

FIRST DASH NO.	PIN NOM DIA	A DIA	B REF	DIA DIA	TD DIA	F REF	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				NOTE: USE HST121-6-()												
6	7/32	.3813 .3765	.300	.2182 .2172	.1840 .1810	.005	.0684 .0664	.030 .020	.015	1/32 x 45°	.1900-32 UNJF-3A	.0806 .0791	.100 .080	.119 .104	7,100	3,180
8	9/32	.5066 .5018	.330	.2807 .2797	.2440 .2410	.006	.0948 .0928	.030 .020	.015	1/32 x 45°	.2500-28 UNJF-3A	.0967 .0947	.110 .090	.142 .122	11,800	5,820
10	11/32	.6335 .6287	.390	.3432 .3422	.3060 .3020	.007	.1218 .1198	.040 .030	.015	3/64 x 45°	.3125-24 UNJF-3A	.1295 .1270	.130 .110	.180 .160	17,600	9,200
12	13/32	.7604 .7556	.430	.4057 .4047	.3680 .3640	.008	.1488 .1468	.040 .030	.015	3/64 x 45°	.3750-24 UNJF-3A	.1617 .1582	.160 .140	.217 .197	24,600	14,000
14	15/32	.8884 .8812	.510	.4682 .4672	.4310 .4260	.009	.1763 .1733	.050 .040	.022	3/64 x 45°	.4375-20 UNJF-3A	.1930 .1895	.190 .170	.253 .233	32,700	18,900
16	17/32	1.0139 1.0068	.610	.5307 .5297	.4930 .4880	.010	.2027 .1997	.050 .040	.022	3/64 x 45°	.5000-20 UNJF-3A	.2242 .2207	.220 .200	.289 .269	42,000	25,600

- GENERAL NOTES:**
- Head edge out of roundness shall not exceed "F".
 - Concentricity: Conical surface of head to "D" diameter within .005 FIM.
 - "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.
 - Oversize replacement for HST21 and HST121.

MATERIAL: Alloy steel per AMS6415, AMS6349, or AMS-S-6049.

HEAT TREAT: 160,000-180,000 psi tensile per AMS-H-6875.

FINISH: HST221-(-)(-) = Cadmium plate per AMS-QQ-P-416, Type I, Class 2, and cetyl alcohol lube per Hi-Shear Spec. 305.
HST221PB(-)(-) = Cadmium plate per AMS-QQ-P-416, Type II, Class 2, 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 of the pin which HST221 oversize pin replaces. Second dash number indicates maximum grip in 1/16ths. See Finish note for explanation of code letters.

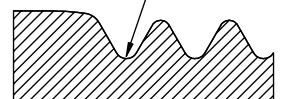
HOW TO ORDER

EXAMPLE:

Pin Part Number
HST221PB8-8
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
HST221PB378PB8-8
Size and Grip Length,
See Above Example
Collar Part Number
Pin Part Number

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 J.F. OBISPO		DATE 2001-06-12	
APPROVED -		DATE -	
REVISION 1		DATE K. TRAN 2017-10-10	
TITLE HI-LITE™ PIN		100° FLUSH MS24694 TENSION HEAD ALLOY STEEL 1/16 GRIP VARIATION, 1/32 OVERSIZE	
DRAWING NUMBER HST221		1 OF 1	