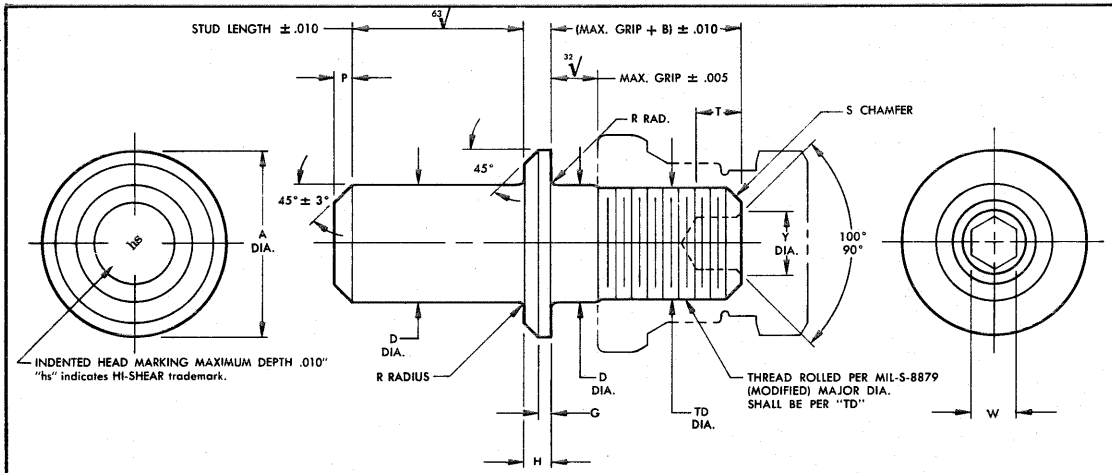
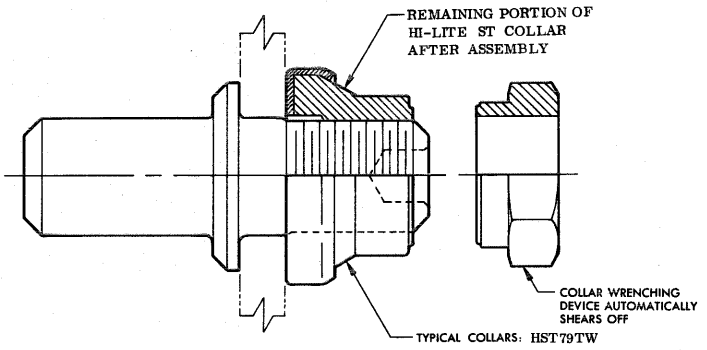
hi-shear CORPORATION
2600 SKYPARK DRIVE
TORRANCE, CALIFORNIA 90509
AREA CODE 213 • 775-3181 • 326-8110



HI-LITE®ST™ STUD PIN



HI-LITE®ST™ STUD PIN AND COLLAR AFTER ASSEMBLY

	FIRST DASH NO.	NOM. DIA.	A DIA.	B REF.	D DIA.	TD DIA.	G REF.	H	P	R RAD.	S CHAMFER REF.	THREAD	SOCKET W HEX.	SOCKET T DEPTH	SOCKET Y DIA.	DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM
②	–6	3/16	.315 .295	.290	.1895 .1885	.1840 .1810	.025	.055 .045	.038 .022	.020 .010	1/32" x 45°	10-32UNJF-3A Modified	.0806 .0791	.100 .080	.119 .104	5,380	2,500
②	–8	1/4	.412 .387	.320	.2495 .2485	.2440 .2440	.030	.069 .059	.048 .032	.020 .010	1/32" x 45°	1/4-28UNJF-3A Modified	.0967 .0947	.110 .090	.142 .122	9,300	4,300
	–10	5/16	.505 .475	.380	.3120 .3110	.3060 .3020	.035	.078 .068	.058 .042	.020 .010	3/64" x 45°	5/16-24UNJF-3A Modified	.1295 .1270	.130 .110	.180 .160	14,600	6,300

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

GENERAL NOTES:
1. Concentricity: "A" to "D" diameter within .010 FIR.
2. Dimensions to be met after finish.
3. Surface texture per ANSI B46.1.
4. Hole preparation per NAS618.

MATERIAL: Alloy steel per Spec. MIL-S-5000, MIL-S-5626 or MIL-S-6049.

HEAT TREAT: 95,000 psi shear minimum (160,000–180,000 psi tensile per Spec. MIL-H-6875).

② FINISH: HST338PA-( )-( )-( ) = Cadmium plate per QQ-P-416, Type II, Class 2, color orange on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305.
HST338PB-( )-( )-( ) = Cadmium plate per 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.
Second dash number indicates maximum grip in 1/16ths.
Third dash number indicates stud length in 1/16ths.

HOW TO ORDER
EXAMPLE: Stud Pin Part Number Only
HST338PB-10-2-8
- 8/16 or 1/2 Stud Length
- 2/16 or 1/8 Maximum Grip Length
- 10-32 or 5/16 Nominal Diameter Pin
- Stud Pin Finish
- Pin Part Number

DRAWN	DATE	TITLE
D.P.S.	3-22-83	HI-LITE®ST™ STUD PIN PROTRUDING SHEAR HEAD ALLOY STEEL 1/16" GRIP VARIATION
APPROVED	DATE	
JG Wilcox	3-23-83	
REVISION	DATE	DRAWING NUMBER
②	D.P.S. 3-20-90	HST338

HST338

2-1599136