



- GENERAL NOTES:**
- 1 Head edge out of roundness shall not exceed "F".
  2. Concentricity: Conical surface of head to "D" diameter within .005 FIM.
  3. "H" is dimensioned from maximum "D" diameter.
  4. Surface texture per ASME B46.1.
  5. Dimensions are in inches and to be met after finish.
  6. Hole preparation per NAS618.
  - 7 Curved or flat edge manufacturer's option.
  - 8 Maximum "D" diameter may be increased by .0002 to allow for aluminum coating application.
  9. Use HLT637 for oversize replacement.
  - 10 After February, 21st of 2015, HI-KOTE™ 1 aluminum pigmented coating per Hi-Shear Spec. 294 will be replaced by REACH compliant HI-KOTE™ 1 NC aluminum pigmented coating per Hi-Shear Spec. 294 on fasteners coated in European Union.

**MATERIAL:** 6Al-4V titanium alloy per AMS4928 or AMS4967.

**HEAT TREAT:** 95,000 psi shear minimum.

- FINISH:**
- HLT437-( )-( ) = Cetyl alcohol lube per Hi-Shear Spec. 305.
  - 10 HLT437AP( )-( ) = HI-KOTE™ 1 aluminum pigmented coating per Hi-Shear Spec. 294 and cetyl alcohol lube per Hi-Shear Spec. 305.
  - 10 HLT437AZ( )-( ) = HI-KOTE™ 1 aluminum coating per Hi-Shear Spec. 294, color black on thread end and cetyl alcohol lube per Hi-Shear Spec. 305.
  - HLT437BJ( )-( ) = I.V.D. aluminum coating per MIL-DTL-83488, Type II, Class 3, and cetyl alcohol lube per Hi-Shear Spec. 305.
  - 21 10 HLT427FD( )-( ) = HI-KOTE™ 1 aluminum pigmented coating per Hi-Shear Spec. 294, with color red on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305.
  - 21 HLT437FE( )-( ) = Grit blast top of head with red on thread end and cetyl alcohol lube per Hi-Shear Spec. 305.
  - HLT437FB( )-( ) = Grit blast top of head and cetyl alcohol lube per Hi-Shear Spec. 305.
  - HLT437FW( )-( ) = Grit blast top of head, HI-KOTE™ 2 solid film lube on threads only per Hi-Spec. 292, with color black on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305.
  - HLT437HG( )-( ) = I.V.D. aluminum coating per MIL-DTL-83488, Type II, Class 3, and apply precoat No. PR1436G sealant (.002-.005 thick), and cetyl alcohol lube per Hi-Shear Spec. 305.
  - 21 10 HLT437KM( )-( ) = HI-KOTE™ 1 aluminum pigmented coating per Hi-Shear Spec. 294, with color white on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305.
  - HLT437ST( )-( ) = Grit blast top of head, color white on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305.
  - HLT437TA( )-( ) = Surface preparation per Ti-Shield III, HI-KOTE™ 2 solid film lube per Hi-Shear Spec. 292 and cetyl alcohol lube per Hi-Shear Spec. 305.
  - HLT437TB( )-( ) = HI-KOTE™ 2 solid film lube per Hi-Shear Spec. 292, and cetyl alcohol lube per Hi-Shear Spec. 305.
  - HLT437YT( )-( ) = Grit blast top of head, color black on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305.
  - HLT437HK( )-( ) = HI-KOTE™ 4 NC aluminum coating per Hi-Shear Spec. 397.

**SPECIFICATION:** HI-LOK™ HI-TIGUE™ Product Specification 342.

**CODE:** First dash number indicates nominal diameter in 1/32nds. of which HLT437 oversize pin replaces.  
 Second dash number indicates maximum grip in 1/16ths. See Finish note for explanation of code letters.

**HOW TO ORDER  
 EXAMPLE:**

Pin Part Number  
 HLT437TB8-8

8/16 or 1/2 Maximum Grip Length  
 8/32 or 1/4 Nominal Diameter Pin  
 Finish Code  
 Pin Basic Part Number

HLT437

DRAWING NUMBER

**HLT437**

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