

# M8 CMM magnetic and clamping kit with component set A, B or C

## Build a metrology fixturing kit

To fixture a component on a CMM, a base plate and a component set will be needed.

The type of parts being fixtured, the machine and application, will determine the fixturing kit required. Additional components may also be needed, depending on the nature of the work piece being fixtured.

1

### Plate options

Choose your Renishaw base plate. Our precision ground base plates are made from cast aluminium coated with hard coat anodising to resist wear and scratching.

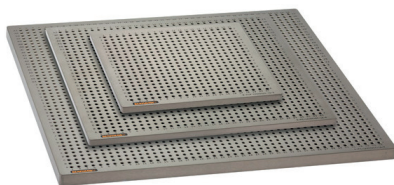
Base plates are available in sizes up to 1500 mm x 3600 mm and 60 in x 140 in, with a choice of M4, M6, M8 or 1/4-20 threaded holes.

The base plate threaded holes should match the fixture kit thread size.

The plate can be secured to the machine with Renishaw's plate clamps (R-CPC-190)

Plates can be ordered with mounting holes specific to a machine's granite.

**Custom plates are available - supply the machine make and model measuring range to receive a quote.**



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### Component sets

Renishaw CMM fixtures can be purchased in pre-configured kits. A kit consists of a comprehensive set of components.

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.

The type of parts being fixtured will determine which kit is needed. Renishaw offers two kit types available in M4, M6, M8 and 1/4-20 thread sizes:

- Clamping kit
- Magnetic and clamping kit (contains magnets for fixturing steel and other ferrous parts).



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### Extra components

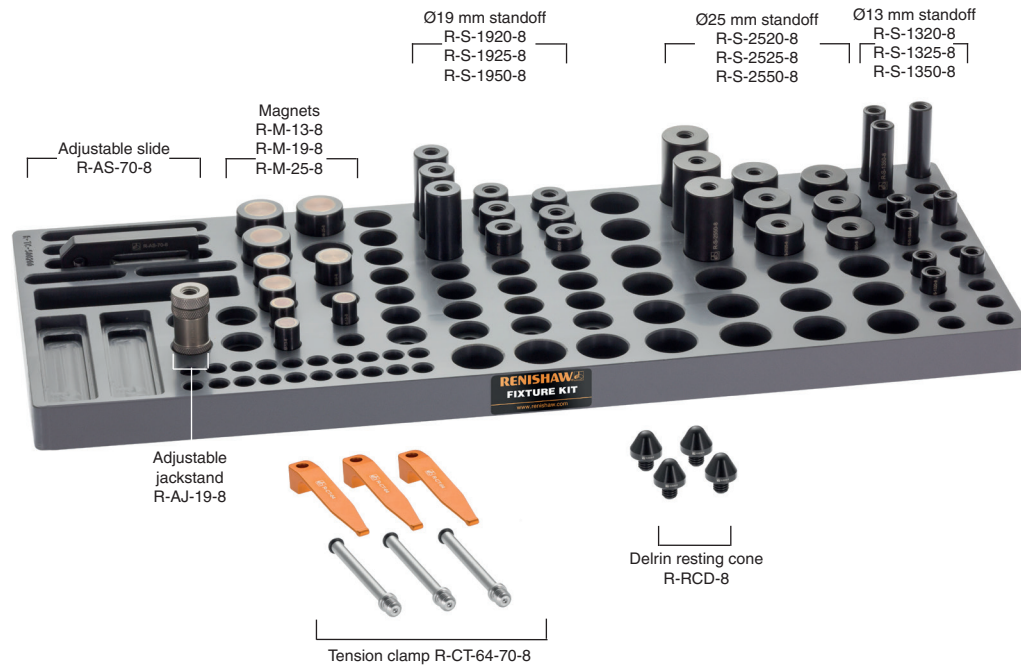
Additional CMM fixtures can be purchased separately and used alongside the pre-configured fixture kit.

Fixturing components are easily adjustable and designed to hold components firmly with the minimum necessary force to avoid damage or distortion.

The wide range of parts available offers flexibility when setting up a fixture to ensure a clear probe path for inspection.

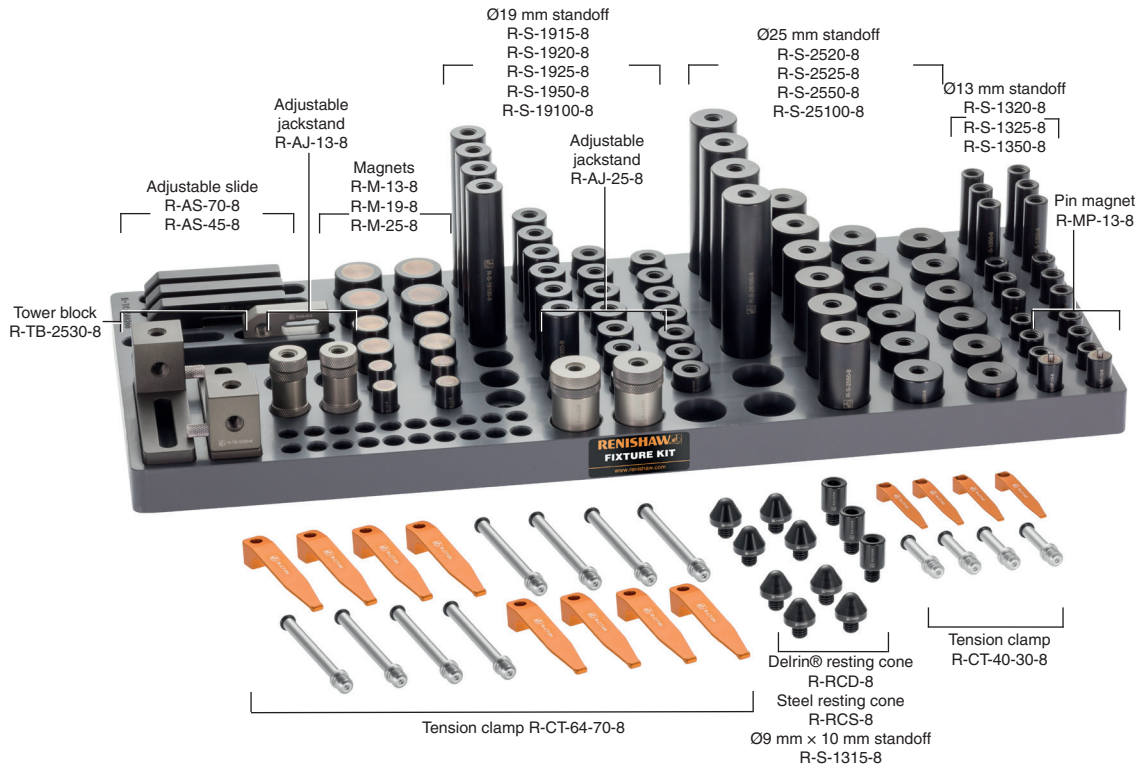


## Component set A



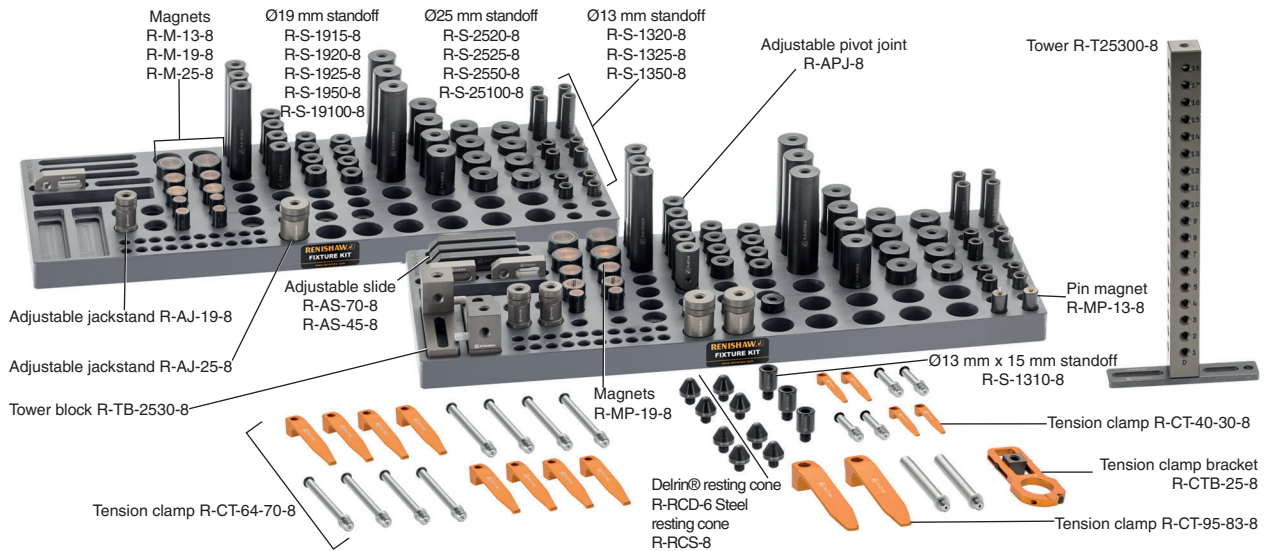
Component set A (R-FSC-MCA-M8) 47 M8 components		
Quantity	Part number	Description
3	R-M-13-8	Ø13 mm × 25 mm magnet
3	R-M-19-8	Ø19 mm × 25 mm magnet
3	R-M-25-8	Ø25 mm × 25 mm magnet
3	R-S-1320-8	Ø13 mm × 20 mm standoff
3	R-S-1325-8	Ø13 mm × 25 mm standoff
3	R-S-1350-8	Ø13 mm × 50 mm standoff
3	R-S-1920-8	Ø19 mm × 20 mm standoff
3	R-S-1925-8	Ø19 mm × 25 mm standoff
3	R-S-1950-8	Ø19 mm × 50 mm standoff
3	R-S-2520-8	Ø25 mm × 20 mm standoff
3	R-S-2525-8	Ø25 mm × 25 mm standoff
3	R-S-2550-8	Ø25 mm × 50 mm standoff
3	R-CT-64-70-8	63.5 mm tension clamp with 68 mm post
4	R-RCD-8	Ø16 mm × 13 mm Delrin® resting cone
1	R-AJ-19-8	Ø19 mm × 37 mm adjustable jackstand
1	R-AS-70-8	72 mm × 10 mm thick adjustable slide
1	R-TC-500200	500 mm × 200 mm × 25 mm component tray
1	R-BC10	200 mm × 150 mm × 45 mm compartment box (not shown)

## Component set B



Component set B (R-FSC-MCB-8) 114 M8 components		
Quantity	Part number	Description
4	R-M-13-8	Ø13 mm x 25 mm magnet
4	R-M-19-8	Ø19 mm x 25 mm magnet
4	R-M-25-8	Ø25 mm x 25 mm magnet
2	R-MP-13-8	Ø13 mm x 25 mm pin magnet
3	R-S-1315-8	Ø13 mm x 15 mm standoff
6	R-S-1320-8	Ø13 mm x 20 mm standoff
6	R-S-1325-8	Ø13 mm x 25 mm standoff
6	R-S-1350-8	Ø13 mm x 50 mm standoff
3	R-S-1915-8	Ø19 mm x 15 mm standoff
6	R-S-1920-8	Ø19 mm x 20 mm standoff
6	R-S-1925-8	Ø19 mm x 25 mm standoff
6	R-S-1950-8	Ø19 mm x 50 mm standoff
4	R-S-19100-8	Ø19 mm x 100 mm standoff
6	R-S-2520-8	Ø25 mm x 20 mm standoff
6	R-S-2525-8	Ø25 mm x 25 mm standoff
6	R-S-2550-8	Ø25 mm x 50 mm standoff
4	R-S-25100-8	Ø25 mm x 100 mm standoff
4	R-CT-40-30-8	40 mm tension clamp with 30 mm post
8	R-CT-64-70-8	63.5 mm tension clamp with 68 mm post
4	R-RCD-8	Ø16 mm x 13 mm Delrin® resting cone
4	R-RCS-8	Ø16 mm x 13 mm steel resting cone
2	R-AJ-19-8	Ø19 mm x 37 mm adjustable jackstand
2	R-AJ-25-8	Ø25 mm x 42 mm adjustable jackstand
1	R-AS-45-8	44 mm x 10 mm thick adjustable slide
3	R-AS-70-8	70 mm x 10 mm thick adjustable slide
2	R-TB-2530-8	25 mm x 25 mm x 89 mm tower block with base
1	R-TC-500200	500 mm x 200 mm x 25 mm component tray
1	R-BC10	200 mm x 150 mm x 45 mm compartment box (not shown)

# Component set C



## Component set C (R-FSC-MCC-8) 155 M8 components

Quantity	Part number	Description
6	R-M-13-8	Ø13 mm x 25 mm magnet
6	R-M-19-8	Ø19 mm x 25 mm magnet
6	R-M-25-8	Ø25 mm x 25 mm magnet
2	R-MP-13-8	Ø13 mm x 25 mm pin magnet
2	R-MP-19-8	Ø19 mm x 25 mm pin magnet
3	R-S-1315-8	Ø13 mm x 15 mm standoff
8	R-S-1320-8	Ø13 mm x 20 mm standoff
8	R-S-1325-8	Ø13 mm x 25 mm standoff
8	R-S-1350-8	Ø13 mm x 50 mm standoff
3	R-S-1915-8	Ø19 mm x 15 mm standoff
8	R-S-1920-8	Ø19 mm x 20 mm standoff
8	R-S-1925-8	Ø19 mm x 25 mm standoff
8	R-S-1950-8	Ø19 mm x 50 mm standoff
6	R-S-19100-8	Ø19 mm x 100 mm standoff
8	R-S-2520-8	Ø25 mm x 20 mm standoff
8	R-S-2525-8	Ø25 mm x 25 mm standoff
8	R-S-2550-8	Ø25 mm x 50 mm standoff
6	R-S-25100-8	Ø25 mm x 100 mm standoff
4	R-CT-40-30-8	40 mm tension clamp with 30 mm post
8	R-CT-64-70-8	63.5 mm tension clamp with 68 mm post
2	R-CT-95-83-8	96 mm tension clamp with 83 mm post
1	R-CTB-25-8	25 mm tension clamp bracket
4	R-RCD-8	Ø16 mm x 13 mm Delrin® resting cone
4	R-RCS-8	Ø16 mm x 13 mm steel resting cone
1	R-APJ-8	50 mm x 19 mm adjustable pivot joint
3	R-AJ-19-8	Ø19 mm x 37 mm adjustable jackstand
3	R-AJ-25-8	Ø25 mm x 42 mm adjustable jackstand
3	R-AS-45-8	44 mm x 10 mm thick adjustable slide
3	R-AS-70-8	72 mm x 10 mm thick adjustable slide
2	R-TB-2530-8	25 mm x 25 mm x 89 mm tower block with base
1	R-T-25300-8	25 mm x 25 mm x 300 mm tower
2	R-TC-500200	500 mm x 200 mm x 25 mm component tray
2	R-BC10	200 mm x 150 mm x 45 mm compartment box (not shown)

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