

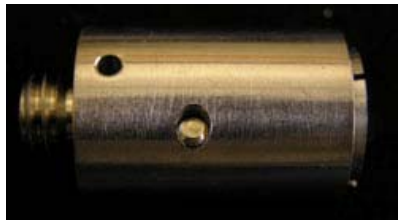


*Quality and Value
Through Engineering*

- ◆ Simplifying the design
- ◆ Reduces cost
- ◆ Reduces maintenance
- ◆ Extends component life
- ◆ Reduces the components

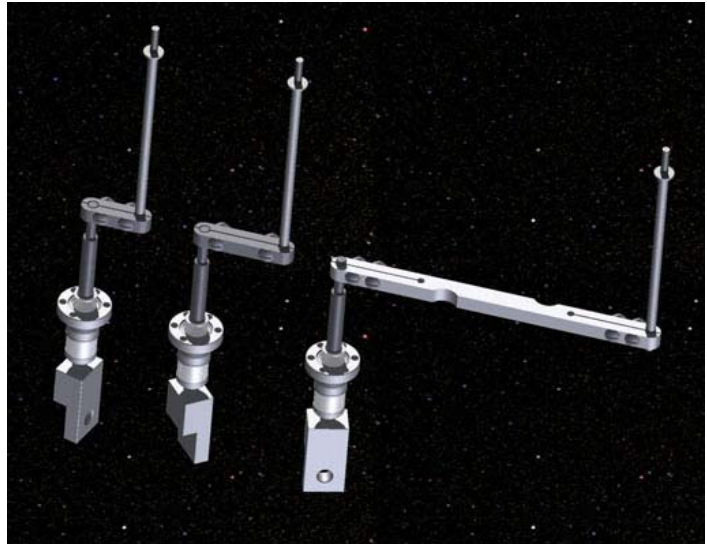


The complex expensive OEM threaded Moly to Moly collet bolt assembly.



The Signet design clamps to other components for easier assembly and disassembly.

MBE/MOCVD Emcore Buss Bar Assembly For E450



(Similar Signet E400 5101 Assembly illustrated)

Signet 5100 E450 Heater Clamp Kit Assembly

Signet also has Buss Assembly Kit 5101 for the E400. Kits are now available for the D125, D180, E300 and there will soon be one for the E470.

Signet simplified the design eliminating the collet bolt assembly completely and all threading of Moly to Moly. Signet also reduced the diameter of some of the upright bars significantly reducing the weight, cost and heat sinking of the OEM design. The Signet Buss Assembly uses Stainless bolts and nuts to clamp the Moly components to each other providing excellent contact, electrical conductivity minimizing heat transfer from the elements back down the Moly components. This design also allows easier alignment of the assembly. The only components that could seize would be the stainless bolts/nuts and if they do they can be broken off and replaced for dollars rather than the hundreds with the OEM design.

The 5100 Kit for the E450 includes the following:

Signet P/N	Qty	Description
51-6308	2	Outer Heater Buss Clamp
51-3967	2	Clamp, Middle
51-3971	2	Clamp, Inner
51-3975	6	Buss Rod w Mo Washer

Signet Products Inc. supplies parts that replace OEM consumable parts. Whenever possible, they are engineered to improve performance and or extend service life. A "Ref." following an OEM part number indicates our part is an improved design related to this OEM part.

Ref. = Design Alteration of OEM Part

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