

## SEM Multiple Stub Holders

Our multiple pin stub holders are an efficient and cost-effective way to load multiple pin stubs with specimens in the SEM. Saves time, allows multi sample processing or quick comparison between samples. Intended for holding the standard 12.7mm (1/2") pin stubs, although the larger 25.4mm (1") pin stubs can be used on the holders for 6 pin stubs or more. All the positions on the holders for 6 pin stubs or more are **numbered** for easy identification and stubs are securely held with small M3 stainless steel set screws for the multi pin stub holders up to 12 pin stubs; an Allen key is included. On the 29 and 49 multi pin stub holders, the pin stubs are held with an integrated stainless steel spring. The 6 and 8 multi pin holders comprise engraved crossed lines to assist with directional navigation. They are all made from vacuum grade aluminium and have undergone a final cleaning step which results in a satin surface finish. Available with **standard pin** to fit FEI, Philips, Tescan, Phenom, Aspex, RJLee, AmRay, Cambridge Instruments, Leica, CamScan, Aspex, ETEC and Novascan SEMs.

**M4 threaded hole** compatible with Hitachi SEMs, FESEMs and table top SEMs and **32mm JEOL SEM stub format** compatible with 32mm stub holders on JEOL SEMs. Additionally there are two **45° degrees pre-tilt multi-pin holders** available:

## SEM Multi Pin Stub Holders on Standard Pin Base



Flat - Pin stubs 12.7 & 25.4mm Ø

- S662/4** P4 multi pin stub holder for 4 pin stubs, 31.5 mm Ø x 10.5mm, std pin each  
**S662/6** P6 multi pin stub holder for 6 pin stubs, 43mm Ø x 10.5mm, std pin each  
**S662/8** P8 multi pin stub holder for 8 pin stubs, 50mm Ø x 10.5mm, std pin each  
**S662/12** P12 multi pin stub holder for 12 pin stubs, 62mm Ø x 10.5mm, std pin each  
**S662/29** P29 multi pin stub holder for 29 pin stubs, 90mm Ø x 7mm, std pin each  
**S662/49** P49 multi pin stub holder for 49 pin stubs, 117mm Ø x 7mm, std pin each



**S663** P7 multi pin stub holder for 7 pin stubs 25.4mm Ø, 78mm Ø x 15mm, std pin each  
 (No image)

Angled

- S664/3** P3/45 multi pin stub holder 45° for 3 pin stubs, 25mm Ø x 14mm, std pin each  
**S664/6** P6/45 multi pin stub holder 45° for 6 pin stubs, 35mm Ø x 14mm, std pin each

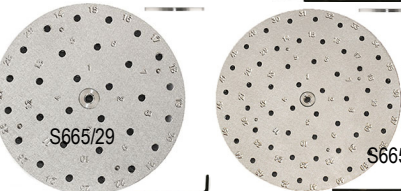


## SEM Multiple Pin Stub Holders on M4 Hitachi Base



Flat - Pin stubs 12.7 & 25.4mm Ø

- S665/4** P4 multi pin stub holder for 4 pin stubs on M4 base 31mm Ø x 10.5mm each  
**S665/6** P6 multi pin stub holder for 6 pin stubs on M4 base 43mm Ø x 10.5mm each  
**S665/8** P8 multi pin stub holder for 8 pin stubs on M4 base 50mm Ø x 10.5mm each  
**S665/12** P12 multi pin stub holder for 12 pin stubs on M4 base 62mm Ø x 10.5mm each  
**S665/29** P29 multi pin stub holder for 29 pin stubs on M4 base 90mm Ø x 7mm each  
**S665/49** P49 multi pin stub holder for 49 pin stubs on M4 base 117mm Ø x 7mm each



**S666/7** P7 multi pin stub holder for 7 x 25.4mm Ø pin stubs, 78mm Ø 15mm M4 base each

Angled

- S667/3** P3/45° multi pin stub holder for 3 pin stubs, 25mm Ø x 14mm M4 base each  
**S667/6** P6/45° multi pin stub holder for 6 pin stubs, 35mm Ø x 14mm M4 base each

**S668** Flat multi pin holder for 4 pin stubs 31.5mm Ø x 10.5mm on JEOL base each



## Multiple Stub Holders for M4 Hitachi Stubs

Our multiple stub holders are an economical and simple way to load multiple Hitachi sample stubs with specimens in the SEM. Using multiple stub holders saves time, allows multi sample processing or allows quick comparison of samples. The horizontal multi stub holders are based on the 25mm Ø x 6mm x M4 and the 50mm Ø x 6mm x M4 Hitachi stubs to hold multiple stubs on M4 screws. The 45° multiple holders allow for a 45° pre-tilt which is beneficial for table top SEMs w/o a stage tilt or to quickly image under 45° w/o having to tilt the SEM stage. 45° tilted imaging tends to give a higher SE signal and reveals more of the topography of the specimen surface. The 45° multi stub holders are offered in two versions:

- Fixed M4 threaded screws to hold the Hitachi stubs
- Adjustable rotation M4 threaded screws for individual rotation of the Hitachi stubs to optimize viewing angle for the sample area

### Flat

**S669** Multi stub holder for 3x15mm Ø M4 stubs, 25mm Øx6mm, 3.2mm Ø stage pin each

**S670** Multi stub holder for 3x15mm Ø M4 stubs, 25mm Øx6mm with M4 thread each

**S671** Multi stub holder for 3x25mm Ø M4 stubs, 50mm Øx6mm, 3.2mm Ø stage pin each

**S672** Multi stub holder for 3x25mm Ø M4 stubs, 50mm Øx6mm with M4 thread each

**S669/6** Multi stub holder for 6x15mm Ø M4 stubs, 50mm Øx6mm, 3.2mm Ø stage pin each

**S670/6** Multi stub holder for 6x15mm Ø M4 stubs, 50mm Øx6mm with M4 thread each

### Angled 45°

**S673** Multi holder 45° for 3x15mm Ø M4 stubs 25mm Ø x14mm, 3.2mm Ø stage pin each

**S674** Multi stub holder for 3x15mm Ø M4 stubs, 25mm Øx14mm with M4 thread each

**S673/6** Multi stub holder for 6x15mm Ø M4 stubs, 50mm Øx6mm, 3.2mm Ø stage pin each

**S674/6** Multi stub holder for 6x15mm Ø M4 stubs, 50mm Øx6mm, with M4 thread each

### 45° Angled Stub Holders with Individual Rotation (IR)

Each M4 stub can be individually rotated to optimise the viewing angle for the sample area

**S675** Multi holder 45° IR for 3x15mm Ø M4 stubs, 25mm Øx14mm, std stage pin each

**S676** Multi holder 45° IR for 3x15mm Ø M4 stubs, 25mm Øx14mm, M4 thread each

**S675/6** Multi holder 45° IR for 6x15mm Ø M4 stubs, 35mm Øx14mm, std stage pin each

**S676/6** Multi holder 45° IR for 6x15mm Ø M4 stubs, 35mm Øx14mm, M4 thread each

## JEOL Multiple Cylinder Stub Holders

**S677** Multi stub holder for 4x 9.5mm Ø cylinder stubs 31.5mm Ø x 10mm deep each

**S678** Multi stub holder for 3x 12.2mm Ø cylinder stubs 31.5mm Ø x 10mm deep each

### JEOL multiple cylinder stub holders on standard (3.2mm Ø) pin base

**S679** Multi stub holder for 4x 9.5mm Ø cylinder stubs 31.5mm Ø x 10mm on std pin each

**S680** Multi stub holder for 3x 12.2mm Ø cylinder stubs 31.5mm Ø x 10mm on std pin each

**S681** Multi stub holder for 6x 12.2mm Ø cylinder stubs 50mm Ø x 10mm on std pin each

### JEOL multiple cylinder stub holders on Hitachi M4 base

**S682** Multi stub holder for 4x 9.5mm Ø cylinder stubs 31.5mm Ø x 10mm M4 each

**S683** Multi stub holder for 3x 12.2mm Ø cylinder stubs 31.5mm Ø x 10mm M4 each

**S684** Multi stub holder for 6x 12.2mm Ø cylinder stubs 50mm Ø x 10mm M4 each

