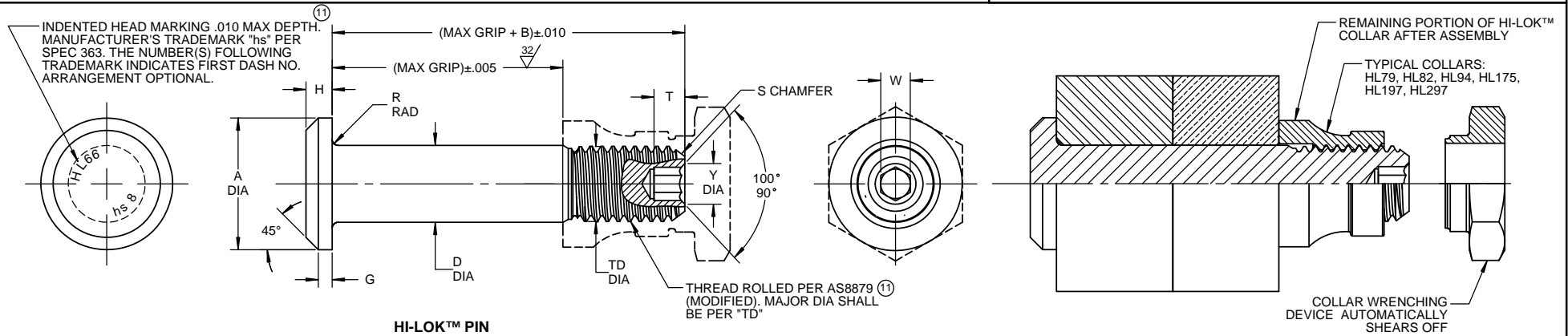


(11) For the current list of licensed manufacturers, please visit the  
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HI-LOK™ PIN

HI-LOK™ PIN AND COLLAR AFTER ASSEMBLY

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 SOLID FILM LUBE	WITH SOLID FILM LUBE							W HEX	T DEPTH	Y DIA		
5	3/16	NOTE: Use HL30-6														
6	13/64	.315 .295	.325	.2026 .2021	.2026 .2016	.1840 .1810	.025	.055 .045	.025 .015	1/32 x 45°	.1900-32 UNJF-3A	.0806 .0791	.135 .115	.119 .104	8,100	3,000
8	17/64	.412 .387	.395	.2651 .2646	.2651 .2641	.2440 .2410	.030	.069 .059	.025 .015	1/32 x 45°	.2500-28 UNJF-3A	.0967 .0947	.150 .130	.142 .122	13,800	5,100
10	21/64	.505 .475	.500	.3276 .3271	.3276 .3266	.3060 .3020	.035	.078 .068	.030 .020	3/64 x 45°	.3125-24 UNJF-3A	.1295 .1270	.170 .150	.180 .160	21,100	8,000
12	25/64	.600 .565	.545	.3901 .3896	.3901 .3891	.3680 .3640	.040	.088 .078	.030 .020	3/64 x 45°	.3750-24 UNJF-3A	.1617 .1582	.200 .180	.217 .197	30,000	11,300
14	29/64	.676 .641	.635	.4526 .4521	.4526 .4516	.4310 .4260	.045	.105 .093	.030 .020	3/64 x 45°	.4375-20 UNJF-3A	.1930 .1895	.230 .210	.253 .233	40,300	15,500
16	33/64	.770 .735	.685	.5151 .5146	.5151 .5141	.4930 .4880	.050	.115 .103	.030 .020	3/64 x 45°	.5000-20 UNJF-3A	.2242 .2207	.260 .240	.289 .269	52,200	20,000

**GENERAL NOTES:** 1. Concentricity: "A" to "D" diameter within .010 FIR.  
 (11) 2. Dimensions are in inches and to be met after finish.  
 (11) 3. Surface texture per ASME B46.1.  
 4. Hole preparation per NAS618.  
 5. Use HL58 for oversize replacement.

**CODE:** First dash number indicates nominal diameter in 1/32nds which HL66 oversize pin replaces.  
 Second dash number indicates maximum grip in 1/16ths. See "Finish" note for explanation of code letters.

**MATERIAL:** (11) Type 431 stainless steel per AMS5628.

**HEAT TREAT:** 125,000 psi tensile minimum.

**FINISH:** HL66-(-)(-) = Passivate per Hi-Shear Spec. 258 and cetyl alcohol lube per Hi-Shear Spec. 305.  
 (11) HL66D-(-)(-) = Solid film lube per Spec. AS5272.  
 HL66K-(-)(-) = Solid film lube per "LUBECO" 905.

**SPECIFICATION:** HI-LOK™ Product Specification 342.

**HOW TO ORDER**

(11) **EXAMPLE:**

Pin Part Number  
 HL66D-8-8  
 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 Number Combination  
 HL6679-8-8  
 Size and Grip Length, See Above Example  
 Collar Part Number  
 Pin Part Number

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

"HI-LOK", "HL", AND "HI-KOTE", ARE TRADEMARKS OF HI-SHEAR CORPORATION			
DRAWN BY R.K.L.	DATE 1960-07-20	TITLE HI-LOK™ PIN PROTRUDING SHEAR HEAD TYPE 431 STAINLESS STEEL 1/16 GRIP VARIATION, 1/64 OVERSIZE	
APPROVED M.M.S	DATE 1960-07-25		
REVISION (11)	DATE M.BEARD 2017-11-14	DRAWING NUMBER <b>HL66</b>	1 OF 1