



*Quality and Value  
Through Engineering*

◆ Applied Materials 9500



The Signet Designed  
70-98914 Filament Shield



The OEM design uses a complex cam operated method to spread their filament clamp slot to clamp the Filament and the Reflector separately. This cam action is very complex and therefore costly to machine. It is also subject to breaking because of the inflexibility of Molybdenum. This is compounded when techs use screw drivers or other tools rather than the cam system to spread the clamps.

Applied Materials PARTS  
Model 9500 Bernas

## Signet Products Left and Right Filament Clamps with Filament Shields



This Signet second generation design uses Tantalum Filament Screws that hold both the filament and the filament shields (pictured above left) firmly in place. This easy to use proven design is used in many Signet Filament Clamps. When properly tightened the thermal expansion of the tantalum filament screws firmly hold the filament in place. As long as the screws are not over tightened they are durable and will last a long time.

Signet Part #	OEM Part #	Qty	Description
70-81227	0020-81227 Ref.	1	Filament Clamp. Enhanced LH
70-94018	0040-94018 Ref.	1	Filament Clamp, Enhanced RH
70-98914	N/A	2	Filament Shield
70-8025	N/A	2	8-32 X ¼ SHC screw, Ta
72-82135	0020-82135	1	Filament

Ref. = Design Alteration of OEM Part

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