

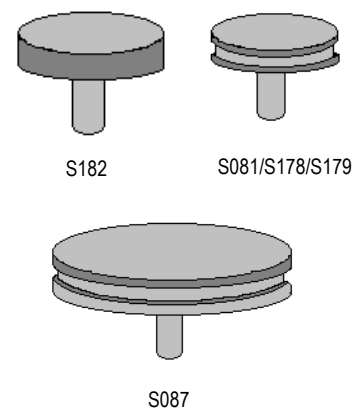
SEM Specimen Stubs

Short Pin Type

Aluminium

$\frac{1}{2}$ " \varnothing (12.5mm) with 3.2mm \varnothing , 8mm long pin with groove for Cambridge/LEO, Philips, Etec etc instruments.

S081	$\frac{1}{2}$ " Pin type stub (with groove)	pack of 100
S081/I	$\frac{1}{2}$ " Pin type stub (with groove)	pack of 1000
S081/HP	$\frac{1}{2}$ " Pin type stub (with groove) high purity Al for analysis apps	pack of 100
S081/T	$\frac{1}{2}$ " Pin type sticky tab stub	pack of 1000
S081/T1	$\frac{1}{2}$ " Pin type sticky tab stub	pack of 100
S182	$\frac{1}{2}$ " Pin type stub (without groove)	pack of 100
S433	$\frac{1}{2}$ " Pin type stub (with groove) Pin 3.2mm \varnothing , 6mm long	for LEO pack of 100
S434	$\frac{1}{2}$ " Pin type stub (no groove) Pin 3.2mm \varnothing , 6mm long	for LEO pack of 100



Brass

S178 $\frac{1}{2}$ " Pin type stub (with groove) pack of 10

Copper

S179 $\frac{1}{2}$ " Pin type stub (with groove) pack of 10

1" \varnothing (25.4mm) Aluminium Short Pin type stub with 3.2mm \varnothing , 8mm long pin for Cambridge/LEO and Philips instruments.

S087 1" Pin type stub pack of 50



32mm \varnothing Aluminium Short Pin type stub with 3.2mm \varnothing pin for Camscan

S181 32mm \varnothing pin type stub pack of 50

Long Pin Type

Aluminium $\frac{1}{2}$ " \varnothing (12.5mm) with 3.2mm \varnothing pin 15mm long for Amray

S180 $\frac{1}{2}$ " Amray pin stub pack of 50

Re-entry Type

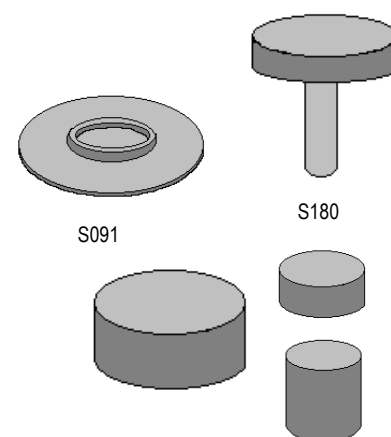
32mm ($1\frac{1}{4}$ " \varnothing) re-entry (dish) type stub for Cambridge/LEO

S091 32mm ($1\frac{1}{4}$ " \varnothing) Aluminium re-entry type stub pack of 50

Cylinder Type

Plain cylindrical aluminium stubs for JEOL instruments

S187 12.5mm \varnothing x 15mm high	pck of 50	S189 50mm \varnothing x 10mm high	pck of 50
S183 10mm \varnothing x 3.5mm high	pck of 50	S084 15mm \varnothing x 5mm high	pck of 50
S082 10mm \varnothing x 5mm high	pck of 50	S085 15mm \varnothing x 10mm high	pck of 50
S083 10mm \varnothing x 10mm high	pck of 50	S086 15mm \varnothing x 15mm high	pck of 50
S184 10mm \varnothing x 12.5mm high	pck of 50	S089 32mm \varnothing x 5mm high	pck of 50
S185 12.5mm \varnothing x 5mm high	pck of 50	S090 32mm \varnothing x 10mm high	pck of 50
S186 12.5mm \varnothing x 10mm high	pck of 50	S188 32mm \varnothing x 20mm high	pck of 50



Re-entry Type Stub Adapter

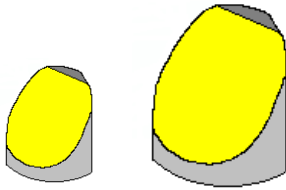
A simple, effective adapter to convert 12.5mm ($\frac{1}{2}$ " pin stubs to allow 32mm ($1\frac{1}{4}$ " \varnothing) re-entry dish type stubs to be used on $\frac{1}{8}$ " stage. The ball catch gives a trouble free, quick solution to a difficult problem.

S261 SEM stub adapter - re-entry stub



Chamfered Type

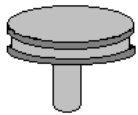
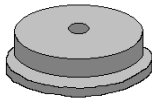
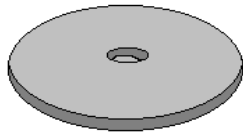
Aluminium stubs with a chamfered angle of 45° suitable for **JEOL** or **ISI** instruments where fitting stages are not available.



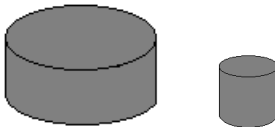
S127	Angled stub 10mm Ø	pack of 10
S190	Angled stub 12.5mm Ø	pack of 10
S126	Angled stub 15mm Ø	pack of 10

Threaded Type

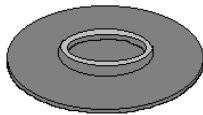
Aluminium stubs threaded with M4 female thread in base for **Hitachi** instruments.



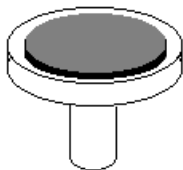
Types S100/101



Types S102/103/104/105



S106/107



S128	Threaded stub 15mm Ø x 6mm high	pack of 50
S191	Threaded stub 25mm Ø x 6mm high	pack of 50
S192	Threaded stub 32mm Ø x 2mm high	pack of 50
S193	Threaded stub 32mm Ø x 10mm high	pack of 50

Carbon Stubs

Where the background radiation from the specimen stub is troublesome, a specimen stub manufactured from spectroscopic carbon may be used. Stubs for **Cambridge/LEO**, **JEOL** and **ISI** microscopes are available. They can have a *standard* finish or an *ultra smooth* finish for small particles or fibres.

S100	Carbon stub for Cambridge/LEO standard finish	each
S101	Carbon stub for Cambridge/LEO <i>ultra smooth</i> finish	each
S102	Carbon stub for JEOL (10 Ø x 10mm H) standard	each
S103	Carbon stub for JEOL (10 Ø x 10mm H) <i>ultra smooth</i>	each
S104	Carbon stub for ISI (15mm Ø x 10mm H) standard	each
S105	Carbon stub for ISI (15mm Ø x 10mm H) <i>ultra smooth</i>	each
S106	Carbon stub for Cambridge microanalysis stage std	each
S107	Carbon stub for Cambridge m/analysis stage <i>u/smooth</i>	each

Carbon Disc on Stub

This is an economical solution to the need for a light element surface for mounting specimens that are to be used for microanalysis. The carbon disc is 3mm thick and is glued to a standard ½" (12.5mm) stub.

Supplied in batches of 8 stubs in a stub storage box.

S111 Box of 8 carbon covered ½" (12.5mm) stubs

Beryllium Discs (Planchettes)

An alternative to carbon as a support for certain applications. Two types are available:

1) 50µm Beryllium laminate on a copper support to give excellent price/performance. The laminate Be/Cu is thick enough to reduce background radiation to levels achieved by solid Be. In addition, the ductile Cu layer will inhibit fracture of the brittle Be.

D211 Be/Cu disc 1cm Ø x 0.25mm thick	D214 Be/Cu disc 50.8mm Ø x 1mm thick
D212 Be/Cu disc 1.27cm Ø x 0.25mm thick	D215 Be/Cu disc 101.6mm Ø x 1mm thick
D213 Be/Cu disc 2.5cm Ø x 1mm thick	D216 Be/Cu disc 203.2mm Ø x 2mm thick

The above are also available with a *raised and numbered grid* for easy location in the SEM

D217 Be/Cu disc 1cm Ø x 0.25mm	D219 2.5cm Ø x 1mm
D218 Be/Cu disc 1.27cm Ø x 0.25mm	

2) Solid beryllium discs 50µm thick

D220 Be disc 10mm Ø	D221 Be disc 12.5mm Ø	D222 Be disc 25mm Ø
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