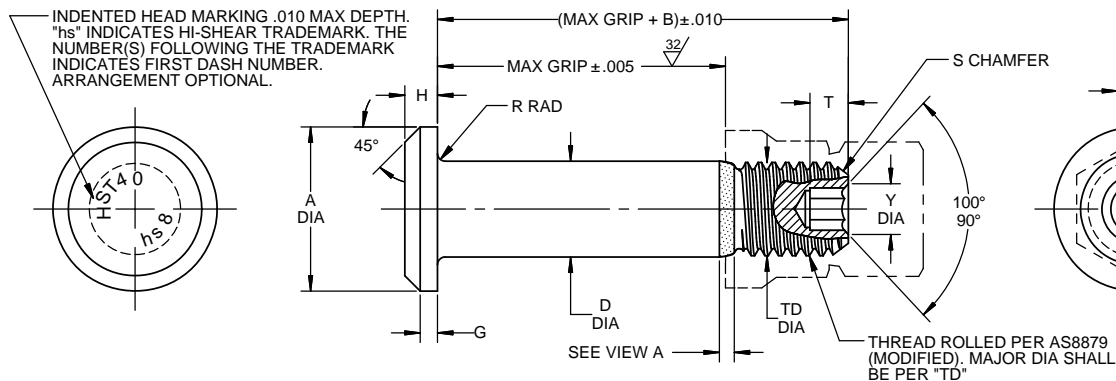
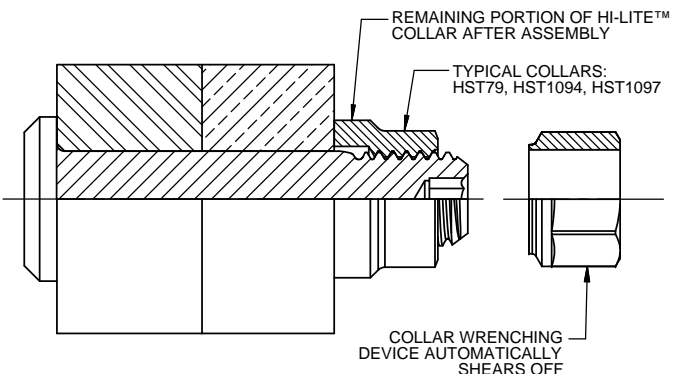


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[HTTP://WWW.LISI-AEROSPACE.COM/LICENSES](http://WWW.LISI-AEROSPACE.COM/LICENSES)



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		TD DIA	G REF	H	R RAD	S CHAMFER REF	THREAD MODIFIED	SOCKET			DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM
				WITHOUT PLATING OR SOLID FILM	WITH PLATING OR SOLID FILM							W HEX	T DEPTH	Y DIA		
5	5/32	.262 .242	.280	.1635 .1630	.1635 .1625	.1595 .1570	.020	.047 .037	.025 .015	1/32 x 45°	.1640-32 UNJC-3A	.0801 .0791	.100 .080	7	4,010	1,940
6	3/16	.315 .295	.290	.1895 .1890	.1895 .1885	.1840 .1810	.025	.055 .045	.025 .015	1/32 x 45°	.1900-32 UNJF-3A	.0806 .0791	.100 .080	.119 .104	5,380	2,500
8	1/4	.412 .387	.320	.2495 .2490	.2495 .2485	.2440 .2410	.030	.069 .059	.025 .015	1/32 x 45°	.2500-28 UNJF-3A	.0967 .0947	.110 .090	.142 .122	9,300	4,300
10	5/16	.505 .475	.380	.3120 .3115	.3120 .3110	.3060 .3020	.035	.078 .068	.030 .020	3/64 x 45°	.3125-24 UNJF-3A	.1295 .1270	.130 .110	.180 .160	14,600	6,300
12	3/8	.600 .565	.420	.3745 .3740	.3745 .3735	.3680 .3640	.040	.088 .078	.030 .020	3/64 x 45°	.3750-24 UNJF-3A	.1617 .1582	.160 .140	.217 .197	21,000	8,700
14	7/16	.676 .641	.485	.4370 .4365	.4370 .4360	.4310 .4260	.045	.105 .093	.030 .020	3/64 x 45°	.4375-20 UNJF-3A	.1930 .1895	.190 .170	.253 .233	28,600	12,100
16	1/2	.770 .735	.525	.4995 .4990	.4995 .4985	.4930 .4880	.050	.115 .103	.030 .020	3/64 x 45°	.5000-20 UNJF-3A	.2242 .2207	.220 .200	.289 .269	37,300	15,300
28	7/8	1.285 1.241	1.000	.8740 .8735	.8740 .8730	.8680 .8610	.090	.187 .172	.050 .035	5/64 x 45°	.8750-16 UNJF-3A	.3820 .3780	.400 .370	.471 .451	114,000	45,000

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 D.P.S.	DATE 1982-09-10	TITLE <b>HI-LITE™ PIN</b> PROTRUDING SHEAR HEAD A-286 HIGH TEMPERATURE ALLOY 1/16 GRIP VARIATION
APPROVED E.E.BEELES	DATE 1982-09-10	
REVISION 6	DATE M.BEARD 2017-04-26	DRAWING NUMBER <b>HST40</b>

**GENERAL NOTES:**

- Concentricity: "A" to "D" diameter within .010 FIM.
- Dimensions are in inches and to be met after finish.
- Surface texture per ASME B46.1.
- Hole preparation per NAS618.
- No-lubed pins must be used with lubed collars.
- Maximum "D" diameter may be increased by .0002 to allow for solid film lube application.
- Evidence of broken edge across points.
- Use HST140 for oversize replacement.

**MATERIAL:** A-286 high temperature alloy per AMS5737 or AMS5731.

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

**FINISH:**

- HST40(-)(-) = Passivate per Hi-Shear Spec. 258 and cetyl alcohol lube per Hi-Shear Spec. 305.
- HST40DU(-)(-) = Solid film lube per AS5272, Type I.
- HST40GU(-)(-) = Silver plate per AMS2410.
- HST40PY(-)(-) = Passivate per Hi-Shear Spec. 258.
- HST40TF(-)(-) = HI-KOTE™ 2 solid film lube per Hi-Shear Spec. 292.
- HST40V(-)(-) = Solid film lubricant per "Lubeco" 2123, Type II.
- HST40NKJ(-)(-) = 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.
- HST40NKL(-)(-) = 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.
- HST40HK(-)(-) = HI-KOTE™ 4 NC aluminum coating per Hi-Shear Spec. 397.

**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.

**HOW TO ORDER**

© **EXAMPLE:** Pin Part Number  
 HST40DU8-8  
 8/16 or 1/2 Maximum Grip Length  
 8/32 or 1/4 Nominal Diameter Pin  
 Finish Code  
 Pin Basic Part Number