

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	5	125
58		
65/65		



These repair charts reflect international repair standards determined on the basis of practical experience, bench checks and tests. THEY NEITHER INCORPORATE NOR ARE INTENDED AS A REFERENCE TO LOCAL, STATE, OR NATIONAL STANDARDS THAT MAY EXIST IN YOUR COMMUNITY. Stay within the limitation for repairable injuries indicated by the charts. When repairing a tire, it is imperative that a complete inspection be conducted to ensure that the tire is fit to be repaired and safely returned to service. Always follow proper repair procedures as illustrated in the appropriate REMA TIP TOP Repair Manual(s). No tire can be safely repaired without demounting it from the rim, giving it a complete inspection, and properly repairing the injury with the appropriate inside repair unit and filler material. Always consult the tire manufacturer for the repair limits.