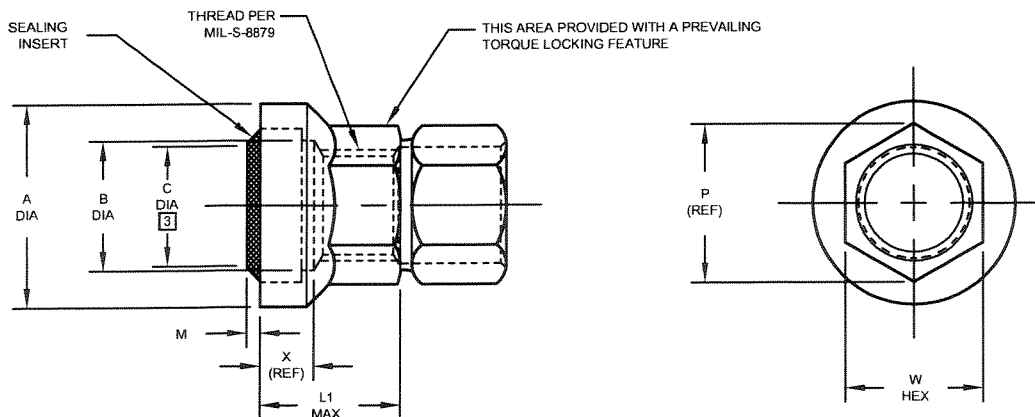


**hi-shear**  
CORPORATION

2600 Skypark Drive  
Torrance, California 90509 U.S.A.  
Telephone (310) 326-8110  
FAX (310) 784-4144

HI-SHEAR CORPORATION, U.S.A. (Patent Holder) CAGE No. 73197  
a GFI AEROSPACE Company  
AIR INDUSTRIES CO., INC., U.S.A. (Licensee - U.S.A. & Canada) CAGE No. 06725  
SPS TECHNOLOGIES, U.S.A. (Licensee) CAGE No. 56878  
FAIRCHILD - SIMMONDS S.A. France (Licensee) CAGE No. 92215

BLANC AERO INDUSTRIES UK LIMITED (Licensee) CAGE No. 0LB68  
a GFI AEROSPACE Company  
BLANC AERO S.A. France (Licensee - ECC Countries)  
a GFI AEROSPACE Company  
TOKYO SCREW COMPANY, Japan (Licensee - Japan)



| DASH NO. | PIN NOM DIA | THREAD         | A DIA        | B DIA        | C DIA MIN | L            | L1 MAX | M MAX | P (REF) | W HEX        | X (REF) | UTS LBS. MIN | TORQUE-OFF INCH-POUNDS |
|----------|-------------|----------------|--------------|--------------|-----------|--------------|--------|-------|---------|--------------|---------|--------------|------------------------|
| 5        | 5/32        | 8-32UNJC-3B    | .352<br>.348 | .173<br>.169 | .164      | .395<br>.375 | .220   | .045  | .344    | .314<br>.302 | .085    | 1,940        | 15-25                  |
| 6        | 3/16        | 10-32UNJF-3B   | .388<br>.384 | .212<br>.208 | .188      | .405<br>.385 | .230   | .045  | .344    | .314<br>.302 | .085    | 2,500        | 25-35                  |
| 8        | 1/4         | 1/4-28UNJF-3B  | .509<br>.505 | .276<br>.272 | .248      | .480<br>.460 | .290   | .055  | .380    | .346<br>.332 | .090    | 4,300        | 60-80                  |
| 10       | 5/16        | 5/16-24UNJF-3B | .636<br>.630 | .340<br>.334 | .310      | .575<br>.555 | .335   | .055  | .484    | .440<br>.425 | .095    | 6,200        | 125-145                |
| 12       | 3/8         | 3/8-24UNJF-3B  | .720<br>.714 | .403<br>.397 | .372      | .645<br>.625 | .375   | .060  | .557    | .503<br>.488 | .095    | 8,700        | 200-230                |

- NOTES:**
- Go thread gage penetration shall be 3/4 of one revolution minimum.
  - Dimensions apply after finish.
- 3 "C" diameter is the inner diameter of the Teflon insert.

**MATERIAL:**

Collar - 6AL4V titanium alloy per AMS4982 AMS4967.  
Insert - Teflon per MIL-P-19468.

**FINISH:**

Collar - HST1371-( ) = Anodize per MIL-A-8625, dye color green, and cetyl alcohol lube per Hi-Shear Spec. 305.  
HST1371DU( ) = Solid film lube per AS5262, Type I.

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

**CODE:** Dash number indicates nominal thread size in 1/32nds.

**EXAMPLE:** HST1371-8 = 1/4-28 Hi-Lite ST sealing collar with teflon insert.

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 5-17-02    | S. KIM | HI-LITE® ST™ COLLAR<br>(SEALING TYPE)<br>TITANIUM ALLOY<br>1/16 GRIP VARIATION, SPECIAL SHEAR APPLICATION<br>FOR USE ON STANDARD DIAMETER HI-LITE PINS | HST1371     |
| APPROVED 7-22-02 | E.E.B. |                                                                                                                                                        |             |
| REVISION         | -      |                                                                                                                                                        |             |