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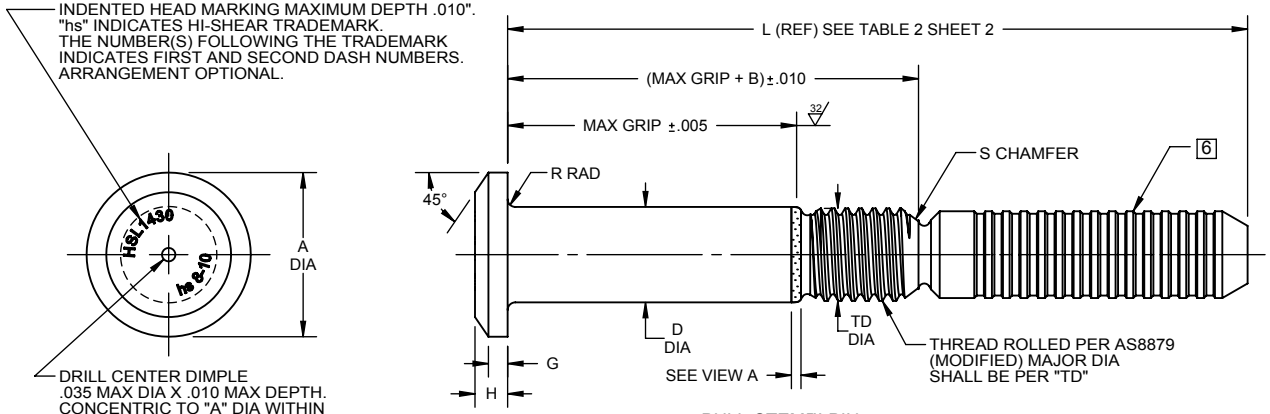
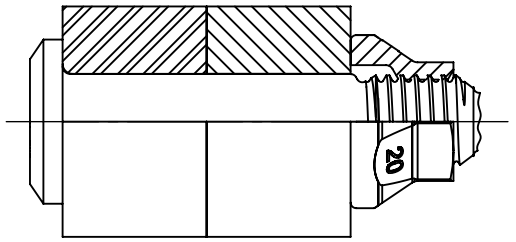
HTTP://WWW.LISI-AEROSPACE.COM/LICENSES

①



PULL-STEM™ PIN

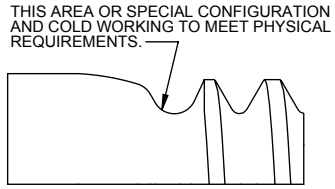


PULL-STEM™ PIN AND NUT/COLLAR AFTER ASSEMBLY

TABLE 1

FIRST DASH NO.	PIN NOM DIA	A DIA	B REF	D DIA	TD DIA	G REF	H	R RAD	S CHAMFER REF	THREAD MODIFED	DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM	TENSION-TENSION FATIGUE POUNDS MAX
8	9/32	.460 .435	.330	.2807 .2797	.2440 .2410	.045	.090 .080	.025 .015	1/32 X 45°	.2500-28 UNJF-3A	15,500	7,750	2,800
10	11/32	.520 .490	.390	.3432 .3422	.3060 .3020	.055	.112 .102	.030 .020	3/64 X 45°	.3125-24 UNJF-3A	23,200	12,605	4,420
12	13/32	.620 .585	.430	.4057 .4047	.3680 .3640	.075	.140 .130	.030 .020	3/64 X 45°	.3750-24 UNJF-3A	32,400	19,176	6,840
14	15/32	.695 .660	.495	.4682 .4672	.4310 .4260	.095	.160 .150	.030 .020	3/64 X 45°	.4375-20 UNJF-3A	43,100	25,815	9,270
16	17/32	.790 .755	.535	.5307 .5297	.4930 .4880	.095	.188 .178	.030 .020	3/64 X 45°	.5000-20 UNJF-3A	55,400	34,300	12,300

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



VIEW A

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

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 HSL/HPL-IS01: PULL-STEM™ / PULL-IN™ fastener installation specification for HSL/HPL pins.
5. HSL1430 is the oversize replacement for HSL1420.
[6] Coating and lube not mandatory on pintail.
7. Product in accordance with LISI AEROSPACE Product Specification N°415

CODE: First dash number indicates nominal diameter in 1/32nds of the pin which HSL1430 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
HSL1430NAP8-8
- 8/16 or 1/2 Maximum Grip Length
- 8/32 or 1/4 Nominal Diameter Pin
- Finish Code
- Pin Basic Part Number

MATERIAL: Pin = Nickel base alloy (Inconel 718) per AMS5662 or AMS5962.

HEAT TREAT: Pin = 220,000 psi tensile minimum and 125,000 psi shear minimum.

FINISH: HSL1430NAP( )-( ) = HI-KOTE™1 NC aluminum pigmented coating per Hi-Shear Spec. 294, and cetyl alcohol lube per Hi-Shear Spec. 305.

"HI-KOTE", "HI-LITE", "PULL-STEM" AND "HSL", ARE TRADEMARKS OF HI-SHEAR CORPORATION

DRAWN BY	DATE
F.CARINGELLA	2016-02-15
APPROVED	DATE
C.REITZ	2016-02-15
REVISION	DATE
①	F.CARINGELLA 2017-10-27

TITLE
PULL-STEM™ PIN
PROTRUDING TENSION HEAD
BREAK STEM, INTERFERENCE FIT
NICKEL BASE ALLOY (INCONEL 718)
1/16 GRIP VARIATION, 1/32 OVERSIZE

DRAWING NUMBER
HSL1430

HSL1430

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TABLE 2

SECOND DASH NUMBER	L REF				
	-8 DIA.	-10 DIA.	-12 DIA.	-14 DIA.	-16 DIA.
1	-	-	-	-	-
2	1.000	-	-	-	-
3	1.125	1.250	-	-	-
4	1.250	1.375	1.375	-	-
5	1.375	1.500	1.500	1.625	-
6	1.500	1.625	1.625	1.750	1.750
7	1.625	1.750	1.750	1.875	1.875
8	1.750	1.875	1.875	2.000	2.000
9	1.875	2.000	2.000	2.125	2.125
10	2.000	2.125	2.125	2.250	2.250
11	2.125	2.250	2.250	2.375	2.375
12	2.250	2.375	2.375	2.500	2.500
13	2.375	2.500	2.500	2.625	2.625
14	2.500	2.625	2.625	2.750	2.750
15	2.625	2.750	2.750	2.875	2.875
16	2.750	2.875	2.875	3.000	3.000
17	2.875	3.000	3.000	3.125	3.125
18	3.000	3.125	3.125	3.250	3.250
19	3.125	3.250	3.250	3.375	3.375
20	3.250	3.375	3.375	3.500	3.500
21	3.375	3.500	3.500	3.625	3.625
22	3.500	3.625	3.625	3.750	3.750
23	3.625	3.750	3.750	3.875	3.875
24	3.750	3.875	3.875	4.000	4.000
25	-	4.000	4.000	4.125	4.125
26	-	4.125	4.125	4.250	4.250
27	-	4.250	4.250	4.375	4.375
28	-	4.375	4.375	4.500	4.500
29	-	-	4.500	4.625	4.625
30	-	-	4.625	4.750	4.750
31	-	-	4.750	4.875	4.875
32	-	-	4.875	5.000	5.000
33	-	-	5.000	5.125	5.125
34	-	-	5.125	5.250	5.250
35	-	-	5.250	5.375	5.375
36	-	-	5.375	5.500	5.500
37	-	-	5.500	5.625	5.625
38	-	-	5.625	5.750	5.750
39	-	-	5.750	5.875	5.875
40	-	-	5.875	6.000	6.000
41	-	-	6.000	6.125	6.125
42	-	-	6.125	6.250	6.250
43	-	-	6.250	6.375	6.375
44	-	-	6.375	6.500	6.500