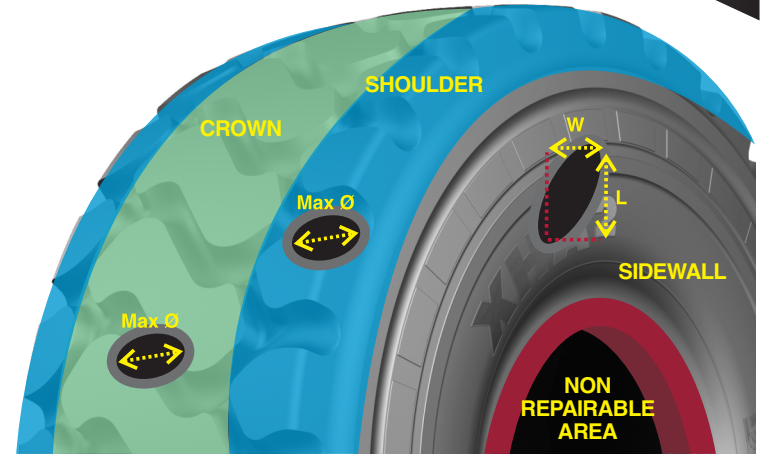


# TECH Radial OTR Repair Chart

Centech Chemical, Cloth Backed & Thermacure Repairs



## CENTECH RADIAL OTR NON-REPAIRABLE AREA

|                             |               |
|-----------------------------|---------------|
| 14.00-16.00 (15.5-17.5)     | 3", 75mm      |
| 18.00-24.00 (20.5-29.5)     | 5", 125mm     |
| 27.00-33.00 (33.25-37.5)    | 6", 150mm     |
| 40/65-50/65 (40.5)          | 6 3/4", 170mm |
| 36.00                       | 8", 200mm     |
| 37.00-40.00 (50.5 & larger) | 10", 255mm    |

## DETERMINING CROWN INJURY REPAIR AREA

### Radial OTR Crown Dimensions

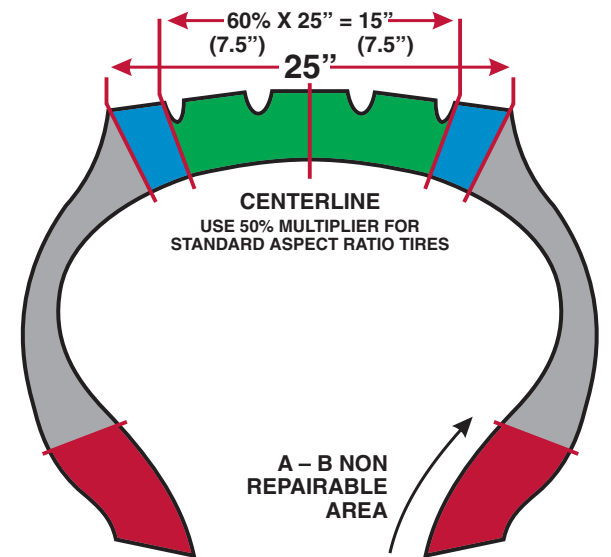
Crown is defined as 50% of tread face for standard aspect ratio tire sizes and 60% of tread face for wide base sizes. All measurements are taken on the outside surface of the tire.

### Standard Aspect Tire Size Example (24.00 R35):

If the tread face measures 24" (610mm) wide, 50% of that is 12" (300mm) - the crown area measurement, or 6" (150mm) on each side of the tread centerline. This is where the injury must be located to be considered as a crown area repair.

### Wide Base Tire Size Example (29.5 R29):

If the tread face measures 25" (635mm) wide, 60% of that is 15" (375mm) - the crown area measurement, or 7.5" (190mm) on each side of the tread centerline. This is where the injury must be located to be considered as a crown area repair.



| REPAIR UNIT DIMENSIONS |                 |             |
|------------------------|-----------------|-------------|
| Repair Unit            | Inches          | Millimeters |
| 42                     | 5 x 10          | 125 x 250   |
| 44                     | 5 x 13          | 125 x 330   |
| 45                     | 9 1/8 x 7 3/4   | 230 x 195   |
| 46                     | 5 1/2 x 16      | 140 x 405   |
| 50                     | 7 1/2 x 19 3/4  | 190 x 500   |
| 52                     | 10 x 22 1/2     | 250 x 570   |
| 55                     | 13 x 10 1/4     | 330 x 260   |
| 56                     | 10 1/2 x 29     | 265 x 735   |
| 60                     | 10 1/2 x 34     | 265 x 860   |
| 62                     | 12 3/4 x 40 1/2 | 325 x 1030  |
| 65                     | 16 1/2 x 13     | 420 x 330   |
| 72                     | 13 3/4 x 30     | 345 x 760   |
| 75                     | 20 3/4 x 17 3/4 | 535 x 450   |
| 85                     | 28 x 22         | 710 x 560   |

REPAIR UNITS SHOWN **BOXED IN GREEN** ARE LIMITED TO THE CROWN (T-T) AREA ONLY.

| Sidewall Injury   |                    | Shoulder Injury      | Crown Injury                    | Earthmover Tire Sizes                   |                                   |   |   |
|-------------------|--------------------|----------------------|---------------------------------|---|-----------------------------------|---|---|
| Width Inches (mm) | Length Inches (mm) | Diameter Inches (mm) | inches (mm)                     | 14.00-16.00<br>15.5-20.5<br>20/65-30/65 | 18.00-21.00<br>23.5-26.5<br>35/65 | 24.00-30.00<br>29.5-37.5<br>40/65-45/65 | 33.00-40.00<br>46/90-59/80<br>50/65-65/65 |
| 3/8 (10)          | 3 (75)             |                      | Crown Diameter - 3/8 (10)       | 42                                      | 42                                | 42                                      | 44  |
| 3/8 (10)          | 4 3/8 (110)        |                      |                                 | 42                                      | 42                                | 42                                      | 44  |
|                   |                    |                      | Crown Diameter - 3/4 (20)       | 45 or 46                                | 45 or 46                          | 45 or 46                                | 45 or 50                                  |
|                   |                    |                      | Body Ply Damage C - 3/4 (20)    | 45                                      | 45                                | 45                                      | 45  |
|                   |                    |                      | Radial Ply Length - 1 3/4 (45)  |   |                                   |   |   |
| 3/4 (20)          | 2 (50)             |                      |                                 | 42                                      | 44                                | 44                                      | 50  |
| 3/4 (20)          | 5 1/2 (140)        |                      |                                 | 46                                      | 46                                | 46                                      | 50  |
| 3/4 (20)          | 8 (200)            |                      |                                 | 46                                      | 50                                | 50                                      | 50  |
|                   |                    | 3/4 (20)             |                                 | 46                                      | 46                                | 50                                      | 52  |
|                   |                    |                      | Crown Diameter - 1 (25)         | 45 or 46                                | 45 or 46                          | 45 or 46                                | 45 or 50                                  |
|                   |                    |                      | Body Ply Damage C - 1 (25)      | 45                                      | 45                                | 45                                      | 45  |
|                   |                    |                      | Radial Ply Length - 1 1/2 (40)  |   |                                   |   |   |
| 1 (25)            | 5 (125)            |                      |                                 | 46                                      | 46                                | 46                                      | 50  |
| 1 (25)            | 8 (200)            |                      |                                 | 50                                      | 50                                | 50                                      | 52  |
|                   |                    | 1 (25)               |                                 | 46                                      | 50                                | 52                                      | 52  |
| 1 1/4 (30)        | 4 (100)            |                      |                                 | 46                                      | 50                                | 50                                      | 50  |
| 1 1/4 (30)        | 10 (250)           |                      |                                 | 50                                      | 50                                | 52                                      | 56  |
|                   |                    |                      | Crown Diameter - 1 1/2 (40)     | 45 or 46                                | 45 or 50                          | 55 or 52                                | 55 or 52                                  |
|                   |                    |                      | Body Ply Damage C - 1 1/2 (40)  |   | 55                                | 55                                      | 55  |
|                   |                    |                      | Radial Ply Length - 3 (75)      |   |                                   |   |   |
| 1 1/2 (40)        | 3 1/2 (90)         |                      |                                 | 46                                      | 50                                | 52                                      | 52  |
| 1 1/2 (40)        | 10 (250)           |                      |                                 | 50                                      | 50                                | 52                                      | 56  |
| 1 1/2 (40)        | 14 (350)           |                      |                                 | 56                                      | 56                                | 56                                      | 60  |
| 1 1/2 (40)        | 16 (400)           |                      |                                 |   | 60                                | 60                                      | 60  |
|                   |                    | 1 1/2 (40)           |                                 | 50                                      | 50                                | 52                                      | 56  |
| 1 3/4 (45)        | 6 1/2 (165)        |                      |                                 | 50                                      | 50                                | 52                                      | 52  |
| 1 3/4 (45)        | 10 (250)           |                      |                                 | 52                                      | 52                                | 52                                      | 56  |
| 1 3/4 (45)        | 14 (350)           |                      |                                 |   | 56                                | 56                                      | 60  |
| 1 3/4 (45)        | 16 (400)           |                      |                                 |   | 60                                | 60                                      | 60  |
|                   |                    |                      | Crown Diameter - 2 (50)         | 55 or 50                                | 55 or 52                          | 55 or 52                                | 65 or 52                                  |
|                   |                    |                      | Body Ply Damage C - 2 (50)      |   | 65                                | 65                                      | 65  |
|                   |                    |                      | Radial Ply Length - 4 (100)     |   |                                   |   |   |
| 2 (50)            | 7 (175)            |                      |                                 | 50                                      | 52                                | 52                                      | 52  |
| 2 (50)            | 10 (250)           |                      |                                 | 52                                      | 52                                | 52                                      | 56  |
| 2 (50)            | 14 (350)           |                      |                                 |   | 56                                | 56                                      | 60  |
| 2 (50)            | 16 (400)           |                      |                                 |   | 60                                | 60                                      | 60  |
| 2 (50)            | 19 (475)           |                      |                                 |   | 60                                | 60                                      | 60  |
|                   |                    | 2 (50)               |                                 | 50                                      | 52                                | 56                                      | 56  |
|                   |                    |                      | Crown Diameter - 2 3/4 (70)     | 55 or 52                                | 65 or 52                          | 65 or 52                                | 65 or 56                                  |
|                   |                    |                      | Body Ply Damage C - 2 3/4 (70)  |   | 65                                | 65                                      | 65  |
|                   |                    |                      | Radial Ply Length - 3 1/2 (90)  |   |                                   |   |   |
| 2 3/4 (70)        | 8 (200)            |                      |                                 | 52                                      | 52                                | 52                                      | 56  |
| 2 3/4 (70)        | 10 (250)           |                      |                                 |   | 56                                | 56                                      | 60  |
| 2 3/4 (70)        | 13 1/2 (340)       |                      |                                 |   | 60                                | 60                                      | 60  |
|                   |                    | 2 1/2 (65)           |                                 | 56                                      | 56                                | 72                                      | 72  |
|                   |                    | 2 3/4 (70)           |                                 |   | 56                                | 72                                      | 72  |
|                   |                    |                      | Crown Diameter - 3 1/2 (90)     |   | 56                                | 75 or 56                                | 75 or 72                                  |
|                   |                    |                      | Body Ply Damage C - 3 1/2 (90)  |   |                                   | 75                                      | 75  |
|                   |                    |                      | Radial Ply Length - 5 1/2 (140) |   |                                   |   |   |
| 3 1/2 (90)        | 7 (175)            |                      |                                 | 52                                      | 52                                | 56                                      | 56  |
| 3 1/2 (90)        | 8 (200)            |                      |                                 |   | 52                                | 56                                      | 72  |
| 3 1/2 (90)        | 10 (250)           |                      |                                 |   | 56                                | 56                                      | 72  |
| 3 1/2 (90)        | 12 1/2 (315)       |                      |                                 |   | 56                                | 60                                      | 60  |
|                   |                    | 3 1/2 (90)           |                                 |   | 56                                | 62                                      | 62  |
| 4 (100)           | 5 1/2 (140)        |                      |                                 | 52                                      | 52                                | 56                                      | 56  |
| 4 (100)           | 7 1/2 (190)        |                      |                                 |   | 56                                | 56                                      | 72  |
| 4 (100)           | 10 1/2 (265)       |                      |                                 |   |                                   | 62                                      | 62  |
| 4 3/8 (110)       | 5 (125)            |                      |                                 | 52                                      | 52                                | 56                                      | 56  |
| 4 3/8 (110)       | 7 (175)            |                      |                                 |   | 56                                | 72                                      | 72  |
| 4 3/8 (110)       | 10 (250)           |                      |                                 |   |                                   | 62                                      | 62  |
| 4 3/4 (120)       | 4 1/2 (115)        |                      |                                 |   | 56                                | 60                                      | 62  |
| 4 3/4 (120)       | 6 (150)            |                      |                                 |   |                                   | 62                                      | 62  |
| 4 3/4 (120)       | 9 (225)            |                      |                                 |   |                                   | 62                                      | 62  |
|                   |                    |                      | Crown Diameter - 5 (125)        |   | 72                                | 85 or 72                                | 85 or 72                                  |
|                   |                    |                      | Body Ply Damage C - 5 (125)     |   |                                   | 85                                      | 85  |
|                   |                    |                      | Radial Ply Length - 8 (200)     |   |                                   |   |   |
| 5 (125)           | 4 (100)            |                      |                                 |   | 72                                | 72                                      | 72  |
| 5 (125)           | 5 (125)            |                      |                                 |   |                                   | 62                                      | 62  |
| 5 (125)           | 7 (175)            |                      |                                 |   |                                   | 62                                      | 62  |
| 6 (150)           | 3 (75)             |                      |                                 |   | 72                                | 72                                      | 72  |
| 6 (150)           | 5 1/2 (140)        |                      |                                 |   |                                   | 72                                      | 72  |
|                   |                    |                      | Crown Diameter - 6 1/2 (165)    |   |                                   | 85                                      | 85  |
| 6 1/2 (165)       | 5 (125)            |                      |                                 |   |                                   | 72                                      | 72  |

NOTE: THIS SECTION REPAIR CHART IS A GUIDELINE ONLY. INCREASE REPAIR UNIT BY ONE (1) SIZE FOR TIRES USED IN SEVERE APPLICATIONS SUCH AS HAULAGE TRUCKS AND SCRAPERS. LOAD, SPEED AND HIGHWAY APPLICATION CAN AFFECT THE LIMITATIONS OF SECTION REPAIRS.

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Revised 2/19

Cat. No. CTOR

