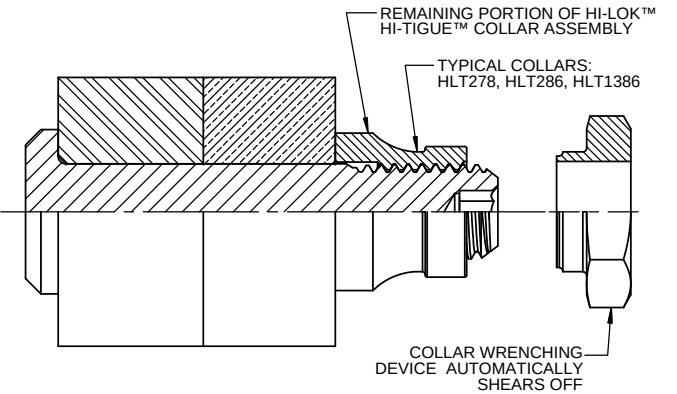
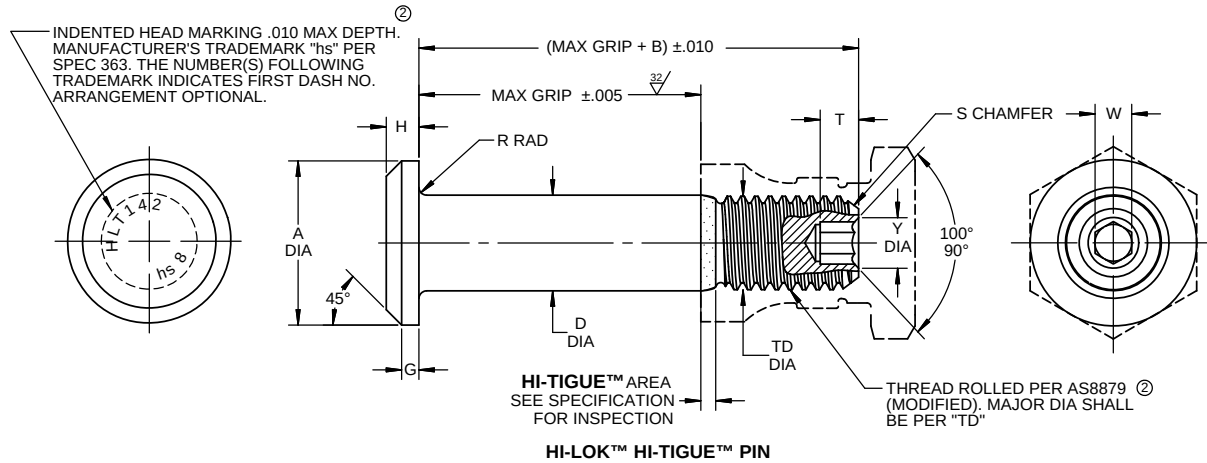




SEE COLLAR STANDARDS
FOR COLLAR STRENGTHS.
LOWER STRENGTH (PIN OR
COLLAR) DETERMINES
SYSTEM STRENGTH

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
				WITHOUT HI-KOTE™ LUBE	WITH HI-KOTE™ LUBE							W HEX	T DEPTH	Y DIA		
5				NOTE: Use HLT42-6												
6	13/64	.377 .357	.360	.2026 .2021	.2026 .2016	.1840 .1810	.035	.074 .064	.025 .015	1/32 x 45°	.1900-32 UNJF-3A	.0806 .0791	.100 .080	.119 .104	6,130	2,750
8	17/64	.440 .415	.435	.2651 .2646	.2651 .2641	.2440 .2410	.045	.090 .080	.025 .015	1/32 x 45°	.2500-28 UNJF-3A	.0967 .0947	.110 .090	.142 .122	10,490	5,820
10	21/64	.505 .475	.545	.3276 .3271	.3276 .3266	.3060 .3020	.055	.112 .102	.030 .020	3/64 x 45°	.3125-24 UNJF-3A	.1295 .1270	.130 .110	.180 .160	16,000	9,200
12	25/64	.600 .565	.590	.3901 .3896	.3901 .3891	.3680 .3640	.075	.140 .130	.030 .020	3/64 x 45°	.3750-24 UNJF-3A	.1617 .1582	.160 .140	.217 .197	22,700	14,000
14	29/64	.676 .641	.690	.4526 .4521	.4526 .4516	.4310 .4260	.095	.160 .150	.030 .020	3/64 x 45°	.4375-20 UNJF-3A	.1930 .1895	.190 .170	.253 .233	30,600	18,900
16	33/64	.770 .735	.740	.5151 .5146	.5151 .5141	.4930 .4880	.095	.188 .178	.030 .020	3/64 x 45°	.5000-20 UNJF-3A	.2242 .2207	.220 .200	.289 .269	39,600	25,500
18	37/64	.877 .842	.825	.5771 .5766	.5771 .5761	.5550 .5500	.125	.210 .200	.040 .025	1/16 x 45°	.5625-18 UNJF-3A	.2555 .2520	.260 .240	.326 .306	49,700	32,400

"HI-LOK", "HI-TIGUE", AND "HI-KOTE",
ARE TRADEMARKS OF HI-SHEAR CORPORATION

DRAWN BY VAN	DATE 1972-06-12	TITLE HI-LOK™ HI-TIGUE™ PIN PROTRUDING TENSION HEAD A-286 HIGH TEMPERATURE ALLOY 1/16 GRIP VARIATION, 1/64 OVERSIZE
APPROVED JGWILCOX	DATE 1972-06-16	
REVISION ②	DATE M.BEARD 2017-10-23	DRAWING NUMBER HLT142

GENERAL NOTES:

1. Concentricity: "A" to "D" diameter within .010 FIR.

2. Surface texture per ASME B46.1.

3. Hole preparation per NAS618.

4. Use HLT242 for oversize replacement.

5. Dimensions are in inches.

MATERIAL:

A-286 high temperature alloy per AMS5731 or AMS5737.

HEAT TREAT:

95,000 psi shear minimum at 70°F.

FINISH:

HLT142()-() = Passivate per Hi-Shear Spec. 258, and cetyl alcohol lube per Hi-Shear Spec. 305.

HLT142TB()-() = HI-KOTE™ 2 solid film lube and cetyl alcohol lube per Hi-Shear Spec. 305.

HLT142HK()-() = HI-KOTE™ 4 NC aluminum coating per Hi-Shear Spec. 397.

SPECIFICATION:

HI-LOK™ HI-TIGUE™ Product Specification 342 and 342-2.

CODE:

First dash number indicates nominal diameter in 1/32nds of the pin which HLT142 oversize 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

HLT142TB8-8

8/16 or 1/2 Maximum Grip Length

Replaces 8/32 or 1/4 Nominal Diameter Pin

Finish Code

Pin Basic Part Number

HLT142286-8-8

Size and Grip Length, See Above Example

Collar Part Number

Pin Part Number

HLT142