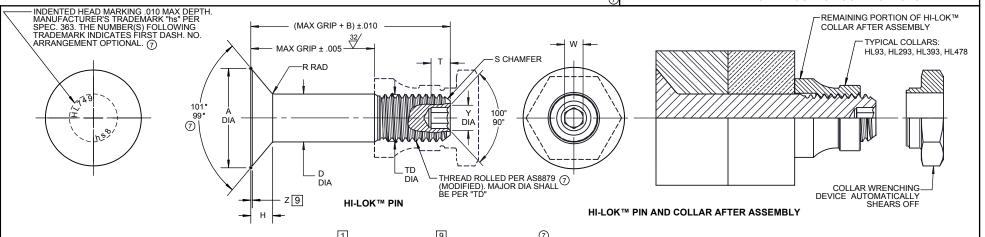
hi-shear corporation 2600 SKYPARK DRIVE, TORRANCE, CALIFORNIA 90509 U.S.A. HI-SHEAR Corporation, USA a LISI AEROSPACE Company

Design Holder

CAGE No. 73197

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				D D	IA 8								Ç	SOCKET		**	
FIRST DASH NO.	PIN NOM DIA	A DIA	B REF	WITHOUT COATING OR SOLID FILM LUBE	WITH COATING OR SOLID FILM LUBE	TD DIA	F	н	R RAD	Z MAX	S CHAMFER REF	THREAD MODIFIED	W HEX	T DEPTH	Y DIA	DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM
5	13/64			NOTE: Use HL249-6													
6	7/32	.3813 .3765	.325	.2182 .2177	.2182 .2172	.1840 .1810	.005	.0680 .0660	.030 .020	.015	1/32 x 45°	.1900-32 UNJF-3A	.0806 .0791	.135 .115	.119 .104	7,100	3,180
8	9/32	.5066 .5018	.395	.2807 .2802	.2807 .2797	.2440 .2410	.006	.0950 .0930	.030 .020	.015	1/32 x 45°	.2500-28 UNJF-3A	.0967 .0947	.150 .130	.142 .122	11,800	5,820
10	11/32	.6335 .6287	.500	.3432 .3427	.3432 .3422	.3060 .3020	.007	.1220 .1200	.040 .030	.015	3/64 x 45°	.3125-24 UNJF-3A	.1295 .1270	.170 .150	.180 .160	17,600	9,200
12	13/32	.7604 .7556	.545	.4057 .4052	.4057 .4047	.3680 .3640	.008	.1490 .1470	.040 .030	.015	3/64 x 45°	.3750-24 UNJF-3A	.1617 .1582	.200 .180	.217 .197	24,600	14,000
14	15/32	.8884 .8812	.635	.4682 .4677	.4682 .4672	.4310 .4260	.009	.1760 .1730	.050 .040	.022	3/64 x 45°	.4375-20 UNJF-3A	.1930 .1895	.230 .210	.253 .233	32,700	18,900
16	17/32	1.0139 1.0068	.685	.5307 .5302	.5307 .5297	.4930 .4880	.010	.2030 .2000	.050 .040	.022	3/64 x 45°	.5000-20 UNJF-3A	.2242 .2207	.260 .240	.289 .269	42,000	25,600
18	19/32	1.1408 1.1337	.770	.5927 .5922	.5927 .5917	.5550 .5500	.010	.2300 .2270	.050 .040	.025	1/16 x 45°	.5625-1 UNJF-3A	.2555 .2520	.290 .270	.326 .306	52,400	32,400
20	21/32	1.2723 1.2651	.825	.6552 .6547	.6552 .6542	.6180 .6120	.010	.2589 .2559	.050 .040	.025	1/16 x 45°	.6250-18 UNJF-3A	.2555 .2520	.330 .305	.326 .306	64,100	41,000
24	25/32	1.5308 1.5236	1.050	.7802 .7797	.7802 .7792	.7430 .7370	.012	.3149 .3119	.050 .040	.025	1/16 x 45°	.7500-16 UNJF-3A	.3185 .3150	.395 .365	.398 .378	90,900	59,500

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

** The Double Shear values shown are based on cross sectional area for nominal diameter pin.

HL749

1 OF 2

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

DRAWN BY	DATE	TITLE
SHRODE	1967-10-18	HI-LOK™ PIN
		100° FLUSH MS24694 TENSION HEAD
APPROVED	DATE	A-286 HIGH TEMPERATURE ALLOY
J. MILLER	1967-10-18	
		1/16 GRIP VARIATION - 1/32 OVERSIZE
REVISION	DATE	DRAWING NUMBER
	K. TRAN	

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ni-snear corporation 2600 SKYPARK DRIVE, TORRANCE, CALIFORNIA 90509 U.S.A.

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" dimensioned from maximum "D" diameter. 7 4. Dimensions are in inches and to be met after finish. 5 Non-lubed pins must be used with lubed collars. (7) 6. Surface texture per ASME B46.1. 7. Hole preparation per NAS618. 8 Maximum "D" diameter may be increased by .002 to allow for solid film or coating application. 9 Curved or flat edge manufacturer's option. (7) 10 After February, 21st of 2015, HI-KOTE™ 1 aluminum pigmented coating 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: A-286 high temperature alloy per Spce. AMS5737 or AMS5731. HEAT TREAT: 160,000 psi tensile minimum (95,000 psi shear minimum) at 70°F. FINISH: HL749-()-() = Passivate per Hi-Shear Spec. 258, and cetyl alcohol lube per Hi-Shear Spec. 305. (7) 10HL749AZ-()-() = HI-KOTE™ 1 aluminum coating per Hi-Shear Spec. 294, with color code balck on thread end. and cetyl alcohol lube per Hi-Shear Spec. 305. ⑦HL749DL-()-() = Solid film lube per AS5272, Type I, and cetyl alcohol lube per Hi-Shear Spec. 305. 7) HL749DU-()-() = Solid film lube per AS5272, Type I, 5 HL749PY-()-() = Passivate per Hi-Shear Spec. 258. = Solid film lube per "LUBECO" 2123, Type II. HL749V-()-()

SPECIFICATION: HI-LOK™ Product Specification 342.

CODE: First dash number indicates nominal diameter in 1/32nds which HL749 oversize pin replaces.

Second dash number indicates maximum grip in 1/16ths. See finish note for explanation of code letters.

HOW TO ORDER

Pin Part Number

Pin Part Number

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

Pin and Collar Assembly Part Number Combination

HL74903 8 8

Size and Grip Length,
See Above Example
Collar Part Number

Pin Part Number