

Middle Ordinates in Inches

For Railroad Curves

Degree of Curve 100' Chord	Radius in Feet	LENGTH OF RAILS IN FEET								
		39	33	30	28	26	24	22	20	10
0°-30'	11460	3/16	5/32	1/8	3/32	5/64	1/16	3/64	3/64	—
1°-00'	5730	13/32	9/32	15/64	3/16	5/32	1/8	7/64	3/32	1/64
1°-30'	3820	19/32	7/16	11/32	5/16	1/4	7/32	3/16	5/32	1/32
2°-00'	2865	25/32	9/16	29/64	13/32	11/32	19/64	1/4	13/64	3/64
2°-30'	2292	1	23/32	37/64	33/64	7/16	3/8	21/64	17/64	1/16
3°-00'	1910	1 3/16	7/8	11/16	39/64	17/32	7/16	3/8	5/16	5/64
3°-30'	1637	1 13/32	1	27/32	47/64	5/8	33/64	7/16	3/8	3/32
4°-00'	1433	1 19/32	1 1/8	61/64	53/64	23/32	19/32	1/2	27/64	7/64
4°-30'	1274	1 25/32	1 9/32	1 1/16	59/64	13/16	43/64	9/16	15/32	1/8
5°-00'	1146	2	1 7/16	1 3/16	1 1/32	57/64	3/4	5/8	17/32	9/64
5°-30'	1042	2 3/16	1 9/16	1 19/64	1 1/8	63/64	27/32	45/64	37/64	5/32
6°-00'	955.4	2 3/8	1 23/32	1 13/32	1 7/32	1 1/16	29/32	49/64	5/8	5/32
6°-30'	882	2 19/32	1 27/32	1 17/32	1 11/32	1 11/64	63/64	53/64	11/16	11/64
7°-00'	819	2 25/32	2	1 21/32	1 7/16	1 1/4	1 1/16	57/64	47/64	3/16
7°-30'	764.5	3	2 1/8	1 3/4	1 33/64	1 21/64	1 1/8	61/64	25/32	3/16
8°-00'	716.8	3 3/16	2 9/32	1 7/8	1 41/64	1 27/64	1 13/64	1 1/64	27/32	13/64
8°-30'	674.6	3 3/8	2 7/16	2	1 47/64	1 33/64	1 17/64	1 5/64	57/64	7/32
9°-00'	637.3	3 19/32	2 9/16	2 3/32	1 53/64	1 19/32	1 11/32	1 9/64	15/16	15/64
9°-30'	603.8	3 25/32	2 23/32	2 15/64	1 61/64	1 11/16	1 27/64	1 7/32	1	1/4
10°-00'	573.7	4	2 27/32	2 11/32	2 3/64	1 25/32	1 1/2	1 17/64	1 3/64	17/64
11°-00'	524.7	4 3/8	3 1/8	2 19/32	2 1/4	1 61/64	1 43/64	1 13/32	1 5/32	9/32
12°-00'	478.3	4 25/32	3 7/16	2 13/16	2 15/32	2 9/64	1 13/16	1 17/32	1 17/64	5/16
13°-00'	441.7	5 3/16	3 11/16	3 3/64	2 21/32	2 9/32	1 61/64	1 21/32	1 23/64	21/64
14°-00'	410.3	5 9/16	4	3 5/16	2 55/64	2 31/64	2 3/32	1 25/32	1 15/32	23/64
15°-00'	383.1	5 31/32	4 1/4	3 35/64	3 5/64	2 43/64	2 1/4	1 29/32	1 37/64	25/64
16°-00'	359.3	6 11/32	4 9/16	3 3/4	3 9/32	2 53/64	2 13/32	2 3/64	1 43/64	27/64
17°-00'	338.3	6 3/4	4 27/32	4	3 31/64	3 1/32	2 9/16	2 5/32	1 25/32	7/16
18°-00'	319.6	7 5/32	5 1/8	4 7/32	3 43/64	3 3/16	2 45/64	2 9/32	1 7/8	15/32
19°-00'	302.9	7 17/32	5 13/32	4 29/64	3 57/64	3 23/64	2 55/64	2 13/32	1 63/64	31/64
20°-00'	287.9	7 15/16	5 11/16	4 45/64	4 3/32	3 35/64	3	2 35/64	2 3/32	17/32
21°-00'	274.37	8 5/16	5 31/32	4 59/64	4 9/32	3 45/64	3 5/32	2 21/32	2 3/16	35/64
22°-00'	262.04	8 23/32	6 1/4	5 5/32	4 31/64	3 7/8	3 19/64	2 49/64	2 19/64	37/64
23°-00'	250.79	9 3/32	6 1/2	5 25/64	4 11/16	4 3/64	3 29/64	2 57/64	2 25/64	19/32
24°-00'	240.49	9 1/2	6 13/16	5 5/8	4 57/64	4 7/32	3 19/32	3 1/64	2 1/2	5/8
25°-00'	231.01	9 7/8	7 1/16	5 27/32	5 3/32	4 25/64	3 3/4	3 9/64	2 19/32	21/32
26°-00'	222.27	10 1/4	7 3/8	6 5/64	5 19/64	4 9/16	3 57/64	3 17/64	2 45/64	43/64
27°-00'	214.18	10 11/16	7 5/8	6 5/16	5 1/2	4 47/64	4 1/32	3 25/64	2 51/64	45/64
28°-00'	207.67	11 1/16	7 15/16	6 35/64	5 45/64	4 29/32	4 3/16	3 33/64	2 29/32	23/32
29°-00'	199.7	11 7/16	8 3/16	6 49/64	5 57/64	5 5/64	4 21/64	3 41/64	3	3/4
30°-00'	193.2	11 13/16	8 1/2	6 63/64	6 3/32	5 1/4	4 31/64	3 49/64	3 7/64	25/32

