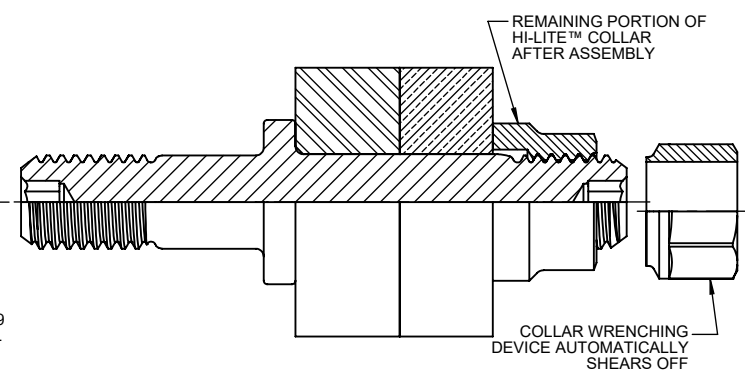


HI-LITE™ THREADED STUD PIN



HI-LITE™ THREADED STUD PIN AND COLLAR AFTER ASSEMBLY

SEE COLLAR STANDARDS  
FOR COLLAR STRENGTHS.  
LOWER STRENGTH (PIN OR  
COLLAR) DETERMINES  
SYSTEM STRENGTH.

FIRST DASH NO.	PIN NOM DIA	A DIA	B REF	D DIA		TD DIA	H	R RAD	S CHAMFER REF	THREAD MODIFIED	SOCKET			DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM
				WITHOUT COATING	WITH COATING						W HEX	T DEPTH	Y DIA		
5	5/32	.322 .306	.280	.1635 .1630	.1635 .1625	.1595 .1570	.065 .055	.025 .015	1/32 x 37°	.1640-32 UNJC-3A	.0801 .0791	.100 .080	.104 .094	4,010	2,180
6	3/16	.377 .357	.290	.1895 .1890	.1895 .1885	.1840 .1810	.074 .064	.025 .015	1/32 x 37°	.1900-32 UNJF-3A	.0806 .0791	.100 .080	.119 .104	5,380	3,180
8	1/4	.440 .415	.320	.2495 .2490	.2495 .2485	.2440 .2410	.090 .080	.025 .015	1/32 x 37°	.2500-28 UNJF-3A	.0967 .0947	.110 .090	.142 .122	9,300	5,820
10	5/16	.505 .475	.380	.3120 .3115	.3120 .3110	.3060 .3020	.112 .102	.030 .020	3/64 x 37°	.3125-24 UNJF-3A	.1295 .1270	.130 .110	.180 .160	14,600	9,200
12	3/8	.600 .565	.420	.3745 .3740	.3745 .3735	.3680 .3640	.140 .130	.030 .020	3/64 x 37°	.3750-24 UNJF-3A	.1617 .1582	.160 .140	.217 .197	21,000	14,000

**GENERAL NOTES:**

- Concentricity: "A" to "D" diameter within .010 FIM. Threaded stud to "D" diameter within .005 FIM.
- Dimensions are in inches and to be met after finish.
- Surface texture per ASME B46.1.
- Hole preparation per NAS618.
- Use HST560 for next oversize replacement.

- ⑥ 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 the UK and European Union.

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

**HEAT TREAT:** 160,000 psi tensile minimum.

⑤ **FINISH:** HST360-( )-( )-( ) = Cetyl alcohol lube per Hi-Shear Spec. 305.

⑥ HST360AP( )-( )-( ) = HI-KOTE™ 1 aluminum coating per Hi-Shear Spec. 294, and cetyl alcohol lube per Hi-Shear Spec. 305.

⑥ HST360AZ( )-( )-( ) = HI-KOTE™ 1 aluminum coating per Hi-Shear Spec. 294, with color code black on thread end of the pin end only, and cetyl alcohol lube per Hi-Shear Spec. 305.

**SPECIFICATION:** HI-LITE™ Product Specification 380.

**CODE:**

First dash number indicates nominal diameter in 1/32nds.  
Second dash number indicates maximum grip in 1/16ths.  
Third dash number indicates threaded stud grip in 1/16ths.  
See Finish note for explanation of code letters.

**HOW TO ORDER**

**EXAMPLE:**

Threaded Stud Pin Part Number  
HST360AP8-8-8

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

THIS AREA OF SPECIAL CONFIGURATION  
AND COLD WORKING TO MEET PHYSICAL  
REQUIREMENTS



**VIEW A**

HI-LITE™ THREAD TRANSITION AREA  
SEE SPECIFICATION FOR INSPECTION

"HI-LITE", "HST", AND "HI-KOTE", ARE TRADEMARKS OF HI-SHEAR CORPORATION		
DRAWN BY J.F.OBISPO	DATE 1994-10-25	TITLE HI-LITE™ THREADED STUD PIN PROTRUDING TENSION HEAD TITANIUM 1/16 GRIP VARIATION
APPROVED E.E.B.	DATE 1994-10-27	
REVISION 5	DATE D. PEÑA 2023-01-31	DRAWING NUMBER <b>HST360</b>