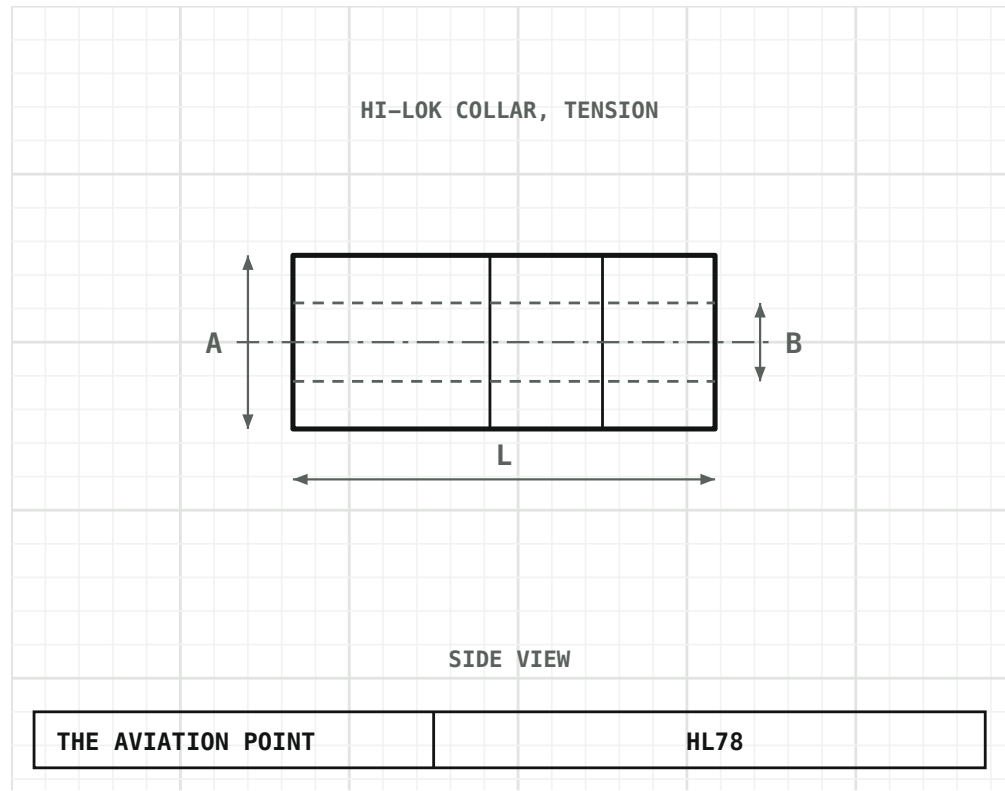
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HL78 collar — tension, A-286 alloy

Hi-Lok Collar, Tension, A-286 High Temperature Alloy: dimensions by size, strength and torque-off.



HL78



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Hi-Lok collar, tension
Material	A-286 high-temperature alloy
Strength	Tension application
Status	Check the current issue before design use.

Dimensions by size

Dimension, in	8-32UNJC-3B	10-32UNJF-3B	1/4-28UNJF-3B
Pin nominal diameter	5/32	3/16	1/4
A — Collar diameter (max / min)	.287 - .283	.307 - .303	.412 - .408
B — Bore diameter (max / min)	.173 - .166	.212 - .208	.272 - .268
L — Length	.447 - .427	.457 - .437	.552 - .532
Thread	8-32UNJC-3B	10-32UNJF-3B	1/4-28UNJF-3B
Collar UTS, lb min	2,300	2,750	5,000
Torque-off, in-lb	30-40	40-50	110-130

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
HL78-5	5/32	30-40
HL78-6	3/16	40-50
HL78-8	1/4	110-130

Every collar dash number listed, by pin diameter.

How to read the part number

Part	Meaning
Format	HL78-<dash>
Example	HL78-5 — 5/32 nominal pin diameter

Notes

- 1/16 in grip variation.
- Max - min values shown as max - min. Approved data governs.
- Pins this collar is listed for in the catalogue: HL48.

SOURCES · HL78 — Hi-Lok Collar, Tension, A-286 High Temperature Alloy

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/hi-lok/hl78/

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