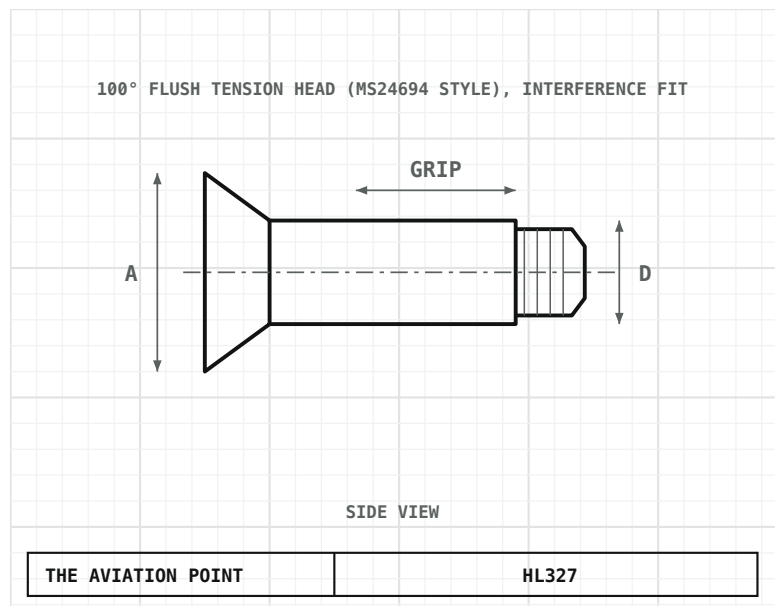
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HL327 pin — 100° flush tension head (MS24694 style), interference fit

Hi-Lok Pin, 100° Flush Tension Head, MS24694 Head Style, Interference Application: dimensions by size, strength and every listed part number.



HL327



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Hi-Lok pin, 100° flush tension head, interference fit
Material	Alloy steel
Strength	160,000-180,000 psi tensile
Status	Check the current issue before design use.

Dimensions by size

Dimension, in	8-32UNJC-3A Modified	10-32-UNJF-3A Modified
Nominal diameter	5/32	3/16
A — Head diameter (max / min)	.3304 - .3256	.3813 - .3765
B — Ref. (see drawing)	.312	.325
D — Shank diameter (max / min)	.1650 - .1640	.1895 - .1885
TD — Threaded-end diameter (max / min)	.1595 - .1570	.1840 - .1810
H — H (max / min, see drawing)	.0694 - .0674	.0805 - .0785
Thread	8-32UNJC-3A Modified	10-32-UNJF-3A Modified
Double shear, lb min	4,010	5,380
Tension, lb min	2,180	2,750
Gl — Min. grip length (dash)	-2	-3

Dimensions as tabulated in the catalogue, by first dash number (nominal diameter). Max - min where a tolerance is shown.

Part numbers

5/32 8 part numbers

Part no.	Max grip, in
HL327-5-3	3/16
HL327-5-4	1/4
HL327-5-5	5/16
HL327-5-6	3/8
HL327-5-7	7/16
HL327-5-8	1/2
HL327-5-9	9/16
HL327-5-10	5/8

3/16 8 part numbers

Part no.	Max grip, in
HL327-6-3	3/16
HL327-6-4	1/4
HL327-6-5	5/16
HL327-6-6	3/8
HL327-6-7	7/16
HL327-6-8	1/2
HL327-6-9	9/16
HL327-6-10	5/8

How to read the part number

Part	Meaning
Format	HL327-<dash>
Example	HL327-5-3 — 5/32 nominal diameter, max grip 3/16 in

Notes

- Interference-fit application. The catalogue gives the minimum grip length as a dash number: that dash is the shortest grip tabulated for the diameter.
- Approved data governs. Use the pin the drawing, SRM or IPC calls for.
- Grip: the number after the second dash is the max grip in 1/16 in (dash -2 = 1/8 in, -3 = 3/16 in, and so on). Maximum-minimum values are shown as max - min.
- Collars listed for this pin in the catalogue quick-reference chart: HL386.

SOURCES · HL327 — Hi-Lok Pin, 100° Flush Tension Head, MS24694 Head Style, Interference Application

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/hi-lok/hl327/

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

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