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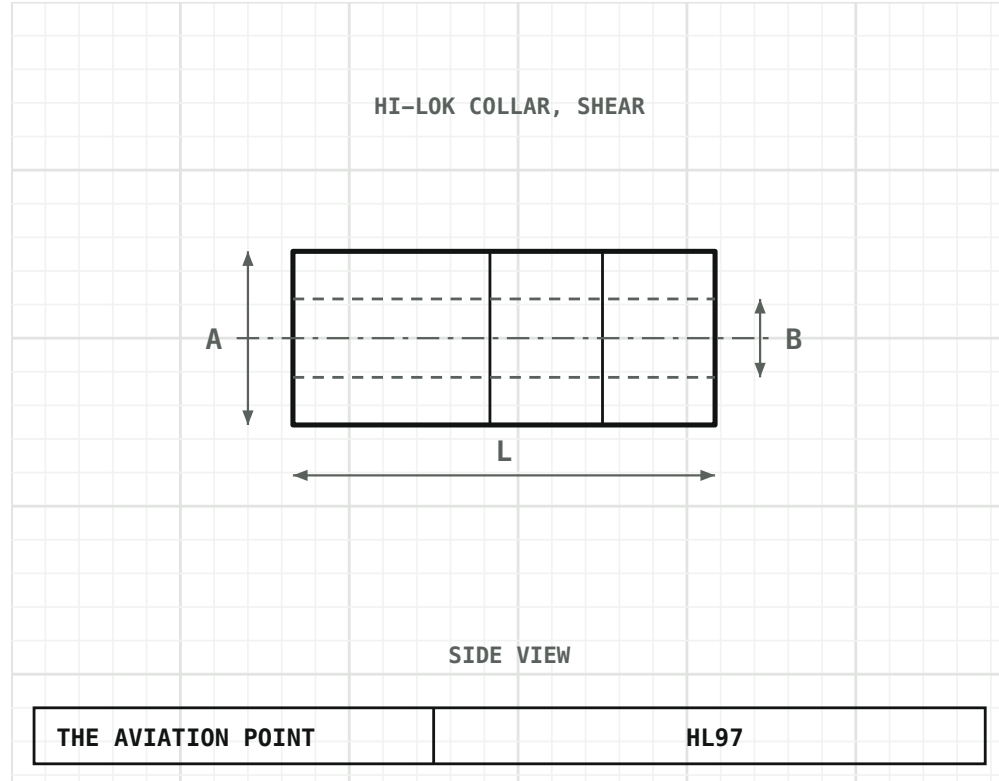
The Aviation Point

HL97 collar — shear, A-286 alloy

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



HL97



Engineering drawing · dimensions in inches

Specification

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

Dimensions by size

Dimension, in	6-32UNJC-3B	8-32UNJC-3B	10-32UNJF-3B
Pin nominal diameter	1/8	5/32	3/16
A — Collar diameter (max / min)	.240 - .235	.287 - .283	.307 - .303
B — Bore diameter (max / min)	.147 - .143	.173 - .166	.200 - .195
L — Length	.420 - .400	.447 - .427	.457 - .437
Thread	6-32UNJC-3B	8-32UNJC-3B	10-32UNJF-3B
Collar UTS, lb min	1,350	1,940	2,500
Torque-off, in-lb	10-20	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
HL97-4	1/8	10-20
HL97-5	5/32	15-25
HL97-6	3/16	25-35

Every collar dash number listed, by pin diameter.

How to read the part number

Part	Meaning
Format	HL97-<dash>
Example	HL97-4 — 1/8 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: HL40.

SOURCES · HL97 — Hi-Lok Collar, Shear, A-286 High Temperature Alloy

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/hi-lok/hl97/

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