

Legend	
T-T	CROWN
C	Diameter of injury
T-S / S-T	SHOULDER
S	Diameter of injury
S-A / A-S	SIDEWALL
L	Length of injury
W	Width of injury
A-B / B-A	NON-REPAIRABLE AREA

Repair Restriction		
SECTION WIDTH	NON-REPAIRABLE AREA	SHOULDER
Passenger Tyres	1-1/2" (40 mm)	1" (25 mm)
6.50-7.00 (165-195)	2-1/2" (65 mm)	
7.50-16.00 (190-385)	3" (75 mm)	1-1/2" (40 mm)
17.50-23.50 (425-600)	3-1/2" (90 mm)	

The above dimension are only guidelines.



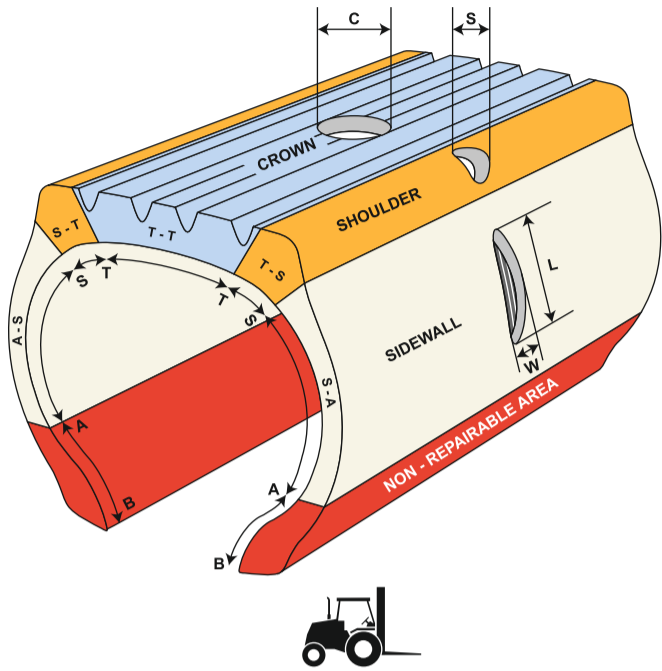
CROWN Injury Diameter	SHOULDER Injury Diameter	SIDEWALL Injury		Speed Rating ≤U
		Width	Length	
1/4" (6 mm)	1/4" (6 mm)			R 110
				R 114
	1/4" (6 mm)	1/4" (6 mm)	1/2" (13 mm)	R 110
		1/4" (6 mm)	2" (50 mm)	R 112
3/8" (10 mm)	3/8" (10 mm)			R 110 H
				R 114
	3/8" (10 mm)	3/8" (10 mm)	1-1/2" (40 mm)	R 112 H
		3/8" (10 mm)	2" (50 mm)	R 114
1/2" (13 mm)	1/2" (13 mm)			R 112 H
				R 114
	1/2" (13 mm)	1/2" (13 mm)	1-1/2" (40 mm)	R 114
		1/2" (13 mm)	2" (50 mm)	R 114
3/4" (20 mm)	3/4" (20 mm)			R 112 H
				R 114
	3/4" (20 mm)	3/4" (20 mm)	1-1/2" (40 mm)	R 112 H
		3/4" (20 mm)	2" (50 mm)	R 114
1" (25 mm)	1" (25 mm)			R 114
				R 114
	1" (25 mm)	1" (25 mm)	1-1/2" (40 mm)	R 114
		1" (25 mm)	2" (50 mm)	R 114

**Note for Passenger Tyres:** Tyres with speed rating of H, V, W, Y or Z are repairable in the crown area (T-T) but should not exceed 1/4" (6 mm) or one injury per tyre in order to maintain their designated speed rating. Run flat tyres maintain the same limitation as the performance tyre except multiple nail hole repairs may be performed unless it is in the same radial cord or where repair units overlap. Performance tyres are repairable beyond the shoulder area; but the speed rating would be reduced below H rating.

Repair Unit		Repair Unit Size		Ply Rating
VersaWeld	ChemWeld	mm	inches	
VR 110	*CR 110	45 x 75	1-3/4 x 3	1
VR 110 H	*CR 110 H	65 x 80	2-1/2 x 3-1/4	1
VR 112	*CR 112	60 x 110	2-3/8 x 4-3/8	1
VR 112 H	*CR 112 H	70 x 115	2-3/4 x 4-5/8	1
VR 114	*CR 114	75 x 145	3 x 5-3/4	1
VR 120	*CR 120	75 x 125	3 x 5	2
VR 122	*CR 122	75 x 165	3 x 6-1/2	2
VR 124	*CR 124	75 x 215	3 x 8-1/2	2
VR 126	*CR 126	75 x 250	3 x 10	3
VR 133	*CR 133	100 x 125	4 x 5	3
VR 135	*CR 135	125 x 150	5 x 6	4
VR 137	*CR 137	125 x 170	5 x 6-3/4	4
VR 140	*CR 140	100 x 200	4 x 8	3
VR 142	*CR 142	125 x 250	5 x 10	3
VR 144	*CR 144	125 x 330	5 x 13	4
VR 146	*CR 146	140 x 405	5-1/2 x 16	4

CROWN Injury Diameter	SHOULDER Injury Diameter	SIDEWALL Injury		LIGHT TRUCK Tyre Size Load Range ≤E	TRUCK & BUS Tyre Size		
		Width	Length		6.50 - 12.50	7.50 - 10.00	11.00 - 14.00
1/8" (3 mm)	1/8" (3 mm)			R 110	R 110 H	R 110 H	
		1/8" (3 mm)	1/8" (3 mm)	R 122	R 124	R 126	
1/4" (6 mm)	1/4" (6 mm)			R 110	R 110 H	R 110 H	
		1/4" (6 mm)	1/4" (6 mm)	R 122	R 124	R 126	
5/16" (8 mm)	5/16" (8 mm)			R 112	R 112 H	R 112 H	
		5/16" (8 mm)	5/16" (8 mm)	R 122	R 124	R 126	
3/8" (10 mm)	3/8" (10 mm)			R 112	R 120	R 120	
		3/8" (10 mm)	3/8" (10 mm)	R 124	R 126	R 126	
1/2" (13 mm)	1/2" (13 mm)	1 Cable	1-1/2" (40 mm)	R 120	R 120	R 120	
		1 Cable	3-1/8" (80 mm)	R 122	R 124	R 124	
		1 Cable	4-3/4" (120 mm)		R 124	R 124	
		1 Cable	6" (150 mm)		R 126	R 126	
		2 Cable	3/4" (20 mm)	R 120	R 120	R 124	
		2 Cable	1-1/2" (40 mm)	R 120	R 122	R 124	
		2 Cable	2-3/8" (60 mm)	R 122	R 124	R 126	
		2 Cable	5-1/8" (130 mm)		R 126	R 126	
		3/8" (10 mm)	1-1/2" (40 mm)	R 120	R 126	R 140	
		3/8" (10 mm)	2-3/8" (60 mm)	R 122	R 126	R 140	
3/4" (20 mm)	3/4" (20 mm)	3/8" (10 mm)	3-1/8" (80 mm)	R 126	R 140	R 142	
		3/8" (10 mm)	5-1/8" (130 mm)		R 142	R 144	
		1/2" (13 mm)	1-1/2" (40 mm)	R 140	R 140	R 140	
		1/2" (13 mm)	2-3/4" (70 mm)	R 122	R 140	R 142	
		1/2" (13 mm)	3-3/4" (95 mm)	R 140	R 142	R 142	
		1/2" (13 mm)	5-1/8" (130 mm)		R 144	R 144	
		3/4" (20 mm)	1" (25 mm)	R 140	R 142	R 142	
		3/4" (20 mm)	2-1/2" (65 mm)	R 124	R 142	R 142	
		3/4" (20 mm)	4-3/8" (110 mm)		R 142	R 144	
		3/4" (20 mm)	5-1/8" (130 mm)		R 144	R 144	
1" (25 mm)	1" (25 mm)			R 133	R 135	R 137	
		1" (25 mm)	2" (50 mm)	R 140	R 142	R 144	
		1" (25 mm)	3-1/8" (80 mm)		R 142	R 144	
1-1/4" (32 mm)	1-1/4" (32 mm)	1" (25 mm)	4" (100 mm)		R 144	R 144	
		1-1/4" (30 mm)	2" (50 mm)		R 142	R 144	
		1-1/4" (30 mm)	3-1/8" (80 mm)		R 144	R 144	
1-1/4" (32 mm)	1-1/4" (32 mm)	1-1/4" (30 mm)	4" (100 mm)			R 146	

**Note:** Repair unit mentioned for crown are limited to (T-T) crown area only. All other repair units mentioned for special repair can be used for crown or sidewall injuries. For (S-T) shoulder area up to 3/8" (10mm) injury use RS - Radial shoulder repair only. Repair on performance tyre should not exceed or supersede limitation of the new tyre manufacturer's recommendations. All injuries should be filled and supported with the appropriate repair unit. Load, speed and highway application condition may affect section repairs. This repair selection chart is to be used as a guide. \*Sizes under development



Legend	
T-T	CROWN
C	Diameter of injury
T-S / S-T	SHOULDER
S	Diameter of injury
S-A / A-S	SIDEWALL
L	Length of injury
W	Width of injury
A-B / B-A	NON-REPAIRABLE AREA

Repair Restriction		
SECTION WIDTH	NON-REPAIRABLE AREA	SHOULDER
5.00 - 10.00 (125-255)	3-1/2" (80 mm)	3/4" (20 mm)
13.6 -16.9 (345-430)	4" (100 mm)	
18.4 - 20.8 (465-530)	4 1/2" (115 mm)	3-1/2" (80 mm)
23.1 & Larger (585 & Larger)	5-1/2" (140 mm)	

The above dimension are only guidelines.



CROWN Injury Diameter	SHOULDER Injury Diameter	SIDEWALL Injury		INDUSTRIAL Tyre Size	
		Width	Length	5.00 - 7.00 125/175	7.50 - 10.00 190/255
1/4" (6 mm)				R 110 H	R 110 H
	1/4" (6 mm)			R 122	R 122
		1/4" (6 mm)	1/4" (6 mm)	R 112	R 120
3/8" (10 mm)				R 120	R 122
	3/8" (10 mm)			R 126	
		3/8" (10 mm)	3/8" (10 mm)	R 120	R 126
		3/8" (10 mm)	1-1/4" (30 mm)	R 122	R 126
		3/8" (10 mm)	2" (50 mm)	R 122	R 126
5/8" (15 mm)				R 140	
	5/8" (15 mm)			R 142	
		5/8" (15 mm)	3/8" (10 mm)	R 122	R 122
		5/8" (15 mm)	1-1/4" (30 mm)	R 122	R 140
		5/8" (15 mm)	2" (50 mm)		R 140
1" (25 mm)				R 142	
	1" (25 mm)			R 142	
		1" (25 mm)	2" (50 mm)		R 142

CROWN Injury Diameter	SHOULDER Injury Diameter	SIDEWALL Injury		AGRICULTURAL & SKIDDER Tyre Size		
		Width	Length	8 - 11 8.3 - 12.4 180/270	12 - 15 13.6 - 23.5 440/65 - 600/65	24.5 - 30.5 620/75 - 1050/50
3/8" (10 mm)				R 112	R 112	R 120
	3/8" (10 mm)			R 120	R 120	R 122
		1/4" (6 mm)	1/4" (6 mm)	R 112	R 112	R 120
		3/8" (10 mm)	3/8" (10 mm)	R 112	R 112	R 120
		3/8" (10 mm)	1 1/2" (40 mm)	R 120	R 120	R 122
3/4" (20 mm)				R 126	R 126	R 126
	3/4" (20 mm)			R 120	R 120	R 122
		3/4" (20 mm)	3/4" (20 mm)	R 120	R 120	R 122
		3/4" (20 mm)	3" (75 mm)	R 122	R 180	R 180
		3/4" (20 mm)	3" (75 mm)	R 122	R 180	R 180
1 1/2" (40 mm)				R 180	R 182	R 182
	1 1/2" (40 mm)			R 180	R 182	R 182
		1 1/2" (40 mm)	4" (100 mm)	R 180	R 182	R 182
2 3/4" (70 mm)				R 182	R 184	
	2 3/4" (70 mm)			R 182	R 184	R 184
		2" (50 mm)		R 182	R 184	R 184
		2 3/4" (70 mm)		R 186	R 186	
		2" (50 mm)	3/4" (80 mm)	R 180	R 182	R 184
3 1/2" (90 mm)				R 180	R 182	R 184
	3 1/2" (90 mm)			R 180	R 182	R 184
		2 1/2" (65 mm)	3" (75 mm)	R 180	R 182	R 184
		2 1/2" (65 mm)	4" (100 mm)		R 182	R 184
		2 3/4" (70 mm)	2 3/4" (70 mm)	R 180	R 182	R 184
4" (100 mm)				R 184	R 186	
	4" (100 mm)			R 184	R 186	
		4" (100 mm)	4" (100 mm)	R 184	R 186	
		4" (100 mm)	6 1/2" (165 mm)	R 186	R 186	
5" (125 mm)				R 186	R 186	
	5" (125 mm)	5" (125 mm)		R 186	R 186	

Repair Unit		Repair Unit Size		Ply Rating
VersaWeld	ChemWeld	mm	inches	
VR 110 H	*CR 110 H	65 x 80	2-1/2 x 3-1/4	1
VR 112	*CR 112	60 x 110	2-3/8 x 4-3/8	1
VR 120	*CR 120	75 x 125	3 x 5	2
VR 122	*CR 122	75 x 165	3 x 6-1/2	2
VR 126	*CR 126	75 x 250	3 x 10	3
VR 140	*CR 140	100 x 200	4 x 8	3
VR 142	*CR 142	125 x 250	5 x 10	3
VR 180	*CR 180	150 x 195	6 x 7-3/4	2
VR 182	*CR 182	190 x 250	7-1/2 x 10	3
VR 184	*CR 184	215 x 290	8-1/2 x 11-1/2	3
VR 186	*CR 186	245 x 340	9-3/4 x 13-1/2	3

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