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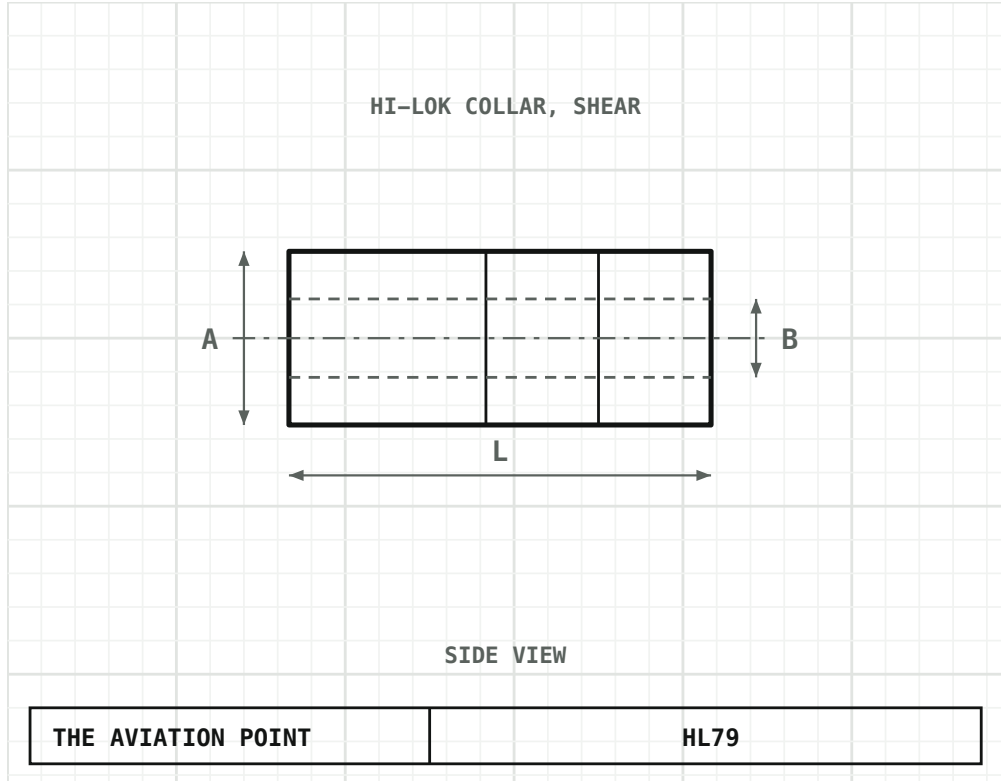
The Aviation Point

HL79 collar — shear, aluminum alloy, for standard and 1/64 oversize pins

Hi-Lok Collar, Shear, Aluminum Alloy, for Standard and 1/64 Oversize Pins: dimensions by size, strength and torque-off.



HL79



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Hi-Lok collar, shear
Material	2024-T6 aluminum alloy
Strength	Shear application
Status	Check the current issue before design use.

Dimensions by size

Dimension, in	10-32UNJF-3B	1/4-28UNJF-3B	5/16-24UNJF-3B
Pin nominal diameter	13/64	17/64	21/64
A — Collar diameter (max / min)	.322 - .318	.422 - .418	.538 - .532
B — Bore diameter (max / min)	.212 - .208	.272 - .268	.336 - .330
L — Length	.457 - .437	.552 - .532	.672 - .652
Thread	10-32UNJF-3B	1/4-28UNJF-3B	5/16-24UNJF-3B
Collar UTS, lb min	1,600	3,000	5,000
Torque-off, in-lb	25-35	60-80	130-160

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
HL79-6	13/64	25-35
HL79-8	17/64	60-80
HL79-10	21/64	130-160

Every collar dash number listed, by pin diameter.

How to read the part number

Part	Meaning
Format	HL79-<dash>
Example	HL79-6 — 13/64 nominal pin diameter

Notes

- The -5 size is not listed: for 5/32 pins the catalogue says use HL70-5.
- Max – min values shown as max – min. Approved data governs.
- Pins this collar is listed for in the catalogue: standard and 1/64 oversize pins.

SOURCES · HL79 — Hi-Lok Collar, Shear, Aluminum Alloy, for Standard and 1/64 Oversize Pins

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/hi-lok/hl79/

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