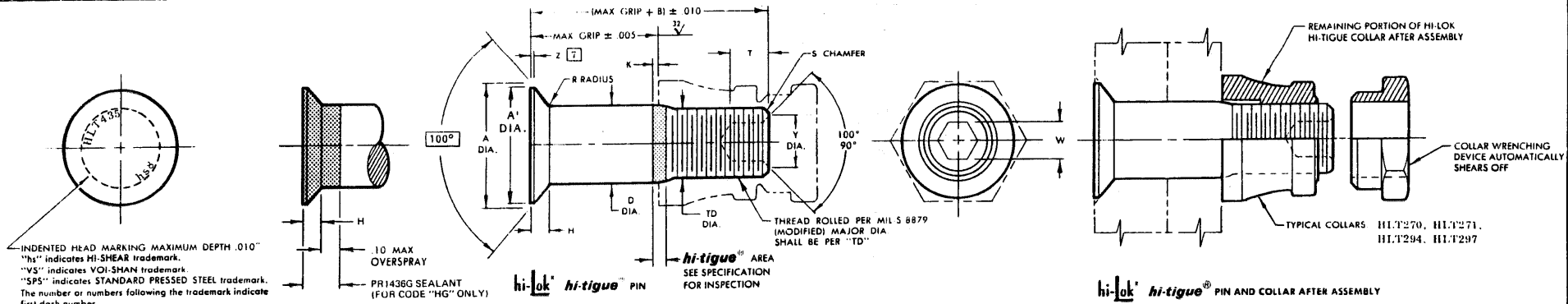


**STANDARDS COMMITTEE FOR
HI-LOK® HI-TIGUE® PRODUCTS**
2600 SKYPARK DRIVE, TORRANCE, CALIFORNIA 90509

HI-SHEAR CORPORATION U.S.A. (Patent Holder) U.S. Federal Code 10 No. 73197	HI-SHEAR FASTENERS EUROPE LTD. U.K. (Licenses)
Division of Hi-Shear Industries Inc. U.S.A. (Licenses) U.S. Federal Code 10 No. 05225	Division of Hi-Shear Industries Inc. U.S.A. (Licenses) -EEC Countries
AM INDUSTRIES CO. INC. (Licenses) U.S. Federal Code 10 No. 97928	KANAKA-NECHE Germany (Licenses)
DULFSCH FASTENER INC. (Licenses) U.S. Federal Code 10 No. 58878	Rudolph Kalleman GmbH & Co. (Licenses)
SPS TECHNOLOGIES U.S.A. (Licenses) U.S. Federal Code 10 No. 92215	ST. CHAMOND LORAIN, S.A. France (Licenses) -EEC Countries
VSI SHAN Division of VSI Corp. U.S.A. (Licenses) U.S. Federal Code 10 No. 40516	SIMMONDS S.A. France (Licenses) -EEC Countries
WEST COAST AEROSPACE INC. U.S.A. (Licenses) Pat. & Steel Colors	Colora (Licenses)
	TOKYO SCREW COMPANY Japan (Licenses)



FIRST DASH NO.	NOM. DIA.	A DIA.	A' DIA. MIN.	B REF.	D DIA. [8]		TD DIA.	F	H	K REF.	R RAD.	Z MAX.	S CHAMFER REF.	THREAD	SOCKET			DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM	
					WITH CETYL ALCOHOL	WITH COATING OR SOLID FILM LUBE									W HEX.	T DEPTH	Y DIA.			
-5					NOTE: USE HLT335-6 or HLT451-6															
-6	13/64	.3016 .2966	.270	.360	.2026 .2021	.2026 .2016	.1840 .1810	.005		.0415 .0394	.020 .020	.030 .020	.015	1/32" x 37°	10-32UNJF-3A Modified	.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 .020	.030 .020	.015	1/32" x 37°	1/4-28UNJF-3A Modified	.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 .030	.040 .030	.015	3/64" x 37°	5/16-24UNJF-3A Modified	.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 .030	.040 .030	.015	3/64" x 37°	3/8-24UNJF-3A Modified	.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 .040	.050 .040	.022	3/64" x 37°	7/16-20UNJF-3A Modified	.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 .040	.050 .040	.022	3/64" x 37°	1/2-20UNJF-3A Modified	.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 .040	.050 .040	.022	1/16" x 37°	9/16-18UNJF-3A Modified	.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 .040	.050 .040	.022	1/16" x 37°	5/8-18UNJF-3A Modified	.2520 .240	.260 .240	.306 .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 .040	.050 .040	.022	1/16" x 37°	3/4-16UNJF-3A Modified	.3185 .3150	.330 .300	.398 .378	87,200	30,700

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

- GENERAL NOTES:**
- Head edge out of roundness shall not exceed "F".
 - Concentricity: Conical surface of head to "D" diameter within .005 FIR.
 - "H" dimensioned from maximum "D" diameter.
 - Surface texture per ANSI B46.1.
 - Hole preparation per NAS618.
 - Use HLT635 for oversize replacement.
 - Curved or flat edge manufacturer's option.
 - Maximum "D" diameter may be increased by .0002 to allow for coating application.

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

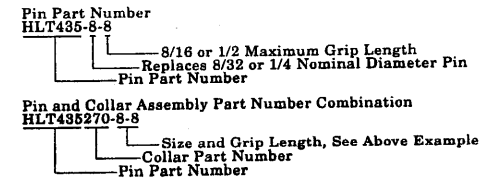
HEAT TREAT: 95,000 psi shear minimum.

- FINISH:**
- HLT435(-)(-) = Bright clean per Hi-Shear Spec. 211, and cetyl alcohol lube per Hi-Shear Spec. 305.
 - HLT435AP(-)(-) = Hi-Kote 1 aluminum coating per Hi-Shear Spec. 294, and cetyl alcohol lube per Hi-Shear Spec. 305.
 - HLT435AZ(-)(-) = Hi-Kote 1 aluminum coating per Hi-Shear Spec. 294, with color black on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305.
 - HLT435BJ(-)(-) = I.V.D. aluminum coating per MIL-C-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-Shear Spec. 292, with color black on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305.

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 EXAMPLES:



DRAWN DATE Van 3-17-69		TITLE HI-LOK® / HI-TIGUE® PIN 100° FLUSH SHEAR HEAD TITANIUM 1/16" GRIP VARIATION - 1/64" OVERSIZE	
APPROVED DATE J. Miller 3-19-69		DRAWING NUMBER HLT435	
REVISION (12)	DATE D.P.S. 8-11-92		

© 1992, Hi-Shear Corporation

HLT435