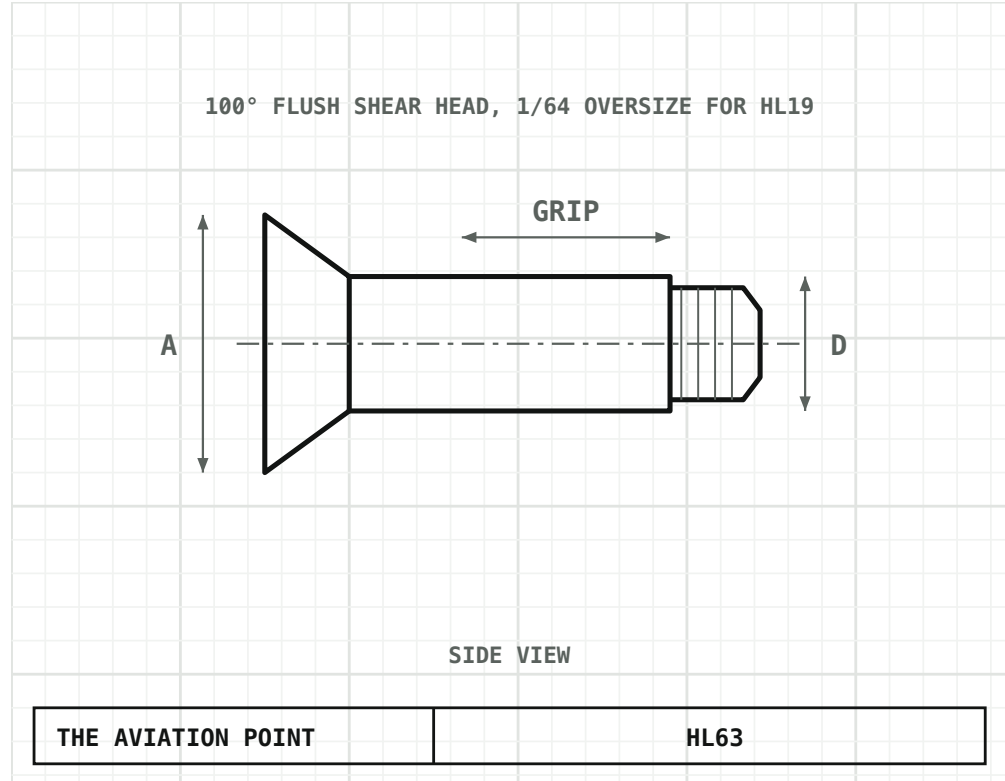
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HL63 pin — 100° flush shear head, 1/64 oversize for HL19

Hi-Lok Pin, 100° Flush Shear Head, 1/64 Oversize for HL19, Alloy Steel: dimensions by size, strength and every listed part number.



HL63



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Hi-Lok pin, 100° flush shear head, 1/64 oversize
Material	Alloy steel
Strength	95,000 psi shear min.; 160,000-180,000 psi tensile
Status	Check the current issue before design use.

Dimensions by size

Dimension, in	10-32-UNJF-3A Modified	1/4-28UNJF-3A Modified
Nominal diameter	13/64	17/64
A — Head diameter (max / min)	.3016 - .2966	.3948 - .3898
B — Ref. (see drawing)	.325	.395
D — Shank diameter (max / min)	.2026 - .2016	.2651 - .2641
TD — Threaded-end diameter (max / min)	.1840 - .1810	.2440 - .2410
G — G, ref.	.035	.045
H — H (max / min, see drawing)	.074 - .064	.080 - .077
R — R, radius (see drawing)	.025 - .015	.025 - .015
Thread	10-32-UNJF-3A Modified	1/4-28UNJF-3A Modified
Double shear, lb min	6,130	10,490
Tension, lb min	2,000	3,700

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

Part numbers

13/64 11 part numbers

Part no.	Max grip, in
HL63PB6-2	1/8
HL63PB6-3	3/16
HL63PB6-4	1/4
HL63PB6-5	5/16
HL63PB6-6	3/8
HL63PB6-7	7/16
HL63PB6-8	1/2
HL63PB6-9	9/16
HL63PB6-10	5/8
HL63PB6-11	11/16
HL63PB6-12	3/4

17/64 11 part numbers

Part no.	Max grip, in
HL63PB8-2	1/8
HL63PB8-3	3/16
HL63PB8-4	1/4
HL63PB8-5	5/16
HL63PB8-6	3/8
HL63PB8-7	7/16
HL63PB8-8	1/2
HL63PB8-9	9/16
HL63PB8-10	5/8
HL63PB8-11	11/16
HL63PB8-12	3/4

How to read the part number

Part	Meaning
Format	HL63PB<dash>
Example	HL63PB6-2 — 13/64 nominal diameter, max grip 1/8 in

Notes

- The -5 size is not listed for this oversize pin: the catalogue says use HL19PB6.

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

- 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: HL79, HL82, HL94.

SOURCES · HL63 — Hi-Lok Pin, 100° Flush Shear Head, 1/64 Oversize for HL19, Alloy Steel

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/hi-lok/hl63/

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

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