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

HI-SHEAR Corporation, USA a LISI AEROSPACE Company

(2)

Design Holder

CAGE No. 73197

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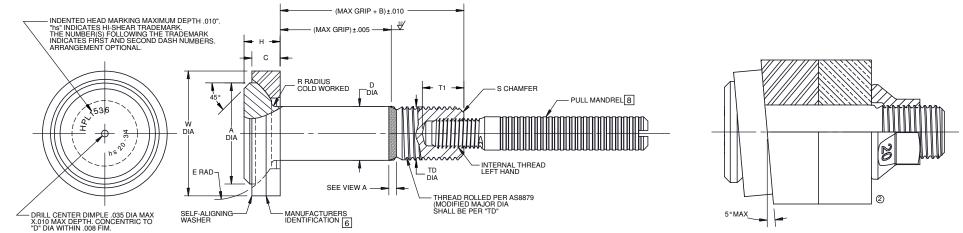


TABLE 1

PULL-IN™ PIN

EXAMPLE OF PULL-IN™ PIN AND NUT/COLLAR AFTER ASSEMBLY

IABLE	1																		
FIRST DASH NO.	PIN NOM DIA	A DIA REF	B REF	C REF	D DIA		TD	н	R	S CHAMFER	E	w	THREAD	INTERNAL THREAD LEFT HAND 5		5	DOUBLE SHEAR	TENSION POUNDS	TENSION- TENSION FATIGUE
					WITHOUT COATING OR FINISH	AFTER COATING OR FINISH	DIA	MAX	RAD	REF	RAD	DIA	MODIFIED	T1 MAX	THREAD SIZE UNJF-2B	LOAD POUNDS MAX	POUNDS MINIMUM	MINIMUM	POUNDS MAX
20	11/16	1.130	.935	.319	.6865 .6860	.6865 .6855	.6180 .6120	.406	.040 .025	1/16 X 37°	.750	1.437 1.421	.6250-18 UNJF-3A	.520	3/8-SP	14,200	70,500	38,360	13,470
24	13/16	1.291	1.125	.358	.8115 .8110	.8115 .8105	.7430 .7370	.547	.045 .030	1/16 X 37°	.875	1.689 1.673	.7500-16 UNJF-3A	.625	7/16-SP	19,109	98,600	55,600	19,400
28	15/16	1.449	1.315	.390	.9365 .9360	.9365 .9355	.8680 .8610	.634	.050 .035	5/64 X 37°	1.000	1.921 1.906	.8750-14 UNJF-3A	.725	1/2-SP	31,500	131,200	67,900	25,200
32	1-1/16	1.602	1.500	.437	1.0615 1.0610	1.0615 1.0605	.9930 .9860	.713	.060 .045	5/64 X 37°	1.125	2.134 2.118	1.0000-12 UNJF-3A	.830	9/16-SP	38,218	163,800	88,600	31,912
	<u> </u>	<u> </u>				•		<u> </u>	<u> </u>	•	<u> </u>		•		•	2	•	2	2

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

- ② GENERAL NOTES: 1. Concentricity: "A" to "D" diameter within .010 FIM.
 - 2. Dimensions in inches, to be met after finish and before solid film lubricant, where applicable.
 - 3. Surface texture per ASME B46.1.
 - 4. Hole preparation per HSL/HPL-IS01: PULL-STEM™ / PULL-IN™ fastener installation specification for HSL/HPL pins.
 - [5] The maximum allowable installation load must not exceed the maximum load values in table or thread/mandrel failure may occur.
 - 6 One line indicates Blanc Aero Industries, France as manufacturer.
 - 7. HPL1536 is the oversize replacement for HPL736.

 - 8 Mandrel is sold separately.

 9 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 the European Union.

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



VIEW A

HI-LITE™ THREAD TRANSITION AREA SEE SPECIFICATION FOR INSPECTION

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

DRAWN BY DATE F.CARINGELLA APPROVED DATE J. LO 2017-03-22

(2)

PULL-IN™ PIN SELF-ALIGNING TENSION HEAD 6AL-4V TITANIUM ALLOY SPECIAL THREAD 1/16 GRIP VARIATION, 1/16 OVERSIZE

HPL1536

1 OF 2



② FINISH:

PART DESCRIPTION	PART NUMBER	FINISH	LUBE	IDENTIFICATION	
	HPL1536BM()-()	HI-KOTE™ 1 NC ALUMINUM PIGMENTED COATING PER HI-SHEAR-SPEC: 294		WHITE COLOR ON THREAD END	
TITANIUM PIN	HPL1536KM()-()	HI-KOTE™ 1 ALUM INUM PIGMENTED COATING PER HI-SHEAR SPEC. 294	CETYL ALCOHOL LUBE PER HI-SHEAR SPEC. 305		
	HPL1536NKM()-()	HI-KOTE™ 1 NC ALUM INUM PIGMENTED COATING PER HI-SHEAR SPEC. 294			
TITANIUM	HPL1536-()APW9	HI-KOTE™ 1 ALUM INUM PIGMENTED COATING PER HI-SHEAR SPEC. 294	CETYL ALCOHOL LUBE PER	WHITE COLOR SPOT ON OUTSIDE DIAMETER	
WASHER	HPL1536-()NAPW	HI-KOTE™ 1 NC ALUM INUM PIGMENTED COATING PER HI-SHEAR SPEC. 294	HI-SHEAR SPEC. 305		

MATERIAL: Pin = 6AL-4V Titanium alloy per AMS4928, AMS4967 or British Standard 2TA 28. Washer = 6Al-4V Titanium alloy per AMS4928 or AM4967 or British Standard 2TA 28.

HEAT TREAT: Pin = 160,000 psi tensile minimum and 95,000 psi shear minimum for size up to 3/4. 150,000 psi tensile and 90,000 psi shear minimum for 7/8 and larger

Washer = 160,000 psi tensile minimum.

② SPECIFICATION: PULL-IN™ Product Specification N°412.

CODE: First dash number indicates nominal diameter in 1/32nds of the pin which HPL1536 oversize pin replaces.

Second dash number indicates maximum grip in 1/16ths. See "Finish" note for explanation of code letters.

② HOW TO ORDER

EXAMPLE: Pin-Washer Assembly Part Number HPL1536 KM 20 APW 34

└ 34/16 or 17/8 Maximum Grip Length

20/32 or 5/8 Nominal Diameter Pin

Pin Finish Code Pin Basic Part Number