



FIRST DASH NO.	PIN NOM DIA	A DIA	B REF	D DIA	TD DIA	F	H	R RAD	Z MAX	S CHAMFER REF	THREAD MODIFIED	SOCKET			DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM
												W HEX	T DEPTH	Y DIA		
5	5/32	.3393 .3308	.280	.1635 .1625	.1595 .1570	.004	.0410 .0390	.025 .015	.012	1/32 x 45°	.1640-32 UNJC-3A	.0801 .0791	.100 .080	.104 .094	4,010	1,650
6	3/16	.3911 .3825	.290	.1895 .1885	.1840 .1810	.005	.0470 .0450	.030 .020	.015	1/32 x 45°	.1900-32 UNJF-3A	.0806 .0791	.100 .080	.119 .104	5,380	2,000
8	1/4	.5111 .5026	.320	.2495 .2485	.2440 .2410	.006	.0610 .0590	.030 .020	.015	1/32 x 45°	.2500-28 UNJF-3A	.0967 .0947	.110 .090	.142 .122	9,300	3,700
10	5/16	.6037 .5951	.380	.3120 .3110	.3060 .3020	.007	.0680 .0660	.040 .030	.015	3/64 x 45°	.3125-24 UNJF-3A	.1295 .1270	.130 .110	.180 .160	14,600	5,000
12	3/8	.7090 .7005	.420	.3745 .3735	.3680 .3640	.008	.0780 .0760	.040 .030	.015	3/64 x 45°	.3750-24 UNJF-3A	.1617 .1582	.160 .140	.217 .197	21,000	7,200
14	7/16	.8526 .8419	.485	.4370 .4360	.4310 .4260	.009	.0969 .0944	.050 .040	.020	3/64 x 45°	.4375-20 UNJF-3A	.1930 .1895	.190 .170	.253 .233	28,600	10,000

- GENERAL NOTES:**
- Head edge out of roundness shall not exceed "F".
 - Concentricity: Conical surface of head to "D" diameter within .005 FIR.
 - "H" is dimensioned from maximum "D" diameter.
 - Dimensions are in inches and to be met after finish.
 - Surface texture per ASME B46.1.
 - Hole preparation per NAS618.
 - Curved or flat edge manufacturer's option.

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

HOW TO ORDER

EXAMPLE: Pin Part Number
 HST311PB-8-8

8/16 or 1/2 Maximum Grip Length
 8/32 or 1/4 Nominal Diameter Pin
 Finish Code
 Pin Basic Part Number

Pin and Collar Assembly Part Number Combination
 HST31171-8-8

Size and grip length, See Above Example
 Collar Part Number
 Pin Part Number

- MATERIAL:** Alloy steel per AMS6415, AMS6484, AMS6349, AMS6382 or, AMS6322, AMS6325.
- HEAT TREAT:** 95,000 psi shear minimum (160,000-180,000 psi tensile per AMS-H-6875).
- FINISH:** HST311PB-()-() = Cadmium plate per AMS-QQ-P-416, Typ II, Class 2, and cetyl alcohol lube per Hi-Shear Spec. 305.

SPECIFICATION: HI-LITE™ Product Specification 380.

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

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



VIEW A

HI-LITE™ THREAD TRANSITION AREA
 SEE SPECIFICATION FOR INSPECTION

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

DRAWN BY D.P.S.	DATE 1992-02-04	TITLE HI-LITE™ PIN 130° FLUSH CROWN SHEAR HEAD ALLOY STEEL 1/16 GRIP VARIATION
APPROVED A. BROWN	DATE 1992-02-10	DRAWING NUMBER HST311
REVISION 1	DATE K. TRAN 2017-10-16	1 OF 1