

Convex / Concave Product Radii

WalzCraft offers all of the sizes listed below as standard radii for “Traditional”, “Mitered”, Raw MDF Style 500 and Veneered Style 60 Curved Products.

- All Radii are based on ¾" [19.1mm] thick doors.
- All Radii are calculated to the center of a ¾" [19.1mm] thick door.
- (*) indicates the only radius options available for **Door Styles 20, 30, 2000, 2020, 2500, 3000, 3030, 3500, 3535, 4000, 5000.**
- Please refer to **Sections E.9 - E.11** for Mitered / French Mitered Profile options available on Curved Products.
 - **[C]** = Profile available on Curved doors. **[FM]** = Profile available on French Miter doors.
 - Door styles **10FM** and **10FM*** are only available in radii 12" and greater.

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“Traditional” and “Mitered” Profiles	Radius In Inches	Radius In Millimeters	Minimum Chord Length	Maximum Chord Length
<i>Slab Door Only</i>	6	152.40	<i>Minimum Chord Lengths will be evaluated on a per order basis.</i>	<i>Half Circle</i>
3" [76.2mm] Increment Between Sizes	9	228.60		
	12 *	304.80		
	15	381.00		
	18 *	457.20		
	21	533.40		
	24 *	609.60		
	27	685.80		
	30	762.00		
	33	838.20		
	36	914.40		
	39	990.60		
	42	1066.80		
	45	1143.00		
	48	1219.20		
	51	1295.40		
	54	1371.60		
	57	1447.80		
	60	1525.00		
63	1600.20			
66	1676.40			
69	1752.60			
72	1828.80			
75	1905.00			
78	1981.20			
81	2057.40			
84	2133.60			
87	2209.80			
90	2286.00			
93	2362.20			
96	2438.40			
12" [304.8mm] Increment Between Sizes	108	2743.20		
	120	3048.00		
	132	3352.80		
	144	3657.60		
	156	3962.40		
	168	4267.20		
	180	4572.00		
	192	4876.80		
24" [609.6mm] Increment Between Sizes	204	5181.60		
	216	5486.40		
	228	5791.20		
	252	6400.80		
	276	7010.40		
	300	7620.00		
	324	8229.60		
	348	8839.20		
	372	9448.80		
	396	10058.40		
	420	10668.00		
	444	11277.60		
468	11887.20			
492	12496.80			
516	13106.40			
				<i>14 Feet</i>

► **For PRICING** ► See Section **D.1** in our Wholesale Pricing Catalog.



Ordering & Pricing Notes: Convex/Concave Products

Ordering Guidelines

1	Order Forms	Please use one of the following order forms where applicable: <ul style="list-style-type: none"> • <i>Curved Door Order Form (E•Z Form #11).</i> • <i>Curved Drawer Front Order Form (E•Z Form #11.1)</i> • <i>Assembled Curved Face Frame Order Forms (E•Z Form #11.2).</i> • <i>Curved Molding Order Form (E•Z Form #11.3).</i>
2	Gap Dimension	The following information must be noted when placing an order for curved products: <ul style="list-style-type: none"> • The gap dimension between a pair of doors for Convex or Concave overlay. • The gap dimension between a door and face frame for Convex or Concave inset.
Pricing		
1	Pricing	Please see <i>Section D.1</i> of the Wholesale Pricing Catalog.

Technical Notes: Convex/Concave Products

Cabinet Door & Drawer Front Options (Chapter B)

1	Door and Drawer Front Styles	<p>Raised Panel Styles: 10, 10*, 10FM, 10FM*, 10M, 10M*, 20, 1000, 1010, 1010*, 1941, 2000, 2020, 2271, 2272, 2291L, 2291R, 2500, 2525, 4000, 8000 8020, 8030, 8045, 8050 are the only options available for Convex or Concave. Frame and mullion options in these door styles are also available.</p> <p>Flat Panel Styles: 30, 40, 40*, 40FM, 40FM*, 40M, 40M*, 3000, 3030, 3271, 3272, 3291L, 3291R, 3500, 3535, 4020, 4030, 4040, 4040*, 4041, 4043, 4044, 4045, 4150, 5000 are the only options available for Convex or Concave. Vertical grain only. Frame and mullion options in these door styles are also available.</p> <p>Door Styles 20, 30, 2000, 2020, 2500, 2525, 3000, 3030, 3500, 3535, 4000 & 5000 are only available with a 12", 18" or 24" radius and have a maximum rail width of 23". Not available with Applied Moldings.</p> <p>Door styles 10FM, 10FM*, 40FM and 40FM* are only available in radii 12" and greater.</p> <p>Slab Styles: 1270, 1270*, 34SQA*, Raw MDF 500 & 500*, 60 and 60*</p> <p>Door Styles 60 and 60* are only available with Edgeband Treatment options EBT201, EBT201-R, EBT401 and EBT401-R.</p>
2	Lite Pattern Options	LP001, LP108, LP109, LP110 and LP118 are the <i>only</i> lite pattern options available.
3	Style #1270 Doors and Drawer Fronts	The radius may be affected by expansion, contraction and moisture issues. Style #1270 Doors & Drawer Fronts are constructed with NO battens and will carry no warranty against warpage.

Convex / Concave Options (Chapter D)

1	Identifying Curved Products	This symbol ☐ is used throughout the catalog to represent profiles and options that are available when ordering Curved Products.
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Design Options (Chapter G)

1	Center Panel Face Routing	All Center Panel Face Rout options are available, but limited to Convex products only.
	Decorative Inserts	The Butterfly Insert (BI100) is <i>not an option</i> for a Curved Product.

Face Frame Options (Chapter J)

1	Face Frame Construction	Convex and Concave Face Frames will be constructed with Domino Tenon Joinery.
		Not available RTA (Ready to Assemble).

Finish Options (Chapter R)

1	3D Laminate (RTF)	3D Laminate (RTF) is not an option for Curved Products.
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Functional Options (Chapter F)

1	Hinge Boring	HBP100 only. Please see <i>Section F.1</i> .
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► For PRICING ► See Section D.1 in our Wholesale Pricing Catalog.

Technical Notes: Convex/Concave Products...continued

General Information (Chapter A)

1	Standard and Non-Standard Part Sizes	Stiles & Rails for doors, drawer fronts and face frames can be ordered from 1½" [38.1mm] wide to 4½" [114.3mm] wide, in ¼" [6.4mm] increments and will not be subject to additional charges. Stiles & Rails ordered in widths outside of these dimensions will incur a Non-Standard Part Size charge.
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Profile Options

1	Center Panel Grain Direction Options	WalzCraft prefers that ALL convex/concave solid wood slabs and solid wood center panels have a vertical grain direction, including paint grades , to help ensure quality and avoid any warping, cupping or twisting that may occur.
		Center panels with vertical grain are available in: <ul style="list-style-type: none"> • ¼" [6.4mm] flat panel wood veneers • ⅝" [15.9mm] solid wood raised panels • ⅜" [9.5mm] RVSCP-PR324 (Reversed Solid Center Panel) Profile
		RVSCP-PR324 solid wood reversed center panels are also available in ⅜" [9.5mm] Raw MDF.
		Raw MDF is not an option for any other ⅝" [15.9mm] solid wood raised center panel profile.
		¾" [19.1mm] thick, convex/concave raised panel doors using a ⅝" [15.9mm] thick profiled center panel, will have a center panel that is flush with the stiles and rails on the face only . <ul style="list-style-type: none"> • The center panel will be recessed below the stiles and rails on the back side of the door.
		Horizontal grain will only be available with: <ul style="list-style-type: none"> • ¼" [6.4mm] Flat Panel wood veneer doors and drawer fronts <ul style="list-style-type: none"> ◦ Only available for radii 12" [304.8mm] or greater. ◦ Only available for arc lengths 31½" [800mm] or less. ◦ Maximum interior visual opening height is 47⅝" [1197mm]. • Style 60 Slab veneer doors
2	Pre-Finishing Options	Vertical grain is the only option when: <ul style="list-style-type: none"> • Pre-finishing convex/concave solid wood slabs and/or doors/drawer fronts with solid wood center panels • Priming for Paint only • Using a SolidTone® finish
		SolidTone® colors are not an option when ordering convex/concave doors or drawer front with horizontal grain on the center panel.
		Stain and SolidTone® WoodGrain finishes are available on convex/concave doors or drawer fronts with horizontal grain on the center panel.

Sizes / Dimensions

1	Thickness	Available in ¾" [19.1mm] and 1" [25.4mm] thicknesses.
		Raw MDF Style 500 and 500* are only available in a ¾" [19.1mm] thickness.
2	Door / Face Frame Maximum Height	Maximum height for doors and face frames is 96" [2438.4mm].
3	6" Radii	Due to the small size of parts with a 6" radius, additional charges may be incurred to construct fixtures to hold parts, or to use alternate sanding and assembly methods.
4	Maximum Rail Size	The maximum rail size for Convex / Concave doors and drawer fronts is 13".

