



US PRICES > Filaments and Accessories

International prices vary by country. Please contact your local distributor or Sutter Instrument for a quotation. Prices subject to change without notice.

FILAMENTS (Minimum purchase of filaments is 4)

Appropriate filament selection depends on your research application, but a general guideline for filaments is as follows:

Box Filaments - Recommended for small to large diameter borosilicate glass, double barreled, or aluminosilicate glass. Box filaments are particularly suitable for patch pipettes, slice preparations, and for sharp electrodes and microinjection pipettes where gradual parallel walls would aid cell penetration. When using a box filament, the size of the square box should be approximately 1.0mm to 1.5mm larger than the outside diameter of the glass that you will be using.

For IVF and ICSI applications, a 2.5mm x 4.5mm box filament (FB245B) is recommended. For pronuclear injection work, we recommend a 2.5 mm x 2.5 mm box filament (FB255B). Call for more specific advice or to request a combination of settings, filaments, and glass for your application.

Trough Filaments - Excellent general purpose filaments and are recommended for creating longer slice patch pipettes and sharp electrodes. The trough filament is not ideal for making patch pipettes or when using glass over 1.2 mm OD. If very short tapers are required for patch electrodes or for microinjection, a 2.5 mm or 3 mm box filament is recommended.

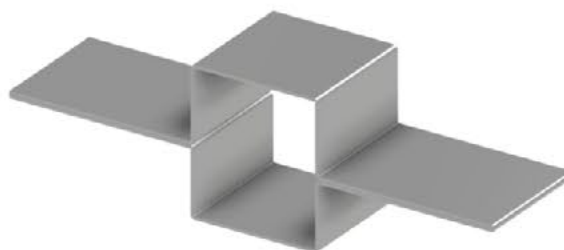
Custom Filaments - A custom filament can be created if your pipette needs can not be met by one of the standard box or trough filaments. Please call Sutter for details.

Sutter pre-programs the P-97 with a 2.5 mm x 2.5 mm box filament unless an alternative filament is requested.

For either shape of filament (box or trough), increasing the filament width tends to increase the length of the pipette taper. If there are specific questions as to the sizes needed, please call and our technical support staff will guide you in your choice.



Trough filament



Box filament



Loop filament



Nichrome filament

Box Filaments

Catalog Number	Description
FB215B	2.0 mm square box filament, 1.5 mm wide
FB220B	2.0 mm square box filament, 2.0 mm wide
FB230B	2.0 mm square box filament, 3.0 mm wide
FB255B	2.5 mm square box filament, 2.5 mm wide
FB245B¹	2.5 mm square box filament, 4.5 mm wide
FB315B	3.0 mm square box filament, 1.5 mm wide
FB320B	3.0 mm square box filament, 2.0 mm wide
FB330B	3.0 mm square box filament, 3.0 mm wide

Trough Filaments

Catalog Number	Description
FT315B	1.5 mm wide trough filament
FT320B	2.0 mm wide trough filament
FT330B	3.0 mm wide trough filament
FT345B	4.5 mm wide trough filament

Custom Filaments

Catalog Number	Description
FILAMENT	Custom platinum/iridium filament (<i>Phone Sutter for details</i>)

P-30 Filaments

Catalog Number	Description
PF30T15	1.5 mm wide trough filament
PF30T20	2.0 mm wide trough filament
PF30T30	3.0 mm wide trough filament
PF30N²	Nichrome filament – 3 turns (<i>BEFORE SN# P30-680</i>)
PF30N-4²	Nichrome filament – 4 turns (<i>AFTER SN# P30-679</i>)

P-77A Loop Filaments

Catalog Number	Description
<i>(SN# 160 and greater)</i>	
FL315A	3.0 mm loop filament, 1.5 mm wide
FL320A	3.0 mm loop filament, 2.0 mm wide
FL325A	3.0 mm loop filament, 2.5 mm wide
<i>(SN# less than 160)</i>	
FL315X	3.0 mm loop filament, 1.5 mm wide
FL320X	3.0 mm loop filament, 2.0 mm wide
FL325X	3.0 mm loop filament, 2.5 mm wide

Accessories

Catalog Number	Description
FPS	Fire polishing spacer for P-97, P-87, P-2000 pullers
FS1875	Platinum/iridium sheet, 18 mm x 75 mm x 0.05 mm (0.002 in)
CTS	Ceramic tile for scoring glass
BX10	Pipette storage box - Holds 10 (4 3/4 x 3 5/8 x 3/4 in)
BX20	Pipette storage box - Holds 20 (7 x 3 5/8 x 3/4 in)

¹ For P-87, please contact Sutter

² P-30/N pullers (serial number lower than P-30-680) came with a P30N filament installed. You can now select either the P30N or P30N-4 filament. With the P30N-4 you can 1) use lower heat settings, 2) pull longer tapers (2-3cm) and 3) use aluminosilicate glass. If you need to pull very short tapers, the P30N is recommended.