



EM-Tec MV22 combined compact vise and multi pin stub sample holder

Products [#12-000201](#) and [#12-000301](#)



Description

The EM-Tec MV22 is a combination of the a compact vise holders and a multi pin stub holder up to 5 pin stubs. The EM-Tec MV22 compact vise clamp includes a knurled brass knob to move the spindle screw for opening and closing this compact vise clamp. The moving jaw can be used as a multi-pin stub holder for up to 5 pin stubs. Available with either the standard 3.2mm pin or an M4 threaded hole for mounting on the SEM sample stage or on an EM-Tec SEM stage adapter.

Operation of the compact vise sample holder

Consider wearing gloves to avoid contamination.

- To open the EM-Tec V22 compact vise type holder, rotate the knurled brass knob at the front of the holder. Turning the knurled brass knob anti-clockwise will open the jaws; the moving jaw moves towards the back.
- Place the sample in the opening (up to 22mm).
- To close the jaws, turn the knurled brass knob clockwise and clamp the sample. Be careful not to over-tighten the screw.

Even very thin samples can be securely held in the EM-Tec V22 compact vise type sample holder. For delicate samples, consider lining the jaws with EM-Tec conductive soft jaw lining kit; [#12-003207](#).

Operation of the multi pin stub holder

- Completely close the vise part to stabilise the multi pin stub holder part
- Place the pin stubs in the holes at the top; compatible with both standard pin stubs and Zeiss pin stubs
- Capacity is either 5 pin stubs of 12.7mm (1/2") or a single larger pin stub.

Specifications

Maximum clamping capacity between vise jaws:	22mm
Capacity of multi pin stub part:	5 x Ø12.7mm/ 2 x Ø25.4mm / 1 x Ø32mm (or larger)
Dimensions closed (w/o pin):	39 x 25 x 22mm
Dimensions fully opened (w/o pin):	61 x 25 x 22mm
SEM stage compatibility - standard pin:	#12-000201
- EM-Tec stage adapters M4:	#12-000301
- Hitachi M4	#12-000301

Material for compact vise type holder:

Vacuum grade aluminium

Material for spindle:

Low friction brass





Micro to Nano
Innovative Microscopy Supplies

Technical Support Bulletin

Materials for screws:

Anti-magnetic stainless steel

Maintenance

The EM-Tec MV22 compact vise clamp is maintenance free. Do not use oil or grease on the screw or brass spindle; this will cause contamination in the SEM. Do not allow debris to accumulate underneath the sliding vise jaw.

TSB 12-000201 EM-Tec MV22 compact vise type sample holder 2022-05-03 Revision 2



Micro to Nano
Innovative Microscopy Supplies

Micro to Nano
Tappersweg 91
2031ET Haarlem
The Netherlands

T +31-85-2013155
E info@microtonano.com
I www.microtonano.com
Kvk AMS: # 62301959