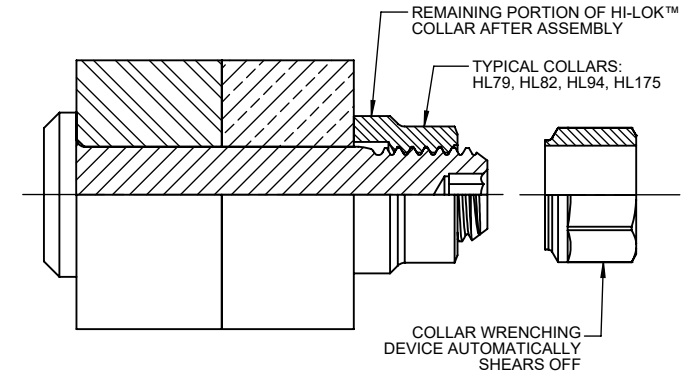
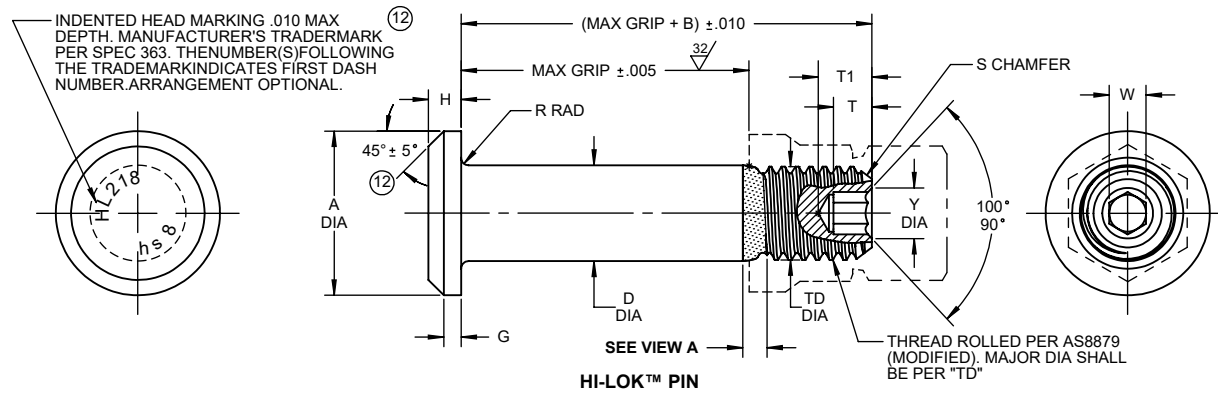




HI-LOK™ PIN AND COLLAR AFTER ASSEMBLY

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

FIRST DASH NO.	PIN NOM DIA	A DIA	B REF	D DIA	TD DIA	G REF	H	R RAD	S CHAMFER REF	THREAD MODIFIED	SOCKET			DOUBLE SHEAR POUNDS MINIMUM	TENSION POUNDS MINIMUM
				WITHOUT COATING							W HEX	T DEPTH MIN	Y DIA		
5	3/16				NOTE: USE HL18-6() or HL418-6- ()										
6	13/64	.315 .295	.325	.2182 .2172	.1840 .1810	.025	.055 .045	.025 .015	1/32 x 45°	10-32UNJF-3A Modified	.0806 .0791	.135 .115	.119 .104	7,100	2,500
8	17/64	.412 .387	.395	.2807 .2797	.2440 .2410	.030	.069 .059	.025 .015	1/32 x 45°	1/4-28UNJF-3A Modified	.0967 .0947	.150 .130	.142 .122	11,800	4,300
10	21/64	.505 .475	.500	.3432 .3422	.3060 .3020	.035	.078 .068	.030 .020	3/64 x 45°	5/16-24UNJF-3A Modified	.1295 .1270	.170 .150	.180 .160	17,600	6,300
12	25/64	.600 .565	.545	.4057 .4047	.3680 .3640	.040	.088 .078	.030 .020	3/64 x 45°	3/8-24UNJF-3A Modified	.1617 .1582	.200 .180	.217 .197	24,600	8,700
14	29/64	.676 .641	.635	.4682 .4672	.4310 .4260	.045	.105 .093	.030 .020	3/64 x 45°	7/16-20UNJF-3A Modified	.1930 .1895	.230 .210	.253 .233	32,700	12,100
16	33/64	.770 .735	.685	.5307 .5297	.4930 .4880	.050	.115 .103	.030 .020	3/64 x 45°	1/2-20UNJF-3A Modified	.2242 .2207	.260 .240	.289 .269	42,000	15,300
18	37/64	.864 .829	.770	.5927 .5917	.5550 .5500	.055	.127 .112	.040 .025	1/16 x 45°	9/16-18UNJF-3A Modified	.2555 .2520	.290 .270	.326 .306	52,400	19,000
20	41/64	.953 .918	.825	.6552 .6542	.6180 .6120	.060	.137 .122	.040 .025	1/16 x 45°	5/8-18UNJF-3A Modified	.2555 .2520	.330 .305	.326 .306	64,100	23,000
24	49/64	1.108 1.066	1.050	.7802 .7702	.7430 .7370	.070	.151 .136	.045 .030	1/16 x 45°	3/4-16UNJF-3A Modified	.3185 .3150	.395 .365	.398 .378	90,900	30,700
28	57/64	1.285 1.241	1.210	.9052 .9042	.8680 .8610	.090	.187 .172	.050 .035	5/64 x 45°	7/8-14UNJF-3A Modified	.3820 .3780	.455 .425	.471 .451	122,000	45,000
32	1-1/64	1.468 1.424	1.390	1.0302 1.0292	.9930 .9860	.110	.218 .203	.060 .045	5/64 x 45°	1-12UNJF-3A Modified	.5100 .5040	.580 .550	.618 .598	158,000	60,900

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

DRAWN BY Blrej	DATE 1964-03-11	TITLE HI-LOK™ PIN PROTRUDING SHEAR HEAD ALLOY STEEL 1/16 GRIP VARIATION, 1/32 OVERSIZE
APPROVED Cessna	DATE 1964-03-11	
REVISION 12	DATE B. CHAN 2021-02-15	DRAWING NUMBER HL218

GENERAL NOTES:

1. Concentricity: "A" diameter to "D" diameter within .010 FIM.
2. Dimensions are in inches and to be met after finish.
3. Surface texture per ASME B46.1.
4. Hole preparation per NAS618.
6. Use HL202 for oversize replacement.

MATERIAL: Alloy steel per AMS6415, AMS6349 or AMS6382, AMS6322.

HEAT TREAT: 160,000-180,000 psi tensile minimum per AMS-H-6875 (95,000 psi shear minimum).

FINISH:

HL218-()-() = Cadmium plate per AMS-QQ-P-416 Type II, Class 2, color bronze, and cetyl alcohol lube per Hi-Shear Spec. 305,

HL218A-()-() = Cadmium plate per AMS2400-3, and cetyl alcohol lube per Hi-Shear Spec. 305

HL218TF()-() = Cadmium plate per AMS-QQ-P-416, Type III, Class 2, and Hi-Kote 2 solid film lube per Hi-Shear Spec 292.

⑫ HL218UC()-() = Cadmium Plate Per AMS-QQ-P-416, Type II Class 2, Cetyl Alcohol Green on Thread End

SPECIFICATION: HI-LOK™ Specification 342.

CODE: First dash number indicates nominal diameter in 1/32nds of the pin which HL218 oversize pin replaces.
 Second dash number indicates maximum grip in 1/16ths.
 See Finish note for explanation of code letters.

HOW TO ORDER

EXAMPLE: Pin Part Number
 HL218PB8-8

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 Combination~~
~~HL202287-8-8~~

Size and Grip Length
 See Above Example
 Collar Part Number
 Pin Basic Part Number

HL218

DRAWING NUMBER

HL218

2 OF 2