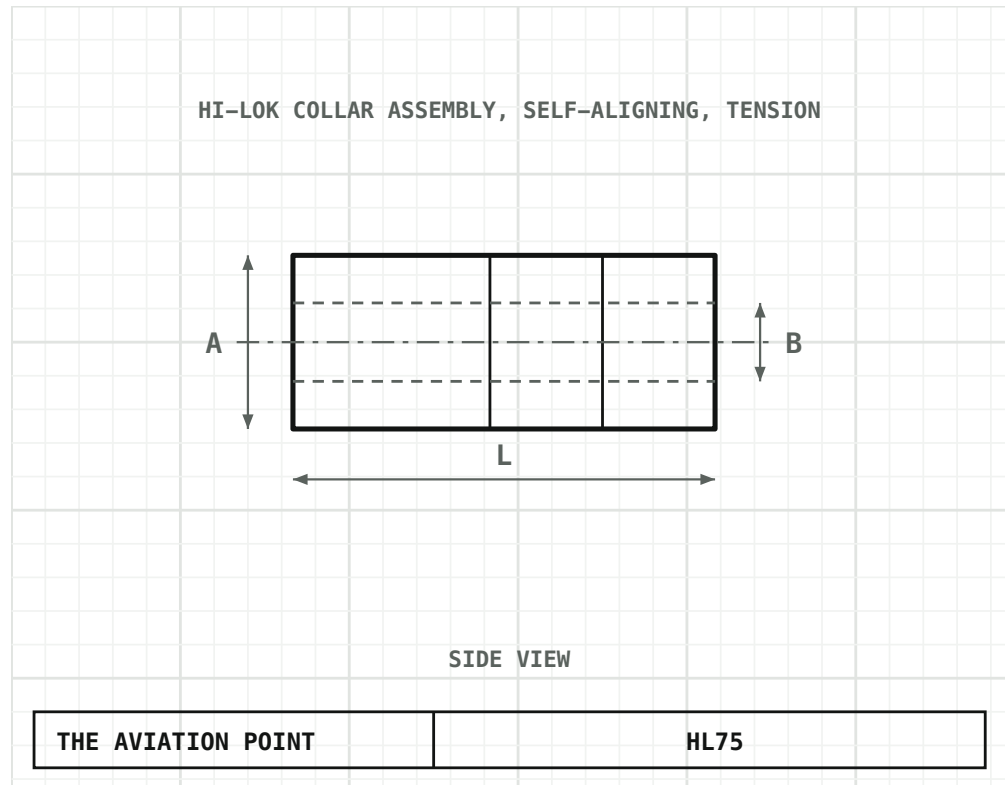
THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM

HL75 collar — self-aligning, tension, 303 stainless steel

Hi-Lok Collar Assembly, Self-Aligning, Tension, 303 Stainless Steel: dimensions by size, strength and torque-off.



HL75



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Hi-Lok collar assembly, self-aligning, tension
Material	303 stainless steel
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	5/16-24UNJF-3B
Pin nominal diameter	5/32	3/16	1/4	5/16
A — Collar diameter (max / min)	.365 - .355	.365 - .355	.475 - .465	.620 - .610
B — Bore diameter (max / min)	.095 - .085	.095 - .085	.120 - .110	.130 - .120
L — Length	.457 - .427	.457 - .427	.552 - .522	.672 - .642
Thread	8-32UNJC-3B	10-32UNJF-3B	1/4-28UNJF-3B	5/16-24UNJF-3B
Collar UTS, lb min	2,300	2,750	5,000	8,300
Torque-off, in-lb	30-40	40-50	115-130	200-250

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
HL75-5A	5/32	30-40
HL75-6A	3/16	40-50
HL75-8A	1/4	115-130
HL75-10A	5/16	200-250

Every collar dash number listed, by pin diameter.

How to read the part number

Part	Meaning
Format	HL75-<dash>
Example	HL75-5A — 5/32 nominal pin diameter

Notes

- The catalogue also lists HL75-5AW (collar/washer combination) and HL75-6W and HL75-8W (washer only); no dimensions are given for them.
- Self-aligning collar assembly with a washer; the collar has a prevailing-torque locking feature.
- Max – min values shown as max – min. Approved data governs.
- Pins this collar is listed for in the catalogue: HL20, HL21, HL48, HL64, HL65.

SOURCES · HL75 — Hi-Lok Collar Assembly, Self-Aligning, Tension, 303 Stainless Steel

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/hi-lok/hl75/

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