

MSR1 manual storage rack for TP20 and TP200 stylus modules

- Provides safe storage for probe and stylus modules in manual stylus changing applications.
- Stores up to 6 modules.
- Used with TP20 and TP200 probe modules.

Product description

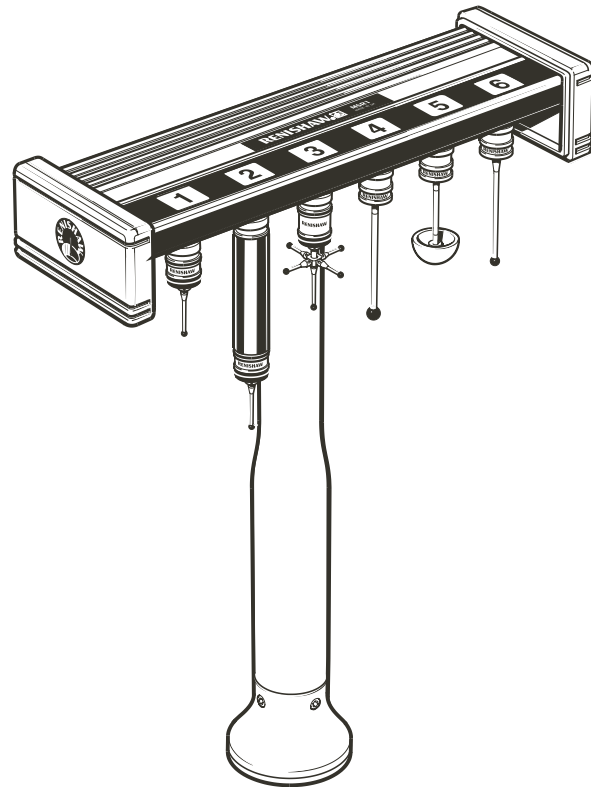
The MSR1 manual storage rack provides convenient storage for up to 6 probe or stylus assemblies, from the Renishaw TP20 or TP200 probe range.

Using the rack

Install the rack in accordance with the instructions provided overleaf headed 'Installation instructions'. Refer to the TP20 (part number, H-1000-5008) or TP200 (part number, H-1000-5014) user's guide for instructions about assembling a stylus arrangement on the module and fitting the module to the probe. Ensure that the stylus tip, threads and the magnetic coupling of the modules are clean.

After qualification of the stylus tips, the module may be removed from the probe body for storage in the rack. The module should be handled for only the minimum length of time and touching the stylus tip should be avoided. The modules are magnetically held in the rack and may be orientated as desired.

The location points are positioned approximately below the numbered labels but accurate positioning is not necessary, as the magnetic force will pull them to the correct position.



Dimensions

Overall height	285 mm
Depth (inc. wall bracket)	86 mm
Width	236 mm

Part number summary

MSR1 rack - wall mounting only	A-1371-0330
MSR1 rack - CMM table mounting (wall bracket included)	A-1371-0347

Probe/stylus modules

TP20	TP20 standard force	A-1371-0270
	TP20 medium force	A-1371-0271
	TP20 extended force	A-1371-0272
	TP20 low force	A-1317-0392
	TP20 6-way	A-1371-0419
	TP20 extended module 1 (50 mm)	A-1371-0430
	TP20 extended module 2 (74 mm)	A-1371-0431
TP200	TP200 standard force	A-1207-0010
	TP200 low force	A-1207-0011

Installation instructions

Mounting on the CMM table

CAUTION: The MSR1 rack is not crash protected. It is recommended that the rack is mounted outside or close to the edge of the working volume of the CMM.

1. Place the base over a threaded insert at the desired location on the CMM table and screw down using the M8 or M10 bolt supplied.
2. Screw the leg a few turns into the M10 nut located in the underside of the rack extrusion. Slide along to the centre or other location, as required, and tighten by hand.
3. Push the lower end of the leg firmly into the base and rotate the rack to the required orientation. Tighten the grub screws using the hexagon key supplied.

Wall mounting

1. Fix the wall mounting bracket (supplied) in the desired location using the holes or other secure means.
2. Locate the rack on the bracket and secure by engaging the M10 bolt (supplied) a few turns into the M10 nut located in the underside of the rack extrusion. Slide the rack along until it is centralised or otherwise located as required and tighten the bolt.

Maintenance

Refer to the TP20 (part number, H-1000-5008) or TP200 (part number, H-1000-5014) user's guide.

If the rack is used in a metal machining environment it may be necessary to periodically inspect the module locations for the presence of magnetic dust or metal particles and clean using the CK200 cleaning material supplied with the probe.

For worldwide contact details, please visit our main web site at www.renishaw.com/contact

