

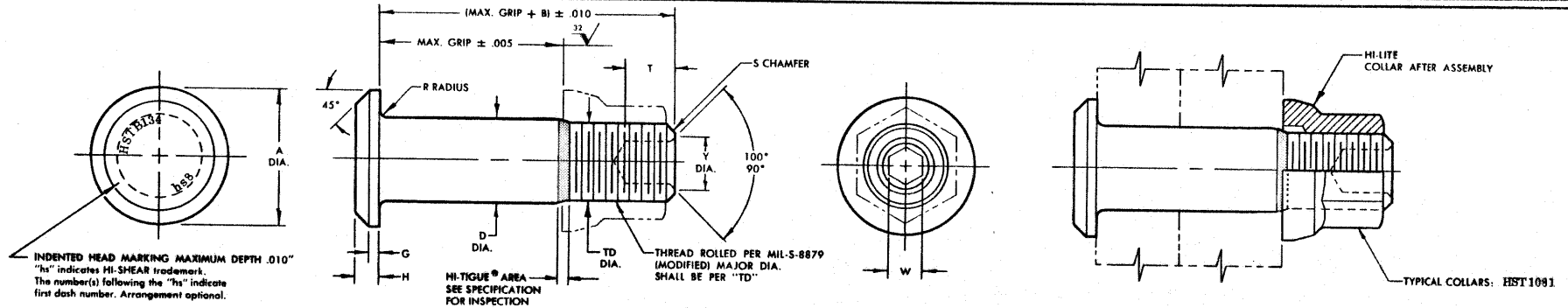
**hi-shear**  
CORPORATION

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"CAGE" = Commercial And Government Entity

HI-SHEAR CORPORATION, U.S.A. (Patent Holder) CAGE No. 73197  
Division of Hi-Shear Industries, Inc., U.S.A.  
AIR INDUSTRIES CO., INC. (Licensee - U.S. & Canada) CAGE No. 06725  
SPS TECHNOLOGIES, U.S.A. (Licensee) CAGE No. 56878  
HI-SHEAR FASTENERS EUROPE LTD., U.K. (Licensee) CAGE No. 0LB68  
Division of Hi-Shear Industries, Inc., U.S.A.

HUCK INTERNATIONAL GmbH & Co. Germany (Licensee-EEC Countries)  
SIMMONDS S.A. France (Licensee-EEC Countries-Collars)  
St-CHAMOND GRANAT S.A. France (Licensee-EEC Countries)  
TOKYO SCREW COMPANY, Japan (Licensee-Japan)  
941103



HI-LITE ST™ / HI-TIGUE® PIN

HI-LITE ST™ / HI-TIGUE® PIN AND COLLAR ASSEMBLY

FIRST DASH NO.	NOM. DIA.	A DIA.	B REF.	D DIA.	TD DIA.	G REF.	H	R RAD.	S CHAMFER REF.	THREAD	SOCKET			DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM
											W HEX.	T DEPTH	Y DIA.		
4	1/8	.250	.260	.1375	.1335	.020	.042	.020	1/32° x 45°	6-32UNJC-3A	.0645	.090	.090	3,230	1,500
		.230		.1385	.1310			.032		.010	Modified	.0635	.070		
5	5/32	.262	.280	.1635	.1595	.020	.047	.025	1/32° x 45°	8-32UNJC-3A	.0801	.100	.104	4,560	2,200
		.242		.1625	.1570			.037		.015	Modified	.0791	.080		
6	3/16	.315	.290	.1895	.1840	.025	.055	.025	1/32° x 45°	10-32UNJF-3A	.0806	.100	.119	6,100	2,900
		.295		.1885	.1810			.045		.015	Modified	.0791	.080		
8	1/4	.412	.320	.2495	.2440	.030	.069	.025	1/32° x 45°	1/4-28UNJF-3A	.0967	.110	.142	10,600	5,100
		.387		.2485	.2410			.059		.015	Modified	.0947	.090		
10	5/16	.505	.380	.3120	.3060	.035	.078	.030	3/64° x 45°	5/16-24UNJF-3A	.1295	.130	.180	18,600	7,100
		.475		.3110	.3020			.068		.020	Modified	.1270	.110		
12	3/8	.600	.420	.3745	.3680	.040	.088	.030	3/64° x 45°	3/8-24UNJF-3A	.1617	.160	.217	23,900	9,800
		.565		.3735	.3640			.078		.020	Modified	.1582	.140		

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 plating.
3. Surface texture per ANSI B46.1.
4. Hole preparation per NAS618.
5. Use HSTB234 for oversize replacement.

MATERIAL:

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

HEAT TREAT:

108,000 psi shear minimum (180,000-200,000 psi tensile per MIL-H-6875).

FINISH:

HSTB134-( ) = Cadmium plate per QQ-P-416, Type II, Class 2, and cetyl alcohol lube per Hi-Shear Spec. 305.

③ 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.  
See Finish note for explanation of code letters.

HOW TO ORDER EXAMPLES:

Pin Part Number Only

HSTB134-8-8

8/16 or 1/2 Maximum Grip Length

8/32 or 1/4 Nominal Diameter

Pin Part Number

Pin and Collar Assembly Part Number Combination

HSTB1341081-8-8

Size and Grip Length, See Above Example

Collar Part Number

Pin Part Number

U.S. Patents 3,578,367; 4,326,825 and 4,485,510. Other U.S. and foreign patents pending. "Hi-Lite" and "Hi-Tigue" are registered trademarks and "Hi-Lite ST" is a trademark of Hi-Shear Corporation.

DRAWN D.P.S.	DATE 12-7-82	TITLE <b>HI-LITE ST™ / HI-TIGUE® PIN</b>
APPROVED R.Ting	DATE 12-8-82	PROTRUDING SHEAR HEAD ALLOY STEEL 1/16" GRIP VARIATION
REVISION ③	DATE J.F.Obispo 10-10-94	DRAWING NUMBER <b>HSTB134</b>