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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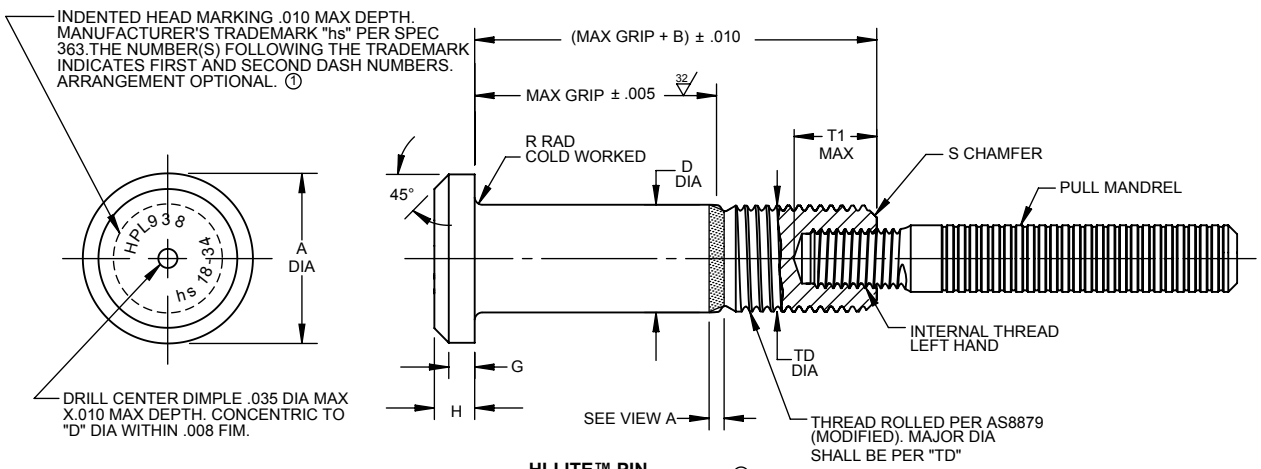
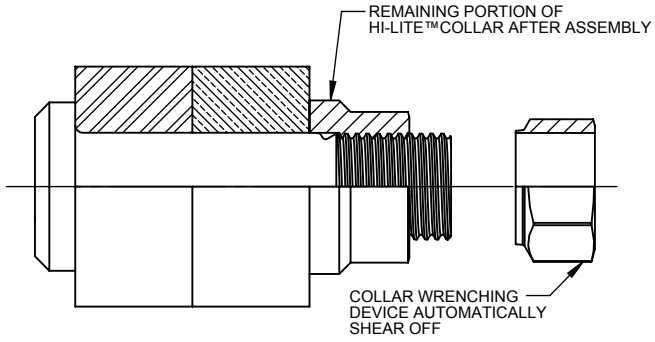
HTTP://WWW.LISI-AEROSPACE.COM/LICENSES



HI-LITE™ PIN ①

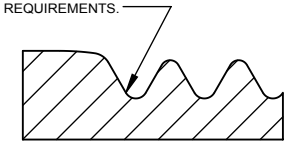


HI-LITE™ PIN AND COLLAR AFTER ASSEMBLY

FIRST DASH NO.	PIN NOM DIA	A DIA	B REF	D DIA	TD DIA	G REF	H	R RAD	S CHAMFER REF	THREAD MODIFIED	INTERNAL THREAD LEFT HAND [5]			DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM	TENSION-TENSION FATIGUE POUNDS
											T1 MAX	THREAD SIZE UNJF-2B	LOAD MAX			
18	19/32	.900 .865	.844	.5927 .5917	.5550 .5500	.125	.210 .200	.040 .025	1/16 x 45°	.5625-18 UNJF-3A	.465	5/16-SP	11,500	69,200	35,400	13,100
20	21/32	.970 .935	.935	.6552 .6542	.6180 .6120	.140	.238 .228	.040 .025	1/16 x 45°	.6250-18 UNJF-3A	.520	3/8-SP	14,200	84,600	44,800	16,600
24	25/32	1.185 1.145	1.125	.7802 .7792	.7430 .7370	.200	.335 .320	.045 030	1/16 x 45°	.7500-16 UNJF-3A	.625	7/16-SP	19,100	119,800	75,500	27,900
28	29/32	1.350 1.310	1.315	.9052 .9042	.8680 .8610	.250	.385 .370	.050 .035	5/64 x 45°	.8750-14 UNJF-3A	.725	1/2-SP	**31,500**	160,100	101,800	37,700
32	1-1/32	1.530 1.490	1.500	1.0302 1.0292	.9930 .9860	.300	.435 .420	.060 .045	5/64 x 45°	1.000-12 UNJF-3A	.830	9/16-SP	38,200	207,400	132,100	48,900

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

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



VIEW A

HI-LITE™ THREAD TRANSITION AREA. THIS AREA OF SPECIAL CONFIGURATION.

GENERAL NOTES:
1. Concentricity: "A" to "D" diameter within .010 FIM.
2. Dimensions in inches and to be met after finish.
① 3. Surface texture per ASME B46.1.
4. Hole preparation per NAS618.
① [5] The maximum allowable installation load must not exceed the maximum load values in table or thread/mandrel failure may occur.
6. Use HPL1738 for oversize replacement.

CODE: First dash number indicates nominal diameter in 1/32nds of the pin which HPL938 oversize pin replaces.
Second dash number indicates maximum grip in 1/16ths.
See "Finish" note for explanation of code letters.

HOW TO ORDER
① **EXAMPLE:**

Pin Part Number
HPL938BP18-34
- 34/16 or 17/8 Maximum Grip Length
- 18/32 or 9/16 Nominal Diameter Pin
- Finish Code
- Pin Basic Part Number

MATERIAL: Nickel Base Alloy per AMS5662.

HEAT TREAT: 125,000 psi shear minimum.

FINISH: HPL938BP( )-( ) = HI-KOTE™ 1 NC aluminum coating per Hi-Shear Spec. 294, with color blue on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305.

SPECIFICATION: HI-LITE™ Product Specification 391, except fatigue loads as tabulated.

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

DRAWN BY	DATE	TITLE
J.F.OBISPO	2004-03-15	HI-LITE™ PIN PROTRUDING TENSION HEAD NICKEL BASE ALLOY (INCONEL 718) 1/16 GRIP VARIATION, 1/32 OVERSIZE SPECIAL HIGH INTERFERENCE FIT
APPROVED	DATE	
M.CAWLEY	2004-03-15	
REVISION	DATE	DRAWING NUMBER
①	F.CARINGELLA 2017-12-11	**HPL938** 1 OF 1

HPL938