R-CH-350-20	¼-20	1.64 in	4.89 in	1.5 in	1.39 in	1.13 in	0.5 in
R-CH-525-20	¼-20	1.96 in	5.43 in	1.5 in	1.93 in	1.13 in	0.31 in

Included: socket head cap screws and washers.



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Magnets

For holding steel or iron parts.

Magnet

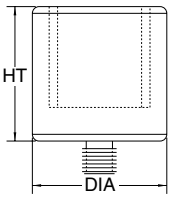
For holding steel or iron parts.



R-M-19-6



R-M-25-8



Part no.	THD	DIA	HT
R-M-6-4	M4	6.4 mm	25 mm
R-M-13-4	M4	12.7 mm	25 mm
R-M-13-6	M6	12.7 mm	25 mm
R-M-19-6	M6	19.1 mm	25 mm
R-M-25-6	M6	25.4 mm	25 mm
R-M-32-6	M6	31.8 mm	25 mm
R-M-13-8	M8	12.7 mm	25 mm
R-M-19-8	M8	19.1 mm	25 mm
R-M-25-8	M8	25.4 mm	25 mm
R-M-32-8	M8	31.8 mm	25 mm
R-M-50-20	¼-20	0.5 in	1.0 in
R-M-75-20	¼-20	0.75 in	1.0 in
R-M-1-20	¼-20	1.0 in	1.0 in
R-M-125-20	¼-20	1.25 in	1.0 in

Pin magnet

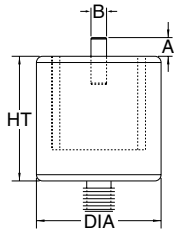
For holding and locating steel or iron parts.



R-MP-19-6



R-MP-13-8



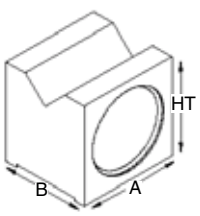
Part no.	THD	DIA	HT	A	B
R-MP-6-4	M4	6.4 mm	25 mm	3.8 mm	1.6 mm
R-MP-13-4	M4	12.7 mm	25 mm	3.8 mm	3.2 mm
R-MP-13-6	M6	12.7 mm	25 mm	3.8 mm	3.2 mm
R-MP-19-6	M6	19.1 mm	25 mm	3.8 mm	3.2 mm
R-MP-25-6	M6	25.4 mm	25 mm	3.8 mm	3.2 mm
R-MP-13-8	M8	12.7 mm	25 mm	3.8 mm	3.2 mm
R-MP-19-8	M8	19.1 mm	25 mm	3.8 mm	3.2 mm
R-MP-25-8	M8	25.4 mm	25 mm	3.8 mm	3.2 mm
R-MP-50-20	¼-20	0.5 in	1.0 in	0.15 in	0.13 in
R-MP-75-20	¼-20	0.75 in	1.0 in	0.15 in	0.13 in
R-MP-1-20	¼-20	1.0 in	1.0 in	0.15 in	0.13 in

Magnetic mini V block

Designed to hold ferrous cylindrical parts in a V, without the need for additional tension clamps.



R-NTM-1



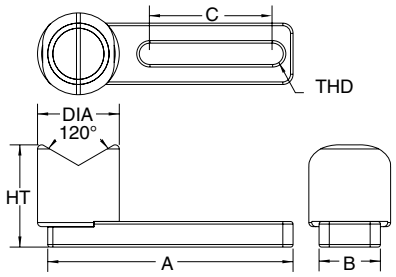
Part no.	HT	A	B
R-NTM-1	27.9 mm/ 1.1 in	27.9 mm/ 1.1 in	24.9 mm/ 1.1 in

V magnet with base

For holding round and tubular parts.



R-MVB-25-6



Part no.	THD	DIA	HT	A	B	C
R-MVB-13-6	M6	12.7 mm	31.4 mm	76.2 mm	19.1 mm	38.1 mm
R-MVB-19-6	M6	19.1 mm	31.4 mm	76.2 mm	19.1 mm	38.1 mm
R-MVB-25-6	M6	25.4 mm	31.4 mm	76.2 mm	19.1 mm	38.1 mm
R-MVB-32-6	M6	31.8 mm	31.4 mm	76.2 mm	19.1 mm	38.1 mm
R-MVB-19-8	M8	19.1 mm	31.4 mm	76.2 mm	19.1 mm	38.1 mm
R-MVB-25-8	M8	25.4 mm	31.4 mm	76.2 mm	19.1 mm	38.1 mm
R-MVB-32-8	M8	31.8 mm	31.4 mm	76.2 mm	19.1 mm	38.1 mm
R-MVB-50-20	¼-20	0.5 in	1.25 in	3.0 in	0.75 in	1.5 in
R-MVB-75-20	¼-20	0.75 in	1.25 in	3.0 in	0.75 in	1.5 in
R-MVB-1-20	¼-20	1.0 in	1.25 in	3.0 in	0.75 in	1.5 in
R-MVB-125-20	¼-20	1.25 in	1.25 in	3.0 in	0.75 in	1.5 in

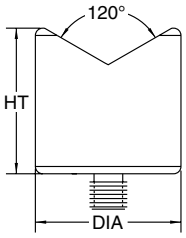
Included: socket head cap screws, thumb screws and washers.

V magnet

For holding cylindrical parts and bent tubing.

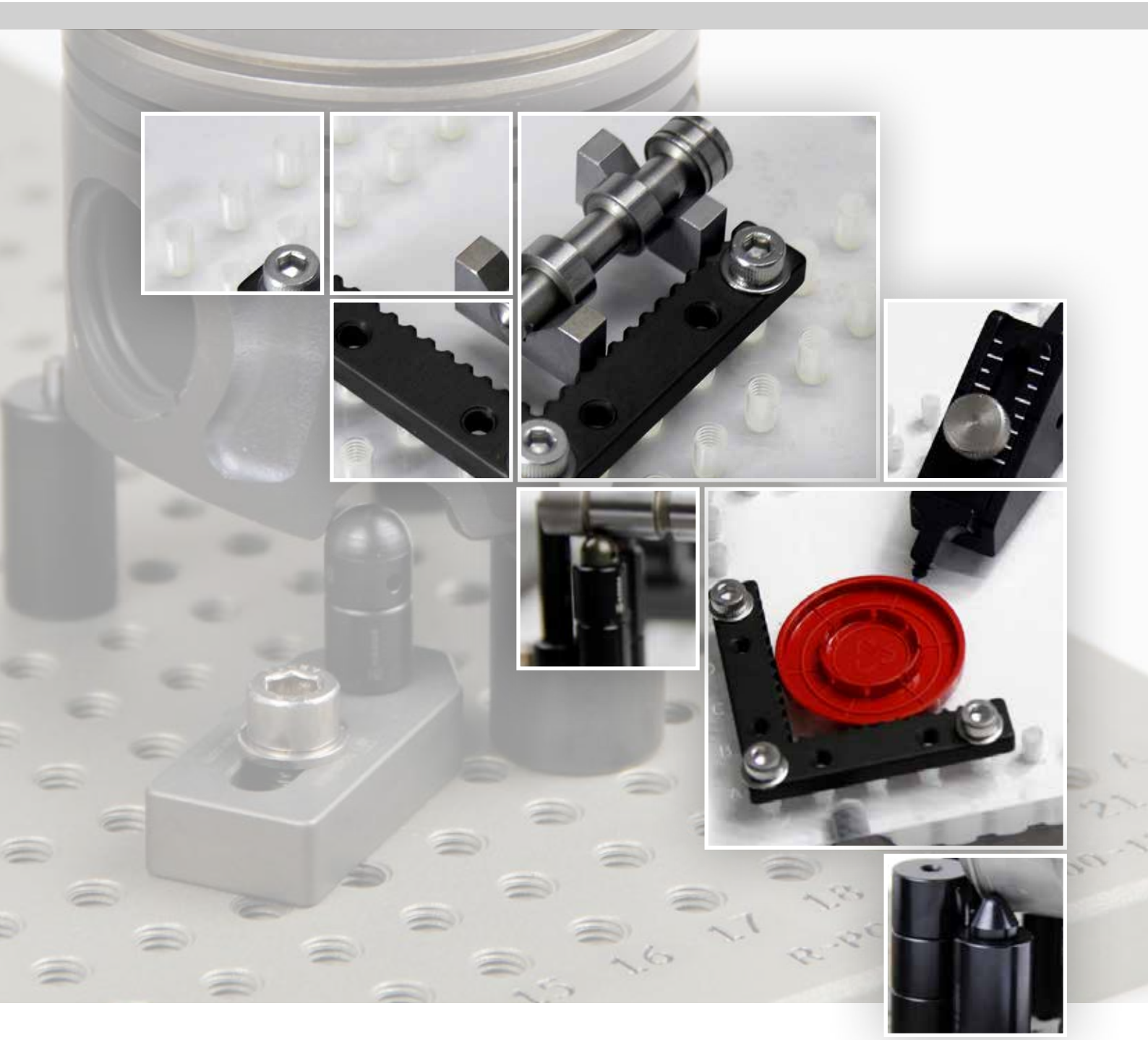


R-MV-13-6 R-MV-25-8



Part no.	THD	DIA	HT
R-MV-13-6	M6	12.7 mm	25 mm
R-MV-19-6	M6	19.1 mm	25 mm
R-MV-25-6	M6	25.4 mm	25 mm
R-MV-32-6	M6	31.8 mm	25 mm
R-MV-13-8	M8	12.7 mm	25 mm
R-MV-19-8	M8	19.1 mm	25 mm
R-MV-25-8	M8	25.4 mm	25 mm
R-MV-32-8	M8	31.8 mm	25 mm
R-MV-50-20	¼-20	0.5 in	1.0 in
R-MV-75-20	¼-20	0.75 in	1.0 in
R-MV-1-20	¼-20	1.0 in	1.0 in
R-MV-125-20	¼-20	1.25 in	1.0 in

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Miscellaneous

Find the ideal solution for resting or locating parts.

Cone

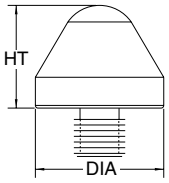
To rest a part on a rounded point for single-point contact.



Delrin®
R-RCD-6

Steel
R-RCS-6

Aluminium
R-RCA-6



Part no.	THD	DIA	HT	Material
R-RCD-6	M6	15.9 mm	12.7 mm	Delrin®
R-RCS-6	M6	15.9 mm	12.7 mm	Steel
R-RCA-6	M6	25.4 mm	19.1 mm	Aluminium
R-RCD-8	M8	15.9 mm	12.7 mm	Delrin®
R-RCS-8	M8	15.9 mm	12.7 mm	Steel
R-RCA-8	M8	25.4 mm	19.1 mm	Aluminium
R-RCS-25-8	M8	25.4 mm	19.1 mm	Steel
R-RCS-50-12	M12	50 mm	40 mm	Steel
R-RCD-20	¼-20	0.63 in	0.5 in	Delrin®
R-RCS-20	¼-20	0.63 in	0.5 in	Steel
R-RCA-20	¼-20	1.0 in	0.75 in	Aluminium

Resting pin

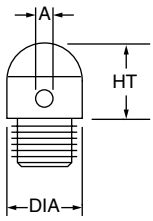
To rest a part on a rounded point.



Aluminium
R-RPA-4

Steel
R-RPS-6

Delrin®
R-RPD-6



Part no.	THD	DIA	HT	Material	A
R-RPD-4	M4	6.4 mm	5 mm	Delrin®	1.6 mm
R-RPA-4	M4	6.4 mm	5 mm	Aluminium	1.6 mm
R-RPD-6	M6	9.5 mm	10 mm	Delrin®	1.9 mm
R-RPS-6	M6	9.5 mm	10 mm	Steel	1.9 mm
R-RPD-20	¼-20	0.38 in	0.38 in	Delrin®	0.08 in
R-RPS-20	¼-20	0.38 in	0.38 in	Steel	0.08 in

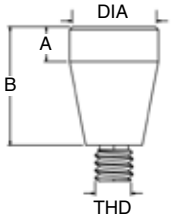
Wedge stop

The wedge stops, typically used in pairs, will locate and hold down a part plus restrict the part from lifting.



R-WS-37550-20

R-WS-915-6



Part no.	THD	DIA	A	B	Material
R-WS-1010-4	M4	10 mm	15 mm	4.7 mm	Aluminium
R-WS-915-6	M6	14.5 mm	6.4 mm	19.1 mm	Steel
R-WS-37550-20	¼-20	0.57 in	0.25 in	0.75 in	Steel

Screws and adapters

Component replacement parts.

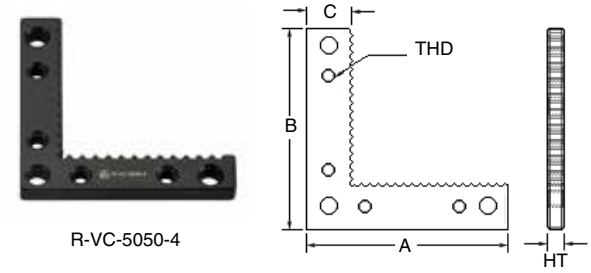


AATK-6 AATS-20 AATS-14 ATS-4 AAS-6

Part no.	THD	DIA	HT
Thumb screw			
AATK-6	M6	12 mm	20 mm
AATK-20	¼-20	0.32 in	0.35 in
Screw			
AATS-14	M3	6 mm	15 mm
AATS-20	M3	6 mm	20 mm
ATS-4	M4	13 mm	15 mm
Adapter			
AAS-4	M4	8 mm	15 mm
AAS-6	M6	8 mm	15 mm
AAS-8	M8	11 mm	17 mm
AAS-20	¼-20	0.83 in	1.1 in

Corner viewer

For allowing a part to be located in a corner. The serrations allow backlighting along the sides of the part.



R-VC-5050-4

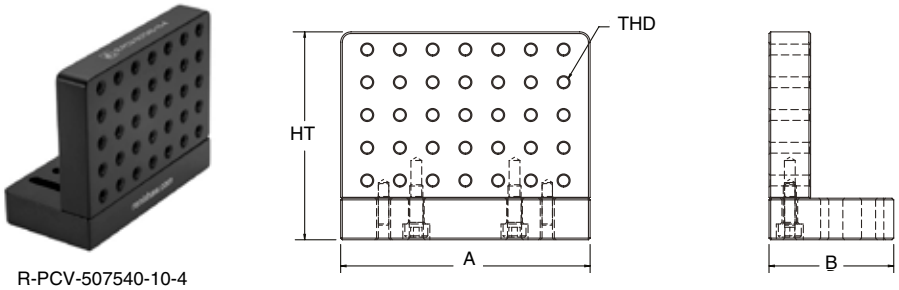
Part no.	THD	HT	A	B	C
R-VC-5050-4	M4	5 mm	50 mm	50 mm	10 mm
R-VC-7575-6	M6	7 mm	82.6 mm	82.6 mm	19 mm
R-VC-33-20	¼-20	0.25 in	3.25 in	3.25 in	0.75 in

Included: socket head cap screws.

Vertical base plate

For holding components vertically.

Part no.	THD	HT	A	B
R-PCV-507540-10-4	M4	63.5 mm	76.2 mm	38.1 mm



R-PCV-507540-10-4

Micro V block

For holding small cylindrical parts.

Part no.	HT	WDTH	DPTH
R-VMB-20510	10 mm/0.39 in	20 mm/0.79 in	5 mm/0.2 in

N.B. Set of 2.



R-VMB-20510

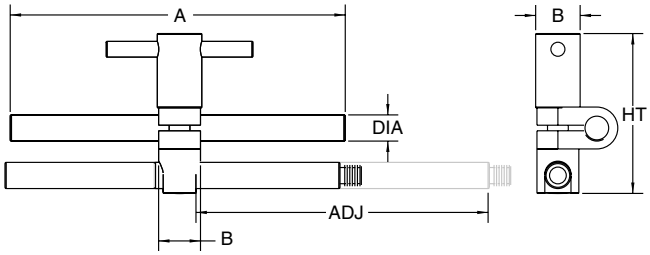
Adjustable T-arm

To support a part on its side.

Part no.	THD	DIA	HT	A	B	ADJ
R-AT-6	M6	7.8 mm	52 mm	100 mm	12.7 mm	89 mm



R-AT-6



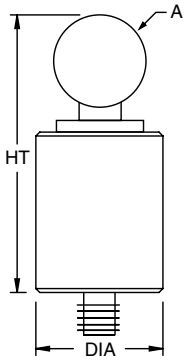
Tooling ball

For referencing CMM co-ordinates to a program or part.

Part no.	THD	DIA	HT	A
R-STB-13-6	M6	19.1 mm	41.5 mm	12.7 mm
R-STB-13-8	M8	19.1 mm	41.5 mm	12.7 mm
R-STB-50-20	¼-20	0.75 in	1.6 in	0.5 in



R-STB-13-6



Metrology table adapter plate

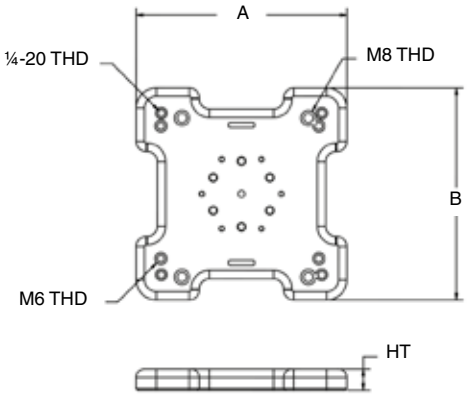
Allows for fitment of any Faro, Romer or Nikon portable CMMs to any Renishaw fixture base plate or metrology table base plate.

Part no.	THD	HT	A	B
R-PAACU	M6/M8/¼-20	20 mm/ 0.79 in	200 mm/ 7.87 in	200 mm/ 7.87 in

Included: socket head cap screws, thumb screws and washers.



R-PAACU



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Standoffs

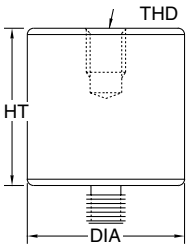
Elevate and locate your part into the machine's working volume with our selection of standoffs.

Standoff

To elevate and locate a part. Available to order in M4, M6, M8, M12 and ¼-20 thread sizes, component information continues overleaf.



R-S-125-4* R-S-1220-4 R-S-13100-6



Part no.	THD	DIA	HT
M4 standoffs			
R-S-65-4*	M4	6 mm	5 mm
R-S-610-4*	M4	6 mm	10 mm
R-S-615-4*	M4	6 mm	15 mm
R-S-620-4*	M4	6 mm	20 mm
R-S-625-4*	M4	6 mm	25 mm
R-S-95-4*	M4	9 mm	5 mm
R-S-910-4	M4	9 mm	10 mm
R-S-915-4	M4	9 mm	15 mm
R-S-920-4	M4	9 mm	20 mm
R-S-925-4	M4	9 mm	25 mm
R-S-950-4	M4	9 mm	50 mm
R-S-125-4	M4	12 mm	5 mm
R-S-1210-4	M4	12 mm	10 mm
R-S-1215-4	M4	12 mm	15 mm
R-S-1220-4	M4	12 mm	20 mm
R-S-1225-4	M4	12 mm	25 mm
R-S-1250-4	M4	12 mm	50 mm

N.B. M4 standoffs are made of aluminium.
* = does not have a threaded top.

Part no.	THD	DIA	HT
M6 standoffs			
R-S-610-6*	M6	6 mm	10 mm
R-S-625-6*	M6	6.4 mm	25 mm
R-S-95-6*	M6	9 mm	5 mm
R-S-910-6	M6	9.5 mm	10 mm
R-S-915-6	M6	9.5 mm	15 mm
R-S-920-6	M6	9.5 mm	20 mm
R-S-925-6	M6	9.5 mm	25 mm
R-S-1310-6	M6	13 mm	10 mm
R-S-1315-6	M6	12.7 mm	15 mm
R-S-1320-6	M6	12.7 mm	20 mm
R-S-1325-6	M6	12.7 mm	25 mm
R-S-1350-6	M6	12.7 mm	50 mm
R-S-13100-6	M6	12.7 mm	100 mm
R-S-13150-6	M6	12.7 mm	150 mm
R-S-1910-6	M6	19 mm	10 mm
R-S-1915-6	M6	19.1 mm	15 mm
R-S-1920-6	M6	19.1 mm	20 mm
R-S-1925-6	M6	19.1 mm	25 mm
R-S-1950-6	M6	19.1 mm	50 mm
R-S-19100-6	M6	19.1 mm	100 mm
R-S-19150-6	M6	19.1 mm	150 mm
R-S-2515-6	M6	25.4 mm	15 mm
R-S-2520-6	M6	25 mm	20 mm
R-S-2525-6	M6	25.4 mm	25 mm
R-S-2550-6	M6	25.4 mm	50 mm
R-S-25100-6	M6	25.4 mm	100 mm
R-S-25150-6	M6	25.4 mm	150 mm
R-S-3825-6	M6	38.1 mm	25 mm
R-S-3850-6	M6	38 mm	50 mm
R-S-38150-6	M6	38.1 mm	150 mm

N.B. M6 standoffs are made of steel.
* = does not have a threaded top.

Standoff continued

To elevate and locate a part. Available to order in M4, M6, M8, M12 and ¼-20 thread sizes.



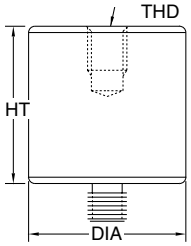
R-S-1320-8



R-S-5050-12



R-S-502-20



Part no.	THD	DIA	HT
M8 standoffs			
R-S-1315-8	M8	12.7 mm	15 mm
R-S-1320-8	M8	12.7 mm	20 mm
R-S-1325-8	M8	12.7 mm	25 mm
R-S-1350-8	M8	12.7 mm	50 mm
R-S-13100-8	M8	12.7 mm	100 mm
R-S-1915-8	M8	19.1 mm	15 mm
R-S-1920-8	M8	19.1 mm	20 mm
R-S-1925-8	M8	19.1 mm	25 mm
R-S-1950-8	M8	19.1 mm	50 mm
R-S-19100-8	M8	19.1 mm	100 mm
R-S-19150-8	M8	19.1 mm	150 mm
R-S-2520-8	M8	25.4 mm	20 mm
R-S-2525-8	M8	25.4 mm	25 mm
R-S-2550-8	M8	25.4 mm	50 mm
R-S-25100-8	M8	25.4 mm	100 mm
R-S-25150-8	M8	25.4 mm	150 mm
R-S-3825-8	M8	38.1 mm	25 mm
R-S-3850-8	M8	38.1 mm	50 mm
R-S-38150-8	M8	38.1 mm	150 mm

N.B. M8 standoffs are made of steel.

Part no.	THD	DIA	HT
M12 standoffs			
R-S-3825-12	M12	38 mm	25 mm
R-S-3850-12	M12	38 mm	50 mm
R-S-5025-12	M12	50 mm	25 mm
R-S-5050-12	M12	50 mm	50 mm
R-S-50100-12	M12	50 mm	100 mm
R-S-50200-12	M12	50 mm	200 mm
R-S-50300-12	M12	50 mm	300 mm

N.B. M12 standoffs are made of steel.

Part no.	THD	DIA	HT
¼-20 standoffs			
R-S-2550-20*	¼-20	0.25 in	0.5 in
R-S-251-20*	¼-20	0.25 in	1.0 in
R-S-37525-20*	¼-20	0.375 in	0.25 in
R-S-37550-20	¼-20	0.375 in	0.5 in
R-S-37575-20	¼-20	0.375 in	0.75 in
R-S-3751-20	¼-20	0.375 in	1.0 in
R-S-5025-20*	¼-20	0.5 in	0.25 in
R-S-5050-20	¼-20	0.5 in	0.5 in
R-S-5075-20	¼-20	0.5 in	0.75 in
R-S-501-20	¼-20	0.5 in	1.0 in
R-S-502-20	¼-20	0.5 in	2.0 in
R-S-504-20	¼-20	0.5 in	4.0 in
R-S-506-20	¼-20	0.5 in	6.0 in
R-S-7550-20	¼-20	0.75 in	0.5 in
R-S-7575-20	¼-20	0.75 in	0.75 in
R-S-751-20	¼-20	0.75 in	1.0 in
R-S-752-20	¼-20	0.75 in	2.0 in
R-S-754-20	¼-20	0.75 in	4.0 in
R-S-756-20	¼-20	0.75 in	6.0 in
R-S-150-20	¼-20	1.0 in	0.5 in
R-S-175-20	¼-20	1.0 in	0.75 in
R-S-11-20	¼-20	1.0 in	1.0 in
R-S-12-20	¼-20	1.0 in	2.0 in
R-S-14-20	¼-20	1.0 in	4.0 in
R-S-16-20	¼-20	1.0 in	6.0 in
R-S-1501-20	¼-20	1.5 in	1.0 in
R-S-1502-20	¼-20	1.5 in	2.0 in
R-S-1506-20	¼-20	1.5 in	6.0 in

* = standoffs are made of steel.

Delrin® standoff

To elevate and locate a part using a non-marring material.



R-SD-610-4 R-SD-910-4 R-SD-1325-6

Part no.	THD	DIA	HT
R-SD-610-4*	M4	6 mm	10 mm
R-SD-910-4	M4	9 mm	10 mm
R-SD-1210-4	M4	12 mm	10 mm
R-SD-925-6	M6	9 mm	25 mm
R-SD-1325-6	M6	13 mm	25 mm
R-SD-1925-6	M6	19 mm	25 mm
R-SD-3751-20	¼-20	0.38 in	1.0 in
R-SD-501-20	¼-20	0.5 in	1.0 in
R-SD-751-20	¼-20	0.75 in	1.0 in

* = does not have a threaded top.

Pin standoff

To elevate and locate a part against the pin.



R-SP-910-4 R-SP-1325-8

Part no.	THD	DIA	HT	A	B
R-SP-610-4	M4	6 mm	10 mm	2.5 mm	2 mm
R-SP-910-4	M4	9 mm	10 mm	2.5 mm	2 mm
R-SP-1210-4	M4	12 mm	10 mm	2.5 mm	2 mm
R-SP-610-6	M6	9.5 mm	10 mm	3.8 mm	1.6 mm
R-SP-910-6	M6	9.5 mm	10 mm	3.8 mm	1.6 mm
R-SP-1325-6	M6	12.7 mm	25 mm	3.8 mm	3.2 mm
R-SP-1925-6	M6	19.1 mm	25 mm	3.8 mm	3.2 mm
R-SP-2525-6	M6	25 mm	25 mm	3.8 mm	3.2 mm
R-SP-1325-8	M8	12.7 mm	25 mm	3.8 mm	3.2 mm
R-SP-1925-8	M8	19 mm	25 mm	3.8 mm	3.2 mm
R-SP-2525-8	M8	25.4 mm	25 mm	3.8 mm	3.2 mm
R-SP-501-20	¼-20	0.5 in	1.0 in	0.15 in	0.13 in
R-SP-751-20	¼-20	0.75 in	1.0 in	0.15 in	0.13 in
R-SP-2550-20	¼-20	0.38 in	0.5 in	0.15 in	0.06 in
R-SP-37550-20	¼-20	0.38 in	0.5 in	0.15 in	0.06 in
R-SP-11-20	¼-20	1.0 in	1.0 in	0.15 in	0.13 in

Delrin® pin standoff

To elevate and locate a part against a pin using a non-marring material.



R-SPD-910-4 R-SPD-1325-6

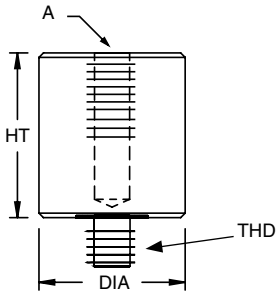
Part no.	THD	DIA	HT	A	B
R-SPD-910-4	M4	9 mm	10 mm	2.5 mm	2 mm
R-SPD-1325-6	M6	12.7 mm	25 mm	3.8 mm	3.2 mm
R-SPD-501-20	¼-20	0.5 in	1.0 in	0.15 in	0.13 in

Standoff adapter

For step clamps and calibration sphere.



R-SA-6-8



Part no.	THD	DIA	HT	A (top THD)
R-SA-14-4	M4	19.1 mm	15 mm	¼-20
R-SA-6-4	M4	19.1 mm	15 mm	M6
R-SA-8-4	M4	19.1 mm	25 mm	M8
R-SA-4-6	M6	9.5 mm	15 mm	M4
R-SA-8-6	M6	25.4 mm	25 mm	M8
R-SA-10-6	M6	25.4 mm	25 mm	M10
R-SA-14-6	M6	25.4 mm	25 mm	¼-20
R-SA-6-8	M8	25.4 mm	25 mm	M6
R-SA-14-8	M8	25.4 mm/1.0 in	25 mm/0.98 in	¼-20
R-SA-10-8	M8	25.4 mm	25 mm	M10
R-SA-8-12	M12	25.4 mm	25 mm	M8
R-SA-4-20	¼-20	9.5 mm/0.375 in	12.7 mm/0.50 in	M4
R-SA-6-20	¼-20	25.4 mm/1.0 in	25.4 mm/1.0 in	M6
R-SA-8-20	¼-20	25.4 mm/1.0 in	25.4 mm/1.0 in	M8
R-SA-10-20	¼-20	25.4 mm/1.0 in	25.4 mm/1.0 in	M10
R-SA-12-58	5/8-11	50.8 mm/2.0 in	50 mm/1.97 in	M12

2-way and 4-way spring-loaded pin standoff

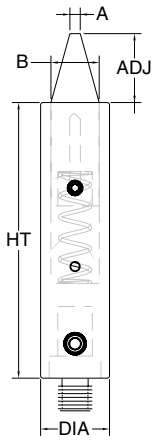
For locating within a hole or slot of a part.



R-S-2550-2W-6



R-S-2550-4W-6



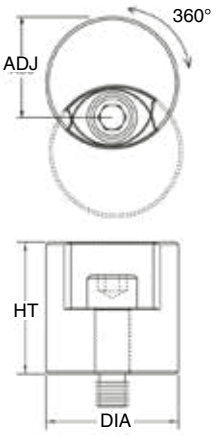
Part no.	THD	DIA	HT	A	B	ADJ
2-way pins						
R-S-1350-2W-6	M6	13 mm	50 mm	2 mm	9 mm	12.5 mm
R-S-2550-2W-6	M6	25 mm	50 mm	7 mm	19 mm	12.5 mm
R-S-2550-2W-8	M8	25 mm	50 mm	7.1 mm	19 mm	12.5 mm
R-S-502-2W-20	¼-20	0.50 in	2.0 in	0.08 in	0.35 in	0.50 in
R-S-12-2W-20	¼-20	1.0 in	2.0 in	0.28 in	0.75 in	0.50 in
4-way pins						
R-S-1350-4W-6	M6	13 mm	50 mm	2 mm	9 mm	12.5 mm
R-S-2550-4W-6	M6	25 mm	50 mm	7 mm	19 mm	12.5 mm
R-S-2550-4W-8	M8	25 mm	50 mm	7.1 mm	19 mm	12.5 mm
R-S-502-4W-20	¼-20	0.50 in	2.0 in	0.08 in	0.35 in	0.50 in
R-S-12-4W-20	¼-20	1.0 in	2.0 in	0.28 in	0.75 in	0.50 in

Rotator standoff

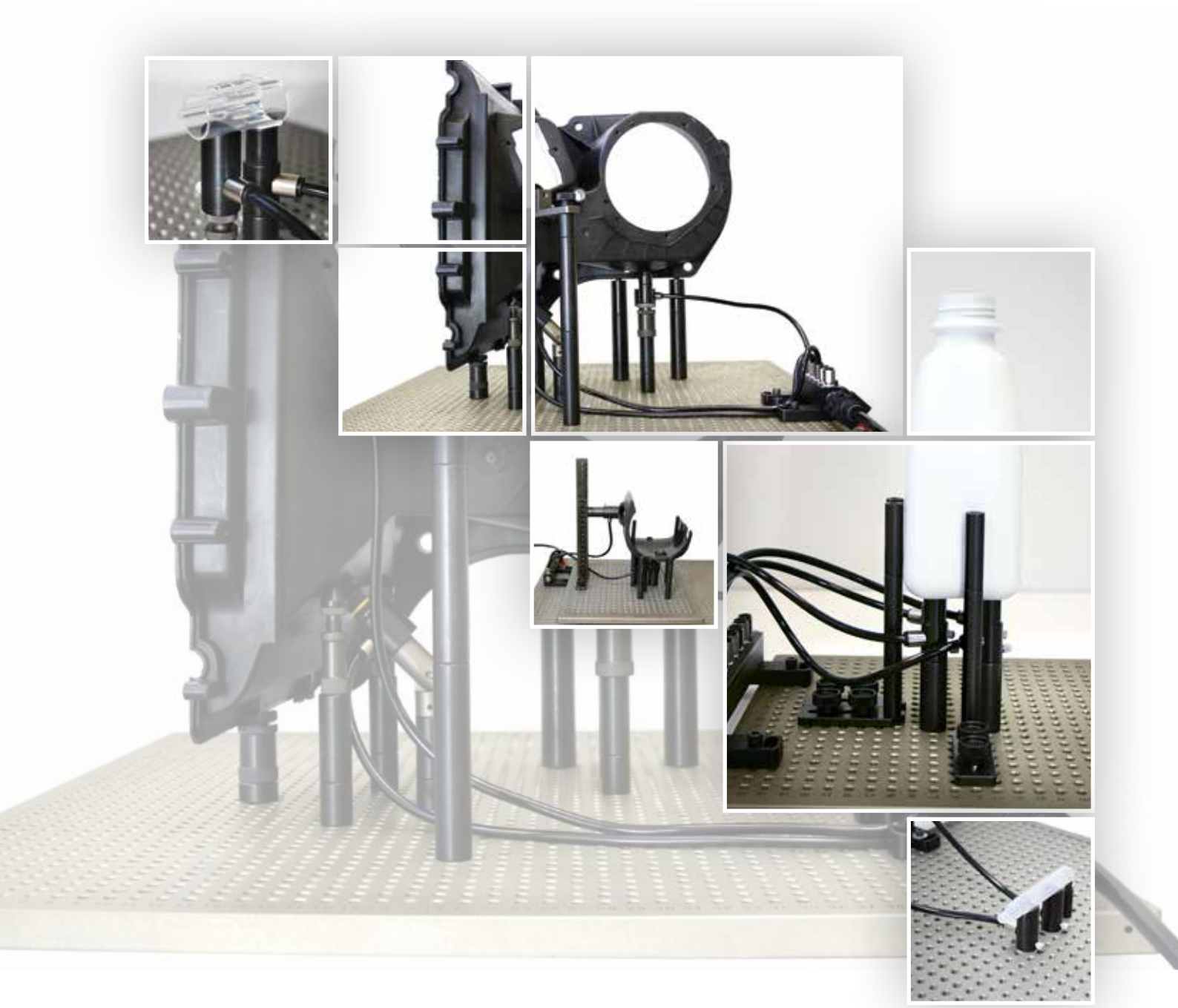
To secure parts against stops/supports.



R-SR-2525-6



Part no.	THD	DIA	HT	ADJ
R-SR-2525-6	M6	25 mm	25 mm	19 mm
R-SR-11-20	¼-20	1.0 in	1.0 in	0.76 in



Suction cups

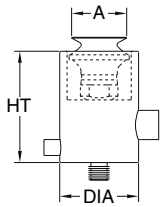
Our range of suction cups can be used to hold plastic, glass, polystrene and other non-ferrous parts, contoured surfaces, cylindrical tubes and shafts.

Suction cup

For holding plastic, glass, polystyrene and other non-ferrous parts.



R-CS-20-6 R-CS-30-6 R-CS-50-6



Part no.	THD	DIA	HT	A
R-CS-5-6	M6	18.8 mm	35 mm	5.7 mm
R-CS-10-6	M6	18.8 mm	45 mm	11 mm
R-CS-20-6	M6	31.5 mm	45 mm	22 mm
R-CS-30-6	M6	44.2 mm	65 mm	34 mm
R-CS-50-6	M6	69.6 mm	65 mm	53 mm
R-CS-5-20	¼-20	0.74 in	1.38 in	0.22 in
R-CS-10-20	¼-20	0.74 in	1.75 in	0.43 in
R-CS-20-20	¼-20	1.24 in	1.75 in	0.87 in
R-CS-30-20	¼-20	1.74 in	2.5 in	1.34 in
R-CS-50-20	¼-20	2.74 in	2.5 in	2.09 in

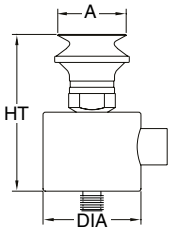
N.B. Requires R-CSH-MSC, available separately.

Exposed suction cup

For holding contoured surfaces.



R-CES-10-6 R-CES-20-6 R-CES-30-6



Part no.	THD	DIA	HT	A
R-CES-10-6	M6	18.8 mm	41.7 mm	11 mm
R-CES-20-6	M6	31.5 mm	49.4 mm	22 mm
R-CES-30-6	M6	31.5 mm	56.6 mm	34 mm
R-CES-50-6	M6	31.5 mm	66.6 mm	53 mm
R-CES-10-20	¼-20	0.74 in	1.64 in	0.43 in
R-CES-20-20	¼-20	1.24 in	1.94 in	0.87 in
R-CES-30-20	¼-20	1.24 in	2.23 in	1.34 in
R-CES-50-20	¼-20	1.24 in	2.26 in	2.09 in

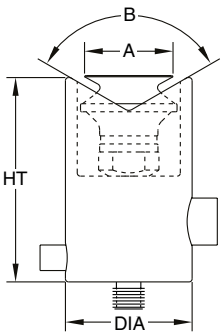
N.B. Requires R-CSH-MSC, available separately.

Suction V cup

For holding cylindrical tubes and shafts.



R-CVS-5-6 R-CVS-20-6



Part no.	THD	DIA	HT	A	B
R-CVS-5-6	M6	19 mm	35 mm	5 mm	90°
R-CVS-10-6	M6	19 mm	41 mm	10 mm	120°
R-CVS-20-6	M6	31 mm	51 mm	20 mm	120°
R-CVS-30-6	M6	44 mm	76 mm	30 mm	120°
R-CVS-50-6	M6	70 mm	89 mm	50 mm	120°
R-CVS-5-20	¼-20	0.74 in	1.46 in	0.22 in	90°
R-CVS-10-20	¼-20	0.74 in	1.62 in	0.43 in	120°
R-CVS-20-20	¼-20	1.24 in	2.0 in	0.87 in	120°
R-CVS-30-20	¼-20	1.74 in	2.98 in	1.34 in	120°
R-CVS-50-20	¼-20	2.74 in	3.5 in	2.09 in	120°

N.B. Requires R-CSH-MSC, available separately.

Vacuum pump

For suction cups with on/off valve, hose connector and quick disconnect.

Part no.	Description
R-CSVP	Vacuum pump assembly

N.B. Requires R-CSH-MP, available separately.



R-CSVP

Manifold

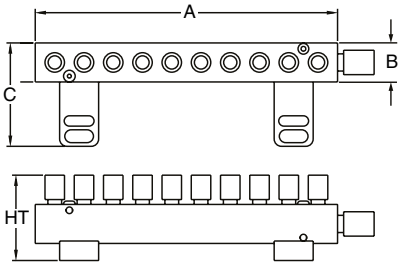
6-port or 10-port manifold can be used vertically or horizontally on base plate.

Part no.	Description	HT	A	B	C
R-CSM-6P	6-port manifold	52 mm	121 mm	25 mm	67 mm
R-CSM-10P	10-port manifold	52 mm	197 mm	25 mm	67 mm

N.B. Requires R-CSH-MP and R-CSH-MSC, available separately.



R-CSM-10P



Vacuum hose

Hose for connecting manifold to vacuum pump and to suction cups.

Part no.	Description
R-CSH-MP	9.5 mm dia. hose to connect manifold to vacuum pump (sold per 1 m)
R-CSH-MSC	6.4 mm dia. hose to connect manifold to suction cups (sold per 1 m)



R-CSH-MSC

Suction cup tray

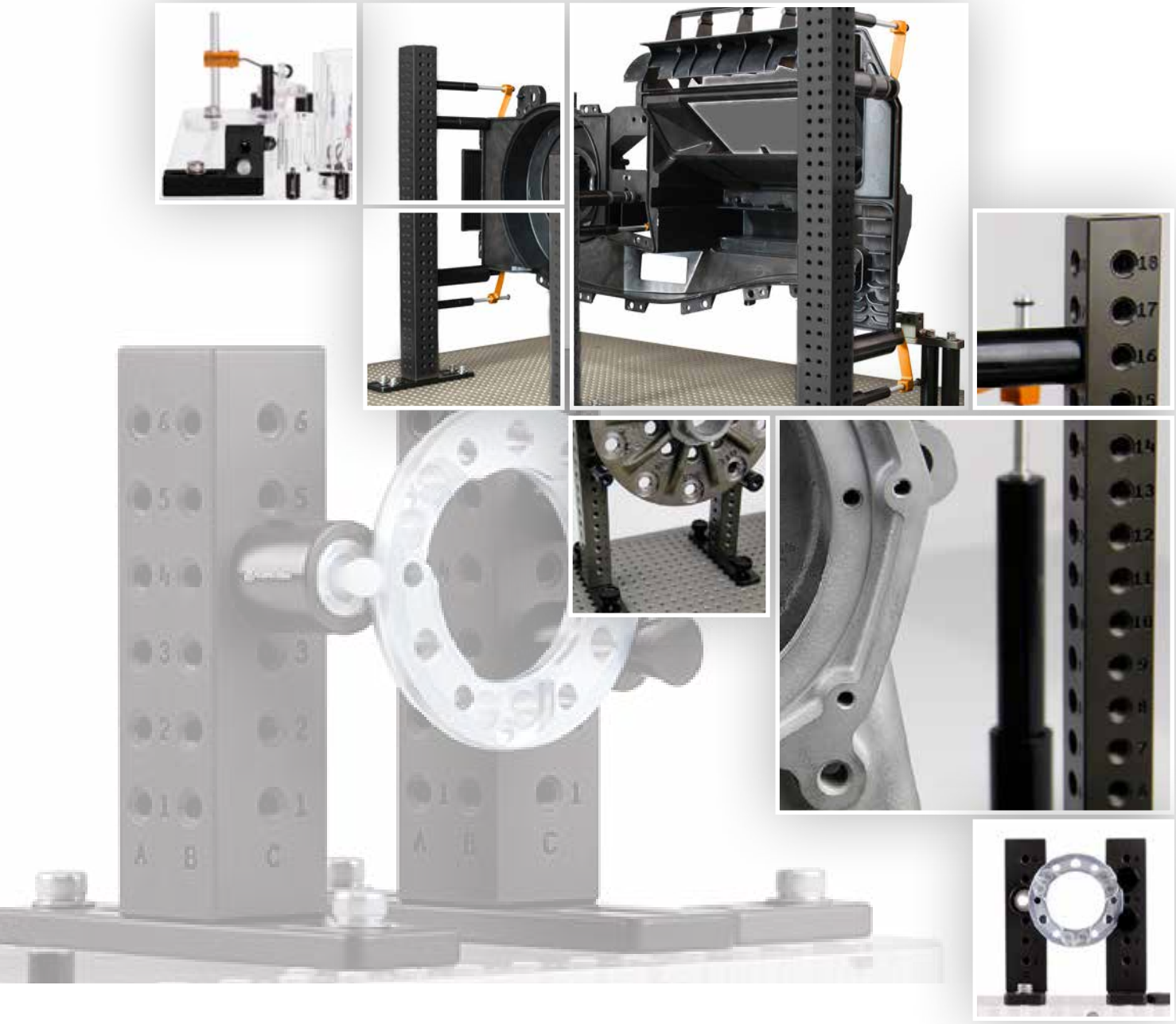
For holding and organising suction cups.



R-TCS-300200

Part no.	THD	HT	WDTH	DPTH
R-TCS-300200	M6	25.4 mm	304.8 mm	190.5 mm
R-TCS-300200	¼-20	1.0 in	12.0 in	7.5 in

N.B. Tray is compatible with both M6 or ¼-20 suction cup components.



Towers

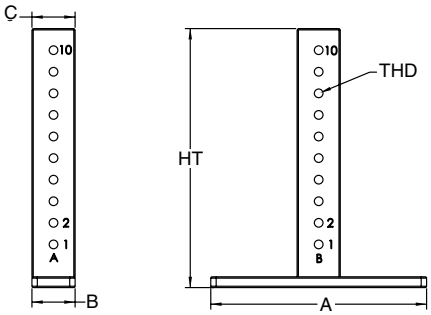
Our towers can be used to fixture large components or to hold a part vertically.

Tower

To hold a part vertically.



R-T-50600-8 R-T-35450-6 R-T-35300-8 R-T-25150-6



Part no.	THD	HT	A	B	C	THD Rows
R-T-2080-4	M4	80 mm	75 mm	20 mm	20 mm	2 / 1*
R-T-25150-6	M6	150 mm	127 mm	25 mm	25 mm	1
R-T-25300-6	M6	300 mm	127 mm	25 mm	25 mm	1
R-T-35300-6	M6	300 mm	152 mm	51 mm	35 mm	2
R-T-35450-6	M6	450 mm	152 mm	51 mm	35 mm	2
R-T-50600-6	M6	600 mm	152 mm	51 mm	50 mm	2
R-T-50750-6	M6	760 mm	152 mm	51 mm	50 mm	2
R-T-25150-8	M8	150 mm	127 mm	25 mm	25 mm	1
R-T-25300-8	M8	300 mm	127 mm	25 mm	25 mm	1
R-T-35300-8	M8	300 mm	152 mm	51 mm	35 mm	2 / 1*
R-T-35450-8	M8	450 mm	152 mm	51 mm	35 mm	2 / 1*
R-T-50600-8	M8	600 mm	152 mm	51 mm	50 mm	2
R-T-50750-8	M8	760 mm	152 mm	51 mm	50 mm	2
R-T-16-20	¼-20	6.0 in	5.0 in	1.0 in	1.0 in	1
R-T-112-20	¼-20	12.0 in	5.0 in	1.0 in	1.0 in	1
R-T-1512-20	¼-20	12.0 in	6.0 in	2.0 in	1.5 in	2
R-T-1518-20	¼-20	18.0 in	6.0 in	2.0 in	1.5 in	2
R-T-224-20	¼-20	24.0 in	6.0 in	2.0 in	2.0 in	2
R-T-230-20	¼-20	30.0 in	6.0 in	2.0 in	2.0 in	2

Included: socket head cap screws.

* Two sides have two rows of holes and two sides have one row of holes in the centre.

Tower block with base

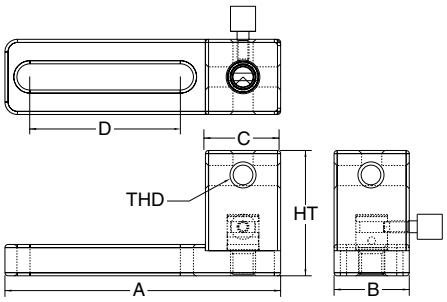
For positioning a component vertically to the part set-up. Can be used without the base to allow full rotation.



R-TB-2530-8

Part no.	THD	HT	A	B	C	D
R-TB-1619-4	M4	26.4 mm	41.3 mm	15.9 mm	15.9 mm	15 mm
R-TB-2025-6	M6	35 mm	70 mm	20 mm	20 mm	35 mm
R-TB-2530-8	M8	40 mm	88.9 mm	25 mm	25 mm	45 mm
R-TB-751-20	¼-20	1.25 in	2.75 in	0.75 in	0.75 in	1.5 in

Included: socket head cap screws.



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Trays

To hold and organize fixturing components.

Large component tray

To hold and organize components.



R-TC-560500

Part no.	THD	HT	LNGTH	WDTH
R-TC-560500	M6/M8/ ¼-20	25 mm/ 1 in	560 mm/ 21.5 in	500 mm/ 20 in

Medium component tray

To hold and organize components.



R-TC-500200

Part no.	THD	HT	LNGTH	WDTH
R-TC-500200	M6/M8/ ¼-20	25 mm/ 1 in	500 mm/ 20 in	200 mm/ 8 in

Small component tray

To hold and organize components.



R-TC-300190-4



R-TC-300200



R-TC-300190-20

Part no.	THD	HT	LNGTH	WDTH
M4 component tray				
R-TC-300190-4	M4	25 mm	300 mm	190 mm
M6/M8 component tray				
R-TC-300190-6	M6	25 mm	300 mm	190 mm
R-TC-300200*	M6/M8/ ¼-20	25 mm/ 1 in	300 mm/ 12 in	200 mm/ 8 in
¼-20 component tray				
R-TC-300190-20	¼-20	1 in	12 in	8 in

*Designed to hold 1.5 in/38 mm dia. standoffs.

Component storage box

Compartment box to hold and organize components.

Part no.	HT	LNGTH	WDTH
R-BC10	40 mm	200 mm	135 mm



R-BC10

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