



HI-LOK™ THREADED STUD PIN

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		
6	3/16	.377	.325	.1895	.1895	.1840	.074	.025	1/32 x 37°	.1900-32 UNJF-3A	.0806	.100	.119	5,380	3,180
		.357		.1890	.1885	.1810	.064	.015			.0791	.080	.104		
8	1/4	.440	.395	.2495	.2495	.2440	.090	.025	1/32 x 37°	.2500-28 UNJF-3A	.0967	.110	.142	9,300	5,820
		.415		.2490	.2485	.2410	.080	.015			.0947	.090	.122		
10	5/16	.505	.500	.3120	.3120	.3060	.112	.030	3/64 x 37°	.3125-24 UNJF-3A	.1295	.130	.180	14,600	9,200
		.475		.3115	.3110	.3020	.102	.020			.1270	.110	.160		
12	3/8	.600	.545	.3745	.3745	.3680	.140	.030	3/64 x 37°	.3750-24 UNJF-3A	.1617	.160	.217	21,000	14,000
		.565		.3740	.3735	.3640	.130	.020			.1582	.140	.197		

- GENERAL NOTES:**
- Concentricity: "A" to "D" diameter within .010 FIM. Threaded stud to "D" diameter within .005 FIM.
  - Dimensions are in inches and to be met after finish.
  - Surface texture per ASME B46.1.
  - Hole preparation per NAS618.
  - Use HL560 for oversize replacement.
  - 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:** 6AL-4V titanium alloy per AMS4928 or AMS4967.

**HEAT TREAT:** 160,000 psi tensile minimum.

- FINISH:**
- HL360-( )-( ) = Cetyl alcohol lube per Hi-Shear Spec. 305.
  - HL360AP( )-( ) = HI-KOTE™ 1 aluminum pigmented coating per Hi-Shear Spec. 294, and cetyl alcohol lube per Hi-Shear Spec. 305.
  - HL360AZ( )-( ) = HI-KOTE™ 1 aluminum pigmented coating per Hi-Shear Spec. 294, with color code black on thread end, 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 pin 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

**EXAMPLE:** Threaded Stud Pin Part Number  
 HL360AP8-8-8

- 8/16 or 1/2 Threaded Stud Grip
- 8/16 or 1/2 Pin End 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 D.P.S.	DATE 1984-09-10	TITLE HI-LOK™ PIN THREADED STUD PIN PROTRUDING TENSION HEAD TITANIUM 1/16 GRIP VARIATION
APPROVED R. TING	DATE 1984-09-14	
REVISION 7	DATE KEVIN TRAN 2017-08-02	DRAWING NUMBER <b>HL360</b>