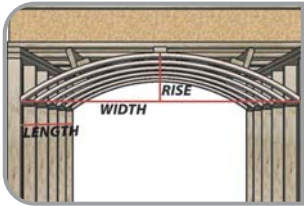


How to Measure a Barrel Vault



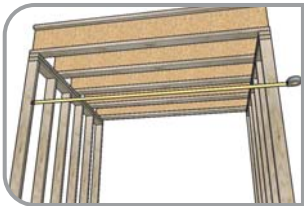
Understanding the Measurements

Length= the distance from one end to the other end.
Width= the span of the barrel vault.
Rise= the drop of the arch as measured from the apex of the arch to the lowest point it encounters the trimmer.



1

Determine the length of your barrel vault to the nearest quarter inch.



2

Determine the width of your barrel vault to the nearest quarter inch.



3

Choose your style: soft, half circle, or elliptical. If you choose soft, determine your rise to the nearest quarter inch. Reference the "Finding Your Soft Rise" on the right for the 3 most popular methods of deriving your rise.



4

Determine your location. The barrel vault kit will be labeled with the location of where it will be installed. This will ensure accurate placement during installation.

Choosing Your Style

1. What arch style suits me best?

If you want consistency, then take a look at your arch-top windows. Are they soft, half-circle or elliptical?

2. Can I mix different arch styles under one roof?

Yes! The most common scenario for having different arch styles in one home is having the half circle and elliptical arches together. These styles blend well and provide a perfect solution for larger openings in which your half circle arch would drop to far.

Finding Your Soft Rise

1. Constant Rise= all openings no matter the width would have the same rise. For example, a 3'-0" and a 10'-0" opening would have the same rise even though the widths are different.

2. Percentage Ratio= a constant % is multiplied to the width of every opening. For example, using a 16% ratio would keep your arches looking proportional throughout the entire home (width x .16 = rise).

3. Rise Chart= a tool used to reference the width of an opening to acquire your rise. Reference the "Rise Chart" below.

Rise Chart

Width	Rise	Width	Rise
0 - 12"	2"	96 - 108"	18"
12 - 24"	4"	108 - 120"	20"
24 - 36"	6"	120 - 132"	22"
36 - 48"	8"	132 - 144"	24"
48 - 60"	10"	144 - 156"	26"
60 - 72"	12"	156 - 168"	28"
72 - 84"	14"	168 - 180"	30"
84 - 96"	16"	180 - 192"	32"

Still have questions? View the photo galleries or give us a call toll free.

Qty	Depth	Width	Rise	Style	Location
1	144	56 ½	12	Soft	Bedroom Hallway
1	144	56 ½		Half Circle	Bedroom Hallway
1	144	56 ½		Elliptical	Bedroom Hallway

4

3

2

1

D

D

Width:
30" - 36"

Rise:
10" approx.

Width:
36" - 42"

Rise:
10" approx.

Width:
42" - 48"

Rise:
10" approx.

Width:
48" - 54"

Rise:
12" approx.

Width:
54" - 60"

Rise:
13" approx.

Width:
60" - 66"

Rise:
14" approx.

Width:
66" - 72"

Rise:
14" approx.

Width:
72" - 78"

Rise:
16" approx.

C

C

Width:
78" - 84"

Rise:
17" approx.

Width:
84" - 96"

Rise:
18" approx.

Width:
96" - 108"

Rise:
20" approx.

Width:
108" - 120"

Rise:
21" approx.

Width:
120" - 132"

Rise:
24" approx.

B

B

Width:
132" - 144"

Rise:
26" approx.

Width:
144" - 168"

Rise:
28" approx.

Width:
168" - 192"

Rise:
30" approx.

A

A

Elliptical Rise CAD

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SIZE
C

DWG NUMBER
01-13-09-216

SCALE NA

REV -

SHEET 1 OF 1

4

3

2

1