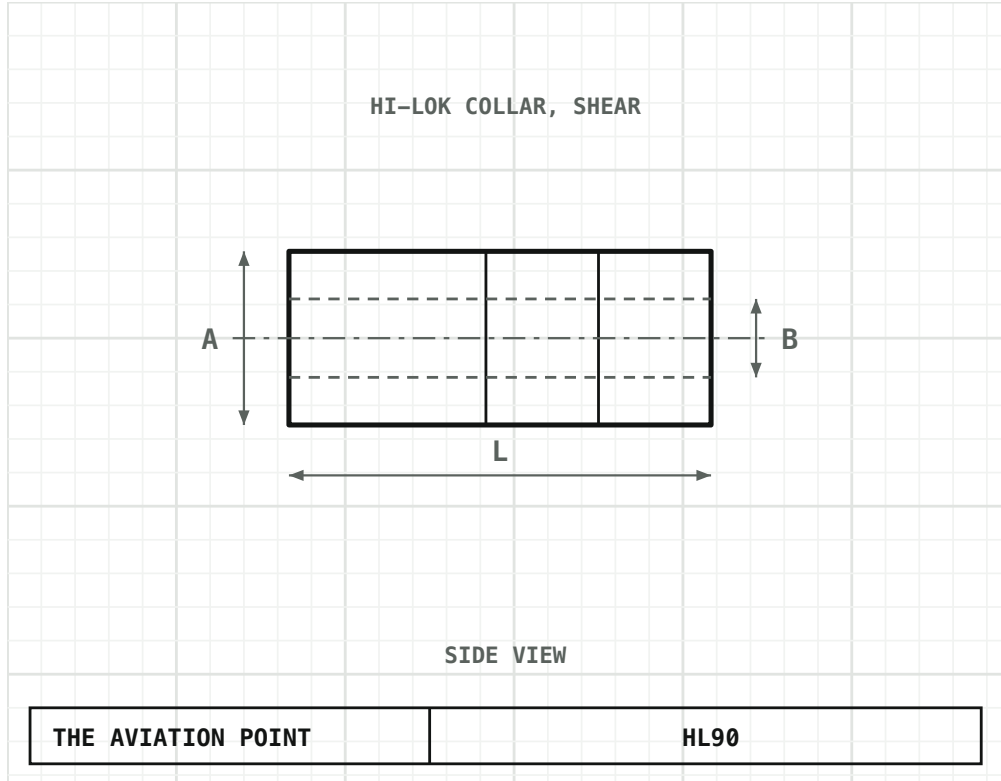
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HL90 collar — shear, aluminum alloy

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



HL90



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-3B	10-32UNJF-3B
Pin nominal diameter	5/32	3/16
A — Collar diameter (max / min)	.292 – .288	.307 – .303
B — Bore diameter (max / min)	.173 – .166	.200 – .192
L — Length	.447 – .427	.457 – .437
Thread	8-32UNJC-3B	10-32UNJF-3B
Collar UTS, lb min	1,400	1,600
Torque-off, in-lb	15-25	25-35

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
HL90LP5A	5/32	15-25
HL90LP6A	3/16	25-35

Every collar dash number listed, by pin diameter.

How to read the part number

Part	Meaning
Example	HL90LP5A — 5/32 nominal pin diameter

Notes

- The catalogue prints the dash column as LP5A and LP6A with no hyphen, so the part number is written here without one.
- Max – min values shown as max – min. Approved data governs.
- Pins this collar is listed for in the catalogue: HL50, HL51.

SOURCES · HL90 — Hi-Lok Collar, Shear, Aluminum Alloy

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/hi-lok/hl90/

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