



HI-LOK™ THREADED STUD PIN

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FIRST DASH NO.	PIN NOM DIA	A DIA	B REF	D DIA		TD DIA	H	R RAD	S CHAMFER REF	THREAD MODIFIED	SOCKET			DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM
				WITHOUT COATING	WITH COATING						W HEX	T DEPTH	Y DIA		
5	5/32	.322 .306	.312	.1635 .1630	.1635 .1625	.1595 .1570	.065 .055	.025 .015	1/32 x 37°	.1640-32 UNJF-3A	.0801 .0791	.135 .115	⑤	4,010	2,180
6	3/16	.377 .357	.325	.1895 .1890	.1895 .1885	.1840 .1810	.074 .064	.025 .015	1/32 x 37°	.1900-32 UNJF-3A	.0806 .0791	.135 .115	.119 .104	5,380	3,180
8	1/4	.440 .415	.395	.2495 .2490	.2495 .2485	.2440 .2410	.090 .080	.025 .015	1/32 x 37°	.2500-28 UNJF-3A	.0967 .0947	.150 .130	.142 .122	9,300	5,820
10	5/16	.502 .472	.500	.3120 .3115	.3120 .3110	.3060 .3020	.112 .102	.030 .020	3/64 x 37°	.3125-24 UNJF-3A	.1295 .1270	.170 .150	.180 .160	14,600	9,200
12	3/8	.565 .530	.545	.3745 .3740	.3745 .3735	.3680 .3640	.140 .130	.030 .020	3/64 x 37°	.3750-24 UNJF-3A	.1617 .1582	.200 .180	.217 .197	21,000	14,000

GENERAL NOTES: 1. Concentricity: "A" to "D" diameter within .010 FIM.
 Threaded stud to "D" diameter within .005 FIM.

- ⑧ 2. Dimensions are in inches and to be met after finish.
 ⑧ 3. Surface texture per ASME B46.1.

4. Hole preparation per NAS618.

⑤ Evidence of broken edge across points.

- ⑧ ⑥ 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: 160,000 psi tensile minimum.

FINISH: HL146-()-()-() = Cetyl alcohol lube per Hi-Shear Spec. 305.

- ⑧ ⑥ HL146AP()-()-() = HI-KOTE™ 1 aluminum coating per Hi-Shear Spec. 294, and cetyl alcohol lube per Hi-Shear Spec. 305.

SPECIFICATION: HI-LOK™ Product Specification 342.

CODE: First dash number indicates nominal diameter in 1/32nds.
 Second dash number indicates maximum grip in 1/16ths.
 Third dash number indicates threaded stud grip in 1/16ths.
 See Finish note for explanation of code letters.

HOW TO ORDER

⑧ **EXAMPLE:**

Threaded Stud Pin Part Number

HL146AP8-8-8

8/16 or 1/2 Threaded Stud Grip
 8/16 or 1/2 Maximum Grip
 8/32 or 1/4 Nominal Diameter Pin
 Finish Code
 Pin Basic Part Number

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

DRAWN BY VAN	DATE 1969-05-27	TITLE HI-LOK™ PIN THREADED STUD PIN PROTRUDING TENSION HEAD TITANIUM 1/16 GRIP VARIATION
APPROVED JM	DATE 1969-06-02	
REVISION ⑧	DATE M.BEARD 2017-09-28	DRAWING NUMBER HL146