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

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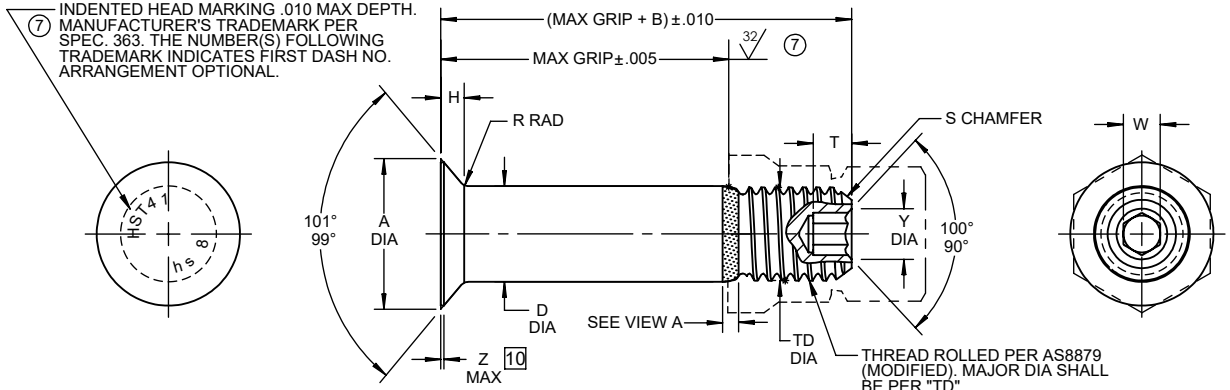
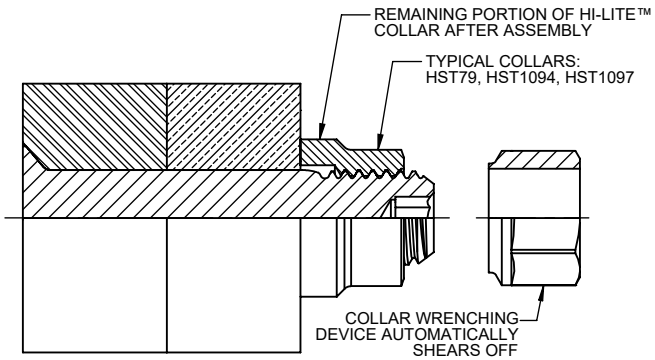


HI-LITE™ PIN

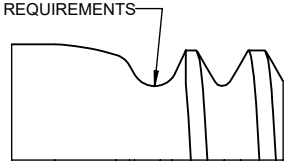


HI-LITE™ PIN AND COLLAR AFTER ASSEMBLY

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 [8] WITHOUT PLATING, OR SOLID FILM LUBE	D DIA [8] WITH PLATING, OR SOLID FILM LUBE	TD DIA	F REF [1]	H	R RAD	Z MAX [10]	S CHAMFER REF	THREAD MODIFIED	SOCKET W HEX	SOCKET T DEPTH	SOCKET Y DIA	DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM
5	5/32	.2612 .2564	.280	.1635 .1630	.1635 .1625	.1595 .1570	.004	.0410 .0390	.025 .015	.012	1/32 x 45°	.1640-32 UNJC-3A	.0801 .0791	.100 .080	[9]	4,010	1,290
6	3/16	.3016 .2966	.290	.1895 .1890	.1895 .1885	.1840 .1810	.005	.0470 .0449	.030 .020	.015	1/32 x 45°	.1900-32 UNJF-3A	.0806 .0791	.100 .080	.119 .104	5,380	2,000
8	1/4	.3948 .3898	.320	.2495 .2490	.2495 .2485	.2440 .2410	.006	.0610 .0589	.030 .020	.015	1/32 x 45°	.2500-28 UNJF-3A	.0967 .0947	.110 .090	.142 .122	9,300	3,700
10	5/16	.4739 .4689	.380	.3120 .3115	.3120 .3110	.3060 .3020	.007	.0679 .0658	.040 .030	.015	3/64 x 45°	.3125-24 UNJF-3A	.1295 .1270	.130 .110	.180 .160	14,600	5,000
12	3/8	.5604 .5554	.420	.3745 .3740	.3745 .3735	.3680 .3640	.008	.0780 .0759	.040 .030	.015	3/64 x 45°	.3750-24 UNJF-3A	.1617 .1582	.160 .140	.217 .197	21,000	7,200
14	7/16	.6680 .6620	.485	.4370 .4365	.4370 .4360	.4310 .4260	.009	.0969 .0944	.050 .040	.022	3/64 x 45°	.4375-20 UNJF-3A	.1930 .1895	.190 .170	.253 .233	28,600	10,000
16	1/2	.7540 .7480	.525	.4995 .4990	.4995 .4985	.4930 .4880	.010	.1068 .1043	.050 .040	.022	3/64 x 45°	.5000-20 UNJF-3A	.2242 .2207	.220 .200	.289 .269	37,300	13,500

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



VIEW A

HI-LITE™ THREAD TRANSITION AREA
SEE SPECIFICATION FOR INSPECTION

DRAWN BY	DATE	TITLE
D.P.S.	1982-09-10	HI-LITE™ PIN 100° FLUSH SHEAR HEAD A-286 HIGH TEMPERATURE ALLOY 1/16 GRIP VARIATION
APPROVED JGWILCOX	DATE 1982-09-16	
REVISION 7	DATE A.CHAE 2022-03-09	DRAWING NUMBER **HST41** 1 OF 2

HST41

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GENERAL NOTES:
1. [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. Dimensions are in inches and to be met after finish.
5. [5] Non-lubed pins must be used with wet sealant or with lubed collars.
6. Surface texture per ASME B46.1.
7. Hole preparation per NAS618.
8. [8] Maximum "D" diameter may be increased by .0002 to allow for solid film application.
9. [9] Evidence of broken edge across points.
10. [10] Curved or flat edge manufacturer's option.
11. (7) [11] 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: A-286 high temperature alloy per Spec. AMS5737, or AMS5731.

HEAT TREAT: 95,000 psi shear minimum at 70°F.

FINISH:
- (7) HST41-( )-( ) = Passivate per AMS2700, Method 1, Type 8, Class 1 and cetyl alcohol lube per Hi-Shear Spec. 305.
- HST41DU( )-( ) = Solid film lube per AS5272, Type I.
- [5] HST41GU( )-( ) = Silver plate per AMS2410.
- (7) [5] HST41PY( )-( ) = Passivate per AMS2700, Method 1, Type 8, Class 1.
- HST41TF( )-( ) = HI-KOTE™ 2 solid film lube per Hi-Shear Spec. 292.
- HST41V( )-( ) = Solid film lubricant per "Lubeco" 2123, Type II.
- [11] HST41NKJ( )-( ) = HI-KOTE™ 1 NC aluminum pigmented coating per Hi-Shear Spec. 294 with color silver on thread end and cetyl alcohol lube per Hi-Shear Spec. 305
- [11] HST41NKL( )-( ) = HI-KOTE™ 1 NC aluminum pigmented coating per Hi-Shear Spec. 294 on threads only with color silver on thread end and cetyl alcohol lube per Hi-Shear Spec. 305.
- HST41BH-( )-( ) = IVD aluminum per MIL-DTL-83488, Type II, Class 3 with color blue on thread end and cetyl alcohol lube per Hi-Shear Spec. 305.
- HST41HK( )-( ) = HI-KOTE™ 4 NC aluminum coating per Hi-Shear Spec. 397.
- (7) HST41NAP( )-( ) = HI-KOTE™ 1 NC aluminum coating per Hi-Shear Spec. 294 (0.0002 to 0.0005 thickness) 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. See Finish note for explanation of code letters.

(7) HOW TO ORDER EXAMPLE: Pin Part Number

HST41DU8-8

- HST41 — Pin Basic Part Number
- DU — Finish Code
- 8 — Replaces 8/32 or 1/4 Nominal Diameter Pin
- 8 — 8/16 or 1/2 Maximum Grip Length

HST41

DRAWING NUMBER
HST41