



HI-LITE™ PIN

HI-LITE™ PIN AND COLLAR AFTER ASSEMBLY

FIRST DASH NO.	PIN NOM DIA	A DIA	B REF	D DIA	TD DIA	G REF	H	R RAD	S CHAMFER REF	THREAD MODIFIED	SOCKET			DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM
											W HEX	T DEPTH	Y DIA		
5				NOTE: USE HST18-6(-)											
6	7/32	.315 .295	.300	.2182 .2172	.1840 .1810	.025	.055 .045	.025 .015	1/32 x 45°	.1900-32 UNJF-3A	.0806 .0791	.100 .080	.119 .104	7,100	2,500
8	9/32	.412 .387	.330	.2807 .2797	.2440 .2410	.030	.069 .059	.025 .015	1/32 x 45°	.2500-28 UNJF-3A	.0967 .0947	.110 .090	.142 .122	11,800	4,300
10	11/32	.505 .475	.390	.3432 .3422	.3060 .3020	.035	.078 .068	.030 .020	3/64 x 45°	.3125-24 UNJF-3A	.1295 .1270	.130 .110	.180 .160	17,600	6,300
12	13/32	.600 .565	.430	.4057 .4047	.3680 .3640	.040	.088 .078	.030 .020	3/64 x 45°	.3750-24 UNJF-3A	.1617 .1582	.160 .140	.217 .197	24,600	8,700
14	15/32	.676 .641	.495	.4682 .4672	.4310 .4260	.045	.105 .093	.030 .020	3/64 x 45°	.4375-20 UNJF-3A	.1930 .1895	.190 .170	.253 .233	32,700	12,100
16	17/32	.770 .735	.535	.5307 .5297	.4930 .4880	.050	.116 .103	.030 .020	3/64 x 45°	.5000-20 UNJF-3A	.2242 .2207	.220 .200	.289 .269	42,000	15,300

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

- GENERAL NOTES:**
- Concentricity: "A" to "D" diameter within .010 FIM.
 - Dimensions are in inches and to be met after finish.
 - Surface texture per ASME B46.1.
 - Hole preparation per NAS618.
 - Non-lube pins must be used with wet sealant or with lubed collar.

CODE: First dash number indicates nominal diameter in 1/32nds which HST218 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
HST218PB8-8
└─ 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
HST218PB84-8-8

└─ Size and Grip Length, See Above Example
└─ Collar Part Number
└─ Pin Finish
└─ Pin Part Number

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

DRAWN BY	DATE	TITLE HI-LITE™ PIN PROTRUDING SHEAR HEAD ALLOY STEEL 1/16 GRIP VARIATION, 1/32 OVERSIZE
DEPT	1990-08-30	
APPROVED	DATE	DRAWING NUMBER HST218
DAW	1990-08-30	
REVISION	DATE	1 OF 1
3	K. TRAN 2017-11-21	

SPECIFICATION: HI-LITE™ Product Specification 380.