2600 SKYPARK DRIVE, TORRANCE, CALIFORNIA 90509 U.S.A

HI-SHEAR Corporation, USA a LISI AEROSPACE Company

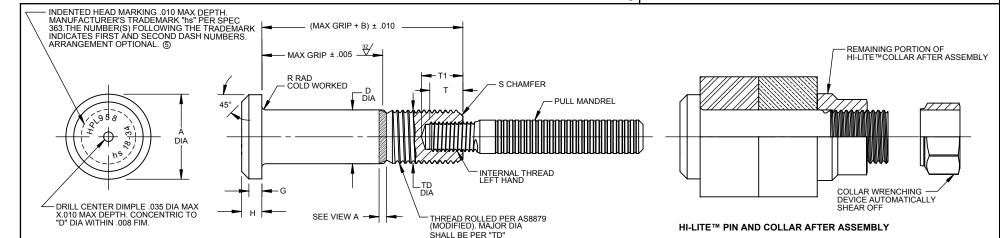
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Design Holder

CAGE No. 73197

For the current list of licensed manufacturers, please visit the LISI AEROSPACE website at:

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



FIRST	PIN NOM DIA	A DIA	B REF	D DIA	TD DIA	G REF	н	R RAD	S CHAMFER REF	THREAD MODIFIED	INTERNAL THREAD LEFT HAND			5	DOUBLE SHEAR	TENSION POUNDS	TENSION- TENSION
NO.											T MIN	T1 MAX	THREAD SIZE UNJF-2B	LOAD MAX	POUNDS MINIMUM	MINIMUM	FATIGUE POUNDS
18	19/32	.905 .870	.770	.5927 .5917	.5550 .5500	.125	.210 .200	.040 .025	1/16 x 37°	.5625-18 UNJF-3A	.280	.456	.3125-24	11,500	52,400	32,400	11,340
20	21/32	.975 .940	.825	.6552 .6542	.6180 .6120	.140	.238 .228	.040 .025	1/16 x 37°	.6250-18 UNJF-3A	.280	.456	.3125-24	11,500	64,100	41,000	14,350
24	25/32	1.185 1.145	1.050	.7802 .7792	.7430 .7370	.200	.335 .320	.045 030	1/16 x 37°	.7500-16 UNJF-3A	.305	.480	.3750-24	18,000	86,100	59,500	20,830
28	29/32	1.350 1.310	1.210	.9052 .9042	.8680 .8610	.250	.385 .370	.050 .035	5/64 x 37°	.8750-14 UNJF-3A	.325	.500	.3750-24	21,600	115,800	72,400	25,300
32	1-1/32	1.530 1.490	1.390	1.0302 1.0292	.9930 .9860	.300	.435 .420	.060 .045	5/64 x 37°	1.000-12 UNJF-3A	.380	.575	.3750-24	21,600	150,000	93,500	32,700

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



GENERAL NOTES: 1. Concentricity: "A" to "D" diameter within .010 FIM. 2. Dimensions in inches and to be met after finish.

- ⑤ 3. Surface texture per ASME B46.1.

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- 4. Hole preparation per NAS618.
- 5 The maximum allowable installation load must not exceed the maximum load values in table or thread/mandrel failure may occur.
- 6. Oversize replacement HPL758 and HPL858.
- ⑤ 7 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.

MATERIAL: 6Al-4V titanium alloy per AMS4928, AMS4967 or British Standard 2TA 28.

HEAT TREAT: 160,000 psi tensile minimum and 95,000 psi shear minimum for sizes up to 3/4.

150,000 psi tensile and 90,000 psi shear minimum for 7/8 and larger.

FINISH: ⑤ 7 HPL958AP()-() = HI-KOTE™ 1 aluminum coating per Hi-Shear Spec. 294, and cetyl alcohol lube per Hi-Shear Spec. 305.

HPL958BM()-() = HI-KOTE™ 1 NC aluminum coating per Hi-Shear Spec. 294, with color white on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305.

HI-LITE™ PIN

SPECIFICATION: HI-LITE™ Product Specification 391, except fatigue loads as tabulated. CODE: First dash number indicates nominal diameter in 1/32nds of the pin

which HPL958 oversize pin replaces. Second dash number indicates maximum grip in 1/16ths.

See "Finish" note for explanation of code letters.

VIEW A

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

HOW TO ORDER ⑤ EXAMPLE:

Pin Part Number HPL958BM18-34

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

Pin Basic Part Number

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

DRAWN BY DATE J.F.OBISPO 1998-11-18 APPROVED DATE E.E.B. 1998-12-15

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HI-LITE™ PIN PROTRUDING TENSION HEAD 6AL-4V TITANIUM ALLOY SPECIAL THREAD 1/16 GRIP VARIATION, 1/32 OVERSIZE

1 OF 1

F.CARINGELL **HPL958** 2017-12-11