



| DASH NO. | PIN NOM DIA | THREAD         | A DIA        | B DIA        | L                    | L1 (REF) | P (REF) | W HEX        | X (REF) | UTS LBS. MIN | TORQUE-OFF INCH-POUNDS |  |
|----------|-------------|----------------|--------------|--------------|----------------------|----------|---------|--------------|---------|--------------|------------------------|--|
| 5        |             |                |              |              | NOTE: USE HST71 ( )6 |          |         |              |         |              |                        |  |
| 6        | 3/16        | 10-32UNJF-3B   | .355<br>.345 | .228<br>.223 | .405<br>.385         | .240     | .344    | .314<br>.302 | .095    | 2,500        | 22-32                  |  |
| 8        | 1/4         | 1/4-28UNJF-3B  | .440<br>.430 | .288<br>.283 | .475<br>.455         | .280     | .484    | .440<br>.425 | .100    | 4,300        | 50-70                  |  |
| 10       | 5/16        | 5/16-24UNJF-3B | .535<br>.525 | .350<br>.345 | .555<br>.535         | .325     | .624    | .565<br>.550 | .105    | 6,300        | 80-110                 |  |
| 12       | 3/8         | 3/8-24UNJF-3B  | .635<br>.625 | .413<br>.407 | .625<br>.605         | .365     | .700    | .628<br>.613 | .105    | 8,700        | 140-180                |  |
|          |             |                |              |              |                      |          |         |              |         |              |                        |  |

- NOTES:**
1. Go thread gage penetration shall be 3/4 of one revolution minimum after thread lock.
  2. Dimensions apply after finish.

**MATERIAL:** Collar - 6Al-4V titanium alloy per AMS4928, AMS4930 or AMS4967, or  
- 3Al-2.5V titanium alloy per AMS4943 (MIL-T-9047).

**FINISH:** Collar - HST171TA( ) = Pretreat per Hi-Shear Ti-Shield III and Hi-Kote 2 solid film lube per Hi-Shear Spec. 292, and cetyl alcohol lube per Hi-Shear Spec. 305.

**SPECIFICATION:** Hi-Lite Product Specification 381.

**CODE:** Dash number indicates nominal thread size in 1/32nds.  
See Finish note for explanation of other code letters.

**EXAMPLE:** HST171TA8 = 1/4-28 Hi-Lite ST collar.

U.S. Patents 4,326,825; 4,485,510 and 4,957,401.  
Other U.S. and foreign patents pending.  
"Hi-Lite" and "HST" are registered trademarks and  
"Hi-Lite ST™" is a trademark of Hi-Shear Corporation

| DATE              | BY     | TITLE  | DRAWING NO.   |
|-------------------|--------|--|---------------|
| DRAWN 11-28-00    | J.F.O. | <b>HI-LITE® ST™ COLLAR</b><br>TITANIUM ALLOY<br>1/16" GRIP VARIATION, SHEAR APPLICATION<br>FOR USE ON 1/32" OVERSIZE HI-LITE ST PINS | <b>HST171</b> |
| APPROVED 11-28-01 | MC     |  |               |
| ① REVISION        | -      |  |               |