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

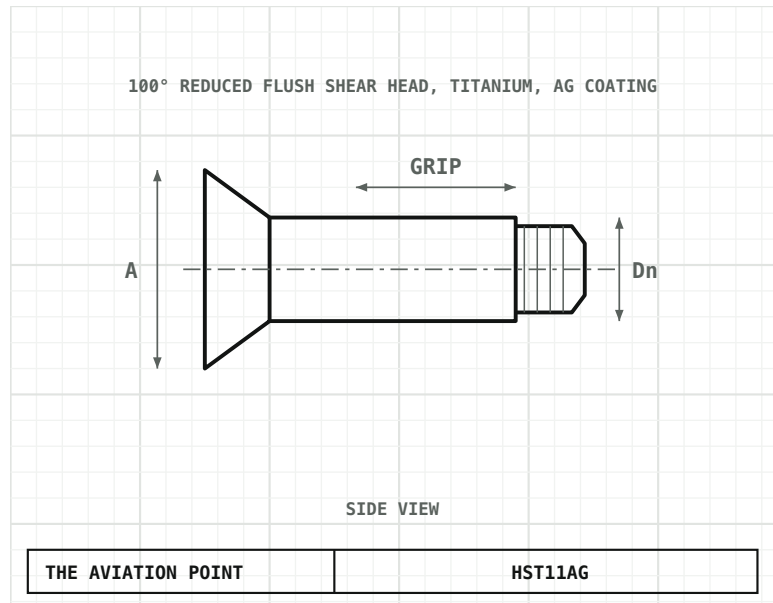
The Aviation Point

HST11AG pin — 100° reduced flush shear head, titanium, AG coating

Hi-Lok Pin, 100° Reduced Flush Shear Head, Titanium, AG Hi-Kote 1: dimensions by size, strength and every listed part number.



HST11AG



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Hi-Lok pin, 100° reduced flush shear head, titanium
Material	Titanium
Strength	95,000 psi shear min.
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)	.2612 - .2564	.3016 - .2966
B — Ref. (see drawing)	.280	.290
TD — Threaded-end diameter (max / min)	.1595 - .1570	.1840 - .1810
H — H (max / min, see drawing)	.0410 - .0390	.0470 - .0450
Thread	8-32UNJC-3A Modified	10-32-UNJF-3A Modified
Double shear, lb min	4,010	5,380
Tension, lb min	1,650	2,000
Dn — Shank diameter, without lube (max / min)	.1635 - .1630	.1895 - .1890
Dc — Shank diameter, with lube (max / min)	.1635 - .1625	.1895 - .1885

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
HST11AG5-2	1/8
HST11AG5-3	3/16
HST11AG5-4	1/4
HST11AG5-5	5/16
HST11AG5-6	3/8
HST11AG5-7	7/16
HST11AG5-8	1/2
HST11AG5-9	9/16

3/16 8 part numbers

Part no.	Max grip, in
HST11AG6-2	1/8
HST11AG6-3	3/16
HST11AG6-4	1/4
HST11AG6-5	5/16
HST11AG6-6	3/8
HST11AG6-7	7/16
HST11AG6-8	1/2
HST11AG6-9	9/16

How to read the part number

Part	Meaning
Example	HST11AG5-2 — 5/32 nominal diameter, max grip 1/8 in

Notes

- Titanium, 1/16 in grip variation. Hi-Kote 1 aluminum coating per Hi-Shear spec. 294 and cetyl alcohol lube per Hi-Shear spec. 305.
- 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.

SOURCES · HST11AG — Hi-Lok Pin, 100° Reduced Flush Shear Head, Titanium, AG Hi-Kote 1

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/hi-lok/hst11ag/

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