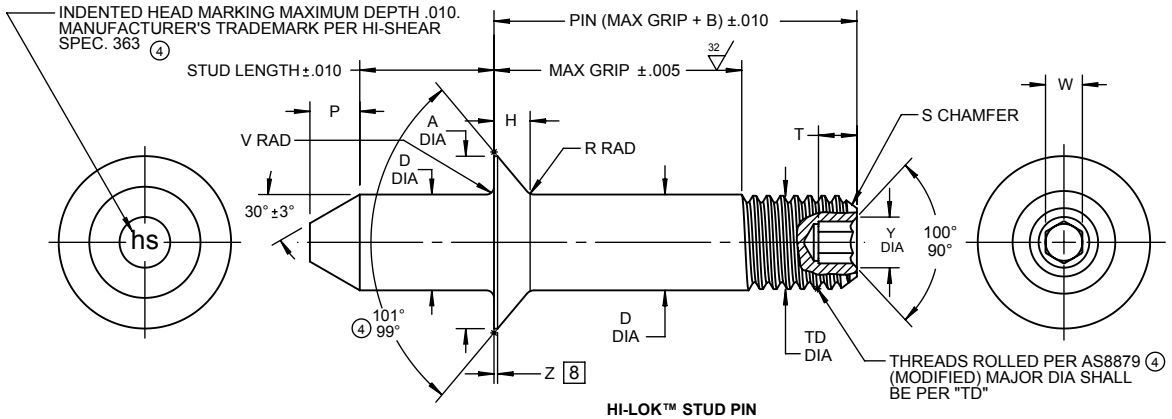
lisi AEROSPACE
hi-shear corporation
2600 SKYPARK DRIVE, TORRANCE, CALIFORNIA 90509 U.S.A.

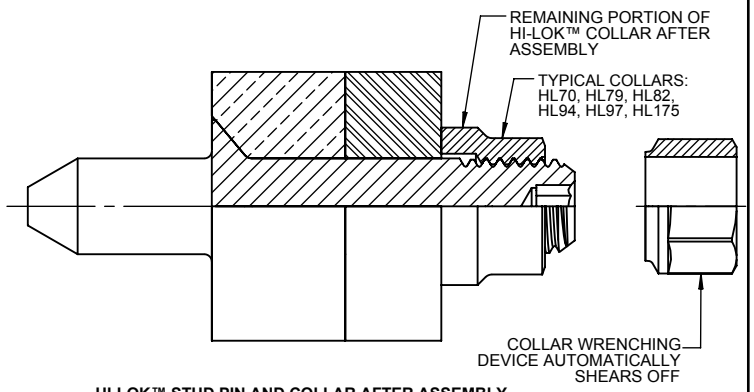
HI-SHEAR Corporation, USA
a LISI AEROSPACE Company
Design Holder
CAGE No. 73197

For the current list of licensed manufacturers, please visit the LISI AEROSPACE website at:
HTTP://WWW.LISI-AEROSPACE.COM/LICENSES

④



HI-LOK™ STUD PIN



HI-LOK™ STUD PIN AND COLLAR AFTER ASSEMBLY

1 8 ④

FIRST DASH NO.	NOM DIA	A DIA	B REF	D DIA WITHOUT SOLID FILM LUBE	D DIA WITH SOLID FILM LUBE	TD DIA	F	H	P	R RAD	V RAD	Z MAX	S CHAMFER REF	THREAD MODIFIED	SOCKET W HEX	SOCKET T DEPTH	SOCKET Y DIA	DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM
5	5/32	.2612 .2564	.312	.1635 .1630	.1635 .1625	.1595 .1570	.004	.041 .039	.062 .030	.025 .015	.025 .015	.010	1/32 x 45°	.1640-32 UNJC-3A	.0801 .0791	.100 .080	7	4,010	1,750
6	3/16	.3016 .2966	.325	.1895 .1890	.1895 .1885	.1840 .1810	.005	.047 .045	.095 .063	.030 .020	.025 .015	.015	1/32 x 45°	.1900-32 UNJF-3A	.0806 .0791	.100 .080	.119 .104	5,380	2,000
8	1/4	.3948 .3898	.395	.2495 .2490	.2495 .2485	.2440 .2410	.006	.061 .059	.125 .093	.030 .020	.025 .015	.015	1/32 x 45°	.2500-28 UNJF-3A	.0967 .0947	.110 .090	.142 .122	9,300	3,700
10	5/16	.4739 .4689	.500	.3120 .3115	.3120 .3110	.3060 .3020	.007	.068 .066	.155 .123	.040 .030	.030 .020	.015	3/64 x 45°	.3125-24 UNJF-3A	.1295 .1270	.130 .110	.180 .160	14,600	5,500
12	3/8	.5604 .5554	.545	.3745 .3740	.3745 .3735	.3680 .3640	.008	.078 .076	.187 .155	.040 .030	.030 .020	.015	3/64 x 45°	.3750-24 UNJF-3A	.1617 .1582	.160 .140	.217 .197	21,000	7,200

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

GENERAL NOTES:
1. Head edge out of roudness shall not exceed "F".
2. Concentricity: "A" to "D" diameter within .010 FIR.
3. "H" dimensioned from maximum "D" diameter.
④ 4. Dimensions are in inches and to be met after finish.
④ 5. Surface texture per ASME B46.1.
6. Hole preparation per NAS618.
7. Evidence of broken edge across points.
8. Curved or flat edge manufacturer's option.

MATERIAL: A-286 high temperature alloy per Spec. AMS5737 or AMS5731.

HEAT TREAT: 160,000 psi tensile minimum at 70°F.

FINISH:
HL429-( )-( ) = Passivate per Hi-Shear Spec. 258, and cetyl alcohol lube per Hi-Shear Spec. 305.
④ HL429DL-( )-( ) = Solid film lube per AS5272, Type I, and cetyl alcohol lube per Hi-Shear Spec. 305
④ HL429DU-( )-( ) = Solid film lube per AS5272, Type I.

SPECIFICATION: HI-LOK™ Product Specification 342.

CODE: First dash number indicates nominal diameter in 1/32nds,
Second dash number indicates maximum grip in 1/16ths.
Third dash number indicates stud length in 1/16ths.
See Finish note for explanation of code letters.

HOW TO ORDER
④ **EXAMPLE:** Stud Pin Part Number
HL429DL-8-8-4
- 4/16 or 1/4 Stud Length
- 8/16 or 1/2 Maximum Grip Length
- 8/32 or 1/4 Nominal Diameter Pin
- Finish Code
- Pin Basic Part Number

~~Stud Pin and Collar Assembly Part Number Combination~~
~~HL42970-8-8-4~~
- ~~Size and grip length, see above example~~
- ~~Collar Part Number~~
- ~~Pin Basic Part Number~~

"HI-LOK", "HL", AND "HI-KOTE", ARE TRADEMARKS OF HI-SHEAR CORPORATION

DRAWN BY	DATE	TITLE
VAN	1971-07-27	HI-LOK™ STUD PIN 100° FLUSH SHEAR HEAD A-286 HIGH TEMPERATURE ALLOY 1/16 GRIP VARIATION
APPROVED R. TING	DATE 1971-07-29	
REVISION ④	DATE F.CARINGELLA 2017-11-08	DRAWING NUMBER **HL429** 1 OF 1

HL429