

Example of Standard Speed Skating Tracks

$$\begin{array}{ll}
 1 = 2 \times \text{mean axis} & = 2 \times A & 3 = \text{Outer Curve} & = C \times \pi \\
 2 = \text{Inner Curve} & = B \times \pi & 4 = \text{Crossing} & = \sqrt{A^2 + (\text{width of track})^2} - A
 \end{array}$$

400 m Tracks

Radius inner curve	25 m	
Width of each track	4 m	
1 = 2 x 113.57	= 227.14 m	
2 = 25.5 x 3.1416	= 80.11 m	
3 = 29.5 x 3.1416	= 92.68 m	
4 = $\sqrt{113.57^2 + 4^2} - 113.57$	= 0.07 m	
	400.0 m	

Radius inner curve	25.5 m	
Width of each track	4 m	
1 = 2 x 112.00	= 224.00 m	
2 = 26 x 3.1416	= 81.68 m	
3 = 30 x 3.1416	= 94.25 m	
4 = $\sqrt{112^2 + 4^2} - 112$	= 0.07 m	
	400.0 m	

Radius inner curve	26 m	
Width of each track	4 m	
1 = 2 x 110.43	= 220.86 m	
2 = 26.5 x 3.1416	= 83.25 m	
3 = 30.5 x 3.1416	= 95.82 m	
4 = $\sqrt{110.43^2 + 4^2} - 110.43$	= 0.07 m	
	400.0 m	

333 1/3 m Tracks

Radius inner curve	26 m	
Width of each track	4 m	
1 = 2 x 77.08	= 154.16 m	
2 = 26.5 x 3.1416	= 83.25 m	
3 = 30.5 x 3.1416	= 95.82 m	
4 = $\sqrt{77.08^2 + 4^2} - 77.08$	= 0.10 m	
	333.33 m	

Radius inner curve	25 m	
Width of each track	4 m	
1 = 2 x 80.22	= 160.44 m	
2 = 25.5 x 3.1416	= 80.11 m	
3 = 29.5 x 3.1416	= 92.68 m	
4 = $\sqrt{80.22^2 + 4^2} - 80.22$	= 0.10 m	
	333.33 m	