



*Quality and Value
Through Engineering*

- ◆ Axcelis NV10, NV20,
GSD Bernas
- ◆ Signet VSEA Bernas
Conversion

Filament posts using this design developed by Signet Products will last far longer.

Minimum torque must be used to tighten the 73-8025 tantalum screw as it can easily deform.

The following procedure will help extend production life. Should the threads bind, normally a little alcohol or acetone on the threads followed by turning the screw back and forth will allow it to be removed. The 8-32 threads in the moly clamp should be chased if the thumbscrew won't easily screw in and out after it has been used for some time.

Note: This improved filament clamp is also used for the VSEA 120-10 through 180-10 Series Signet Bernas Conversions.

AXCELIS - IMPLANTER PARTS NV10, NV20 & GSD100 SERIES

Signet Improvement for the Axcelis Filament Clamp



SIGNET PART NUMBER 40-8980-1

This improved design uses a 73-8025 tantalum socket head cap screw in a Molybdenum Filament Clamp. Signet Products developed this design concept in the early 1990's which is based upon tantalum's expansion being greater than molybdenum's as the temperature increases. Our design replaces the old "tuning fork" filament clamp that loses its grip over time. This material combination results in longer filament clamp life, easier filament installation and improved electrical continuity at the filament interface.

Signet Part #	OEM Part #	Description
40-8980-1	1789800 Ref.	Filament Clamp, Enhanced

Also Available is our 40-8980-2 Filament Clamp Assembly which includes the following additional parts:

01-8743	4400042 Ref.	Button Head Vented 8-32 x 7/16 screw
44-0946	1709460	Spacer, Stainless Steel
37-6007	5000024	Standoff, 1/2 Dia x 5/8 Long, 8-32

Ref = Design Alterations of OEM Part

Ref. = Design Alteration of OEM Part