

Bemo Curving Guidelines – Curves & Custom Applications

EXTREME FLEXIBILITY

Convex, concave or even “S” curves can be easily and efficiently accommodated by the BEMO System. The BEMO panels can be curved by means of a specially developed rolling mill that can curve the BEMO panels smoothly to a radius as tight as 4.25 m or less, depending on the profile and material used.



Bemo 305, 400 & 500 Convex Lay-down Curves

Minimum Panel Radius without mechanical curving

Aluminium		Steel	
Thickness	Min. Radius	Thickness	Min. Radius
0.8 mm	38.10 m	0.61 mm	53.34 m
1.0 mm	41.16 m	0.76 mm	65.53 m
1.27 mm	44.20 m	0.91 mm	76.20 m

Zinc		Copper	
Thickness	Min. Radius	Thickness	Min. Radius
0.8 mm	53.34 m	0.55 mm	53.34 m
1.0 mm	56.39 m	0.68 mm	56.39 m
1.25 mm	60.96 m	0.82 mm	60.96 m

Bemo 305 Convex Mechanical Curves

Minimum Panel Radius with mechanical curving

Aluminium		Steel	
Thickness	Min. Radius	Thickness	Min. Radius
0.8 mm	5.18 m	0.61 mm	9.75 m
1.0 mm	3.66 m	0.76 mm	9.75 m
1.27 mm	3.05 m	0.91 mm	9.75 m

Zinc		Copper	
Thickness	Min. Radius	Thickness	Min. Radius
0.8 mm	9.14 m	0.55 mm	7.62 m
1.0 mm	9.14 m	0.68 mm	6.71 m
1.25 mm	9.14 m	0.82 mm	4.57 m

Bemo 305 & 400 Concave Mechanical Curves

Minimum Panel Radius with mechanical curving

Aluminium		Steel	
Thickness	Min. Radius	Thickness	Min. Radius
0.8 mm	5.49 m	0.61 mm	10.06 m
1.0 mm	3.96 m	0.76 mm	10.06 m
1.27 mm	3.66 m	0.91 mm	10.06 m

Zinc		Copper	
Thickness	Min. Radius	Thickness	Min. Radius
0.8 mm	7.62 m	0.55 mm	10.06 m
1.0 mm	5.49 m	0.68 mm	9.14 m
1.25 mm	4.88 m	0.82 mm	6.10 m

Bemo 400 Convex Mechanical Curves

Minimum Panel Radius with mechanical curving

Aluminium		Steel	
Thickness	Min. Radius	Thickness	Min. Radius
0.8 mm	9.14 m	0.61 mm	12.19 m
1.0 mm	6.10 m	0.76 mm	12.19 m
1.27 mm	4.57 m	0.91 mm	12.19 m

Zinc		Copper	
Thickness	Min. Radius	Thickness	Min. Radius
0.8 mm	8.23 m	0.55 mm	10.06 m
1.0 mm	6.10 m	0.68 mm	9.14 m
1.25 mm	5.49 m	0.82 mm	6.10 m



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