

Aircraft Extension Drill Bit Size Chart

This chart provides detailed drill bit sizes for aircraft extension drills, conforming to ASME B94.11M-12 standards. It specifies fractional drill sizes, decimal equivalents, flute lengths, and overall lengths.

Size	Decimal Equivalent	Flute Length	Overall Length
1/16	0.0625	7/8	12
5/64	0.0781	1	12
3/32	0.0938	1-1/4	12
7/64	0.1094	1-1/2	12
1/8	0.1250	1-5/8	12
9/64	0.1406	1-3/4	12
5/32	0.1562	2	12
11/64	0.1719	2-1/8	12
3/16	0.1875	2-1/4	12
13/64	0.2031	2-7/16	12
7/32	0.2188	2-1/2	12
15/64	0.2344	2-5/8	12
1/4	0.2500	2-3/4	12
17/64	0.2656	2-7/8	12
9/32	0.2812	2-15/16	12
19/64	0.2969	3-1/16	12
5/16	0.3125	3-1/8	12
21/64	0.3281	3-1/4	12
11/32	0.3438	3-5/8	12
23/64	0.3594	3-7/8	12
3/8	0.3750	4-1/8	12
7/16	0.4375	4-5/8	12
1/2	0.5000	4-1/2	12

****Note:** Split point drills available from 1/8" and above sizes

Overview

Aircraft Extension Drill Bit Standards

This reference chart provides comprehensive dimensional data for aircraft extension drill bits, strictly adhering to the ASME B 94.11M-12 standard. It serves as an essential guide for machinists and procurement professionals to quickly identify fractional drill sizes, their decimal equivalents, and associated flute lengths. Designed for precision, this chart ensures consistency across all listed sizes, which feature a uniform 12-inch overall length.

Technical Specifications

Standard Compliance	ASME B 94.11M-12
Overall Length	12 inch
Size Range	1/16 inch to 1/2 inch
Split Point Availability	Available from 1/8 inch and above

Dimensional Data

Drill Bit Dimensions

Fractional Size	Decimal Equivalent	Flute Length (in)
1/16	0.0625	7/8
1/8	0.125	1-5/8
1/4	0.25	2-3/4
3/8	0.4375	4-1/16
1/2	0.5	4-1/2