



**181-053**  
**Size 16 Fiber Optic Jewel Socket Terminus**  
**MIL-DTL-38999 Series III Type**

**D38999**  
Series III

**B**

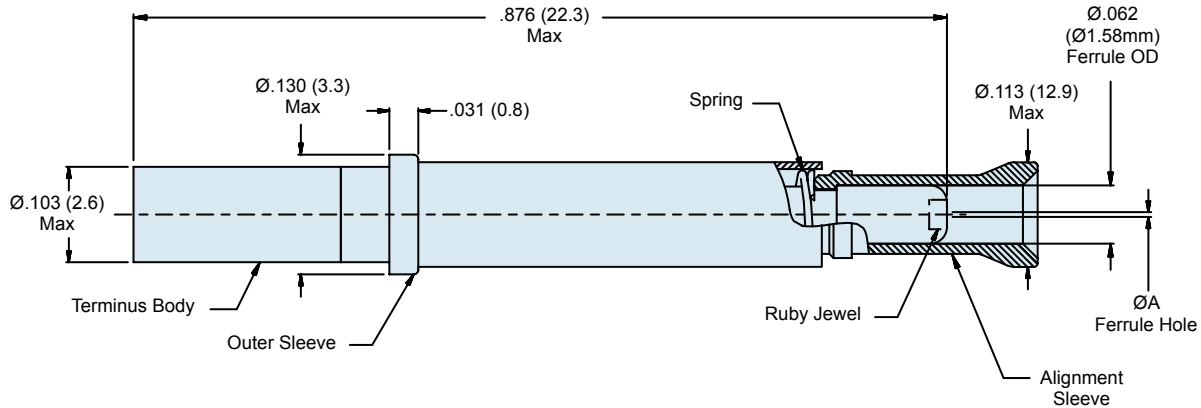
**Fiber optic jewel socket terminus for MIL-DTL-38999 type connectors**



Part Number	Ferrule Hole Ø A (Microns)	Typical Fiber Size Core/Cladding/Coating (Microns)
181-053-125	125.0	9/125 (Singlemode)
181-053-127	127.0	50/125, 62.5/125
181-053-142	142.0	100/140
181-053-157	157.0	62.5/125/155
181-053-175	175.0	100/140/172
181-053-236	236.0	200/230

Add L to the end of part number development to supply less epoxy preforms e.g. 181-053-127L. Omit to include preforms.

Terminus Accessories	
Part Number	Terminus Accessory
189-070-6	Reducing Sleeve Ø1.90mm Max Cable Jacket
189-075	Alignment Sleeve
182-031	Alignment Sleeve Installation Tool
182-032	Alignment Sleeve Extraction Tool
181-053-E	Epoxy Preforms



**Material and Finish**  
 Terminus Body: Stainless Steel/Passivate  
 Jewel/Ruby: Synthetic Ruby or Sapphire  
 Alignment Sleeve: Stainless Steel/Passivate  
 Outer Sleeve: Stainless Steel/Passivate  
 Spring: Stainless Steel/Passivate.

**Notes**  
 Alignment Sleeve, Outer Sleeve, and Spring packaged loose with assembly.  
 Recommended insertion/extraction tool: M81969/14-03 or equivalent.