

# Earthmover and Off The Road Bias Ply Tire Repair Application Chart



Maximum Injury Size Inches (mm)	TIRE PLY RATINGS											
	2-4	6-8	10-12	14-16	18-20	22-24	26-28	30-36	38-44	46-52	54-60	62 & Over
1/2 (15)	04	04	04	04	04	04	06	06	06	06	06	06
1 (25)	04	06	06	06	06	06	06	06	06	08	08	010
1-1/2 (40)	04	06	06	06	06	06	08	08	08	08	08	010
2 (50)	04	06	06	08	08	08	08	08	08	08	08	012
2-1/2 (65)	-	06	06	08	08	08	010	010	010	012	012	014
3 (75)	-	06	08	010	010	010	010	010	010	014	014	014
4 (100)	-	-	08	010	010	010	012	012	012	014	014	016
5 (125)	-	-	-	010	010	012	012	012	014	016	016	016
6 (150)	-	-	-	012	012	012	014	014	016	016	018	018
7 (175)	-	-	-	-	012	014	014	016	016	018	018	018
8 (200)	-	-	-	-	-	014	016	018	018	018	018	018
9 (225)	-	-	-	-	-	016	016	018	018	020	020	020
10 (250)	-	-	-	-	-	-	018	018	020	020	020	020
11 (275)	-	-	-	-	-	-	-	020	020	020	020	020
12 (300)	-	-	-	-	-	-	-	-	020	020	020	020

For severe service tires add length and width to determine proper injury size.  
 For reinforcement repairs; injuries through 25-75% of actual plies, downsize one repair unit size.

BIAS TIRE SIZE	Nonrepairable Bead Area A-B	
	Inches	mm
14.00 & smaller	4	100
16.00	5	125
18.00	5	125
21.00	6	150
24.00	6	150
27.00	8	205
30.00	8	205
33.00	8	205
36.00	12	305
40.00	12	305
15.5	4	100
17.5	4	100
20.5	5	125
23.5	5	125
26.5	6	150
27-56.5	6	150
29.5	6	150
30-56.5	6	150
30/65	6	150
33.25	6	150

BIAS TIRE SIZE	Nonrepairable Bead Area A-B	
	Inches	mm
33.5	8	205
33-59.5		
35/65		
36-59.5		
37.25		
37.5		
39-59.5	12	305
40/65		
41.25/70		
45/65		
50/65		
53.5		
55.5		
58		
65/65		

