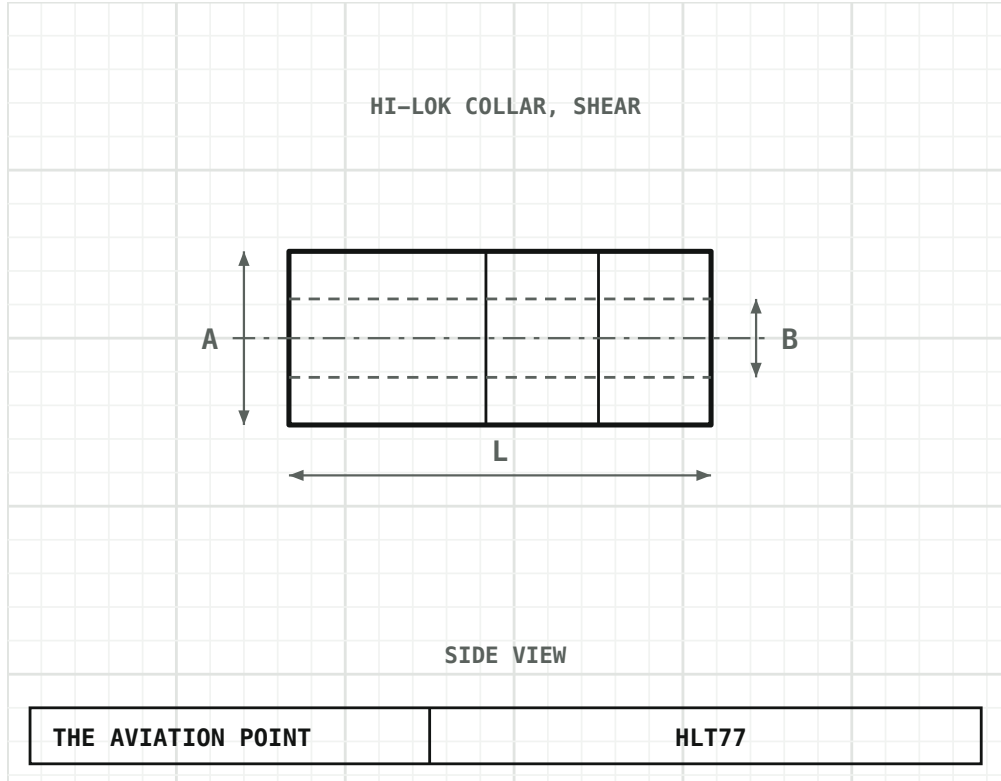
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HLT77 collar — shear, aluminum alloy

Hi-Lok Collar, Shear, Aluminum Alloy: dimensions by size, strength and torque-off.



HLT77



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Hi-Lok collar, shear
Material	Aluminum alloy
Strength	Shear application
Status	Check the current issue before design use.

Dimensions by size

Dimension, in	8-32UNJC	10-32UNJF	1/4-28UNJF
Pin nominal diameter	5/32	3/16	1/4
A — Collar diameter (max / min)	.292 - .288	.307 - .303	.412 - .408
B — Bore diameter (max / min)	.179 - .175	.205 - .201	.265 - .261
L — Length	.447 - .427	.457 - .437	.550 - .530
Thread	8-32UNJC	10-32UNJF	1/4-28UNJF
Collar UTS, lb min	1,400	1,600	3,000
Torque-off, in-lb	15-25	25-35	60-80

Dimensions as tabulated in the catalogue, by dash number (pin nominal diameter). Max - min where a tolerance is shown.

Part numbers

Part no.	Size	Torque-off, in-lb
HLT77-5	5/32	15-25
HLT77-6	3/16	25-35
HLT77-8	1/4	60-80

Every collar dash number listed, by pin diameter.

How to read the part number

Part	Meaning
Format	HLT77-<dash>
Example	HLT77-5 — 5/32 nominal pin diameter

Notes

- Thread classes are as printed (no class suffix) in the catalogue.
- Max - min values shown as max - min. Approved data governs.
- Pins this collar is listed for in the catalogue: HL325, HL328.

SOURCES · HLT77 — Hi-Lok Collar, Shear, Aluminum Alloy

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/hi-lok/hlt77/

Reference data. The aircraft manufacturer's documentation (SRM / IPC) takes precedence.