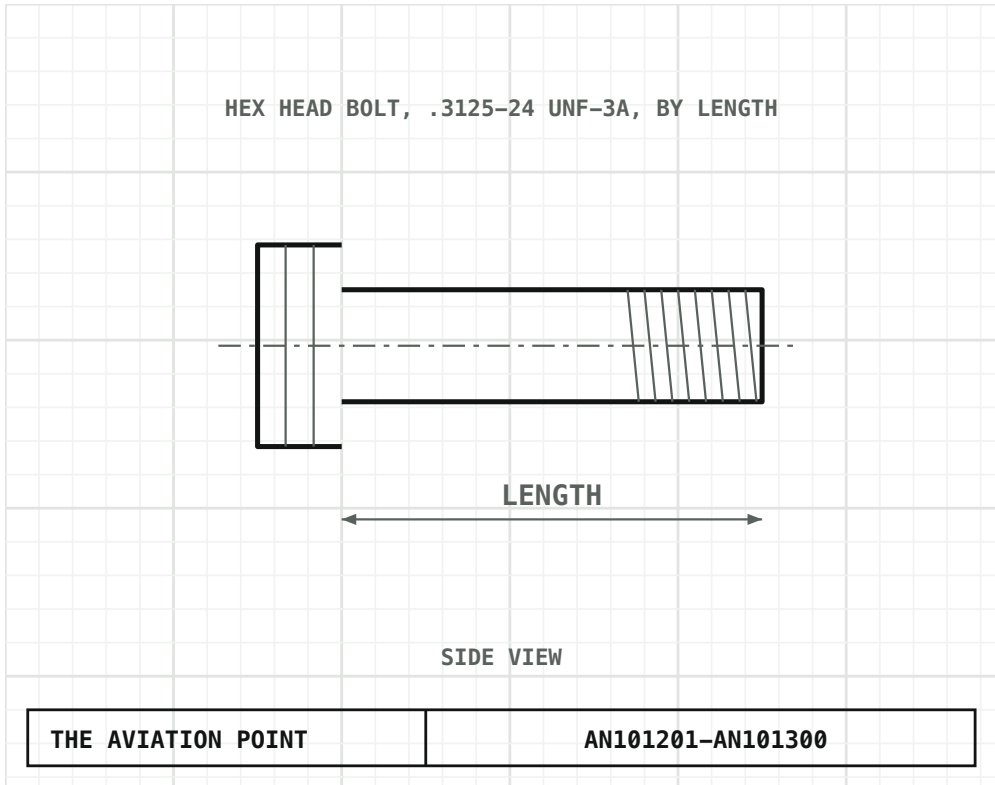
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AN101201-AN101300 — hex head bolt, .3125-24 UNF-3A, by length

AN101201-AN101300: .3125-24 UNF-3A hex head bolt, one part number per length, AN101206 to AN101258.



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Hexagon head bolt
Material	Steel AMS6322, hardness Rockwell C26-32; manufacturing specification AMS7452
Finish	Cadmium plate AMS2400
Status	Check the current issue before design use. Inactive for new design after 3 Mar 1969; no superseding standard.

Dimensions by size

Dimension, in	.3125-24 UNF-3A
Thread	.3125-24 UNF-3A
A max — A dia (shank), max	.312
A min — A dia (shank), min	.309
B max — B, max (across flats)	.502
B min — B, min (across flats)	.492
C — C, min (across corners)	.562
D — D (head height)	.188
W — W dia (bearing face, head chamfer 30°)	.500
E — E × 45°, approx (end chamfer)	.047

Dimensions in inches, from the drawing of the standard. L and K are the standard's letters; A, B, C, D, E and W are assigned on this datasheet.

Part numbers

.3125-24 UNF-3A 53 part numbers

Part no.	L, in	K to full thread, in
AN101206	.625	—
AN101207	.688	—
AN101208	.750	—
AN101209	.812	.125
AN101210	.875	.188
AN101211	.938	.250
AN101212	1.000	.312
AN101213	1.062	.375
AN101214	1.125	.438
AN101215	1.188	.500
AN101216	1.250	.562
AN101217	1.312	.625
AN101218	1.375	.688
AN101219	1.438	.750
AN101220	1.500	.812
AN101221	1.562	.875
AN101222	1.625	.938
AN101223	1.688	1.000
AN101224	1.750	1.062
AN101225	1.875	1.188
AN101226	2.000	1.312
AN101227	2.125	1.438
AN101228	2.250	1.562
AN101229	2.375	1.688
AN101230	2.500	1.812
AN101231	2.625	1.938
AN101232	2.750	2.062
AN101233	2.875	2.188
AN101234	3.000	2.312
AN101235	3.125	2.438
AN101236	3.250	2.562
AN101237	3.375	2.688
AN101238	3.500	2.812
AN101239	3.625	2.938
AN101240	3.750	3.062
AN101241	3.875	3.188
AN101242	4.000	3.312
AN101243	4.125	3.438
AN101244	4.250	3.562
AN101245	4.375	3.688
AN101246	4.500	3.812
AN101247	4.625	3.938
AN101248	4.750	4.062
AN101249	4.875	4.188
AN101250	5.000	4.312
AN101251	5.125	4.438
AN101252	5.250	4.562
AN101253	5.375	4.688
AN101254	5.500	4.812
AN101255	5.625	4.938
AN101256	5.750	5.062
AN101257	5.875	5.188
AN101258	6.000	5.312

How to read the part number

Part	Meaning
Format	AN101<dash>
Example	AN101258 — Hex head bolt, .3125-24 UNF-3A, L 6.000, K 5.312

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Notes

- Each part number is one length L; K is the length to full thread (+.000 –.060). Where K shows a dash, the thread runs to the head with two imperfect threads max. Do not use unassigned part numbers.
- Shank straight within .003 FIR per inch of bolt length; thread pitch diameter concentric with the shank within .006 FIR; shank concentric with the washer face diameter and hexagon within .015 FIR.
- Bearing face square with the shank within .003 FIR; head chamfer 30° to the bearing face diameter (opposite side optional); fillet under the head R .005 to .015; max 2 imperfect threads.
- Thread per MIL-S-7742. Material identification per AMS2800, raised or depressed .010 max.
- All parts undergo magnetic inspection per AMS2640. Break sharp edges .003 to .015 unless otherwise specified. Unless otherwise specified: linear ±.010, angular ±2°.
- Approved data governs. Use the bolt the SRM, drawing or IPC calls for.

SOURCES · AN101201 thru AN101300 Rev. 3, 30 Jun 1986 — Bolt — Hex Head, .3125-24

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/structural-bolts/an101201-an101300/

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

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