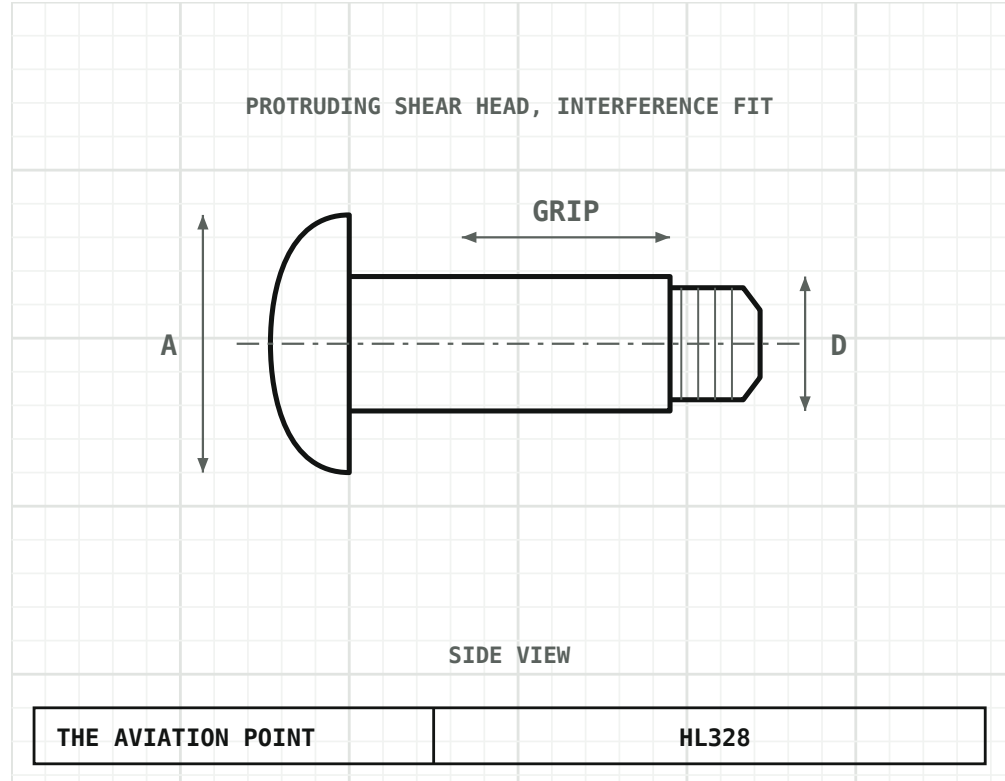
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HL328 pin — protruding shear head, interference fit

Hi-Lok Pin, Protruding Shear Head, Interference Application: dimensions by size, strength and every listed part number.



HL328



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Hi-Lok pin, protruding shear head, interference fit
Material	Alloy steel
Strength	108,000 psi shear min.; 180,000-200,000 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)	.262 - .242	.315 - .295
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
G — G, ref.	.020	.025
H — H (max / min, see drawing)	.047 - .037	.055 - .045
Thread	8-32UNJC-3A Modified	10-32-UNJF-3A Modified
Double shear, lb min	4,580	6,100
Tension, lb min	2,200	2,900
Gl — Min. grip length (dash)	-2	-2

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

Part numbers

5/32 9 part numbers

Part no.	Max grip, in
HL328-5-2	1/8
HL328-5-3	3/16
HL328-5-4	1/4
HL328-5-5	5/16
HL328-5-6	3/8
HL328-5-7	7/16
HL328-5-8	1/2
HL328-5-9	9/16
HL328-5-10	5/8

3/16 9 part numbers

Part no.	Max grip, in
HL328-6-2	1/8
HL328-6-3	3/16
HL328-6-4	1/4
HL328-6-5	5/16
HL328-6-6	3/8
HL328-6-7	7/16
HL328-6-8	1/2
HL328-6-9	9/16
HL328-6-10	5/8

How to read the part number

Part	Meaning
Format	HL328-<dash>
Example	HL328-5-2 — 5/32 nominal diameter, max grip 1/8 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.
- The catalogue prints the first part-number header of this block as HL327-5-# and the second as HL328-6-#; the part numbers are read from the rows below it.

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

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- 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: HLT77.

SOURCES · HL328 — Hi-Lok Pin, Protruding Shear Head, Interference Application

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/hi-lok/hl328/

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

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