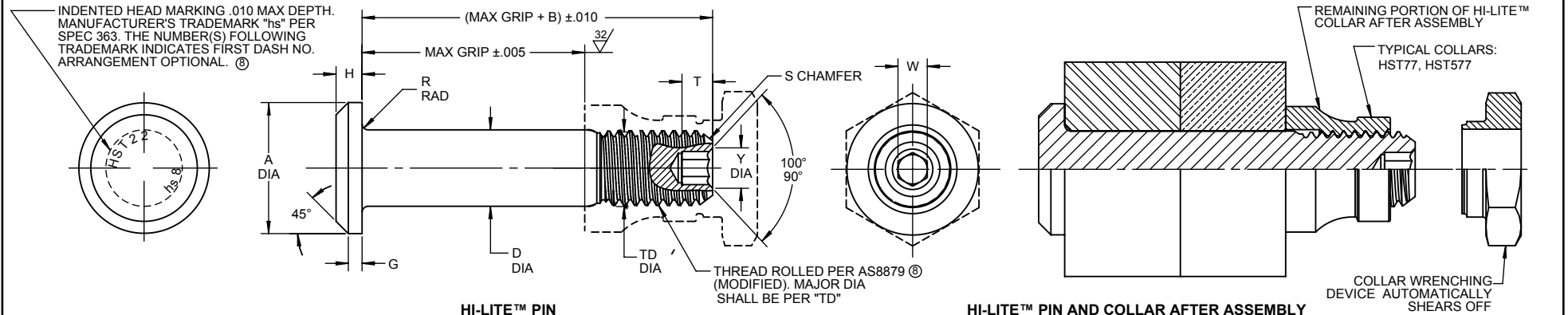




FIRST DASH NO.	PIN NOM DIA	A DIA	B REF	D DIA	TD DIA	G REF	H	R RAD	S CHAMFER REF	THREAD MODIFIED	SOCKET			DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM
											W HEX	T DEPTH	Y DIA		
5	5/32	.262 .242	.280	.1635 .1625	.1595 .1570	.030	.060 .045	.025 .015	1/32 x 45°	.1640-32 UNJC-3A	.0645 .0635	.090 .070	.090 .075	1,760	940
6	3/16	.315 .295	.290	.1895 .1885	.1840 .1810	.035	.074 .055	.025 .015	1/32 x 45°	.1900-32 UNJF-3A	.0806 .0791	.100 .080	.119 .104	2,540	1,240
8	1/4	.412 .387	.320	.2495 .2485	.2440 .2410	.045	.090 .080	.025 .015	1/32 x 45°	.2500-28 UNJF-3A	.0967 .0947	.110 .090	.142 .122	4,500	2,170
10	5/16	.505 .475	.380	.3120 .3110	.3060 .3020	.055	.110 .100	.030 .020	3/64 x 45°	.3125-24 UNJF-3A	.1295 .1270	.130 .110	.180 .160	7,050	3,020
12	3/8	.600 .565	.420	.3745 .3735	.3680 .3640	.065	.135 .125	.030 .020	3/64 x 45°	.3750-24 UNJF-3A	.1617 .1582	.160 .140	.217 .197	10,100	4,370
14	7/16	.676 .641	.485	.4370 .4360	.4310 .4260	.075	.155 .145	.030 .020	3/64 x 45°	.4375-20 UNJF-3A	.1930 .1895	.190 .170	.253 .233	13,800	6,000
16	1/2	.770 .735	.525	.4995 .4985	.4930 .4880	.085	.180 .170	.030 .020	3/64 x 45°	.5000-20 UNJF-3A	.2242 .2207	.220 .200	.289 .269	18,000	7,600

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

- GENERAL NOTES:**
1. Concentricity: "A" to "D" diameter within .010 FIM.
 - ②. Dimensions are in inches and to be met after finish.
 - ③. Surface texture per ASME B46.1.
 4. Hole preparation per NAS618.
 5. Use HST122 for oversize replacement.

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
③ **EXAMPLE:**

Pin Part Number
HST22DU8-8
└─ 8/16 or 1/2 Maximum Grip Length
└─ 8/32 or 1/4 Nominal Diameter Pin
└─ Finish Code
└─ Pin Basic Part Number

MATERIAL: ③ 7075 aluminum alloy per AMS-QQ-A-225/9 or QQ-A-430.

HEAT TREAT: ③ Age to T6 condition per AMS2770.

FINISH: HST22-()-() = Anodize per MIL-A-8625, dye color natural, and cetyl alcohol lube per Hi-Shear Spec. 305.
③ HST22DU-()-() = Anodize per MIL-A-8625, and solid film lube per AS5272, Type I.
HST22EY-()-() = Anodize per MIL-A-8625, dye color yellow, and cetyl alcohol lube per Hi-Shear Spec. 305.
HST22TT-()-() = Anodize per MIL-A-8625, dye color natural, and TRANSLUBE.

SPECIFICATION: HI-LITE™ Product Specification 380.

Pin and Collar Assembly Part Number Combination
HST22DU778-8
└─ Size and Grip Length, See Above Example
└─ Collar Part Number
└─ Pin Finish
└─ Pin Part Number

"HI-LITE", "HL", AND "HI-KOTE", ARE TRADEMARKS OF HI-SHEAR CORPORATION		
DRAWN BY S. PRAPHSICS	DATE 1983-10-04	TITLE HI-LITE™ PIN PROTRUDING SHEAR HEAD ALUMINUM ALLOY 1/16 GRIP VARIATION
APPROVED E.E. BEELES	DATE 1983-10-04	
REVISION ③	DATE K. TRAN 2017-11-21	DRAWING NUMBER HST22