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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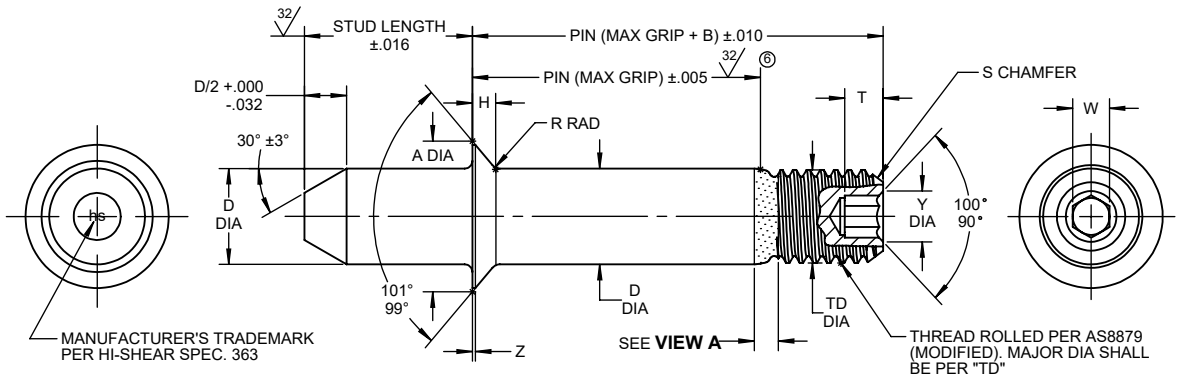
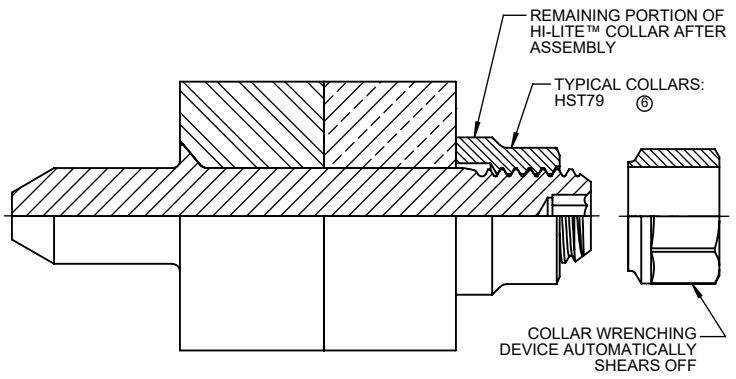


HI-LITE™ STUD PIN

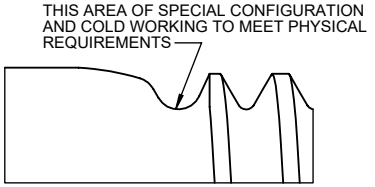


HI-LITE™ STUD PIN AND COLLAR AFTER ASSEMBLY

[1]

FIRST DASH NO.	PIN NOM DIA	A DIA	B REF	D DIA WITHOUT COATING	D DIA WITH COATING	TD DIA	F	H REF	R RAD	Z	S CHAMFER REF	THREAD MODIFIED	SOCKET W HEX	SOCKET T DEPTH	SOCKET Y DIA	DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM
5	5/32	.285 .255	.280	.1635 .1630	.1635 .1625	.1595 .1570	.010	.045	.025 .015	.010 .005	1/32 x 45°	.1640-32 UNJC-3A	.0801 .0791	.080 .065	.104 .094	5,280	1,700
6	3/16	.322 .292	.290	.1895 .1890	.1895 .1885	.1840 .1810	.010	.050	.030 .020	.010 .005	1/32 x 45°	.1900-32 UNJF-3A	.0806 .0791	.100 .080	.119 .104	7,060	2,600
8	1/4	.416 .384	.320	.2495 .2490	.2495 .2485	.2440 .2410	.012	.063	.030 .020	.015 .005	1/32 x 45°	.2500-28 UNJF-3A	.0967 .0947	.110 .090	.142 .122	12,260	4,400
10	5/16	.501 .468	.380	.3120 .3115	.3120 .3110	.3060 .3020	.014	.072	.040 .030	.015 .005	3/64 x 45°	.3125-24 UNJF-3A	.1295 .1270	.130 .110	.180 .160	19,160	7,000
12	3/8	.587 .554	.420	.3745 .3740	.3745 .3735	.3680 .3640	.016	.082	.040 .030	.015 .005	3/64 x 45°	.3750-24 UNJF-3A	.1617 .1582	.160 .140	.217 .197	27,600	10,000

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



VIEW A

HI-LITE™ THREAD TRANSITION AREA
SEE SPECIFICATION FOR INSPECTION

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. Dimensions are in inches and to be met after finish.
5. Surface texture per ASME B46.1.
6. Hole preparation per NAS618.
⑥ [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 the UK and European Union.

MATERIAL: Nickel Base Alloy per AMS5662.

HEAT TREAT: 125,000 psi shear minimum.

⑥FINISH: HST34-( )-( ) = Passivate per AMS2700, Method 1, Type 8, Class 1and cetyl alcohol per Hi-Shear Spec. 305.

[7] HST34AG( )-( ) = HI-KOTE™ 1or HI-KOTE™ 1 NC aluminum pigmented coating per Hi-Shear Spec. 294, color orange on thread end and cetyl alcohol lube per Hi-Shear Spec. 305.

SPECIFICATION: HI-LITE™ Product Specification 380.

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

HOW TO ORDER EXAMPLE:
Threaded Stud Pin Part Number
HST34AG-6-8-8
- 8/16 or 1/2 Stud End Grip in 16ths
- 8/16 or 1/2 Pin Maximum Grip
- 3/16 Nominal Diameter Pin
- Finish Code
- Pin Basic Part Number

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

DRAWN BY	DATE	TITLE
J.R.H	1996-07-01	HI-LITE™ STUD PIN 100° FLUSH SHEAR HEAD NICKEL BASE ALLOY (INCONEL 718) 1/16 GRIP VARIATION
APPROVED	DATE	
D.W.	1996-07-01	
REVISION	DATE	DRAWING NUMBER
⑥	C.Artos 2023-04-07	HST34 1 OF 1

HST34