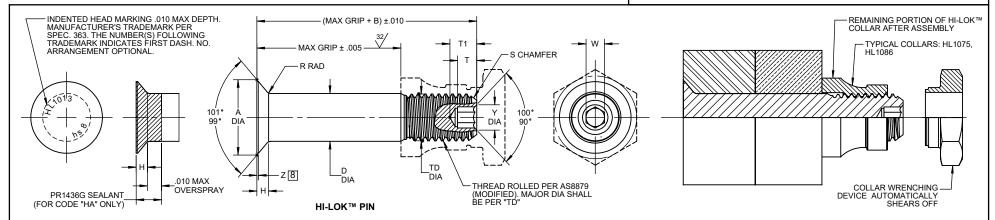
2600 SKYPARK DRIVE, TORRANCE, CALIFORNIA 90509 U.S.A.

HI-SHEAR Corporation, USA a LISI AEROSPACE Company

Design Holder

CAGE No. 73197

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HI-LOK™ PIN AND COLLAR AFTER ASSEMBLY

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

							7		1											0
		FIRST		A DIA	B REF	D DIA							•		SOCKET				DOUBLE	TENSION
		DASH NO.				WITHOUT COATING OR SOLID FILM	AFTER COATING OR SOLID FILM	T D DIA	F REF	Н	R RAD	Z MAX	S CHAMFER REF	THREAD MODIFIED	W	T DEPTH	T1 DEPTH MAX	Y DIA	SHEAR POUNDS MINIMUM	POUNDS MINIMUM
		5	5/32	.3304 .3256	.312	.1635 .1630	.1635 .1625	.1595 .1570	.004	.0700 .0680	.025 .015	.010	1/32 x 37°	.1640-32 UNJC-3A	.0801 .0791	.100 .080	.140	æ	4,010	2,180
		6	3/16	.3813 .3765	.325	.1895 .1890	.1895 .1885	.1840 .1810	.005	.0805 .0785	.030 .020	.015	1/32 x 37°	.1900-32 UNJF-3A	.0806 .0791	.100 .080	.140	.119 .104	5,380	3,180
	20	7	7/32	.4452 .4378	.355	.2182 .2177	.2182 .2172	.2100 .2070	.006	.0950 .0930	.030 .020	.015	1/32 x 37°	.2160-28 UNJF-3A	.0806 .0791	.100 .080	.140	.119 .104	7,110	4,280
		8	1/4	.5066 .5018	.395	.2495 .2490	.2495 .2485	.2440 .2410	.006	.1080 .1060	.030 .020	.015	1/32 x 37°	.2500-28 UNJF-3A	.0967 .0947	.110 .090	.160	.142 .122	9,300	5,820
		10	5/16	.6335 .6287	.500	.3120 .3115	.3120 .3110	.3060 .3020	.007	.1350 .1330	.040 .030	.015	3/64 x 37°	.3125-24 UNJF-3A	.1295 .1270	.130 .110	.200	.180 .160	14,600	9,200
		12	3/8	.7604 .7556	.545	.3745 .3740	.3745 .3735	.3680 .3640	.008	.1620 .1600	.040 .030	.015	3/64 x 37°	.3750-24 UNJF-3A	.1617 .1582	.160 .140	.235	.217 .197	21,000	14,000
		14	7/16	.8884 .8812	.635	.4370 .4365	.4370 .4360	.4310 .4260	.009	.1895 .1865	.050 .040	.022	3/64 x 37°	.4375-20 UNJF-3A	.1930 .1895	.190 .170	.280	.253 .233	28,600	18,900
		16	1/2	1.0139 1.0068	.685	.4995 .4990	.4995 .4985	.4930 .4880	.010	.2160 .2130	.050 .040	.022	3/64 x 37°	.5000-20 UNJF-3A	.2242 .2207	.220 .200	.320	.289 .269	37,300	25,600
		18	9/16	1.1408 1.1337	.770	.5615 .5610	.5615 .5605	.5550 .5500	.010	.2430 .2400	.050 .040	.025	1/16 x 37°	.5625-18 UNJF-3A	.2555 .2520	.260 .240	.360	.326 .306	47,200	32,400
		20	5/8	1.2723 1.2651	.825	.6240 .6235	.6240 .6230	.6180 .6120	.010	.2720 .2690	.050 .040	.025	1/16 x 37°	.6250-18 UNJF-3A	.2555 .2520	.260 .240	.400	.326 .306	58,300	41,000
		24	3/4	1.5308 1.5236	1.050	.7490 7485	.7490 7480	.7430 7370	.012	.3280 3250	.050 040	.025	1/16 x 37°	.7500-16 UNJF-3A	.3185 3150	.330 300	.425	.398 378	83,900	59,500

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

DRAWN BY DATE J.F. OBISPO 2015-01-06 VAN 1973-11-02 APPROVED DATE JG WILCOX 1973-11-02

(20)

HI-LOK™ PIN 100° FLUSH MS24694 TENSION HEAD TITANIUM 1/16 GRIP VARIATION (SPECIAL APPLICATION)

HL1013

1 OF 2

600 SKYPARK DRIVE, TORRANCE, CALIFORNIA 90509 U.S.A

GENERAL NOTES: 1 Head edge out of roundness shall not exceed "F".

Concentricity: Conical surface of head to "D" diameter within .003 FIM.

Dimensions are in inches and to be met after finish.

4. Surface texture per ASME B46.1.

5. Hole preparation per NAS618.

6. "H" is dimensioned from maximum "D" diameter.

[7] Maximum "D" diameter may be exceeded by .0002 for solid film lubricated bolts.

8 Evidence of broken edge across points [9] Curved or flat edge manufacturer's option.

10.Use HL1023 for oversize replacement.

HOW TO ORDER

EXAMPLE: Pin Part Number HL1013AZ8-8

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

Second dash number indicates maximum grip in 1/16ths.

CODE: First dash number indicates nominal diameter in 1/32nds.

See Finish note for explanation of code letters.

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

HEAT TREAT: 160,000 psi tensile minimum (95,000 psi shear minimum).

FINISH: HL1013-()-()

HL1013AZ(`)-()

= Cetyl alcohol lube per Hi-Shear Spec. 305. = HI-KOTE™ 1 or HI-KOTE™ 1 NC aluminum pigmented coating per Hi-Shear Spec. 294, with color black on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305.

= HI-KOTE™ 1 or HI-KOTE™ 1 NC aluminum pigmented coating per Hi-Shear Spec. 294 on top of head only (.005 max overspray on the head bearing surface permissible) with color blue on the thread end. Top of head painted in accordance with BAC5684, Type 5 and cetyl alcohol lube per Hi-Shear Spec. 305. HL1013BB()-()

HL1013BN()-() = HI-KOTE™ 1 or HI-KOTE™ 1 NC aluminum pigmented coating per Hi-Shear Spec. 294 on threads (no overspray on the shank allowed) and top of head only (.005 max overspray on the head bearing surface permissible) with color white on thread end. Top of head painted in accordance with BAC5684. Type 5 and

HL1013EF()-() = HI-KOTE™ 1 or HI-KOTE™ 1 NC aluminum pigmented coating per Hi-Shear Spec. 294 on top of head only (.005 max overspray on the head bearing surface permissible) with color blue on thread end, and cetyl

alcohol lube per Hi-Shear Spec. 305.

HL1013EZ()-() = HI-KOTE™ 1 or HI-KOTE™ 1 NC aluminum pigmented coating per Hi-Shear Spec. 294, with color black on thread end. Top of head is painted in accordance with BAC5684, Type 5 and cetyl alcohol lube per Hi-Shear

HL1013GM()-() = HI-KOTE™ 1 or HI-KOTE™ 1 NC aluminum pigmented coating per Hi-Shear Spec. 294 on threads (no overspray on the shank allowed) and top of head only (.005 max overspray on the head bearing surface permissible) with color white on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305.

HL1013HA()-() = HI-KOTE™ 1 or HI-KOTE™ 1 NC aluminum pigmented coating per Hi-Shear Spec. 294, with color black on thread end, and apply Precoat No. PR1436G sealant (.002-.005 thick), and cetyl alcohol lube per Hi-Shear

HL1013HD()-() = I.V.D. aluminum coating per BAC5315, with color red on thread end, and cetyl alcohol lube per

Hi-Shear Spec. 305.

HI-5near Spec. 305.

HL1013RA()-() = Phosphate fluoride treat with color red on thread end and cetyl alcohol lube per Hi-Shear Spec. 305.

HL1013SY()-() = Phosphate fluoride treat, solid film lube per AS5272, Type I with color red on thread end.

HL1013VF()-() = Anodize per Hi-Shear Spec 306, Type I, color blue, and cetyl alcohol lube per Hi-Shear Spec. 305.

HL1013NKJ()-() = HI-KOTE™ 1 NC aluminum pigmented coating per Hi-Shear Spec. 294, with color silver on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305.

HL1013NKK()-() = Sulfuric acid anodizing per ISO8080 and HI-KOTE™ 1 NC aluminum pigmented coating per Hi-Shear Spec. 305.

Spec. 294 on threads only, with color silver on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305. HL1013NKL()-() = HI-KOTE™ 1 NC aluminum pigmented coating per Hi-Shear Spec. 294 on threads only, with color silver

on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305.

SPECIFICATION: HI-LOK™ Product Specification 342.

DRAWING NUMBER