

Curved Bridge Planning Guide – Single Track Bridges

Type	SKU	Radius	Diameter	Degrees per each bridge section	Chord Length per section	Arc Length per Section	MSRP per section
R2	CurvedR2-Single	30.7"	61.4"	30	15.7"	16.1"	\$ 235
R3	CurvedR3-Single	47.0"	94.0"	22.5	18.3"	18.5"	\$ 265
10 ft. Dia.	Curved10FTD-Single	60.0"	120.0"	22.5	23.4	23.6"	\$ 325
R5	CurvedR5-Single	91.6"	182.8"	15	23.9	24.0"	\$ 298

Useful Formulas:

$$\text{Arc Length } L = \theta \times (\pi/180) \times r,$$

where θ is in degrees, where, L = Length of an Arc. θ = Central angle of Arc. r = Radius of the circle.

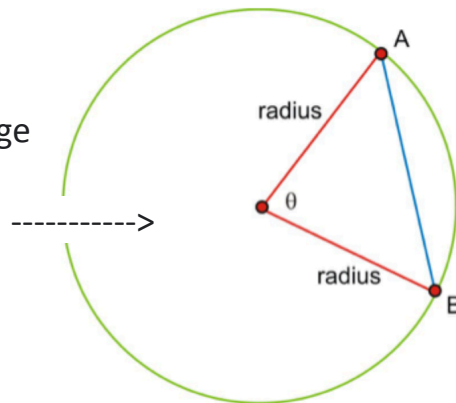
$$\text{Chord Length } C = 2r \times \sin(\theta/2 \times \pi/180)$$

where θ is in degrees, where, C = Length of an Chord. θ = Central angle of Arc. r = Radius of the circle.

For Model Railroaders:

Arc Length = length of track along bridge

Chord Length = linear bridge span AB
(Please see diagram)



- Each bridge section weighs 3 - 4 lbs
- Track and supports are not included
- May be powder coated

