



Black Rhino Structural Grade

100% Recycled HDPE (Post Consumer and Post Industrial) with Fiberglass Added

SPAN TABLES (Joist)

60 Lb/Sq Foot Live Load
12 Inch Center Distance for Joist
78 Degrees F - Limited by Deflection

Size	Actual size		Maximum span	
	Width	Height	Inches	Ft
5/4 x 4	1.1	3.5	39.5	3.3
5/4 x 6	1.1	5.5	61.8	5.1
5/4 x 8	1.1	7.3	81.7	6.8
2 x 4	1.5	3.5	43.7	3.6
2 x 6	1.5	5.4	67	5.6
2 x 8	1.5	7.3	90.2	7.5
2 x 10	1.5	9.25	113.7	9.5
2 x 12	1.5	11.3	138.1	11.5
3 x 4	2.4	3.4	49.4	4.1
3 x 6	2.4	5.5	79.1	6.6
3 x 8	2.4	7.4	105.7	8.8
3 x 10	2.4	9.3	131.8	11
3 x 12	2.4	11.3	158.9	13.2
4 x 4	3.4	3.4	55.1	4.6
4 x 6	3.4	5.4	86.5	7.2
4 x 8	3.4	7.5	118.7	9.9
4 x 12	3.4	11.3	175.3	14.6
5 x 5	4.4	4.4	76.7	6.4
6 x 6	5.4	5.4	99.2	8.3
6 x 8	5.4	7.4	133.6	11.1
6 x 12	5.4	11.3	197.9	16.5
8 x 8	7.3	7.3	142.9	11.9
8 x 10	7.3	9.3	178.4	14.9
10 x 10	9.8	9.8	200.1	16.7

100 Lb/Sq Foot Live Load
12 Inch Center Distance for Joist
78 Degrees F - Limited by Deflection

Size	Actual size		Maximum Span	
	Width	Height	Inches	Ft
5/4 x 4	1.1	3.5	33.9	2.8
5/4 x 6	1.1	5.5	53.1	4.4
5/4 x 8	1.1	7.3	70.3	5.9
2 x 4	1.5	3.5	37.5	3.1
2 x 6	1.5	5.4	57.7	4.8
2 x 8	1.5	7.3	77.7	6.5
2 x 10	1.5	9.25	98.2	8.2
2 x 12	1.5	11.3	119.5	10
3 x 4	2.4	3.4	42.5	3.5
3 x 6	2.4	5.5	68.3	5.7
3 x 8	2.4	7.4	91.5	7.6
3 x 10	2.4	9.3	114.4	9.5
3 x 12	2.4	11.3	138.3	11.5
4 x 4	3.4	3.4	47.5	4
4 x 6	3.4	5.4	74.9	6.2
4 x 8	3.4	7.5	103.2	8.6
4 x 12	3.4	11.3	153.5	12.8
5 x 5	4.4	4.4	66.4	5.5
6 x 6	5.4	5.4	86.4	7.2
6 x 8	5.4	7.4	117.1	9.8
6 x 12	5.4	11.3	175.1	14.6
8 x 8	7.3	7.3	126	10.5
8 x 10	7.3	9.3	158.3	13.2
10 x 10	9.8	9.8	179.4	14.9

150 LB/Sq Foot Live Load
12 Inch Center Distance for Joist
78 Degrees F - Limited by Deflection

Size	Actual size		Maximum Span	
	Width	Height	Inches	Ft
5/4 x 4	1.1	3.5	29.9	2.5
5/4 x 6	1.1	5.5	46.8	3.9
5/4 x 8	1.1	7.3	62.1	5.2
2 x 4	1.5	3.5	33.1	2.8
2 x 6	1.5	5.4	50.9	4.2
2 x 8	1.5	7.3	68.7	5.7
2 x 10	1.5	9.25	86.8	7.2
2 x 12				
3 x 4				
3 x 6				
3 x 8				
3 x 10				
3 x 12				
4 x 4				
4 x 6				
4 x 8				
4 x 12				
5 x 5				
6 x 6				
6 x 8				
6 x 12				
8 x 8				
8 x 10				
10 x 10				