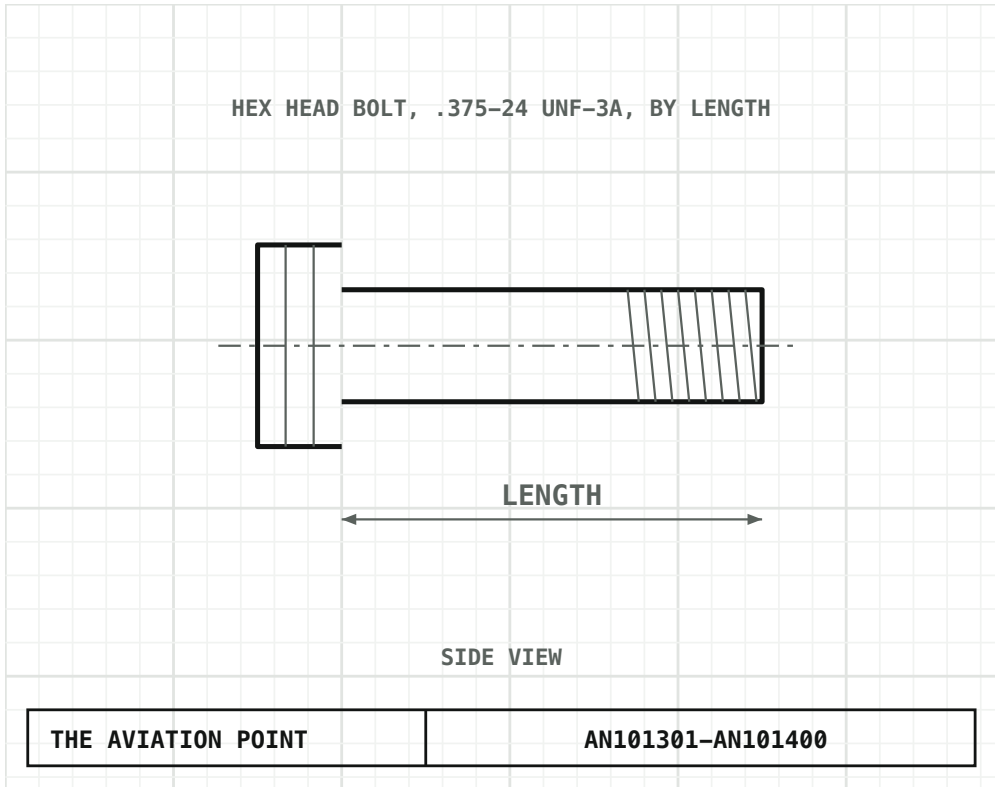
AN101301-AN101400 — hex head bolt, .375-24 UNF-3A, by length

AN101301-AN101400: .375-24 UNF-3A hex head bolt, one part number per length, AN101306 to AN101356.



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. Notice 2 (Sep 2001): the document remains inactive for new design and is valid for use.

Dimensions by size

Dimension, in	.375-24 UNF-3A
Thread	.375-24 UNF-3A
A max — A dia (shank), max	.374
A min — A dia (shank), min	.371
B max — B, max (across flats)	.564
B min — B, min (across flats)	.553
C — C, min (across corners)	.633
D — D (head height)	.219
W — W dia (bearing face, head chamfer 30°)	.562
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

.375-24 UNF-3A 51 part numbers

Part no.	L, in	K to full thread, in
AN101306	.750	—
AN101307	.812	—
AN101308	.875	.125
AN101309	.938	.188
AN101310	1.000	.250
AN101311	1.062	.312
AN101312	1.125	.375
AN101313	1.188	.438
AN101314	1.250	.500
AN101315	1.312	.562
AN101316	1.375	.625
AN101317	1.438	.688
AN101318	1.500	.750
AN101319	1.562	.812
AN101320	1.625	.875
AN101321	1.688	.938
AN101322	1.750	1.000
AN101323	1.875	1.125
AN101324	2.000	1.250
AN101325	2.125	1.375
AN101326	2.250	1.500
AN101327	2.375	1.625
AN101328	2.500	1.750
AN101329	2.625	1.875
AN101330	2.750	2.000
AN101331	2.875	2.125
AN101332	3.000	2.250
AN101333	3.125	2.375
AN101334	3.250	2.500
AN101335	3.375	2.625
AN101336	3.500	2.750
AN101337	3.625	2.875
AN101338	3.750	3.000
AN101339	3.875	3.125
AN101340	4.000	3.250
AN101341	4.125	3.375
AN101342	4.250	3.500
AN101343	4.375	3.625
AN101344	4.500	3.750
AN101345	4.625	3.875
AN101346	4.750	4.000
AN101347	4.875	4.125
AN101348	5.000	4.250
AN101349	5.125	4.375
AN101350	5.250	4.500
AN101351	5.375	4.625
AN101352	5.500	4.750
AN101353	5.625	4.875
AN101354	5.750	5.000
AN101355	5.875	5.125
AN101356	6.000	5.250

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

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How to read the part number

Part	Meaning
Format	AN101<dash>
Example	AN101356 — Hex head bolt, .375-24 UNF-3A, L 6.000, K 5.250

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 .0025 FIR per inch of bolt length; thread pitch diameter concentric with the shank within .006 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 · AN101301 thru AN101400 Rev. 3, 30 Jun 1986 — Bolt — Hex Head, .375-24

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/structural-bolts/an101301-an101400/

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

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