

VIEW A

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

FIRST DASH NO.	PIN NOM DIA	A DIA	B REF	D DIA		TD DIA	G REF	H	R RAD	S CHAMFER REF	THREAD MODIFIED	ASTER™ RECESS			DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM
				WITHOUT ALUMINUM COATING	WITH ALUMINUM COATING							RECESS SIZE CODE	T1 DEPTH MAX	T DEPTH MIN		
5	NOTE: USE HSTR112()6-()															
6	7/32	.390 .370	.300	.2182 .2177	.2182 .2172	.1840 .1810	.035	.074 .064	.025 .015	1/32 X 37°	.1900-32 UNJF-3A	A5L-06	.116	.069	7,100	3,180
7	NOTE: USE HSTR12()8-()															
8	9/32	.460 .435	.330	.2807 .2802	.2807 .2797	.2440 .2410	.045	.090 .080	.025 .015	1/32 X 37°	.2500-28 UNJF-3A	A5L-08	.118	.069	11,800	5,820
10	11/32	.520 .490	.390	.3432 .3427	.3432 .3422	.3060 .3020	.055	.112 .102	.030 .020	3/64 X 37°	.3125-24 UNJF-3A	A5L-10	.127	.070	17,600	9,200
12	13/32	.620 .590	.430	.4057 .4052	.4054 .4047	.3680 .3640	.075	.140 .130	.030 .020	3/64 X 37°	.3750-24 UNJF-3A	A5L-12	.147	.087	24,600	14,000
14	15/32	.695 .660	.510	.4682 .4677	.4682 .4672	.4310 .4260	.095	.160 .150	.030 .020	3/64 X 37°	.4375-20 UNJF-3A	A5L-14	.196	.116	32,700	18,900
16	17/32	.790 .755	.610	.5307 .5302	.5307 .5297	.4930 .4880	.095	.188 .178	.030 .020	3/64 X 37°	.5000-20 UNJF-3A	A5L-16	.236	.139	42,000	25,600

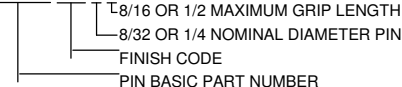
1. CONCENTRICITY: "A" DIAMETER TO "D" DIAMETER WITHIN .010 FIM.
2. DIMENSIONS ARE IN INCHES AND TO BE MET AFTER FINISH.
3. SURFACE TEXTURE PER ANSI B46.1.
4. HOLE PREPARATION PER NAS618.
5. REMOVED
6. US PATENT 6632057; OTHER US & FOREIGN PATENTS GRANTED AND PENDING PROPERTY OF LISI AEROSPACE.
7. BROACH PETALS REMOVED.
8. OVERSIZE REPLACEMENT FOR HSTR112.
9. NO IDENTIFICATION COLORANT IS ALLOWED IN THE ASTER™ RECESS.

HI-LITE™ PRODUCT SPECIFICATION 410.
ASTER™ RECESS PER A5L-QA02.

FIRST DASH NUMBER INDICATES NOMINAL DIAMETER IN 1/32NDS OF THE PIN WHICH HSTR412 OVERSIZE PIN REPLACES.
SECOND DASH NUMBER INDICATES MAXIMUM GRIP IN 1/16THS. SEE FINISH NOTE FOR EXPLANATION OF CODE LETTERS.

PIN PART NUMBER ONLY

HSTR412 NKJ 8-8



② **HEAT TREAT:** 160,000 PSI TENSILE MINIMUM (95,000 PSI SHEAR MINIMUM FOR SIZES UP TO 3/4).

HSTR412NKK(-)(-) = SULFURIC ACID ANODIZING PER ISO8080 AND HI-KOTE™ 1 NC ALUMINUM PIGMENTED COATING PER HI-SHEAR SPEC. 294 ON THREADS ONLY WITH COLOR SILVER ON THREAD END AND CETYL ALCOHOL LUBE PER HI-SHEAR SPEC. 305.

HSTR412NKL(-) = HI-KOTE™ 1 NC ALUMINUM PIGMENTED COATING PER HI-SHEAR SPEC. 294 ON THREADS ONLY WITH COLOR SILVER ON THREAD END AND CETYL ALCOHOL LUBE PER HI-SHEAR SPEC. 305.

"HI-LITE", "HSTR", AND "HI-KOTE",
ARE TRADEMARKS OF HI-SHEAR CORPORATION.
ASTER™ IS A TRADEMARK OF LISI AEROSPACE.

DRAWN BY F. CARINGELLA		DATE 11/03/14	TITLE HI-LITE™ PIN, ASTER™ RECESS PROTRUDING TENSION HEAD TITANIUM 1/16 GRIP VARIATION, 1/32 OVERSIZE
APPROVED		DATE 11/03/14	
C. REITZ			
REVISION ②	DATE F.C. 3/30/16	DRAWING NUMBER HSTR412 1 OF 1	

HSTR412