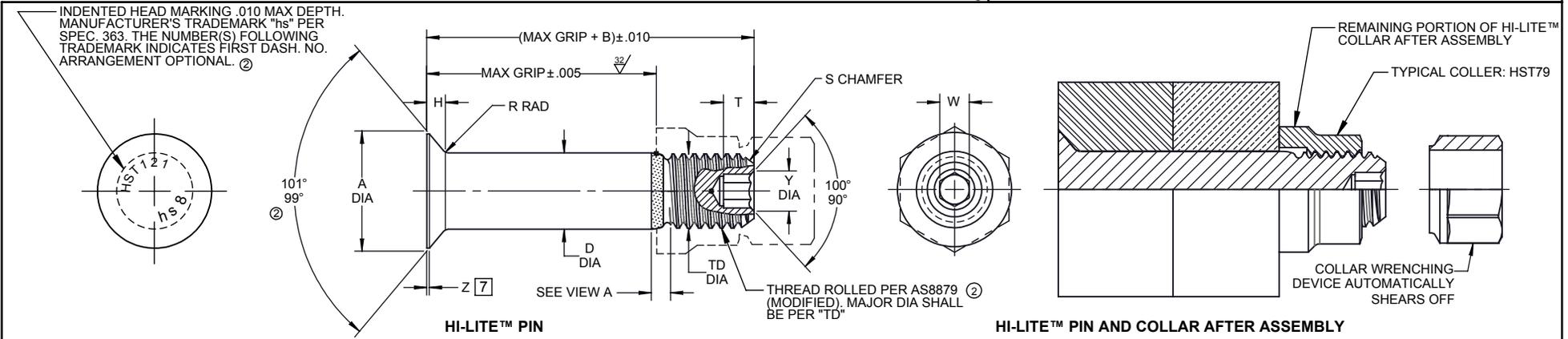


For the current list of licensed manufacturers, please visit the LISI AEROSPACE website at:
[HTTP://WWW.LISI-AEROSPACE.COM/LICENSES](http://www.lisi-aerospace.com/licenses)



FIRST DASH NO.	PIN NOM DIA	A DIA	B REF	D DIA	TD DIA	F REF	H	R RAD	Z MAX	S CHAMFER REF	THREAD MODIFIED	SOCKET			DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM
												W HEX	T DEPTH	Y DIA		
5				NOTE: USE HST21-6(-)												
6	13/64	.3813 .3765	.300	.2026 .2016	.1840 .1810	.005	.0750 .0730	.030 .020	.015	1/32" x 45°	.1900-32 UNJF-3A	.0806 .0791	.100 .080	.119 .104	6,130	3,180
8	17/64	.5066 .5018	.330	.2651 .2641	.2440 .2410	.006	.1013 .0993	.030 .020	.015	1/32" x 45°	.2500-28 UNJF-3A	.0967 .0947	.110 .090	.142 .122	10,490	5,820
10	21/64	.6335 .6287	.390	.3276 .3266	.3060 .3020	.007	.1283 .1263	.040 .030	.015	3/64" x 45°	.3125-24 UNJF-3A	.1295 .1270	.130 .110	.180 .160	16,000	9,200
12	25/64	.7604 .7556	.430	.3901 .3891	.3680 .3640	.008	.1553 .1533	.040 .030	.015	3/64" x 45°	.3750-24 UNJF-3A	.1617 .1582	.160 .140	.217 .197	22,700	14,000
14	29/64	.8884 .8812	.510	.4526 .4516	.4310 .4260	.009	.1828 .1798	.050 .040	.022	3/64" x 45°	.4375-20 UNJF-3A	.1930 .1895	.190 .170	.253 .233	30,600	18,900
16	33/64	1.0139 1.0068	.610	.5151 .5141	.4930 .4880	.010	.2093 .2063	.050 .040	.022	3/64" x 45°	.5000-20 UNJF-3A	.2242 .2207	.220 .200	.289 .269	39,600	25,600

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.
 4. Dimensions are in inches and to be met after finish.
 5. Surface texture per ASME B46.1.
 6. Hole preparation per NAS618.
 - 7 Curved or flat edge manufacturer's option.
 8. Use HST221 for oversize replacement.

CODE: First dash number indicates nominal diameter in 1/32nds of the pin which HST121 oversize pin replaces. Second dash number indicates maximum grip in 1/16ths. See Finish note for explanation of code letters.

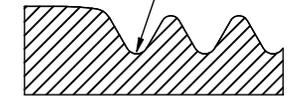
HOW TO ORDER
 ② **EXAMPLE:**

Pin Part Number
HST121PB8-8
 8/16 or 1/2 Maximum Grip Length
 8/32 or 1/4 Nominal Diameter Pin
 Finish Code
 Pin Basic Part Number

Pin and Collar Assembly Part Number Combination
HST121PB378PB8-8

Size and Grip Length, See Above Example
 Collar Part Number
 Pin 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

MATERIAL: ② Alloy steel per AMS6415, AMS6349, or AMS6322, AMS6325, AMS6327.

HEAT TREAT: 160,000-180,000 psi tensile per AMS-H-6875.

FINISH: HST121-(-)(-) = Cadmium plate per AMS-QQ-P-416, Type I, Class 2, and cetyl alcohol lube per Hi-Shear Spec. 305.
 HST121PB(-)(-) = 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 D.P.S.	DATE 1991-09-05	TITLE HI-LITE™ PIN
APPROVED J.G. WILCOX	DATE 1991-09-16	100° FLUSH MS24694 TENSION HEAD ALLOY STEEL
REVISION ②	DATE 2017-10-10	1/16 GRIP VARIATION, 1/64 OVERSIZE
		DRAWING NUMBER HST121

1 OF 1

HST121