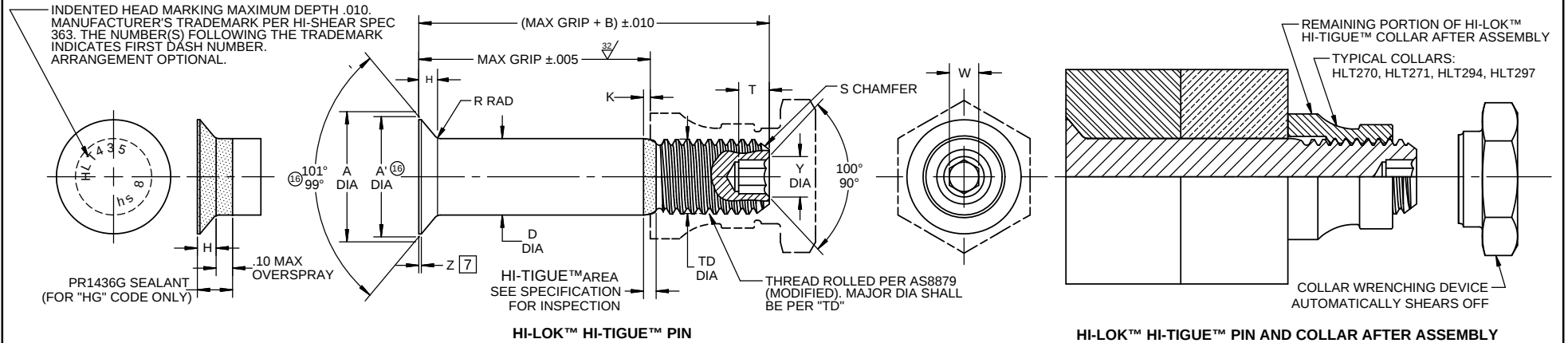


(16)

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8																				1				7											
FIRST DASH NO.	PIN NOM DIA	A DIA	A' DIA MIN	B REF	D DIA		TD DIA	F	H	K REF	R RAD	Z MAX	S CHAMFER REF	THREAD MODIFIED	SOCKET			DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM																
					WITHOUT COATING OR SOLID FILM LUBE	AFTER COATING OR SOLID FILM LUBE									W HEX	T DEPTH	Y DIA																		
5	3/16						NOTE: USE HLT335-6-() or HLT451-6-()																												
6	13/64	.3016 .2966	.270	.360	.2026 .2021	.2026 .2016	.1840 .1810	.005	.0415 .0394	.020	.030 .020	.015	1/32 x 37°	.1900-32 UNJF-3A	.0806 .0791	.100 .080	.119 .104	6,130	2,000																
8	17/64	.3948 .3898	.363	.435	.2651 .2646	.2651 .2641	.2440 .2410	.006	.0544 .0523	.025	.030 .020	.015	1/32 x 37°	.2500-28 UNJF-3A	.0967 .0947	.110 .090	.142 .122	10,490	3,700																
10	21/64	.4739 .4689	.442	.545	.3276 .3271	.3276 .3266	.3060 .3020	.007	.0614 .0593	.031	.040 .030	.015	3/64 x 37°	.3125-24 UNJF-3A	.1295 .1270	.130 .110	.180 .160	16,000	5,000																
12	25/64	.5604 .5554	.529	.590	.3901 .3896	.3901 .3891	.3680 .3640	.008	.0714 .0693	.037	.040 .030	.015	3/64 x 37°	.3750-24 UNJF-3A	.1617 .1582	.160 .140	.217 .197	22,700	7,200																
14	29/64	.6680 .6620	.620	.690	.4526 .4521	.4526 .4516	.4310 .4260	.009	.0904 .0879	.039	.050 .040	.022	3/64 x 37°	.4375-20 UNJF-3A	.1930 .1895	.190 .170	.253 .233	30,600	10,000																
16	33/64	.7540 .7480	.706	.740	.5151 .5146	.5151 .5141	.4930 .4880	.010	.1002 .0977	.045	.050 .040	.022	3/64 x 37°	.5000-20 UNJF-3A	.2242 .2207	.220 .200	.289 .269	39,600	13,500																
18	37/64	.8380 .8310	.790	.825	.5771 .5766	.5771 .5761	.5550 .5500	.010	.1094 .1065	.043	.050 .040	.022	1/16 x 37°	.5625-18 UNJF-3A	.2555 .2520	.260 .240	.326 .306	49,700	17,000																
20	41/64	.9250 .9180	.877	.890	.6396 .6391	.6396 .6386	.6180 .6120	.010	.1197 .1168	.045	.050 .040	.022	1/16 x 37°	.6250-18 UNJF-3A	.2555 .2520	.260 .240	.326 .306	61,000	21,000																
24	49/64	1.0970 1.0850	1.049	1.115	.7646 .7641	.7646 .7636	.7430 .7370	.012	.1394 .1344	.045	.050 .040	.022	1/16 x 37°	.7500-16 UNJF-3A	.3185 .3150	.330 .300	.398 .378	87,200	30,700																

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

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

DRAWN BY VAN	DATE 1969-03-17	TITLE HI-LOK™ HI-TIGUE™ PIN 100° FLUSH SHEAR HEAD TITANIUM 1/16 GRIP VARIATION, 1/64 OVERSIZE
APPROVED MILLER	DATE 1969-03-19	
REVISION (16)	DATE M.BEARD 2017-05-16	DRAWING NUMBER HLT435

- GENERAL NOTES:
- 1

Head edge out of roundness shall not exceed "F".
- 2

Concentricity: Conical surface of head to "D" diameter within .005 FIR.
- 3

"H" is dimensioned from maximum "D" diameter.
- 4

Surface texture per ASME B46.1.
- 5

Dimensions are in inches and to be met after finish.
- 6

Hole preparation per NAS618.
- 7

Curved or flat edge manufacturer's option.
- 8

Maximum "D" diameter may be increased by .0002 to allow for aluminum coating application.
- 9

Use HLT635 for oversize replacement.
- 10

After February, 21st of 2015, HI-KOTE™ 1 aluminum pigmented coating per Hi-Shear Spec. 294 will be replaced by REACH compliant HI-KOTE™ 1 NC aluminum pigmented coating per Hi-Shear Spec. 294 on fasteners coated in European Union.

MATERIAL:

6Al-4V titanium alloy per AMS4928 or AMS4967.

HEAT TREAT:

95,000 psi shear minimum.

- FINISH:
- 10

HLT435(-)(-) = Cetyl alcohol lube per Hi-Shear Spec. 305.
- 10

HLT435AP(-)(-) = HI-KOTE™ 1 aluminum coating per Hi-Shear Spec. 294 and cetyl alcohol lube per Hi-Shear Spec. 305.
- 10

HLT435AZ(-)(-) = HI-KOTE™ 1 aluminum coating per Hi-Shear Spec. 294, color black on thread end and cetyl alcohol lube per Hi-Shear Spec. 305.
- HLT435BJ(-)(-) = I.V.D. aluminum coating per MIL-DTL-83488, Type II, Class 3, and cetyl alcohol lube per Hi-Shear Spec. 305.
- HLT435FB(-)(-) = Grit blast top of head and cetyl alcohol lube per Hi-Shear Spec. 305.
- HLT435FW(-)(-) = Grit blast top of head, HI-KOTE™ 2 solid film lube on threads only per Hi-Spec. 292, with color black on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305.
- HLT435HG(-)(-) = I.V.D. aluminum coating per MIL-DTL-83488, Type II, Class 3, and apply precoat No. PR1436G sealant (.002-.005 thick), and cetyl alcohol lube per Hi-Shear Spec. 305.
- HLT435TA(-)(-) = Ti-Shield IIIA or Tiodize Type II, HI-KOTE™ 2 solid film lube per Hi-Shear Spec. 292 and cetyl alcohol lube per Hi-Shear Spec. 305.
- HLT435TB(-)(-) = HI-KOTE™ 2 solid film lube per Hi-Shear Spec.292, and cetyl alcohol lube per Hi-Shear Spec. 305.
- HLT435YT(-)(-) = Grit blast top of head, color black on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305.
- 10

HLT435HK(-)(-) = HI-KOTE™ 4 NC aluminum coating per Hi-Shear Spec. 397.

SPECIFICATION:

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

CODE:

First dash number indicates nominal diameter in 1/32nds of the pin which HLT435 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
HLT435TB8-8

