Technical specification
H-1000-0078-02-A

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Renishaw CMM fixtures

Your single source for metrology fixturing

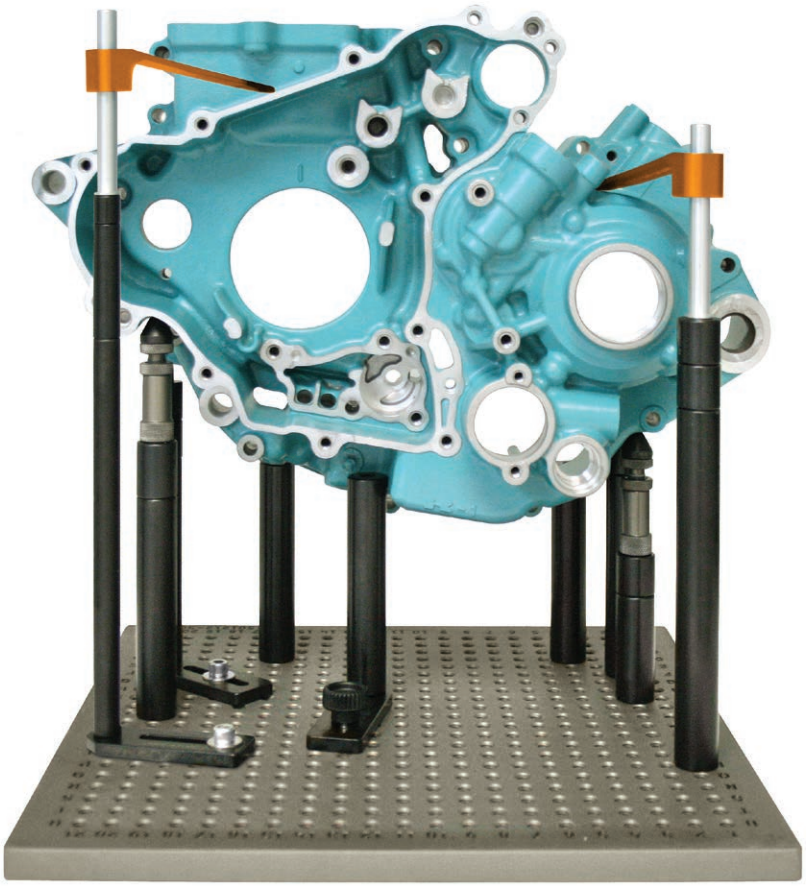


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Introduction

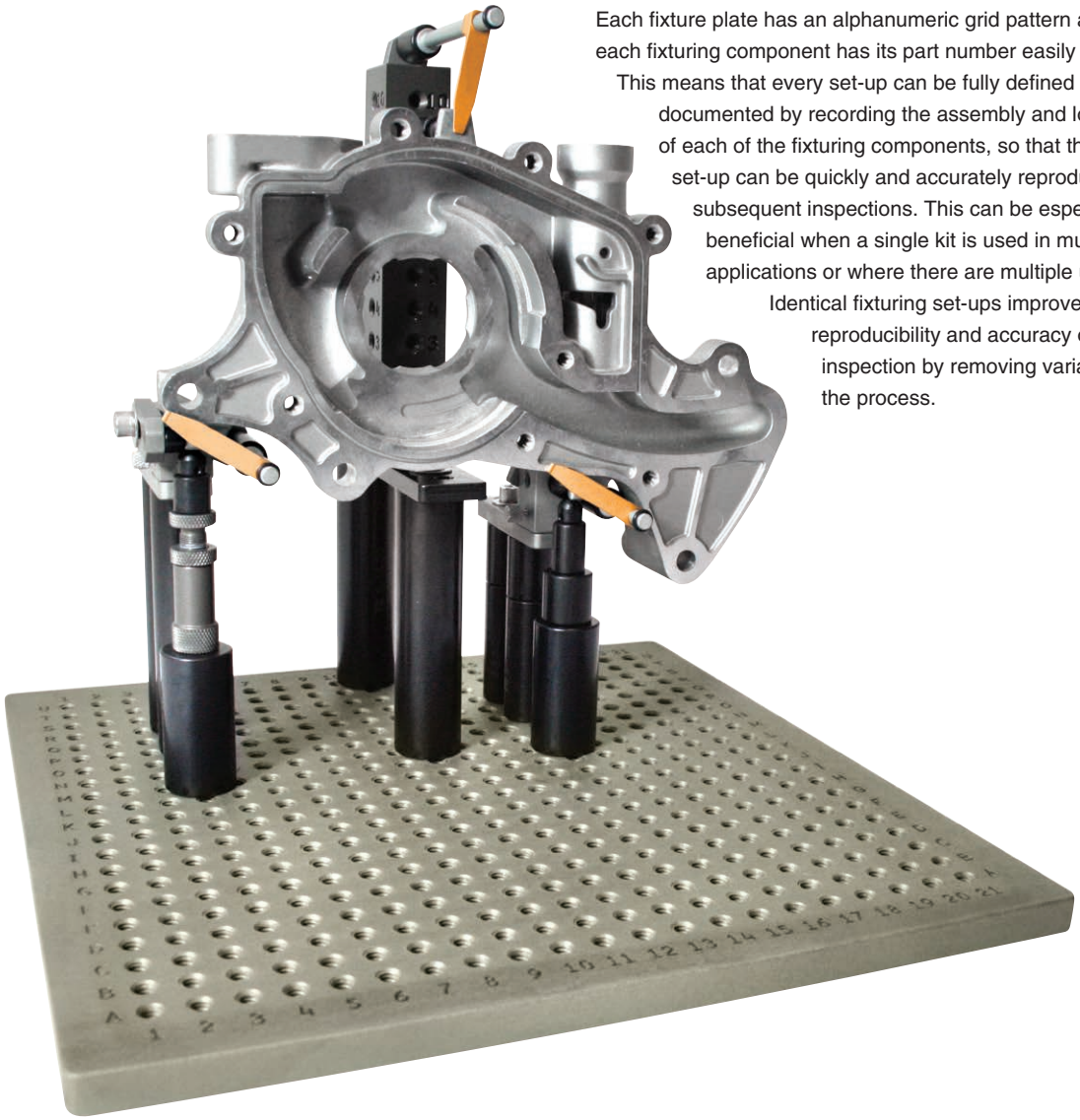
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Modular fixturing for your CMM

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.

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 or M8 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 delays in inspection.

Each fixture plate has an alphanumeric grid pattern and each fixturing component has its part number easily visible. This means that every set-up can be fully defined and documented by recording the assembly and location of each of the fixturing components, so that the same set-up can be quickly and accurately reproduced for subsequent inspections. This can be especially beneficial when a single kit is used in multiple applications or where there are multiple users. Identical fixturing set-ups improve the reproducibility and accuracy of inspection by removing variation from the process.



CMM base plates

CMM base plates

Renishaw CMM fixtures are available with a wide selection of fixture base plate sizes designed to allow fixturing of all workpieces, from very small delicate parts, up to large, heavy industrial components.

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 or M8.

Cast aluminium base plates are coated with Nituff® hard coat anodise to resist wear and scratching and are available in sizes up to 1500 mm × 3000 mm.

Secure the plate to your machine with Renishaw's plate clamps. A pair of clamps is included with all plates up to 600 mm × 600 mm.

Plate options

Part no.	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-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

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



CMM fixturing kits

Choosing your fixturing kit

Renishaw CMM fixtures are sold in preconfigured kits to make it easy to get started. A kit consists of one base plate and a comprehensive set of components.

The type of parts you are going to fixture will determine which kit you choose.

Renishaw offers two different kit choices:

- **Clamping kit**
- **Magnetic and clamping kit**

If you are fixturing steel or cast iron parts, the magnetic and clamping kit is recommended.

Kits are available in a range of thread sizes: M4, M6 and M8. Additional components can be purchased to expand your kit.

How to choose your kit

1. **Choose a thread size: M4, M6 or M8**
2. **Choose the size of your base plate**
3. **Choose a kit type: clamping or magnetic and clamping**
4. **Choose a set of components**

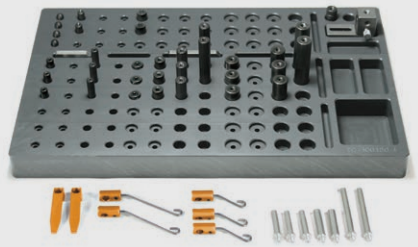


M8 magnetic and clamping kit

M4 kits: Clamping

The M4 CMM clamping kits can be used to hold brass, titanium, aluminium, plastic and other nonferrous parts.

A kit includes a base plate with M4 threaded holes 10 mm on centre (choose from plate sizes listed below) and a set of components (A) along with plate clamps for mounting to the CMM.





R-KC-C2A-4 kit

Kit part no.	Base plate size	Set
R-KC-C1A-4	13 mm × 150 mm × 150 mm	A
R-KC-C2A-4	13 mm × 300 mm × 300 mm	A

Component set A (part no. R-FSC-CA-4)

Qty	Part no.	Description
3	R-S-610-4	6 mm dia. × 10 mm standoff
3	R-S-625-4	6 mm dia. × 25 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
2	R-S-950-4	9 mm dia. × 50 mm standoff
3	R-S-1210-4	12 mm dia. × 10 mm standoff
3	R-S-1225-4	12 mm dia. × 25 mm standoff
2	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
3	R-CW-25-25-4	25 mm wire clamp with 25 mm post
2	R-CW-50-50-4	50 mm wire clamp with 50 mm post
4	R-RPA-4	Aluminium resting pin
1	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 mm² × 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)

Total: 46

M6 kits: Clamping

The M6 CMM clamping kits can be used to hold brass, titanium, aluminium, plastic and other nonferrous parts.

A kit includes a base plate with M6 threaded holes 12.5 mm on centre (choose from plate sizes listed below) and one set of components (A, B, or C) along with plate clamps for mounting to the CMM.





R-KC-C2B-6 kit

Kit part no.	Base plate size	Set
R-KC-C1A-6	13 mm × 300 mm × 300 mm	A
R-KC-C2A-6	13 mm × 450 mm × 450 mm	A
R-KC-C3A-6	19 mm × 600 mm × 600 mm	A
R-KC-C4A-6	19 mm × 750 mm × 750 mm	A
R-KC-C5A-6	19 mm × 750 mm × 1000 mm	A
R-KC-C6A-6	19 mm × 900 mm × 1200 mm	A

Kit part no.	Base plate size	Set
R-KC-C1B-6	13 mm × 300 mm × 300 mm	B
R-KC-C2B-6	13 mm × 450 mm × 450 mm	B
R-KC-C3B-6	19 mm × 600 mm × 600 mm	B
R-KC-C4B-6	19 mm × 750 mm × 750 mm	B
R-KC-C5B-6	19 mm × 750 mm × 1000 mm	B
R-KC-C6B-6	19 mm × 900 mm × 1200 mm	B

Kit part no.	Base plate size	Set
R-KC-C1C-6	13 mm × 300 mm × 300 mm	C
R-KC-C2C-6	13 mm × 450 mm × 450 mm	C
R-KC-C3C-6	19 mm × 600 mm × 600 mm	C
R-KC-C4C-6	19 mm × 750 mm × 750 mm	C
R-KC-C5C-6	19 mm × 750 mm × 1000 mm	C
R-KC-C6C-6	19 mm × 900 mm × 1200 mm	C

Component set A (part no: R-FSC-CA-6)

Qty	Part no.	Description
3	R-S-1320-6	13 mm dia. × 20 mm standoff
3	R-S-1325-6	13 mm dia. × 25 mm standoff
3	R-S-1350-6	13 mm dia. × 50 mm standoff
3	R-S-1920-6	19 mm dia. × 20 mm standoff
3	R-S-1925-6	19 mm dia. × 25 mm standoff
3	R-S-1950-6	19 mm dia. × 50 mm standoff
3	R-S-2520-6	25 mm dia. × 20 mm standoff
3	R-S-2525-6	25 mm dia. × 25 mm standoff
3	R-S-2550-6	25 mm dia. × 50 mm standoff
2	R-SP-1325-6	13 mm dia. × 25 mm pin standoff
2	R-CT-40-30-6	40 mm tension clamp with 30 mm post
4	R-CT-64-70-6	64 mm tension clamp with 70 mm post
4	R-RCD-6	Delrin® resting cone
1	R-AJ-13-6	13 mm dia. adjustable jackstand
1	R-AS-45-6	45 mm long adjustable slide
1	R-AS-70-6	70 mm long adjustable slide
1	R-TC-500200	500 mm × 200 mm × 25 mm component tray
1	R-BC10	50 mm × 200 mm × 150 mm compartment box (not shown)

Total: 44

Component set B (part no. R-FSC-CB-6)

Qty	Part no.	Description
3	R-S-910-6	9 mm dia. × 10 mm standoff
6	R-S-1320-6	13 mm dia. × 20 mm standoff
6	R-S-1325-6	13 mm dia. × 25 mm standoff
6	R-S-1350-6	13 mm dia. × 50 mm standoff
3	R-S-1910-6	19 mm dia. × 10 mm standoff
6	R-S-1920-6	19 mm dia. × 20 mm standoff
6	R-S-1925-6	19 mm dia. × 25 mm standoff
6	R-S-1950-6	19 mm dia. × 50 mm standoff
4	R-S-19100-6	19 mm dia. × 100 mm standoff
6	R-S-2520-6	25 mm dia. × 20 mm standoff
6	R-S-2525-6	25 mm dia. × 25 mm standoff
6	R-S-2550-6	25 mm dia. × 50 mm standoff
4	R-S-25100-6	25 mm dia. × 100 mm standoff
4	R-SP-1325-6	13 mm dia. × 25 mm pin standoff
6	R-CT-40-30-6	40 mm tension clamp with 30 mm post
12	R-CT-64-70-6	64 mm tension clamp with 70 mm post
4	R-RCD-6	Delrin® resting cone
4	R-RPS-6	Steel resting pin
2	R-AJ-13-6	13 mm dia. adjustable jackstand
2	R-AJ-25-6	25 mm dia. adjustable jackstand
2	R-AS-45-6	45 mm long adjustable slide
2	R-AS-70-6	70 mm long adjustable slide
2	R-TB-2025-6	Tower block with base 20 mm² × 30 mm
1	R-TC-500200	500 mm × 200 mm × 25 mm component tray
1	R-BC10	50 mm × 200 mm × 150 mm compartment box (not shown)

Total: 110

Component set C (part no.R-FSC-CC-6)

Qty	Part no.	Description
6	R-S-910-6	9 mm dia. × 10 mm standoff
4	R-S-1310-6	13 mm dia. × 10 mm standoff
8	R-S-1320-6	13 mm dia. × 20 mm standoff
8	R-S-1325-6	13 mm dia. × 25 mm standoff
8	R-S-1350-6	13 mm dia. × 50 mm standoff
4	R-S-1910-6	19 mm dia. × 10 mm standoff
8	R-S-1920-6	19 mm dia. × 20 mm standoff
8	R-S-1925-6	19 mm dia. × 25 mm standoff
8	R-S-1950-6	19 mm dia. × 50 mm standoff
6	R-S-19100-6	19 mm dia. × 100 mm standoff
8	R-S-2520-6	25 mm dia. × 20 mm standoff
8	R-S-2525-6	25 mm dia. × 25 mm standoff
8	R-S-2550-6	25 mm dia. × 50 mm standoff
6	R-S-25100-6	25 mm dia. × 100 mm standoff
4	R-SP-1325-6	13 mm dia. × 25 mm pin standoff
2	R-SP-1925-6	19 mm dia. × 25 mm pin standoff
6	R-CT-40-30-6	40 mm tension clamp with 30 mm post
12	R-CT-64-70-6	64 mm tension clamp with 70 mm post
3	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
1	R-CTB-25-6	25 mm tension clamp bracket
6	R-RCD-6	Delrin® resting cone
6	R-RPS-6	Steel resting pin
1	R-APJ-6	Adjustable pivot joint
4	R-AJ-13-6	13 mm dia. adjustable jackstand
3	R-AJ-25-6	25 mm dia. adjustable jackstand
3	R-AS-45-6	45 mm long adjustable slide
4	R-AS-70-6	70 mm long adjustable slide
2	R-TB-2025-6	Tower block with base 20 mm² × 30 mm
1	R-T-25300-6	25 mm² × 300 mm tower
2	R-TC-500200	500 mm × 200 mm × 25 mm component tray
2	R-BC10	50 mm × 200 mm × 150 mm compartment box (not shown)

Total: 163

M6 kits: Magnetic and clamping

The M6 CMM magnetic and clamping kits can be used to hold steel, aluminium, plastic and other nonferrous parts.

A kit includes a base plate with M6 threaded holes 12.5 mm on centre (choose from plate sizes listed below) and one set of components (A, B, or C) along with plate clamps for mounting to the CMM.



R-KC-MC2B-6 kit shown

Kit part no.	Base plate size	Set
R-KC-MC1A-6	13 mm × 300 mm × 300 mm	A
R-KC-MC2A-6	13 mm × 450 mm × 450 mm	A
R-KC-MC3A-6	19 mm × 600 mm × 600 mm	A
R-KC-MC4A-6	19 mm × 750 mm × 750 mm	A
R-KC-MC5A-6	19 mm × 750 mm × 1000 mm	A
R-KC-MC6A-6	19 mm × 900 mm × 1200 mm	A

Kit part no.	Base plate size	Set
R-KC-MC1B-6	13 mm × 300 mm × 300 mm	B
R-KC-MC2B-6	13 mm × 450 mm × 450 mm	B
R-KC-MC3B-6	19 mm × 600 mm × 600 mm	B
R-KC-MC4B-6	19 mm × 750 mm × 750 mm	B
R-KC-MC5B-6	19 mm × 750 mm × 1000 mm	B
R-KC-MC6B-6	19 mm × 900 mm × 1200 mm	B

Kit part no.	Base plate size	Set
R-KC-MC1C-6	13 mm × 300 mm × 300 mm	C
R-KC-MC2C-6	13 mm × 450 mm × 450 mm	C
R-KC-MC3C-6	19 mm × 600 mm × 600 mm	C
R-KC-MC4C-6	19 mm × 750 mm × 750 mm	C
R-KC-MC5C-6	19 mm × 750 mm × 1000 mm	C
R-KC-MC6C-6	19 mm × 900 mm × 1200 mm	C

Component set A (part no. R-FSC-MCA-6)

Qty	Part no.	Description
3	R-M-13-6	13 mm dia. × 25 mm magnet
3	R-M-19-6	19 mm dia. × 25 mm magnet
3	R-M-25-6	25 mm dia. × 25 mm magnet
3	R-S-1320-6	13 mm dia. × 20 mm standoff
3	R-S-1325-6	13 mm dia. × 25 mm standoff
3	R-S-1350-6	13 mm dia. × 50 mm standoff
3	R-S-1920-6	19 mm dia. × 20 mm standoff
3	R-S-1925-6	19 mm dia. × 25 mm standoff
3	R-S-1950-6	19 mm dia. × 50 mm standoff
3	R-S-2520-6	25 mm dia. × 20 mm standoff
3	R-S-2525-6	25 mm dia. × 25 mm standoff
3	R-S-2550-6	25 mm dia. × 50 mm standoff
4	R-CT-64-70-6	64 mm tension clamp with 70 mm post
4	R-RCD-6	Delrin® resting cone
1	R-AJ-13-6	13 mm dia. adjustable jackstand
1	R-AS-45-6	45 mm long adjustable slide
1	R-AS-70-6	70 mm long adjustable slide
1	R-TC-500200	500 mm × 200 mm × 25 mm component tray
1	R-BC10	50 mm × 200 mm × 150 mm compartment box (not shown)

Total: 49

Component set B (part no. R-FSC-MCB-6)

Qty	Part no.	Description
4	R-M-13-6	13 mm dia. × 25 mm magnet
4	R-M-19-6	19 mm dia. × 25 mm magnet
4	R-M-25-6	25 mm dia. × 25 mm magnet
2	R-MP-13-6	13 mm dia. 25 mm pin magnet
3	R-S-910-6	9 mm dia. × 10 mm standoff
6	R-S-1320-6	13 mm dia. × 20 mm standoff
6	R-S-1325-6	13 mm dia. × 25 mm standoff
6	R-S-1350-6	13 mm dia. × 50 mm standoff
3	R-S-1910-6	19 mm dia. × 10 mm standoff
6	R-S-1920-6	19 mm dia. × 20 mm standoff
6	R-S-1925-6	19 mm dia. × 25 mm standoff
6	R-S-1950-6	19 mm dia. × 50 mm standoff
3	R-S-19100-6	19 mm dia. × 100 mm standoff
6	R-S-2520-6	25 mm dia. × 20 mm standoff
6	R-S-2525-6	25 mm dia. × 25 mm standoff
6	R-S-2550-6	25 mm dia. × 50 mm standoff
3	R-S-25100-6	25 mm dia. × 100 mm standoff
4	R-CT-40-30-6	40 mm tension clamp with 30 mm post
8	R-CT-64-70-6	64 mm tension clamp with 70 mm post
4	R-RCD-6	Delrin® resting cone
4	R-RPS-6	Steel resting pin
2	R-AJ-13-6	13 mm dia. adjustable jackstand
2	R-AJ-25-6	25 mm dia. adjustable jackstand
2	R-AS-45-6	45 mm long adjustable slide
2	R-AS-70-6	70 mm long adjustable slide
2	R-TB-2025-6	Tower block with base 20 mm² × 30 mm
1	R-TC-500200	500 mm × 200 mm × 25 mm component tray
1	R-BC10	50 mm × 200 mm × 150 mm compartment box (not shown)

Total: 112

Component set C (part no.R-FSC-MCC-6)

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

Total: 165

M8 kits: Clamping

The M8 CMM clamping kits can be used to hold aluminium, plastic and other nonferrous parts.

A kit includes a base plate with M8 threaded holes 15 mm on centre (choose from plate sizes listed below) and one set of components (A, B, or C) along with plate clamps for mounting to CMM.



R-KC-C2B-8 kit

Kit part no.	Base plate size	Set
R-KC-C1A-8	13 mm × 300 mm × 300 mm	A
R-KC-C2A-8	13 mm × 450 mm × 450 mm	A
R-KC-C3A-8	19 mm × 600 mm × 600 mm	A
R-KC-C4A-8	19 mm × 750 mm × 750 mm	A
R-KC-C5A-8	19 mm × 750 mm × 1020 mm	A
R-KC-C6A-8	19 mm × 900 mm × 1200 mm	A

Kit part no.	Base plate size	Set
R-KC-C1B-8	13 mm × 300 mm × 300 mm	B
R-KC-C2B-8	13 mm × 450 mm × 450 mm	B
R-KC-C3B-8	19 mm × 600 mm × 600 mm	B
R-KC-C4B-8	19 mm × 750 mm × 750 mm	B
R-KC-C5B-8	19 mm × 750 mm × 1020 mm	B
R-KC-C6B-8	19 mm × 900 mm × 1200 mm	B

Kit part no.	Base plate size	Set
R-KC-C1C-8	13 mm × 300 mm × 300 mm	C
R-KC-C2C-8	13 mm × 450 mm × 450 mm	C
R-KC-C3C-8	19 mm × 600 mm × 600 mm	C
R-KC-C4C-8	19 mm × 750 mm × 750 mm	C
R-KC-C5C-8	19 mm × 750 mm × 1020 mm	C
R-KC-C6C-8	19 mm × 900 mm × 1200 mm	C

Component set A (part no. R-FSC-CA-8)

Qty	Part no.	Description
3	R-S-1320-8	13 mm dia. × 20 mm standoff
3	R-S-1325-8	13 mm dia. × 25 mm standoff
3	R-S-1350-8	13 mm dia. × 50 mm standoff
3	R-S-1920-8	19 mm dia. × 20 mm standoff
3	R-S-1925-8	19 mm dia. × 25 mm standoff
3	R-S-1950-8	19 mm dia. × 50 mm standoff
3	R-S-2520-8	25 mm dia. × 20 mm standoff
3	R-S-2525-8	25 mm dia. × 25 mm standoff
3	R-S-2550-8	25 mm dia. × 50 mm standoff
2	R-SP-1325-8	13 mm dia. × 25 mm pin standoff
2	R-CT-40-30-8	40 mm tension clamp with 30 mm post
4	R-CT-64-70-8	64 mm tension clamp with 70 mm post
4	R-RCD-8	Delrin® resting cone
1	R-AJ-19-8	19 mm dia. adjustable jackstand
1	R-AS-70-8	70 mm long adjustable slide
1	R-TC-500200	500 mm × 200 mm × 25 mm component tray
1	R-BC10	50 mm × 200 mm × 150 mm compartment box (not shown)

Total: 43

Component set B (part no. R-FSC-CB-8)

Qty	Part no.	Description
3	R-S-1315-8	13 mm dia. × 15 mm standoff
6	R-S-1320-8	13 mm dia. × 20 mm standoff
6	R-S-1325-8	13 mm dia. × 25 mm standoff
6	R-S-1350-8	13 mm dia. × 50 mm standoff
3	R-S-1915-8	19 mm dia. × 15 mm standoff
6	R-S-1920-8	19 mm dia. × 20 mm standoff
6	R-S-1925-8	19 mm dia. × 25 mm standoff
6	R-S-1950-8	19 mm dia. × 50 mm standoff
4	R-S-19100-8	19 mm dia. × 100 mm standoff
6	R-S-2520-8	25 mm dia. × 20 mm standoff
6	R-S-2525-8	25 mm dia. × 25 mm standoff
6	R-S-2550-8	25 mm dia. × 50 mm standoff
4	R-S-25100-8	25 mm dia. × 100 mm standoff
4	R-SP-1325-8	13 mm dia. × 25 mm pin standoff
6	R-CT-40-30-8	40 mm tension clamp with 30 mm post
12	R-CT-64-70-8	64 mm tension clamp with 70 mm post
4	R-RCD-8	Delrin® resting cone
4	R-RCS-8	Steel resting cone
2	R-AJ-19-8	19 mm dia. adjustable jackstand
2	R-AJ-25-8	25 mm dia. adjustable jackstand
1	R-AS-45-8	45 mm long adjustable slide
3	R-AS-70-8	70 mm long adjustable slide
2	R-TB-2530-8	Tower block with base
1	R-TC-500200	500 mm × 200 mm × 25 mm component tray
1	R-BC10	50 mm × 200 mm × 150 mm compartment box (not shown)

Total: 110

Component set C (part no. R-FSC-CC-8)

Qty	Part no.	Description
4	R-S-1315-8	13 mm dia. × 15 mm standoff
8	R-S-1320-8	13 mm dia. × 20 mm standoff
8	R-S-1325-8	13 mm dia. × 25 mm standoff
8	R-S-1350-8	13 mm dia. × 50 mm standoff
4	R-S-1915-8	19 mm dia. × 15 mm standoff
8	R-S-1920-8	19 mm dia. × 20 mm standoff
8	R-S-1925-8	19 mm dia. × 25 mm standoff
8	R-S-1950-8	19 mm dia. × 50 mm standoff
6	R-S-19100-8	19 mm dia. × 100 mm standoff
8	R-S-2520-8	25 mm dia. × 20 mm standoff
8	R-S-2525-8	25 mm dia. × 25 mm standoff
8	R-S-2550-8	25 mm dia. × 50 mm standoff
6	R-S-25100-8	25 mm dia. × 100 mm standoff
6	R-SP-1325-8	13 mm dia. × 25 mm pin standoff
6	R-CT-40-30-8	40 mm tension clamp with 30 mm post
12	R-CT-64-70-8	64 mm tension clamp with 70 mm post
3	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
1	R-CTB-25-8	25 mm tension clamp bracket
4	R-RCD-8	Delrin® resting cone
4	R-RCS-8	Steel resting cone
1	R-APJ-8	Adjustable pivot joint
4	R-AJ-19-8	19 mm dia. adjustable jackstand
3	R-AJ-25-8	25 mm dia. adjustable jackstand
3	R-AS-45-8	45 mm long adjustable slide
4	R-AS-70-8	70 mm long adjustable slide
2	R-TB-2530-8	Tower block with base
1	R-T-25300-8	25 mm² × 300 mm tower
2	R-TC-500200	500 mm × 200 mm × 25 mm component tray
2	R-BC10	50 mm × 200 mm × 150 mm compartment box (not shown)

Total: 153

M8 kits: Magnetic and clamping

M8 CMM magnetic and clamping kits can be used to hold steel, aluminium, plastic and other non-ferrous parts.

A kit includes a base plate with M8 threaded holes 15 mm on centre (choose from plate sizes listed below) and one set of components (A, B, or C) along with plate clamps for mounting to the CMM.





R-KC-MC2B-8 kit

Kit part no.	Base plate size	Set
R-KC-MC1A-8	13 mm × 300 mm × 300 mm	A
R-KC-MC2A-8	13 mm × 450 mm × 450 mm	A
R-KC-MC3A-8	19 mm × 600 mm × 600 mm	A
R-KC-MC4A-8	19 mm × 750 mm × 750 mm	A
R-KC-MC5A-8	19 mm × 750 mm × 1020 mm	A
R-KC-MC6A-8	19 mm × 900 mm × 1200 mm	A

Kit part no.	Base plate size	Set
R-KC-MC1B-8	13 mm × 300 mm × 300 mm	B
R-KC-MC2B-8	13 mm × 450 mm × 450 mm	B
R-KC-MC3B-8	19 mm × 600 mm × 600 mm	B
R-KC-MC4B-8	19 mm × 750 mm × 750 mm	B
R-KC-MC5B-8	19 mm × 750 mm × 1020 mm	B
R-KC-MC6B-8	19 mm × 900 mm × 1200 mm	B

Kit part no.	Base plate size	Set
R-KC-MC1C-8	13 mm × 300 mm × 300 mm	C
R-KC-MC2C-8	13 mm × 450 mm × 450 mm	C
R-KC-MC3C-8	19 mm × 600 mm × 600 mm	C
R-KC-MC4C-8	19 mm × 750 mm × 750 mm	C
R-KC-MC5C-8	19 mm × 750 mm × 1020 mm	C
R-KC-MC6C-8	19 mm × 900 mm × 1200 mm	C

Component set A (part no. R-FSC-MCA-8)

Qty	Part no.	Description
3	R-M-13-8	13 mm dia. × 25 mm magnet
3	R-M-19-8	19 mm dia. × 25 mm magnet
3	R-M-25-8	25 mm dia. × 25 mm magnet
3	R-S-1320-8	13 mm dia. × 20 mm standoff
3	R-S-1325-8	13 mm dia. × 25 mm standoff
3	R-S-1350-8	13 mm dia. × 50 mm standoff
3	R-S-1920-8	19 mm dia. × 20 mm standoff
3	R-S-1925-8	19 mm dia. × 25 mm standoff
3	R-S-1950-8	19 mm dia. × 50 mm standoff
3	R-S-2520-8	25 mm dia. × 20 mm standoff
3	R-S-2525-8	25 mm dia. × 25 mm standoff
3	R-S-2550-8	25 mm dia. × 50 mm standoff
3	R-CT-64-70-8	64 mm tension clamp with 70 mm post
4	R-RCD-8	Delrin® resting cone
1	R-AJ-19-8	19 mm dia. adjustable jackstand
1	R-AS-70-8	70 mm long adjustable slide
1	R-TC-500200	500 mm × 200 mm × 25 mm component tray
1	R-BC10	50 mm × 200 mm × 150 mm compartment box (not shown)

Total: 47

Component set B (part no. R-FSC-MCB-8)

Qty	Part no.	Description
4	R-M-13-8	13 mm dia. × 25 mm magnet
4	R-M-19-8	19 mm dia. × 25 mm magnet
4	R-M-25-8	25 mm dia. × 25 mm magnet
2	R-MP-13-8	13 mm dia. × 25 mm pin magnet
3	R-S-1315-8	13 mm dia. × 15 mm standoff
6	R-S-1320-8	13 mm dia. × 20 mm standoff
6	R-S-1325-8	13 mm dia. × 25 mm standoff
6	R-S-1350-8	13 mm dia. × 50 mm standoff
3	R-S-1915-8	19 mm dia. × 15 mm standoff
6	R-S-1920-8	19 mm dia. × 20 mm standoff
6	R-S-1925-8	19 mm dia. × 25 mm standoff
6	R-S-1950-8	19 mm dia. × 50 mm standoff
4	R-S-19100-8	19 mm dia. × 100 mm standoff
6	R-S-2520-8	25 mm dia. × 20 mm standoff
6	R-S-2525-8	25 mm dia. × 25 mm standoff
6	R-S-2550-8	25 mm dia. × 50 mm standoff
4	R-S-25100-8	25 mm dia. × 100 mm standoff
4	R-CT-40-30-8	40 mm tension clamp with 30 mm post
8	R-CT-64-70-8	64 mm tension clamp with 70 mm post
4	R-RCD-8	Delrin® resting cone
4	R-RCS-8	Steel resting cone
2	R-AJ-19-8	19 mm dia. adjustable jackstand
2	R-AJ-25-8	25 mm dia. adjustable jackstand
1	R-AS-45-8	45 mm long adjustable slide
3	R-AS-70-8	70 mm long adjustable slide
2	R-TB-2530-8	Tower block with base
1	R-TC-500200	500 mm × 200 mm × 25 mm component tray
1	R-BC10	50 mm × 200 mm × 150 mm compartment box (not shown)

Total: 114

Component set C (part no. R-FSC-MCC-8)

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

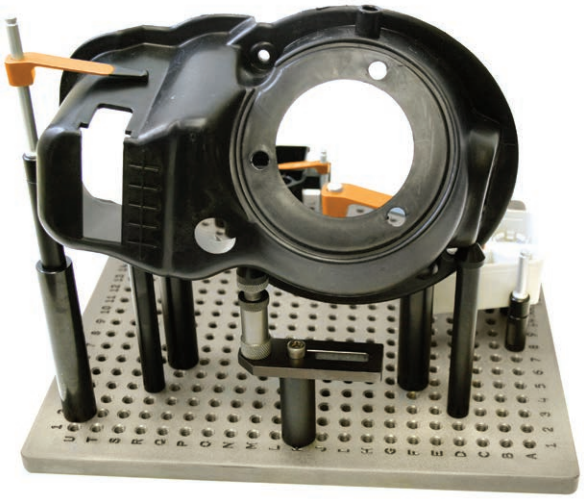
Total: 155

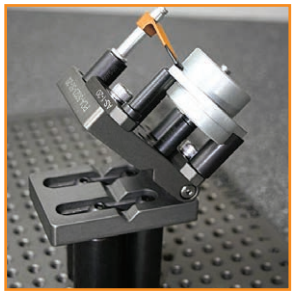
CMM components

Section 8	Adjustables
Section 9	Clamps
Section 10	Magnets
Section 11	Miscellaneous
Section 12	Standoff
Section 13	Suction cups
Section 14	Towers
Section 15	Trays



Adjustables





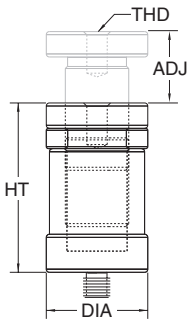


Adjustable jack stand

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



R-AJ-25-6



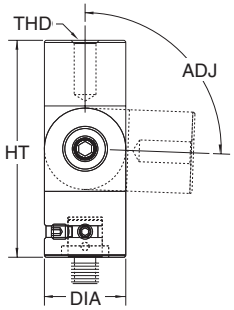
Part no.	THD	DIA	HT	ADJ
R-AJ-9-4	M4	9 mm	19 mm	7 mm
R-AJ-13-6	M6	17 mm	42 mm	13 mm
R-AJ-25-6	M6	25 mm	42 mm	13 mm
R-AJ-19-8	M8	19 mm	37 mm	13 mm
R-AJ-25-8	M8	25 mm	42 mm	13 mm
R-AJS-35-8	M8	38 mm	65 mm	15 mm

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-6



Part no.	THD	DIA	HT	ADJ
R-APJ-6	M6	19 mm	50 mm	93°
R-APJ-8	M8	19 mm	50 mm	93°

Adjustable slide

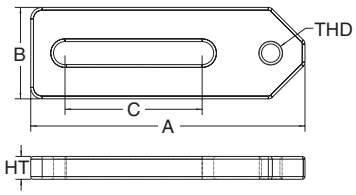
To place components in between holes on the plate.



R-AS-45-8



R-AS-30-4



Part no.	THD	HT	A	B	C
R-AS-30-4	M4	5 mm	30 mm	13 mm	9 mm
R-AS-45-4	M4	5 mm	45 mm	13 mm	24 mm
R-AS-45-6	M6	10 mm	44 mm	20 mm	13 mm
R-AS-70-6	M6	10 mm	72 mm	25 mm	34 mm
R-AS-45-8	M8	10 mm	44 mm	20 mm	13 mm
R-AS-70-8	M8	10 mm	72 mm	25 mm	34 mm

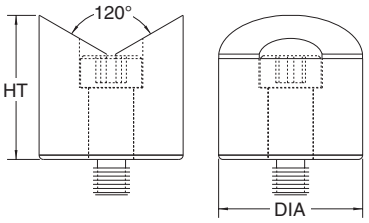
Included: socket head cap and thumb screws.

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



Part no.	THD	DIA	HT	ADJ
R-AVP-2525-6	M6	25 mm	25 mm	360°
R-AVP-2525-8	M8	25 mm	25 mm	360°

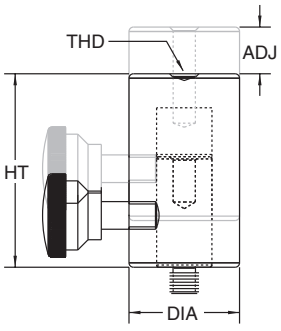
Included: shoulder bolt.

Adjustable height stand

To allow variable heights without marring the part.



R-AH-2545-6



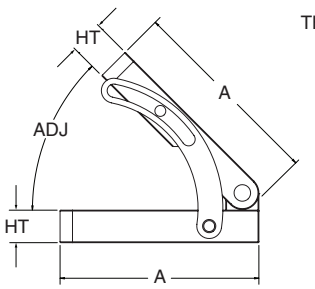
Part no.	THD	DIA	HT	ADJ
R-AH-2545-6	M6	25 mm	45 mm	9 mm
R-AH-2545-8	M8	25 mm	45 mm	9 mm

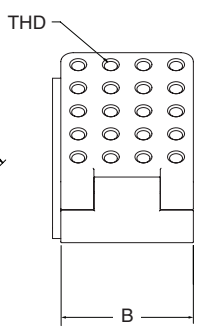
Adjustable angle plate

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



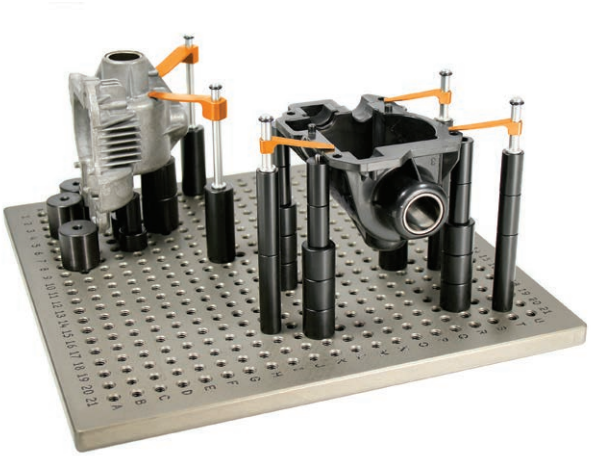
R-PCA-135075-12-6



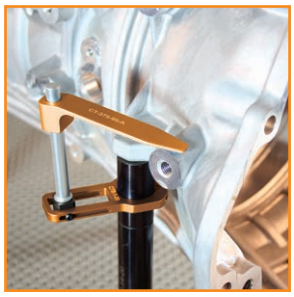


Part no.	THD	HT	A	B	ADJ
R-PCA-135075-10-4	M4	13 mm	75 mm	50 mm	180°
R-PCA-135075-12-6	M6	13 mm	75 mm	50 mm	180°

Clamps





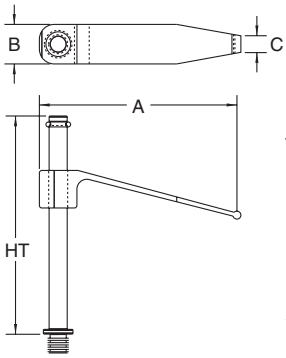


Tension clamp

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	40 mm	7.6 mm	4 mm
R-CT-40-30-6	M6	30 mm	40 mm	7.6 mm	4 mm
R-CT-40-70-6	M6	68 mm	40 mm	7.6 mm	4 mm
R-CT-64-70-6	M6	68 mm	63.5 mm	13 mm	5 mm
R-CT-95-83-6	M6	83 mm	96 mm	19 mm	9 mm
R-CT-100P-83-6*	M6	83 mm	105 mm	19 mm	9 mm
R-CT-40-30-8	M8	30 mm	40 mm	7.6 mm	4 mm
R-CT-40-70-8	M8	68 mm	40 mm	7.6 mm	4 mm
R-CT-64-70-8	M8	68 mm	63.5 mm	13 mm	5 mm
R-CT-95-83-8	M8	83 mm	96 mm	19 mm	9 mm
R-CT-100P-83-8*	M8	83 mm	105 mm	19 mm	9 mm

* includes a plunger for reaching over the edge of a part to a more rigid surface or to reach over another support component.

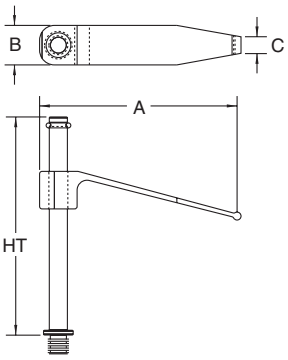
Part number under tension clamp is for reference only. See chart for complete dimensions.

Soft tip tension clamp

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



R-CTT-64-70-6

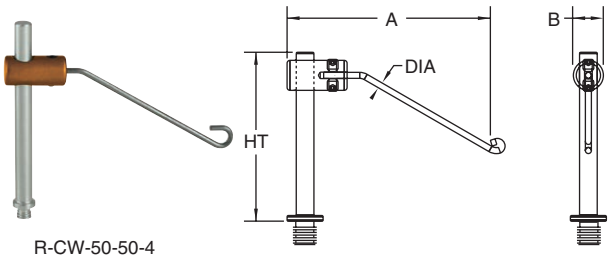


Part no.	THD	HT	A	B	C
R-CTT-40-25-4	M4	25 mm	40 mm	7.6 mm	4 mm
R-CTT-40-30-6	M6	30 mm	40 mm	7.6 mm	4 mm
R-CTT-40-70-6	M6	68 mm	40 mm	7.6 mm	4 mm
R-CTT-64-70-6	M6	68 mm	63.5 mm	13 mm	5 mm
R-CTT-95-83-6	M6	83 mm	96 mm	19 mm	9 mm
R-CTT-40-30-8	M8	30 mm	40 mm	7.6 mm	4 mm
R-CTT-40-70-8	M8	68 mm	40 mm	7.6 mm	4 mm
R-CTT-64-70-8	M8	68 mm	63.5 mm	13 mm	5 mm
R-CTT-95-83-8	M8	83 mm	96 mm	19 mm	9 mm

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.



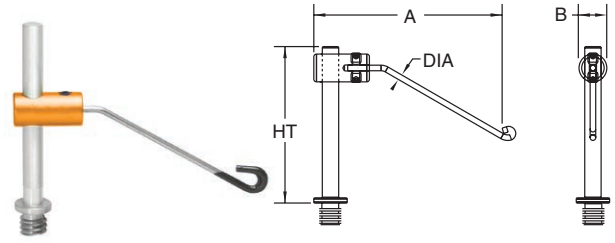
R-CW-50-50-4

Part no.	THD	HT	A	B	DIA
R-CW-25-25-4	M4	25 mm	36 mm	8 mm	1.5 mm
R-CW-50-50-4	M4	45 mm	55 mm	8 mm	1.5 mm
R-CW-25-25-6	M6	25 mm	36 mm	8 mm	1.5 mm
R-CW-50-50-6	M6	50 mm	55 mm	8 mm	1.5 mm

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.



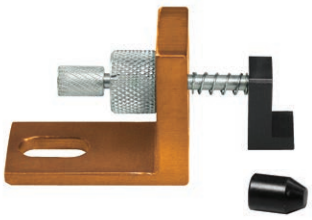
R-CWT-25-25-6

Part no.	THD	HT	A	B	DIA
R-CWT-25-25-4	M4	25 mm	36 mm	8 mm	1.5 mm
R-CWT-50-50-4	M4	45 mm	55 mm	8 mm	1.5 mm
R-CWT-25-25-6	M6	25 mm	36 mm	8 mm	1.5 mm
R-CWT-50-50-6	M6	50 mm	55 mm	8 mm	1.5 mm

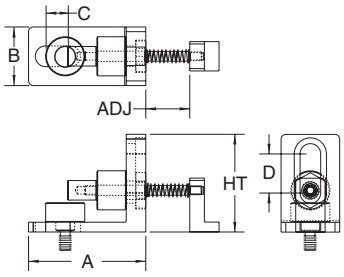
Part number under spring wire clamp is for reference only. See chart for complete dimensions.

Pusher clamp

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



R-CP-4

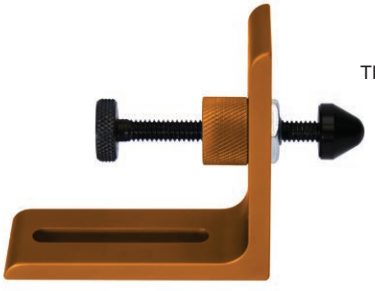


Part no.	THD	HT	A	B	C	D	ADJ
R-CP-4	M4	32 mm	38 mm	19 mm	8 mm	13 mm	10 mm
R-CP-6	M6	32 mm	38 mm	19 mm	8 mm	13 mm	10 mm

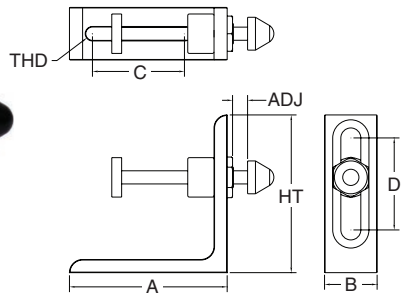
Included: socket head cap screw, thumb screw and washer.

Screw pusher clamp

For pushing and holding a part against stops.



R-CSP-6

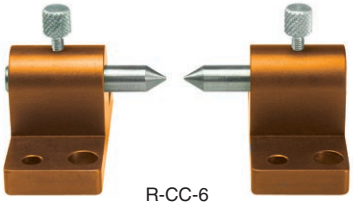


Part no.	THD	HT	A	B	C	D	ADJ
R-CSP-6	M6	76 mm	76 mm	25 mm	44 mm	44 mm	38 mm
R-CSP-8	M8	76 mm	76 mm	25 mm	44 mm	44 mm	38 mm

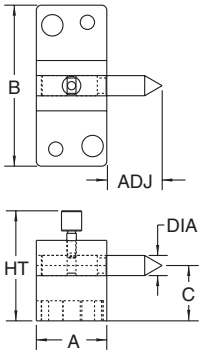
Included: socket head cap screw, thumb screw and washer.

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	6 mm	38 mm	22 mm	51 mm	20 mm	16 mm
R-CC-13	M4/M6/M8	13 mm	50 mm	38 mm	64 mm	25 mm	38 mm
R-CC-25	M4/M6/M8	25 mm	69 mm	51 mm	76 mm	35 mm	50 mm

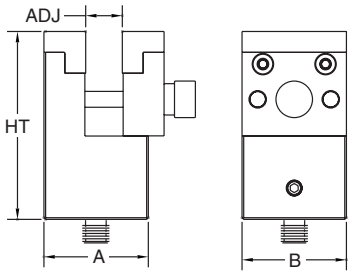
Included: both male and female centring options; socket head cap screws.

Mini vice

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



R-CMV-6



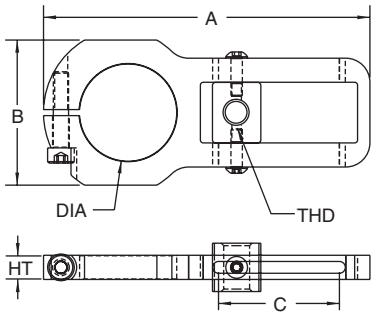
Part no.	THD	HT	A	B	ADJ
R-CMV-4	M4	58 mm	32 mm	32 mm	11 mm
R-CMV-6	M6	58 mm	32 mm	32 mm	11 mm
R-CMV-8	M8	58 mm	32 mm	32 mm	11 mm

Tension clamp bracket

To hold a tension clamp on an angle.



R-CTB-25-6



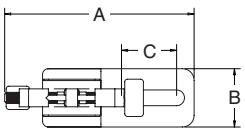
Part no.	THD	DIA	HT	A	B	C
R-CTB-25-6	M6	25.5 mm	6 mm	86 mm	38 mm	32 mm
R-CTB-25-8	M8	25.5 mm	6 mm	86 mm	38 mm	32 mm

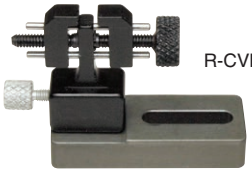
Micro vice clamp

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

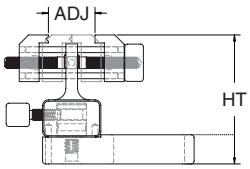


R-CVM-4





R-CVM-B-4



Part no.	THD	HT	A	B	C	ADJ
R-CVM-4	M4	28 mm	38 mm	10 mm	–	13 mm
R-CVM-B-4 (with base)	M4	35 mm	51 mm	16 mm	15 mm	13 mm
R-CVM-6	M6	28 mm	38 mm	10 mm	–	13 mm
R-CVM-B-6 (with base)	M6	38 mm	78 mm	20 mm	35 mm	13 mm

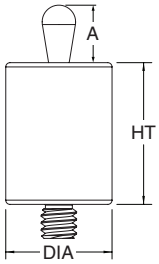
Spring pusher standoff clamp

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

Part no.	THD	DIA	HT
R-CSPS-1210-4	M4	12 mm	10 mm
R-CSPS-1925-6	M6	19 mm	25 mm



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



3-jaw clamp

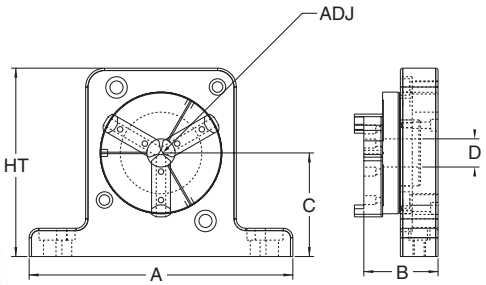
For holding round parts at one end or in the middle, allowing the probe around the part without interference.

Part no.	THD	HT	A	B	C	D	ADJ
R-CJ-3	M6/M8	127 mm	178 mm	50 mm	70 mm	19 mm	1.5-64.5 mm

Included: socket head cap screws.



R-CJ-3



Rotating 3-jaw clamp

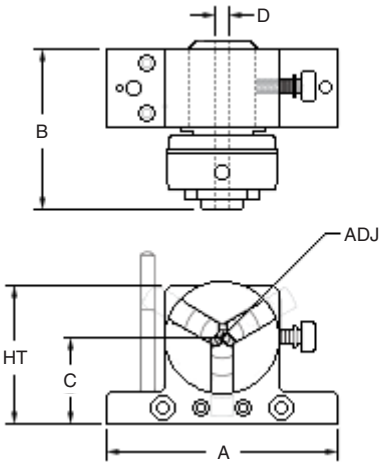
For clamping on inner and outer diameter of part, locking into position then rotated to a marked increment.

Part no.	THD	HT	A	B	C	D	ADJ
R-CJR-3	M4/M6	60 mm	102 mm	70 mm	38 mm	6.4 mm	1-63 mm

Included: socket head cap screws and chuck keys.



R-CJR-3



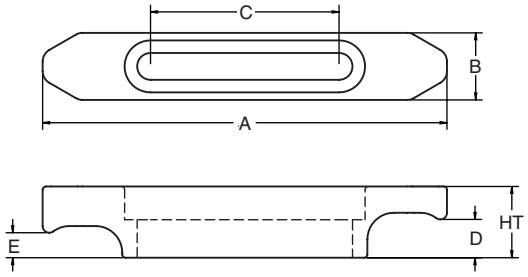
CMM plate clamp

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



R-CPC-190



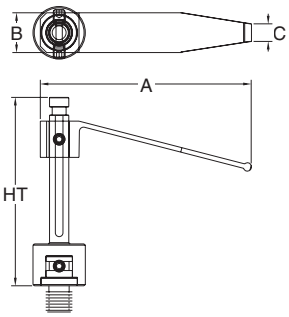
Positional tension clamp

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

Part no.	THD	HT	A	B	C
R-CPT-64-58-6	M6	58 mm	63.5 mm	13 mm	5 mm



R-CPT-64-58-6



Hold down clamp

For more clamping force.

Part no.	THD	HT	A	B	C	D	ADJ
R-CH-89-6	M6	42 mm	125 mm	38 mm	35 mm	29 mm	13 mm
R-CH-133-6	M6	50 mm	139 mm	38 mm	49 mm	29 mm	8 mm
R-CH-89-8	M8	42 mm	124 mm	38 mm	35 mm	30 mm	13 mm
R-CH-133-8	M8	50 mm	138 mm	38 mm	49 mm	30 mm	8 mm

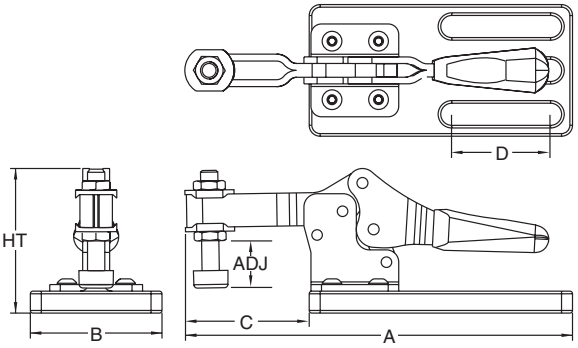
Included: socket head cap screws and washers.



R-CH-89-6

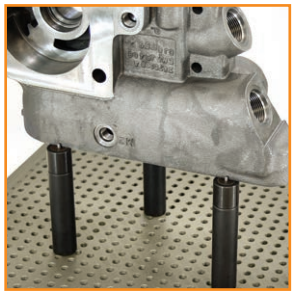


R-CH-133-6



Magnets





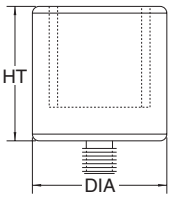


Magnet

For holding steel or iron parts.



R-M-19-6



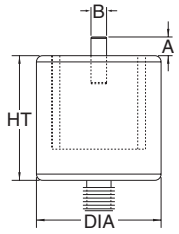
Part no.	THD	DIA	HT
R-M-6-4	M4	6 mm	25 mm
R-M-13-4	M4	13 mm	25 mm
R-M-13-6	M6	13 mm	25 mm
R-M-19-6	M6	19 mm	25 mm
R-M-25-6	M6	25 mm	25 mm
R-M-32-6	M6	32 mm	25 mm
R-M-13-8	M8	13 mm	25 mm
R-M-19-8	M8	19 mm	25 mm
R-M-25-8	M8	25 mm	25 mm
R-M-32-8	M8	32 mm	25 mm

Pin magnet

For holding and locating steel or iron parts.



R-MP-13-6



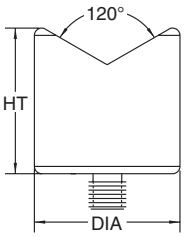
Part no.	THD	DIA	HT	A	B
R-MP-6-4	M4	6 mm	25 mm	3.8 mm	1.6 mm
R-MP-13-4	M4	13 mm	25 mm	3.8 mm	1.6 mm
R-MP-13-6	M6	13 mm	25 mm	3.8 mm	3 mm
R-MP-19-6	M6	19 mm	25 mm	3.8 mm	3 mm
R-MP-25-6	M6	25 mm	25 mm	3.8 mm	3 mm
R-MP-13-8	M8	13 mm	25 mm	3.8 mm	3 mm
R-MP-19-8	M8	19 mm	25 mm	3.8 mm	3 mm
R-MP-25-8	M8	25 mm	25 mm	3.8 mm	3 mm

V magnet

For holding cylindrical parts and bent tubing.



R-MV-25-6



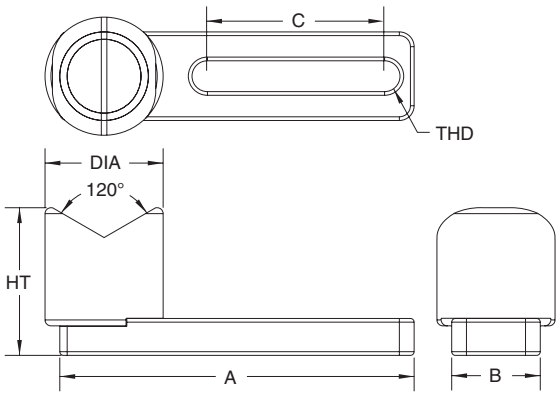
Part no.	THD	DIA	HT
R-MV-13-6	M6	13 mm	25 mm
R-MV-19-6	M6	19 mm	25 mm
R-MV-25-6	M6	25 mm	25 mm
R-MV-32-6	M6	32 mm	25 mm
R-MV-13-8	M8	13 mm	25 mm
R-MV-19-8	M8	19 mm	25 mm
R-MV-25-8	M8	25 mm	25 mm
R-MV-32-8	M8	32 mm	25 mm

V magnet with base

For holding round and tubular parts.



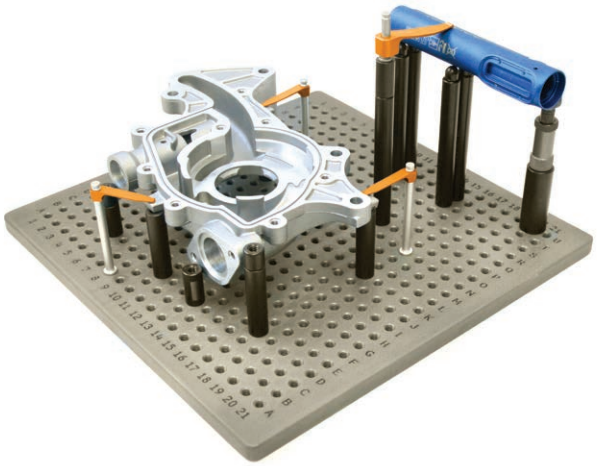
R-MVB-25-6



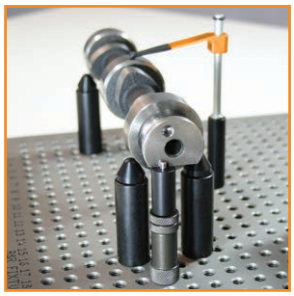
Part no.	THD	DIA	HT	A	B	C
R-MVB-13-6	M6	13 mm	32 mm	76 mm	19 mm	36 mm
R-MVB-19-6	M6	19 mm	32 mm	76 mm	19 mm	36 mm
R-MVB-25-6	M6	25 mm	32 mm	76 mm	19 mm	36 mm
R-MVB-32-6	M6	32 mm	32 mm	76 mm	19 mm	36 mm
R-MVB-19-8	M8	19 mm	32 mm	76 mm	19 mm	38 mm
R-MVB-25-8	M8	25 mm	32 mm	76 mm	19 mm	38 mm
R-MVB-32-8	M8	32 mm	32 mm	76 mm	19 mm	38 mm

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

Miscellaneous







Cone

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



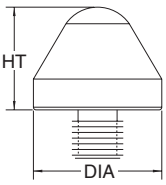
Delrin®
R-RCD-6



Steel
R-RCS-6



Aluminium
R-RCA-6



Part no.	THD	DIA	HT	Material
R-RCD-6	M6	16 mm	13 mm	Delrin®
R-RCS-6	M6	16 mm	13 mm	Steel
R-RCA-6	M6	25 mm	19 mm	Aluminium
R-RCD-8	M8	16 mm	13 mm	Delrin®
R-RCS-8	M8	16 mm	13 mm	Steel
R-RCA-8	M8	25 mm	19 mm	Aluminium
R-RCS-25-8	M8	25 mm	19 mm	Steel

Resting pin

To rest a part on a rounded point.



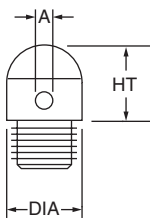
Steel
R-RPS-6



Aluminium
R-RPA-4



Delrin®
R-RPD-6



Part no.	THD	DIA	HT	Material	A
R-RPD-4	M4	6 mm	5 mm	Delrin®	1.9 mm
R-RPA-4	M4	6 mm	5 mm	Aluminium	1.9 mm
R-RPD-6	M6	9 mm	10 mm	Delrin®	1.9 mm
R-RPS-6	M6	9 mm	10 mm	Steel	1.9 mm

Screws and adaptors

Component replacement parts.



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

Part no.	THD	DIA	HT
Thumb screw			
R-AATK-6	M6	12 mm	20 mm
Screw			
R-AATS-14	M3	6 mm	15 mm
R-AATS-20	M3	6 mm	20 mm
R-ATS-4	M4	13 mm	15 mm
Adaptor			
R-AAS-4	M4	8 mm	15 mm
R-AAS-6	M6	8 mm	15 mm
R-AAS-8	M8	11 mm	17 mm

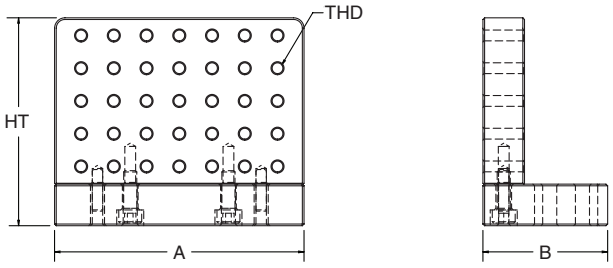
Vertical base plate

For holding components vertically.

Part no.	THD	HT	A	B
R-PCV-507540-10-4	M4	63.5 mm	75 mm	40 mm



R-PCV-507540-10-4



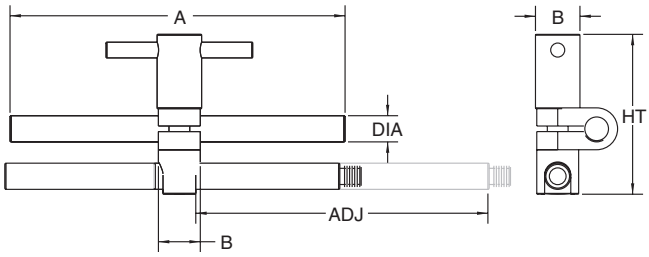
Adjustable T-arm

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

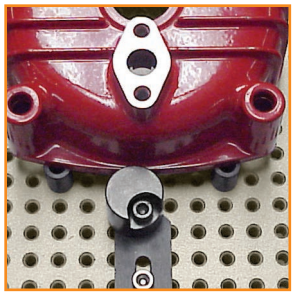


R-AT-6



Standoffs







Standoff

To elevate and locate a part.



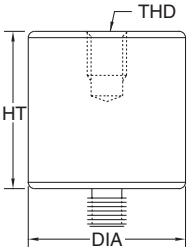
R-S-2550-6



R-S-920-4



R-S-620-4*



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

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

Part no.	THD	DIA	HT
M8 standoffs			
R-S-1315-8	M8	13 mm	15 mm
R-S-1320-8	M8	13 mm	20 mm
R-S-1325-8	M8	13 mm	25 mm
R-S-1350-8	M8	13 mm	50 mm
R-S-13100-8	M8	13 mm	100 mm
R-S-1915-8	M8	19 mm	15 mm
R-S-1920-8	M8	19 mm	20 mm
R-S-1925-8	M8	19 mm	25 mm
R-S-1950-8	M8	19 mm	50 mm
R-S-19100-8	M8	19 mm	100 mm
R-S-19150-8	M8	19 mm	150 mm
R-S-2520-8	M8	25 mm	20 mm
R-S-2525-8	M8	25 mm	25 mm
R-S-2550-8	M8	25 mm	50 mm
R-S-25100-8	M8	25 mm	100 mm
R-S-25150-8	M8	25 mm	150 mm
R-S-3825-8	M8	38 mm	25 mm
R-S-3850-8	M8	38 mm	50 mm
R-S-38150-8	M8	38 mm	150 mm

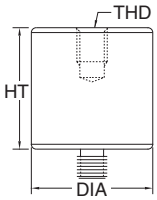
* = does not have a threaded top.
M4 standoffs are made of aluminium.
M6 standoffs are made of steel.

Delrin® standoffs

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



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



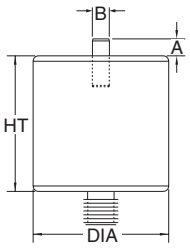
Part no.	THD	DIA	HT
R-SD-610-4	M4	6 mm	10 mm
R-SD-910-4	M4	9 mm	10 mm
R-SD-1210-4	M4	12 mm	10 mm
R-SD-925-6	M6	9 mm	25 mm
R-SD-1325-6	M6	13 mm	25 mm
R-SD-1925-6	M6	19 mm	25 mm

Pin standoff

To elevate and locate a part against the pin.



R-SP-1325-6 R-SP-910-4



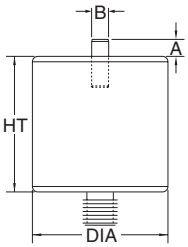
Part no.	THD	DIA	HT	A	B
R-SP-610-4	M4	6 mm	10 mm	3.8 mm	2 mm
R-SP-910-4	M4	9 mm	10 mm	3.8 mm	2 mm
R-SP-1210-4	M4	12 mm	10 mm	3.8 mm	2 mm
R-SP-610-6	M6	6 mm	10 mm	3.8 mm	2 mm
R-SP-910-6	M6	9 mm	10 mm	3.8 mm	2 mm
R-SP-1325-6	M6	13 mm	25 mm	3.8 mm	3 mm
R-SP-1925-6	M6	19 mm	25 mm	3.8 mm	3 mm
R-SP-1325-8	M8	13 mm	25 mm	3.8 mm	3 mm
R-SP-2525-8	M8	25 mm	25 mm	3.8 mm	3 mm

Delrin® pin standoffs

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



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



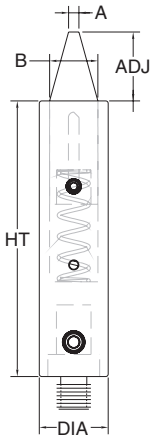
Part no.	THD	DIA	HT	A	B
R-SPD-910-4	M4	9 mm	10 mm	3.8 mm	2 mm
R-SPD-1325-6	M6	13 mm	25 mm	3.8 mm	3 mm

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



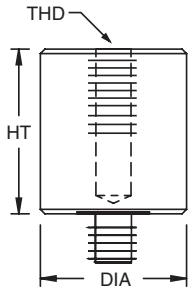
Part no.	THD	DIA	HT	A	B	ADJ
2-way pins						
R-S-1350-2W-6	M6	13 mm	50 mm	2 mm	9 mm	12.5 mm
R-S-2550-2W-6	M6	25 mm	50 mm	7 mm	19 mm	12.5 mm
R-S-2550-2W-8	M8	25 mm	50 mm	7.1 mm	19 mm	12.5 mm
4-way pins						
R-S-1350-4W-6	M6	13 mm	50 mm	2 mm	9 mm	12.5 mm
R-S-2550-4W-6	M6	25 mm	50 mm	7 mm	19 mm	12.5 mm
R-S-2550-4W-8	M8	25 mm	50 mm	7.1 mm	19 mm	12.5 mm

Standoff adaptor

For step clamps and calibration sphere.



R-SA-6-8



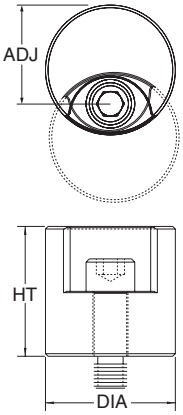
Part no.	THD	DIA	HT	A
R-SA-6-4	M4	19 mm	15 mm	M6
R-SA-4-6	M6	9 mm	15 mm	M4
R-SA-8-6	M6	25 mm	25 mm	M8
R-SA-6-8	M8	25 mm	25 mm	M6

Rotator standoff

To secure parts against stops/supports.



R-SR-2525-6



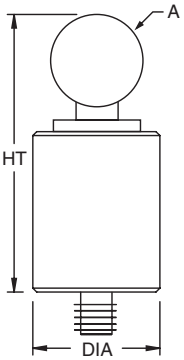
Part no.	THD	DIA	HT	ADJ
R-SR-2525-6	M6	25 mm	25 mm	19 mm

Tooling ball

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

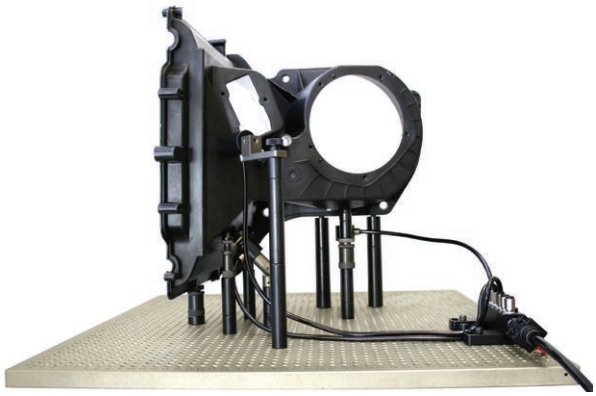


R-STB-13-6

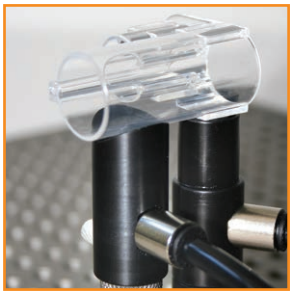


Part no.	THD	DIA	HT	A
R-STB-13-6	M6	19 mm	41 mm	13 mm
R-STB-13-8	M8	19 mm	41 mm	13 mm

Suction cups





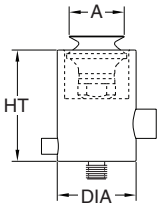


Suction cup

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	19 mm	35 mm	5 mm
R-CS-10-6	M6	19 mm	45 mm	10 mm
R-CS-20-6	M6	31 mm	45 mm	20 mm
R-CS-30-6	M6	44 mm	65 mm	30 mm
R-CS-50-6	M6	70 mm	65 mm	50 mm

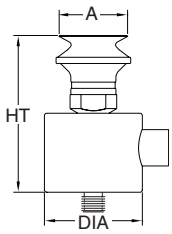
Requires R-CSH-MSC, available separately.

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	19 mm	42 mm	10 mm
R-CES-20-6	M6	31 mm	49 mm	20 mm
R-CES-30-6	M6	31 mm	57 mm	30 mm
R-CES-50-6	M6	31 mm	67 mm	50 mm

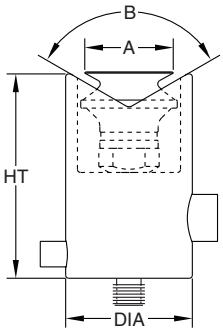
Requires R-CSH-MSC, available separately.

Suction V cup

For holding cylindrical tubes and shafts.



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

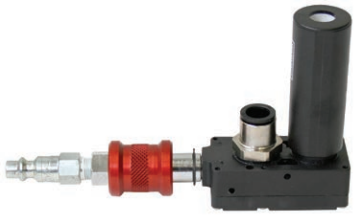


Part no.	THD	DIA	HT	A	B
R-CVS-5-6	M6	19 mm	35 mm	5 mm	90°
R-CVS-10-6	M6	19 mm	41 mm	10 mm	120°
R-CVS-20-6	M6	31 mm	51 mm	20 mm	120°
R-CVS-30-6	M6	44 mm	76 mm	30 mm	120°
R-CVS-50-6	M6	70 mm	89 mm	50 mm	120°

Requires R-CSH-MSC, available separately.

Vacuum pump

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



R-CSVP

Part no.	Description
R-CSVP	Vacuum pump assembly

Requires R-CSH-MP, available separately.

Manifold

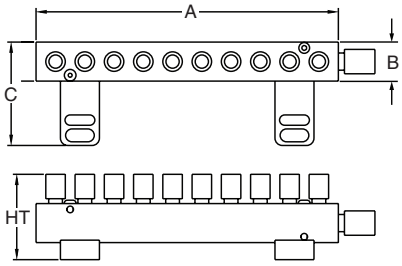
6-port or 10-port manifold can be used vertically or horizontally on base plate.



R-CSM-10P

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

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



Vacuum hose

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



R-CSH-MSC

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)

Suction cup tray

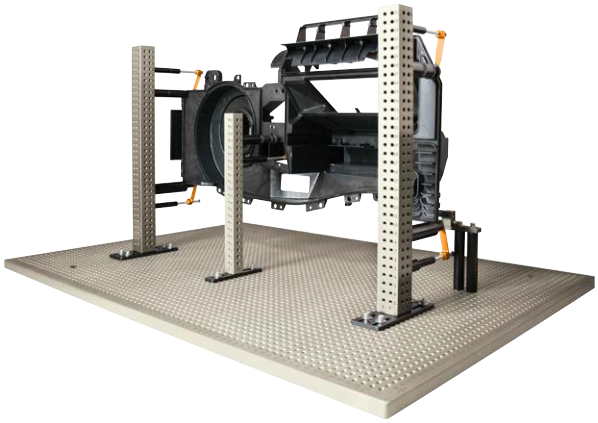
For holding and organising suction cups.



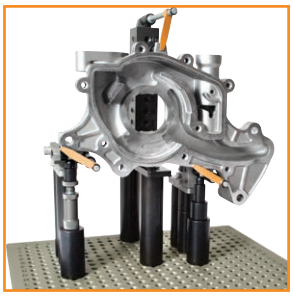
R-TCS-300200

Part no.	THD	Height	Width	Depth
R-TCS-300200	M6	25 mm	300 mm	200 mm

Towers





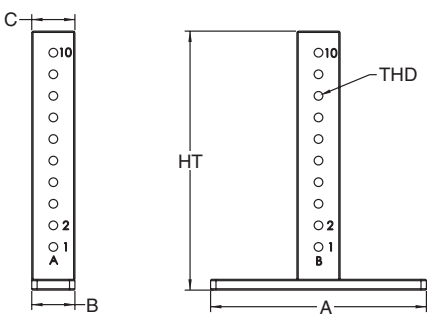


Tower

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	Threaded rows
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

Included: socket head cap screws.

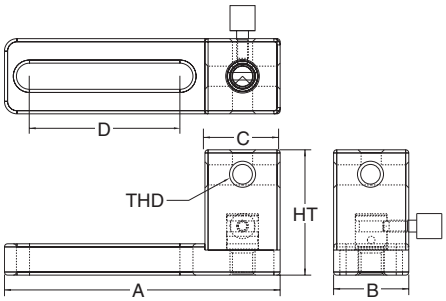
* Two sides have two rows of holes and two sides have one row of holes in the centre.

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 mm	41 mm	16 mm	16 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	89 mm	25 mm	25 mm	45 mm

Included: socket head cap screws.

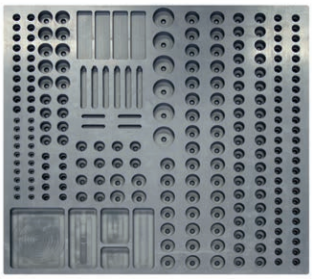
Trays



Large component tray

To hold and organise components.

Part no.	THD	Height	Length	Width
R-TC-560500	M6/M8	25 mm	560 mm	500 mm



R-TC-560500

Medium component tray

To hold and organise components.

Part no.	THD	Height	Length	Width
R-TC-500200	M6/M8	25 mm	500 mm	200 mm



R-TC-500200

Small component tray

To hold and organise components.



R-TC-300190-4



R-TC-300200

Part no.	THD	Height	Length	Width
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	25 mm	300 mm	200 mm

Component storage box

10-compartment box to hold and organise components.

Part no.	Height	Length	Width
R-BC10	45 mm	203 mm	152 mm



R-BC10

Custom fixtures

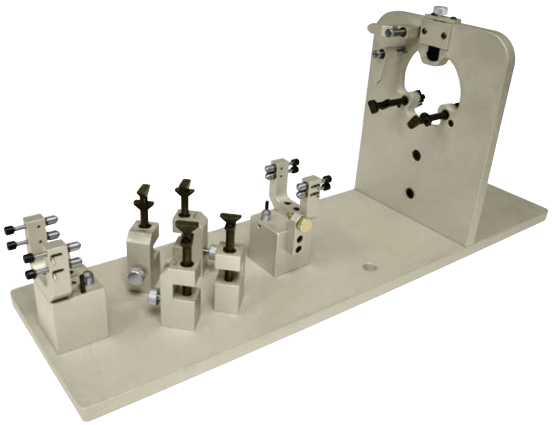
Custom fixtures for your application

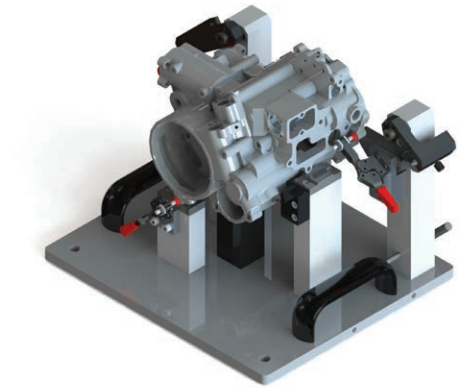
If Renishaw's standard range of modular fixturing does not meet your requirements, we can provide you with custom fixtures for your CMM.

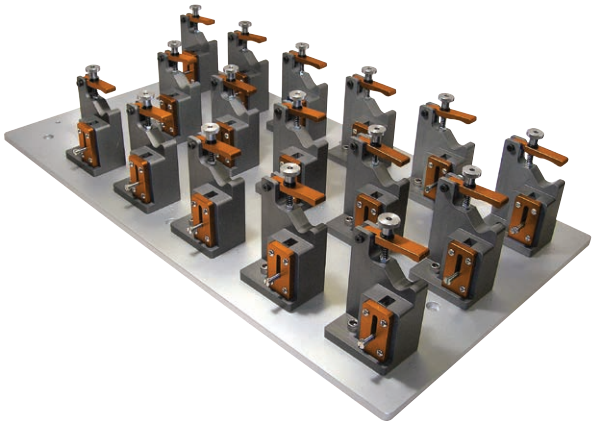
Renishaw's engineers will design and develop a custom fixture best suited to your requirements. All aspects of the application are taken into consideration, including:

- 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 or CAD files for review. For more information, please contact your local sales office.









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Products include:

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- Encoder systems for high-accuracy linear, angle and rotary position feedback
- Fixturing for CMMs (co-ordinate measuring machines) and gauging systems
- Gauging systems for comparative measurement of machined parts
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H-1000-0078-02

Part no.: H-1000-0078-02-A
Issued: 06.2015