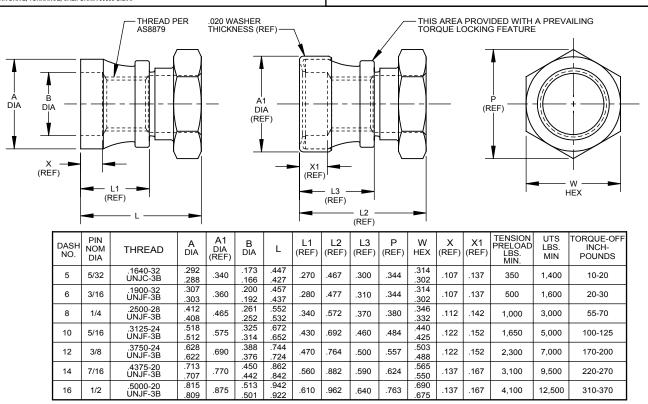
For the current list of licensed manufacturers, please visit the LISI AEROSPACE website at:
HTTP://WWW.LISI-AEROSPACE.COM/LICENSES



GENERAL NOTES:

- Go thread gage penetration shall be 3/4 of one revolution minimum.

 Dimensions are in inches and apply after finish and before application of lubricants. 30 2.
 - Use HL377 for oversize replacement.

3. Use FL377 for oversize repracement.

4 Cetyl alcohol per Hi-Shear Spec. 305 maybe applied at manufacturer's option.

5 Use the following test bolts for thread lock inspection:

TB7075AA()L for HL77-(), HL77CM(), HL77-()D or HL77-()DA, HL77FK-(), HL77TF-(), HL77-()DDW or HL77-()DADW, HL77TF()NW, and HL77-()TW.

TB64VF()L for HL77-()TY.

MATERIAL: Collar 2024 aluminum alloy per QQ-A-430 or AMS-QQ-A-225/6.

"DW" & "TW" = 2024 aluminum alloy per AMS-QQ-A-250/4 or AMS-QQ-A-250/5. Washer (30)

"NW" & "TY" = 300 series stainless steel per ASTM A240/A240M.

Age to T6 condition per AMS2770. **HEAT TREAT:** Collar

 = Age to T6 condition per AMS2770 (for 2024 only).
 = Anneal in vacuum furnace per AMS2759/4. "DW" & "TW" "NW" & "TY" (30) Washer

= Collar only anodized per MIL-A-8625, dye color brown, and cetyl alcohol FINISH: 30 Collar HL77-()

lube per Hi-Shear Spec. 305.

HL77CM() = Collar only with chemical conversion coat per MIL-DTL-5541 class 1A and

cetyl alcohol lube per Hi-Shear Spec. 305. HL77-()D or

HL77-()DA = Collar only anodized per MIL-A-8625 and solid film lube per AS5272, Type I.

= Collar only anodized per MIL-A-8625 and HI-KOTE™ 2 solid film lube per Hi-HI 77TF-()

Shear Spec. 292. © Collar & Washer HL77-()DDW or

HL77() DADW = Collar finish same as HL77-D() or DA. Washer is anodized per

MIL-A-8625 and solid film lube per AS5272, Type I.

HL77TF-()NW Collar finish same as HL77TF-(). Washer is passivated per AMS2700, Type 8, Method 1.

HL77-()TW = Collar finish same as HL77-(). Washer is anodized per Spec.

MIL-A-8625, dye color blue. = Collar finish same as HL77-(). Washer is passivated per AMS2700, HL77-()TY

Type 8, Method 1 with "Kalgard" FC-2 teflon.

SPECIFICATION: HI-LOK™ Product Specification 345. except tension preload as tabulated and test bolt requirement exceptions per note 5 above. ⁽³⁰⁾

CODE: Dash number indicates nominal thread size in 1/32nds.

See "Finish" note for explanation of code letters

EXAMPLES: = .2500-28 collar only, anodize and cetyl alcohol lube. HL77-8 HL77-8DADW = Assembly of HL77-8DA collar and HL77-8DW washer with solid film lube.

"HI-LOK" AND "HL" ARE INTERNATIONAL
REGISTERED TRADEMARKS OF HI-SHEAR CORPORATION

	DATE	BY	HI-LOK™ COLLAR	DRAWING NO.
DRAWN	1961-12-19	R.K.C.	2024 - T6 ALUMINUM ALLOY	HL77
APPROVED	1961-12-19	M.M.S.	1/16 GRIP VARIATION, SHEAR APPLICATION	11677
30 REVISION	2018-09-04	S. WILEY	FOR USE ON STANDARD SIZE ALUMINUM ALLOY HI-LOK™ PINS	1 of 1

VOI-SHAN 1 raised bead indicates VOI-SHAN identification

