

PELCO® Universal SEM Sample Holder Set Product No. 16430



The PELCO® Universal SEM Sample Holder Set extends the capabilities of your SEM by offering convenient sample holders for larger or awkwardly shaped samples, multiple samples, cross sections or pre-tilt imaging. This versatile specimen holder set can be used on most SEM brands since it includes pin mount adapters for FEI/Philips, Zeiss/LEO/Leica, Tescan and AMRAY. A 12.2mm stub adapter for JEOL is also included and all the holders have an M4 thread which is compatible with Hitachi SEMs. The set comes in a plastic styrene box with a convenient plastic sample holder tray to keep the sample holders dust free and ready to use.

The PELCO® Universal SEM Sample Holder Set contains the following sample holders/components:

Prod No. 15342-4 Universal Spring Loaded Vise

Prod No. 15340-4 Micro Vise

Prod No. 15310-4 Multi Holder for 4 standard 12.7mm pin stubs

Prod No. 16327-30 SEMClip™ 25mm with 3 Clips, flat

Prod No. 16347-20 SEMClip™ 25mm 45°/90° with 2 clips

Prod No. 15319 Standard Pin Adapter to M4 (2 each)

Prod No. 15319-9 Short Pin Adapter to M4 (Zeiss)

Prod No. 15319-2 Long Pin Adapter to M4 (Amray)

Prod No. 15367 JEOL 12.2 stub adapter to M4

Plastic box with sample holder tray and Allen wrenches



Instructions for using the sample holders on different SEM brands/platforms:

Hitachi SEMs with M4 threaded screw on sample stage: You can use the sample holders directly since they have a M4 threaded hole in the base. No need for an adapter.

FEI/Philips, Tescan, Leica, CamScan, Cambridge Instruments SEMs: Use the #15319 Standard Pin Adapter to M4 to convert the holder to a pin mount holder. Screw the threaded end of the pin adapter into the base of the sample holders, two are provided.

Zeiss/LEO SEMs: : Use #15319-9 Short Pin Adapter to M4 to convert the holder to a pin mount holder. Screw the threaded end of the pin adapter into the base of the sample holders.

JEOL SEMs: Use the #15367 JEOL 12.2 stub adapter to M4 to convert the holders to a JEOL compatible sample holder. Screw the threaded end of the adapter into the base of the sample holder. Many JEOL SEMs have a holder for 12.2mm sample stubs. Please be aware that this increase the height of the sample holder assembly – make sure it will fit the SEM with enough clearance to the pole piece and or pole piece mounted detectors.

Amray SEMs : Use the #15319-2 Long Pin Adapter to M4 to convert the holder to a pin mount holder. Screw the threaded end of the pin adapter into the base of the sample holders.