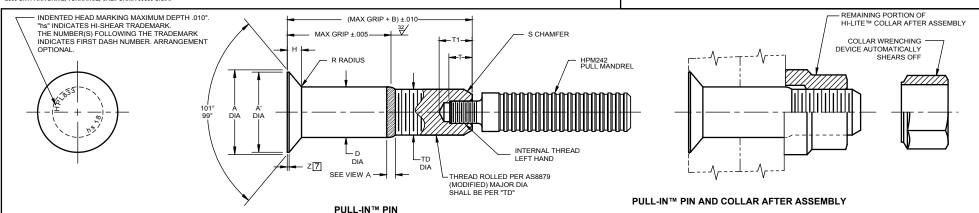
2600 SKYPARK DRIVE, TORRANCE, CALIFORNIA 90509 U.S.A.

HI-SHEAR Corporation, USA a LISI AEROSPACE Company

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



							11			[/]							
FIRST	PIN NOM	Α	A' <del>A1</del>	В	D	TD	_		R	z	S	THREAD	INTERNAL THREAD LEFT HAND			DOUBLE SHEAR	TENSION POUNDS
NO.	DIA	DIA	DIA	REF	DIA	DIA	•	"	RAD	MAX	CHAMFER REF	MODIFIED	T MIN	T1 MAX	THREAD SIZE	POUNDS I	MINIMUM
18	37/64	1.1408 1.1337	1.133 1.085	.770	.5771 .5766	.5550 .5500	.010	.2365 .2335	.050 .040	.025	1/16 x 45°	.5625-18 UNJF-3A	.280	.456	.312-24UNJF-2B	65,600	43,500
20	41/64	1.2723 1.2651	1.265 1.217	.825	.6396 .6391	.6180 .6120	.010	.2654 .2624	.050 .040	.025	1/16 x 45°	.6250-18 UNJF-3A	.280	.456	.312-24UNJF-2B	80,600	54,600

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. Hole preparation per NAS618.
- 5. Dimensions are in inches and to be met after finish.
- 6. Surface texture per ASME B46.1.
- [7] Curved or flat edge manufacturer's option.
- 8. Lead radius must be tangent to "D" diameter at maximum grip.
- 9. Use HPL843 for oversize replacement.
- 10 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: Nickel Base Alloy per AMS5662.

125,000 psi shear minimum. HEAT TREAT:

> [10] HPL833AP( )-( ) = HI-KOTE™ 1 aluminum coating per Hi-Shear Spec. 294, and cetyl alcohol lube per Hi-Shear Spec. 305. FINISH:

T0 HPL833AG( )-( ) = HI-KOTE™ 1 aluminum coating per Hi-Shear Spec. 294, color code orange on thread end, and cetyl alcohol lub lube per Hi-Shear Spec. 305.

HPL833DL( )-( ) = Kalgard FA or EM620C solid film lube per AS5272, Type I and cetyl alcohol lube per Hi-Shear Spec. 305.

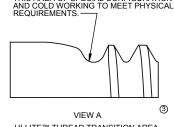
SPECIFICATION: HI-LITE™ Product Specification 391.

CODE: First dash number indicates nominal diameter in 1/32nds of the pin which HPL833 oversize replaces.

Second dash number indicates maximum grip in 1/16ths. See "Finish" note for explanation of code letters.
Code letter "A" following second dash number indicates assembly with HPM pull mandrel.

**HOW TO ORDER EXAMPLES:** 

Pin Part Number HPL833DL18-8A - Assembled with HPM Pull Mandrel (Optional) 8/16 or 1/2 Maximum Grip Length └ 18/32 or 9/16 Nominal Diameter Pin Finish Code Pin Basic Part Number



THIS AREA OF SPECIAL CONFIGURATION

HI-LITE™ THREAD TRANSITION AREA. SEE SPECIFICATION FOR INSPECTION

## "HI-KOTE", "HI-LITE", "PULL-IN" AND "HPL", ARE TRADEMARKS OF HI-SHEAR CORPORATION

DRAWN BY	DATE	TITLE
J.F.O.	1996-04-17	PULL-IN™ PIN
		100° FLUSH (MS24694) TENSION HEAD
APPROVED	DATE	NICKEL BASE ALLOY (INCONEL 718)
J. RAUSCH	1996-04-22	SPECIAL THREAD
		1/16 GRIP VARIATION, 1/64 OVERSIZE
REVISION	DATE	DRAWING NUMBER

F.CARINGELLA **HPL833** 2019-04-22

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