



2 WOOD PRODUCTS
Curved Components

CURVED DOORS & ACCESSORIES

WOOD PRODUCTS

CURVED CABINET DOORS & ACCESSORIES - General Information

Ordering:

An easy to use radius door order form is located on our website. You may also request a copy from your Customer Service Specialist. When using your own forms, please include all information relevant to the door. CAD drawings or hand drawings, that include all measurements, are also ways of sending information for quote requests.

Door Styles:

Radius doors are available in most tenon and miter styles in this catalog along with most profiles. Refer to pages 27-33 for the tenon door stile and rail options, panel options and outside edge options. Refer to pages 40-58 for the miter door options and pages 29-31 for the panel options. Slab type curved doors are also available; refer to pages 62-64 for details. Custom profiles are available; please contact your Customer Service Specialist to receive a quote.

Wood Species:

Refer to the "Wood Grades" on pages 10-13 in the "General Information" section of the catalog for the available wood species. HDF can be specified for paint grade curved doors and moldings, please specify this on your order/quote request form.

Tolerances:

Elias Woodwork warrants that the radius doors have a size tolerance of +/- 1 mm.

Industry Applications:

Elias Woodwork specializes in industries where design is the main focus, no matter the quantity. Radius doors are commonly used in designs for kitchens, bathrooms, in commercial settings and the RV industry. Curved doors tend to be the "highlight" in the design and help to establish the overall look and feel of the design. Working with companies in these industries has allowed Elias Woodwork to produce orders in large quantities on an ongoing basis.

With a new sophisticated production system coupled with highly skilled and inventive employees you have a one-stop manufacturer for your custom designed radius door and large quantity orders. Elias Woodwork will produce your radius doors the way they were designed; you specify the radius and we will manufacture to your specification.

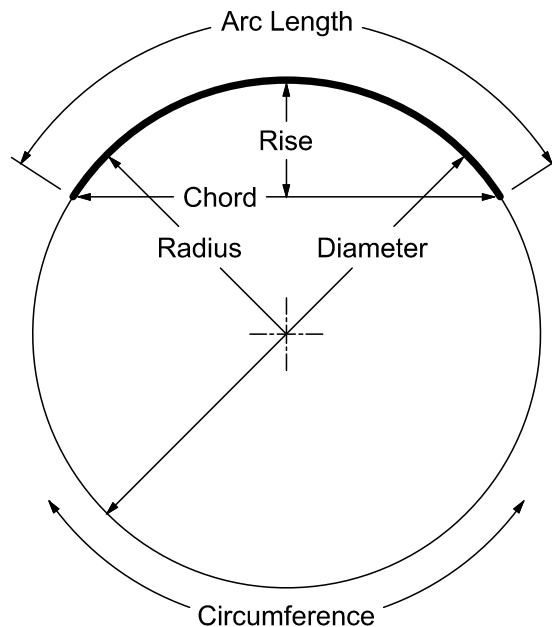


Glossary of Terms

When ordering or talking about curved products please refer to the following terms used by the craftspeople of Elias Woodwork.

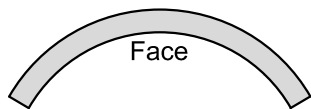
1. Glossary for the following terms:

- Radius
- Diameter
- Chord
- Rise
- Arc Length
- Circumference

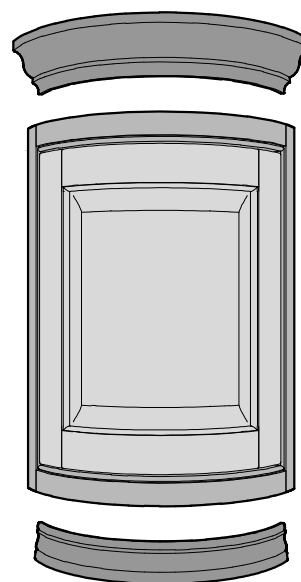
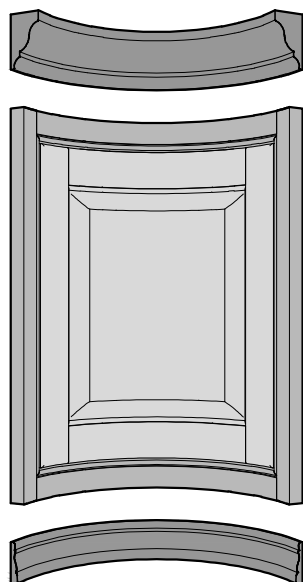
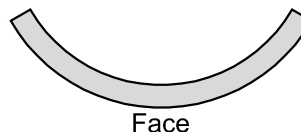


2. Glossary when referring to convex and concave:

Concave:



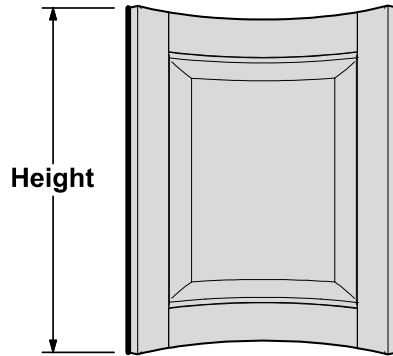
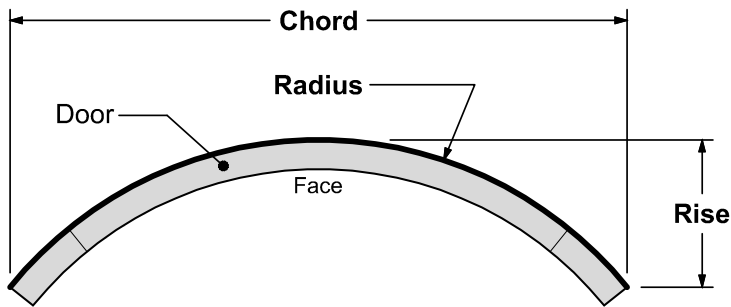
Convex:



Ordering Curved Cabinet Doors

Diagram #1

Concave:



Required Concave Measurements for diagram #1:

- Radius
- Chord
- Height

----- **OR** -----

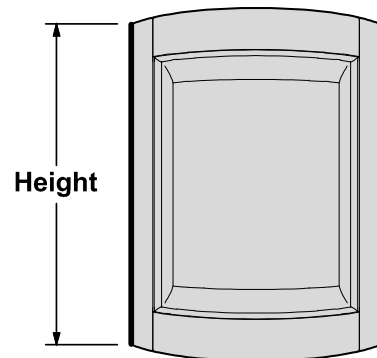
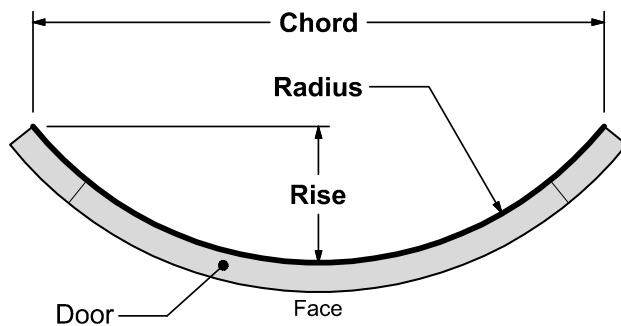
Required Convex Measurements for diagram #2:

- Rise
- Chord
- Height

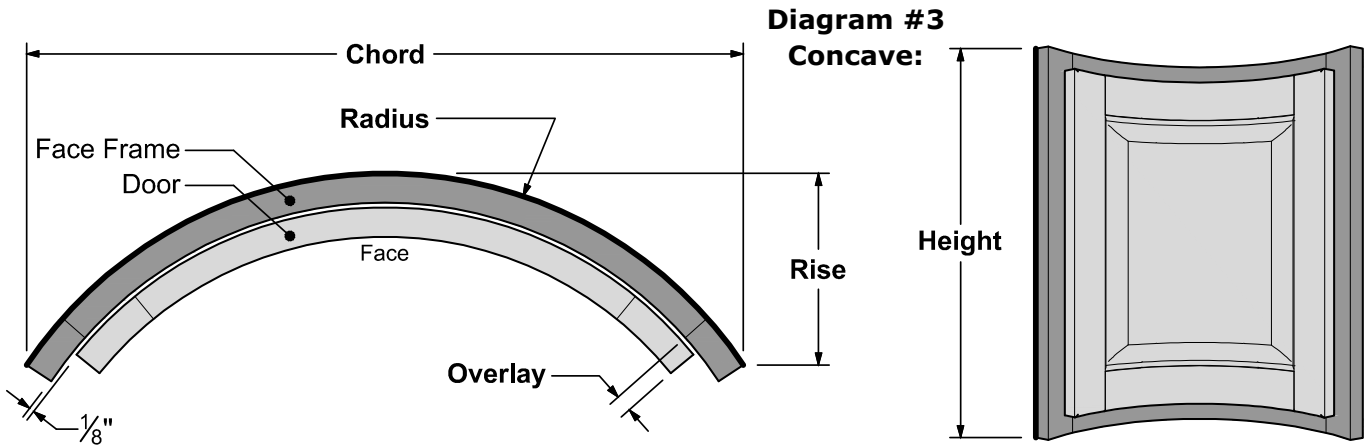
When ordering curved cabinet doors you will need to complete measurements for one of the following diagrams. Please note the points where the measurements are taken from as this is critical in making the door fit accurately. After wood species and door code has been established **ONE** of the following diagrams needs to be completed before manufacturing can start. Door code and wood species is required along with the Rise, Height, Chord or Radius. See diagrams #1 and #2.

Diagram #2

Convex:



Curved Overlay Face Frame & Door



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Our standard overlay face frame is made from our square four sided material (reference page 91, product code "S" to view this cross section). Our standard joinery for the face frames is the pocket screw method. Please note that this pocket screw will be visible from the back side. When ordering curved overlay face frames you will need all measurements for one of the following diagrams. Note the points where the measurements are taken from as this is critical in making the face frame fit accurately. When ordering curved face frames with curved doors you need to supply measurements for the face frames only, the door measurements will be a calculation taken from the face frame measurements and done for you. The door overlay is the only measurement required on the curved door. Please supply measurements for either diagram #3 or #4.

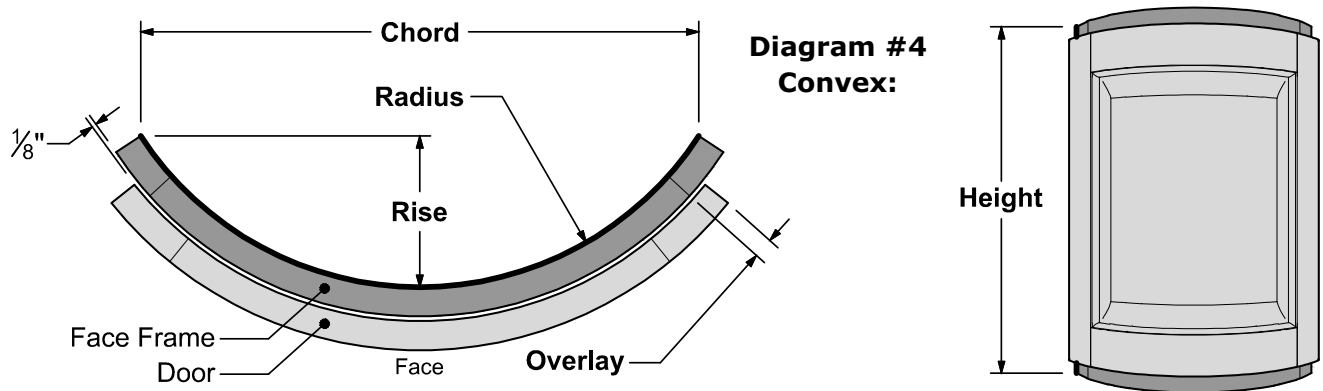
Required Concave Measurements for diagram #3:

- Radius
- Chord
- Height
- Door Overlay

- - - - - OR - - - - -

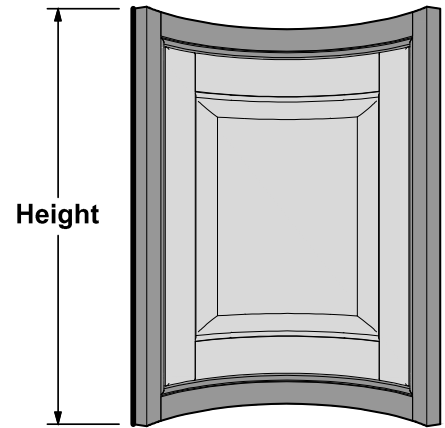
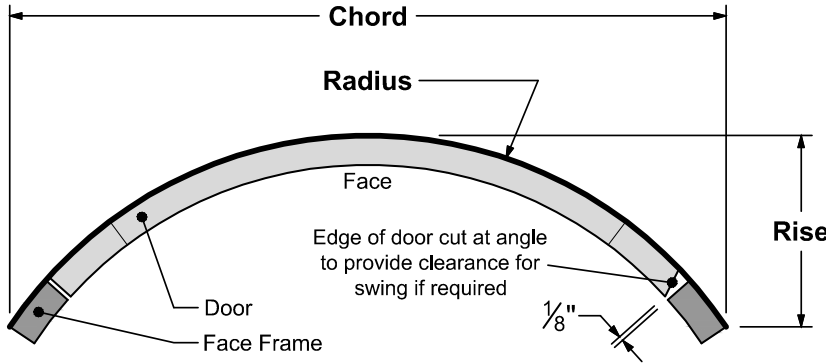
Required Convex Measurements for diagram #4:

- Rise
- Chord
- Height
- Door Overlay



Curved Inset Face Frame & Door

Diagram #5
Concave:



Our standard inset face frame can be made from our square four sided material (reference page 91, product code "S" to view this cross section) or our beaded face frame material (reference page 91, product code "B" to view this cross section). Our standard joinery for the face frames is the pocket screw method. Please note that this pocket screw will be visible from the back side. When ordering curved inset face frames you will need all measurements for one of the following diagrams. Note the points where the measurements are taken from as this is critical in making the face frame fit accurately. When ordering curved face frames with curved doors you need to supply measurements for the face frames only, the door measurements will be a calculation taken from the face frame measurements and done for you.

Required Concave Measurements for diagram #5:

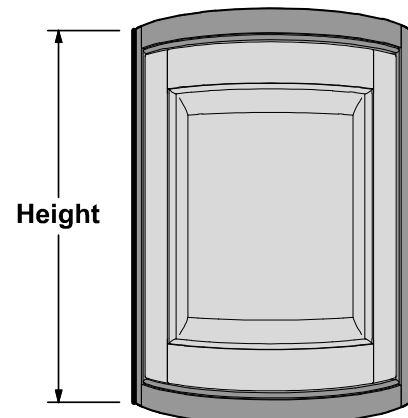
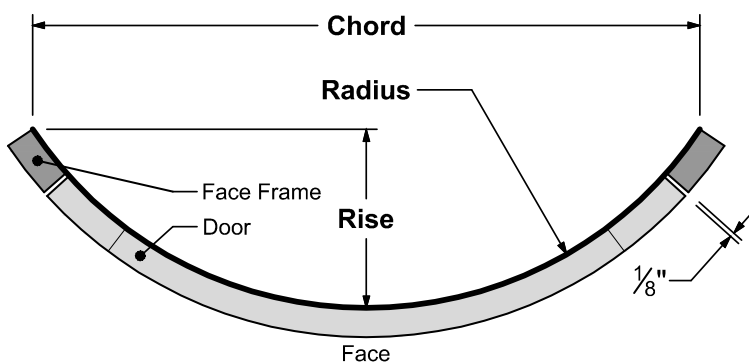
- Radius
- Chord
- Height

----- **OR** -----

Required Convex Measurements for diagram #6:

- Rise
- Chord
- Height

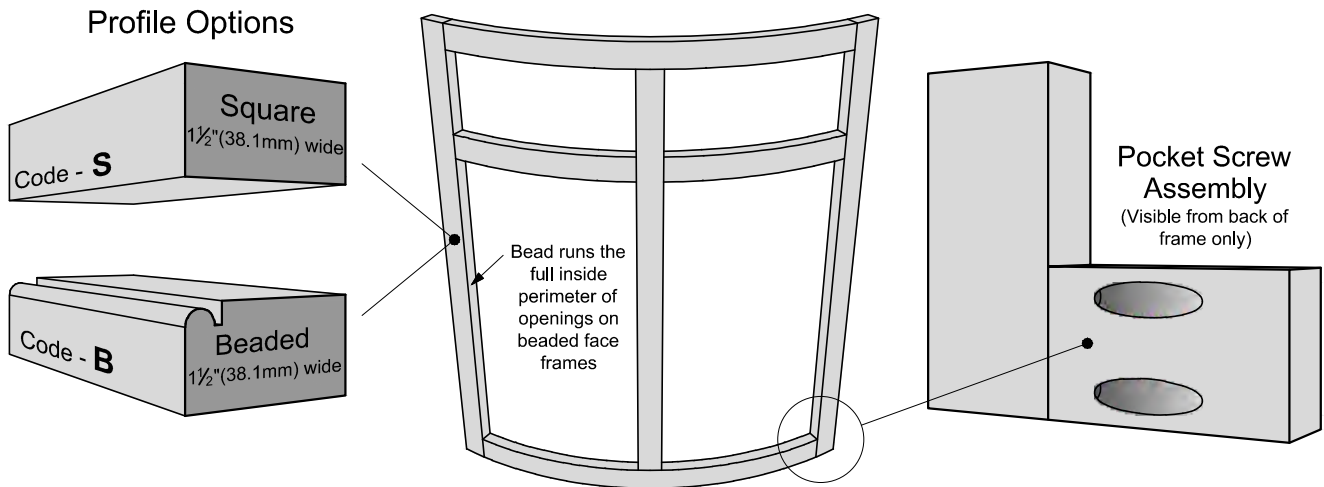
Diagram #6
Convex:



Face Frame Standard Options

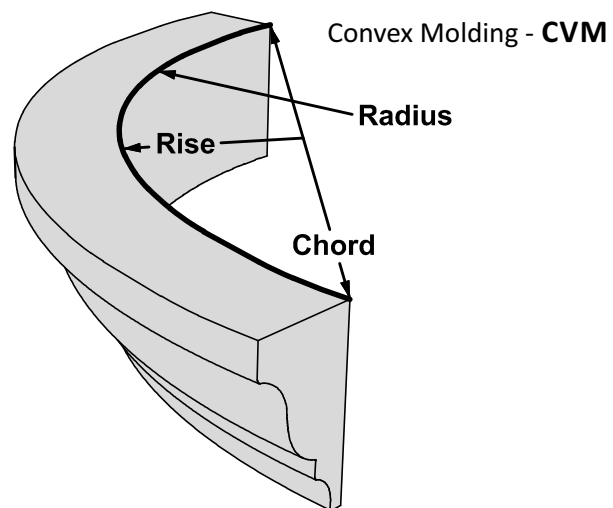
We have two standard options for face frames to choose from. Our standard face frame width is 1.5" and our standard thickness is 0.8", to match the cabinet door thickness. If you require other sizes of stiles or rails on the face frame, please specify upon ordering. When ordering the overlay face frames with cabinet doors the door overlay must be provided as there is no standard measurement. When ordering overlay face frames, please note

the default is our Square profile (Code = "S"). When ordering inset face frames you must choose the Square option (Code = "S") or the Beaded option (Code = "B"). When the Beaded option is chosen, note that the bead will be on the inside of the face frame, up against the outside of the cabinet door. The door measurements will be a calculation taken from the face frame measurements and will be done for you.

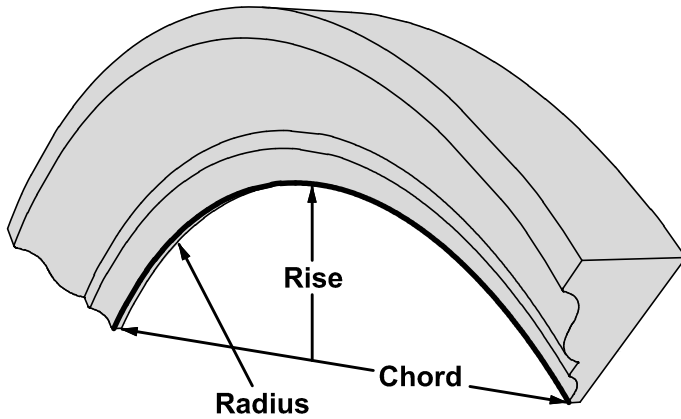


Convex, Concave & Arched Molding

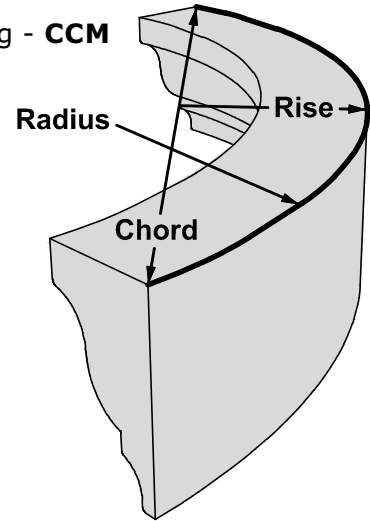
The craftspeople of Elias Woodwork are able to manufacture almost any molding as a radius or arch to your specification. When curved or arched moldings are required for your project please take into consideration the following diagrams, they will help in describing what is required and what measurements are required for manufacturing. It is also critical to show the points where the measurements are taken from as this is critical to making an accurately fitting piece. Lastly, these diagrams tell you the terminology that the craftspeople at Elias Woodwork use in describing curved or arched moldings. Please use these terms when ordering to ensure a proper fitting molding.



Arched Molding - **ARCM**



Concave Molding - **CCM**



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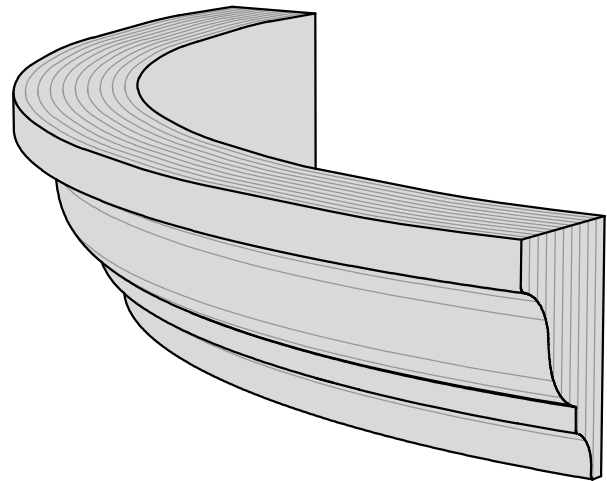
Glue-up Methods

Solid Wood

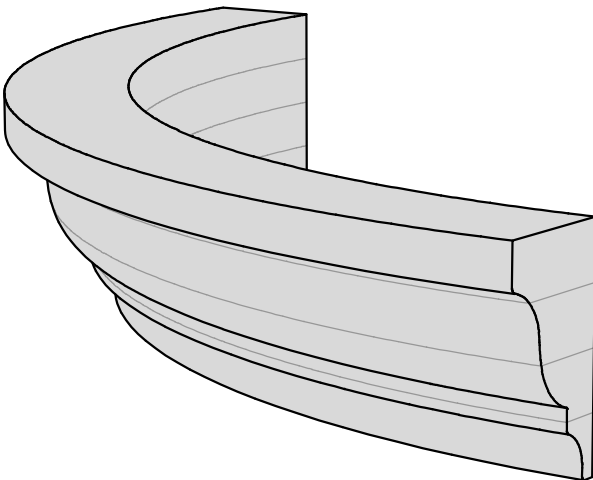
The following diagrams show three different methods of gluing up the solid wood for the curved or arched moldings. These glue-up methods will produce different looks, so it is essential to pick the appropriate glue-up method for results that best suit your project.

Paint Grade

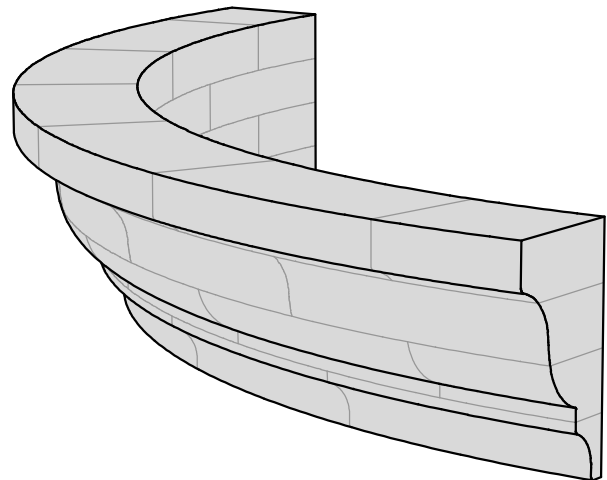
Our paint grade curved and arched moldings are manufactured in medium density fiberboard (HDF). When they are ordered as "paint grade" our default is to use HDF unless otherwise specified. If wood is required for painting, please specify the wood species and glue-up method.



"Strip" Style Glue-up - **SG**



"HDF" Style Glue-up - **MG**



"Block" Style Glue-up - **BG**

Available Molding Profiles

Following is a list of moldings that Elias Woodwork produces that do not require tooling charges. These "J" numbers can be viewed in the molding section of the catalog, starting with page number 134. These moldings can be made to your specific radius or arch. Refer to page 91 and 92 for required measurements and for choosing glue-up methods. Other profiles can be made, simply send in a diagram with the desired profile and an estimate will be sent to you. Drawings can be sent through email. If you prefer to send an email with a CAD file please note that we are able to open most CAD files.

List of Standard Tooling for Curved and Arched Molding:

Crown Moldings

- J004 (pg. 151)
- J008 (pg. 149)
- J011 (pg. 147)
- J012 (pg. 152)
- J059 (pg. 148)
- J070 (pg. 146)
- J113 (pg. 147)
- J117 (pg. 147)
- J118 (pg. 147)
- J123 (pg. 153)
- J124 (pg. 153)
- J127 (pg. 148)
- J181 (pg. 148)
- J806 (pg. 149)
- J807 (pg. 149)
- J809 (pg. 149)
- J882 (pg. 147)
- J884 (pg. 149)
- J888 (pg. 148)
- J889 (pg. 146)
- J957 (pg. 148)
- J1118 (pg. 151)
- J1155 (pg. 150)
- J1312 (pg. 157)
- J1486 (pg. 155)
- J1499 (pg. 150)
- J1517 (pg. 149)
- J1612 (pg. 150)

Light Rail

- J192 (pg. 155)
- J940 (pg. 155)
- J1205 (pg. 155)
- J1261 (pg. 155)
- J1486 (pg. 155)
- J1629 (pg. 155)
- J1630 (pg. 155)
- J1796 (pg. 154)
- J1803 (pg. 154)
- J1805 (pg. 154)

Bar Rails

- J041 (pg. 160)

Casing and Base Boards

Any of the "J" numbers in the Casings and Baseboards section shown in this catalog starting on page 135 ending on page 143 can be made as a curve or an arch. Please specify measurements, glue-up stile, wood species, "J" number and quantity to receive an estimate.

