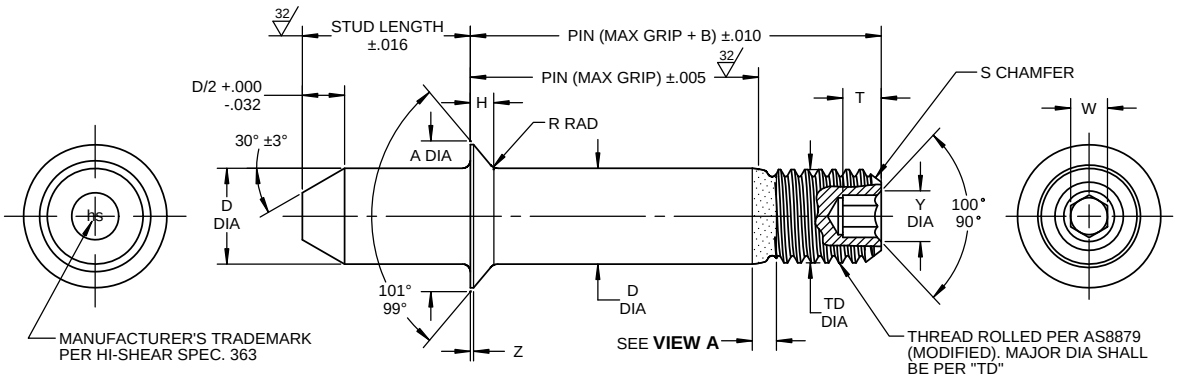
lisi AEROSPACE
hi-shear corporation
2600 SKYPARK DRIVE, TORRANCE, CALIFORNIA 90509 U.S.A.

HI-SHEAR Corporation, USA
a LISI AEROSPACE Company

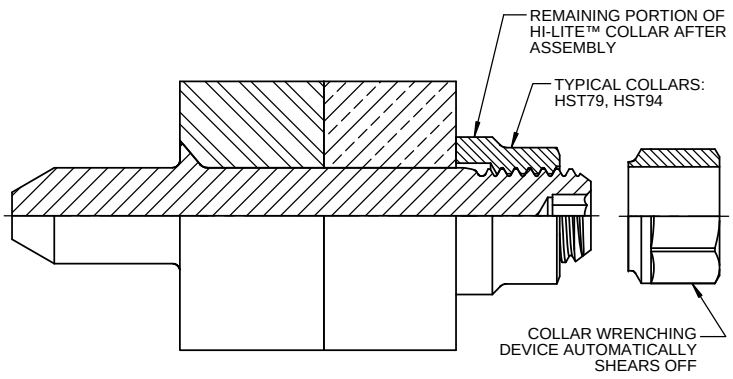
Design Holder

CAGE No. 73197

⑤ For the current list of licensed manufacturers, please visit the LISI AEROSPACE website at:
HTTP://WWW.LISI-AEROSPACE.COM/LICENSES



HI-LITE™ STUD PIN



HI-LITE™ STUD PIN AND COLLAR AFTER ASSEMBLY

[1]

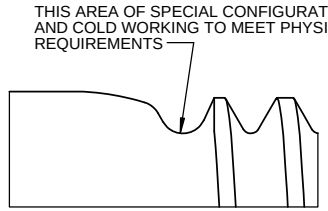
FIRST DASH NO.	PIN NOM DIA	**A** DIA REF	**B** REF	**D** DIA WITHOUT COATING, PLATING	**D** DIA WITH COATING, PLATING	**TD** DIA	**F**	**H** REF	**R** RAD	**Z**	**S** CHAMFER REF	**THREAD** MODIFIED	SOCKET **W** HEX	SOCKET **T** DEPTH	SOCKET **Y** DIA	DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM
5	5/32	.285 .255	.280	.1635 .1630	.1635 .1625	.1595 .1570	.010	.045	.025 .015	.010 .005	1/32 x 45°	.1640-32 UNJC-3A	.0801 .0791	.080 .065	[8]	4,010	1,290
6	3/16	.322 .292	.290	.1895 .1890	.1895 .1885	.1840 .1810	.010	.050	.030 .020	.010 .005	1/32 x 45°	.1900-32 UNJF-3A	.0806 .0791	.100 .080	.119 .104	5,380	2,000
8	1/4	.416 .384	.320	.2495 .2490	.2495 .2485	.2440 .2410	.012	.063	.030 .020	.015 .005	1/32 x 45°	.2500-28 UNJF-3A	.0967 .0947	.110 .090	.142 .122	9,300	3,700
10	5/16	.501 .468	.380	.3120 .3115	.3120 .3110	.3060 .3020	.014	.072	.040 .030	.015 .005	3/64 x 45°	.3125-24 UNJF-3A	.1295 .1270	.130 .110	.180 .160	14,600	5,000
12	3/8	.587 .554	.420	.3745 .3740	.3745 .3735	.3680 .3640	.016	.082	.040 .030	.015 .005	3/64 x 45°	.3750-24 UNJF-3A	.1617 .1582	.160 .140	.217 .197	21,000	7,200

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

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.
⑤ 4. Dimensions are in inches and to be met after finish.
⑤ 5. Surface texture per ASME B46.1.
6. Hole preparation per NAS618.
7. Recommended for light structure only.
[8] Evidence of broken edge across points.
⑤ [9] 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.

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

HOW TO ORDER
⑤ **EXAMPLE:** Threaded Stud Pin Part Number
HST36AG6-8-8
- 8/16 or 1/2 Stud End Grip Length
- 8/16 or 1/2 Pin Maximum Grip
- 3/16 Nominal Diameter Pin
- Finish Code
- Pin Basic Part Number



VIEW A
HI-LITE™ THREAD TRANSITION AREA
SEE SPECIFICATION FOR INSPECTION

MATERIAL: A-286 high temperature alloy per AMS5731.

HEAT TREAT: 95,000 psi shear minimum.

FINISH:
HST36-( )-( ) = Passivate per Hi-Shear Spec. 258 and cetyl alcohol lube per Hi-Shear Spec. 305.
⑤ [9] HST36AG( )-( ) = HI-KOTE™ 1 aluminum pigmented coating per Hi-Shear Spec. 294, with color orange on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305.
HST36PB( )-( ) = Cadmium plate per AMS-QQ-P-416, Type II, Class 2, and cetyl alcohol lube per Hi-Shear Spec. 305.

SPECIFICATION: HI-LITE™ Product Specification 380.

"HI-LITE", "HST", AND "HI-KOTE", ARE TRADEMARKS OF HI-SHEAR CORPORATION

DRAWN BY	DATE	TITLE
J.OBISPO	1987-01-15	HI-LITE™ STUD PIN 100° FLUSH SHEAR HEAD A-286 HIGH TEMPERATURE ALLOY 1/16 GRIP VARIATION
APPROVED E.E.B.	DATE 1987-01-19	
REVISION ⑤	DATE M.BEARD 2017-10-05	DRAWING NUMBER **HST36** 1 OF 1

HST36