

TIRE REPAIR APPLICATION

CHART

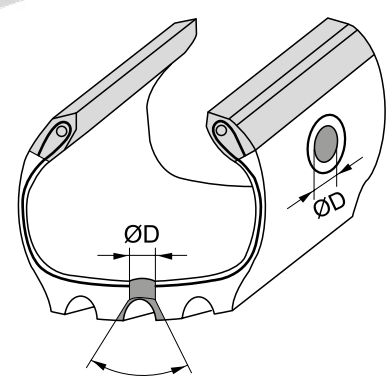
Agricultural



www.vipal.com



MA PATCHES - BIAS PLY AGRICULTURAL TIRES



BIAS PLY AGRICULTURAL TIRES

THROUGH THE TIRE PENETRATION

DAMAGES THAT DO NOT GO THROUGH THE TIRE

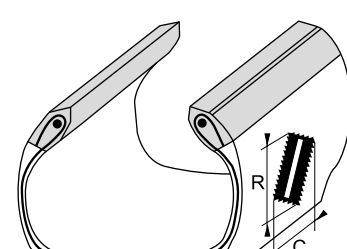
Number of plies	D (máx.) mm											D (máx.) mm											
	3	10	25	50	75	100	125	150	175	200	250	3	10	25	50	75	100	125	150	175	200	250	
4_8	98	98	99	100	100	101	102	103	104	-	-	98	98	98	99	99	100	101	102	103	103	-	-
10_12	98	98	99	100	101	102	103	104	105	106	107	98	98	98	99	100	101	102	103	104	105	106	106
14_16	98	99	100	101	102	103	104	105	106	107	-	98	98	99	100	101	102	103	104	105	106	107	-
18_20	99	100	101	102	103	104	105	106	107	-	-	98	99	100	101	102	103	104	105	106	107	-	-
22_24	100	101	102	103	104	105	106	107	-	-	-	99	100	101	102	103	104	105	106	107	-	-	-
26_28	101	102	103	104	105	106	107	-	-	-	-	100	101	102	103	104	105	106	107	-	-	-	-

Piercing damages are when 50% or more of the main structure is affected (excluding protective plies). Non-piercing damages are when 25% to 50% of the main structure is affected (excluding protective plies).

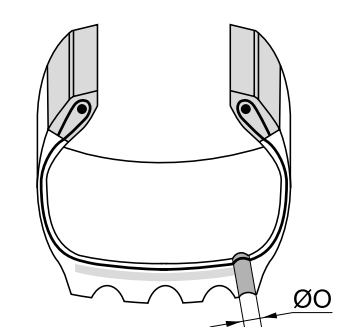
RAC - AGRICULTURAL RADIAL PATCHES



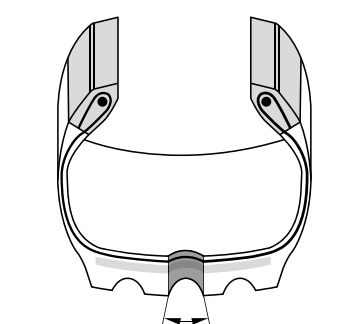
RADIAL TIRES



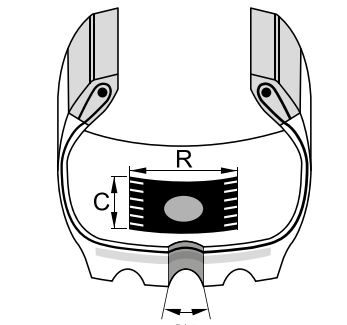
C x R (mm)	RAC
20 X 20	20
20 X 55	24
50 X 70	80
60 X 100	82
100 X 75	82
60 X 125	84
100 X 80	84



Ø O (mm)	RAC
10	20
10	24
25	80
45	82
55	84



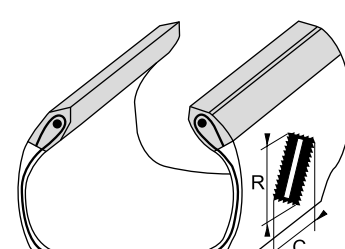
Ø B (mm)	RAC
12	15
20	20
20	24
40	80
60	82
75	84



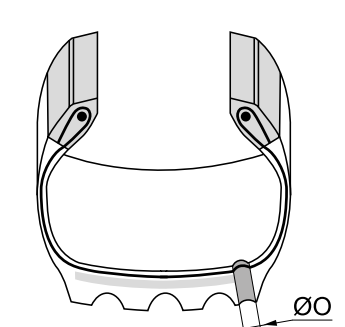
C x R (mm)	RAC
12 X 12	15
20 X 30	20
20 X 40	24
40 X 60	80
60 X 75	82
75 X 90	84

6.5 - 12.4
9 - 11
180/ - 340/

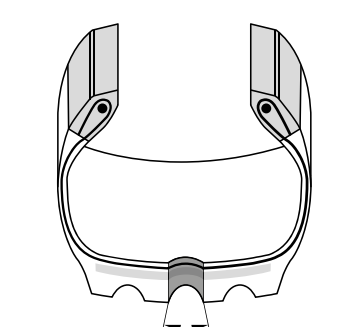
RADIAL TIRES



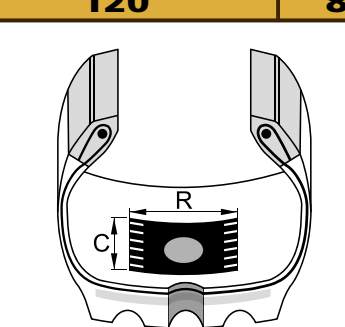
C x R (mm)	RAC
15 X 25	20
15 X 60	24
40 X 60	80
60 X 40	80
60 X 100	82
85 X 70	82
75 X 125	84
100 X 75	84
90 X 140	86
125 X 110	86



Ø O (mm)	RAC
10	20
10	24
20	80
40	82
50	84
75	86



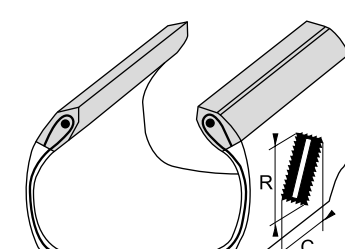
Ø B (mm)	RAC
10	15
15	20
15	24
30	80
60	82
80	84
100	86
120	87



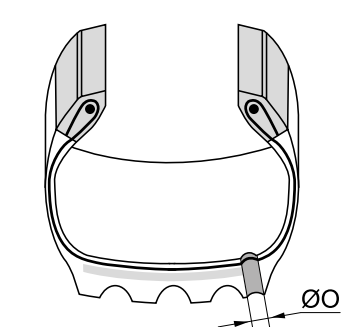
C x R (mm)	RAC
10 X 10	15
15 X 15	20
15 X 30	24
30 X 50	80
60 X 70	82
80 X 100	84
100 X 140	86
30 X 250	87

13.6 - 18.4
12 - 15
300/ - 650/

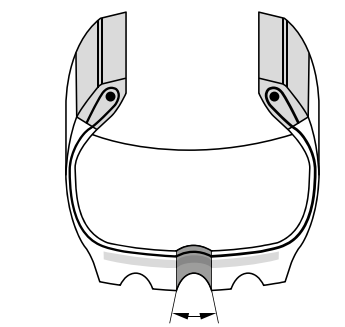
RADIAL TIRES



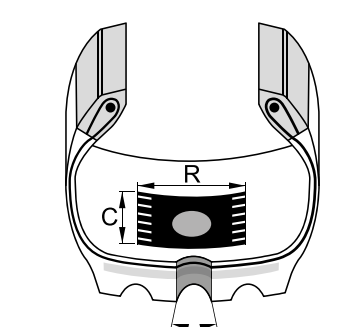
C x R (mm)	RAC
10 X 20	20
12 X 50	24
25 X 60	80
40 X 100	82
60 X 125	84
85 X 75	84
85 X 120	86
120 X 80	86



Ø O (mm)	RAC
10	20
10	24
10	80
30	82
40	84
60	86



Ø B (mm)	RAC
10	20
10	24
25	80
40	82
70	84
85	86
100	87

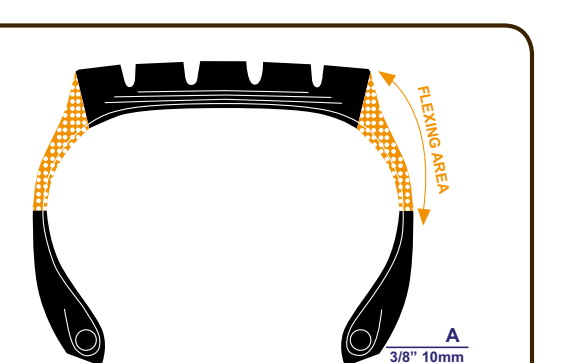


C x R (mm)	RAC
10 X 10	20
10 X 20	24
25 X 40	80
40 X 60	82
70 X 90	84
85 X 120	86
40 X 160	87

20.8 - 30.5
420/ - 1050/

Partial penetration of the radial tires requires a patch in the following cases:

- When the damage reaches the 2nd working band (from the inside outward);
- When the damage reaches the 3rd working band with 40mm fault, consider 50% of the damage size for patch selection;
- When the tire's sidewall is affected;



Notes:

When making the repairs, the patch may not overlap the bending area, if it overlaps this area it must be replaced by another patch of a larger size. If the patch overlaps the A-B area, the damage is considered as beyond repair.

ATTENTION!

These application charts are valid globally for Vipal repairs. The magnitude of the damages in the charts is the result of on-field experiences. The applicator must always analyze whether the tire's physical conditions allow safe repairing. Inspecting the casing is essential for checking for other non-apparent damages. Maximum limits of damages must be respected. Repairs with dimensions over the ones estimated in this chart, which may be allowed by law in some countries, are not taken into consideration here. The natural responsibility for repair quality falls to the repairman, who technically analyzes and increases these values as necessary, always abiding by the country's laws. Proper patch application and mounting methods should always be considered, as well as the tire manufacturer's repair instructions.

NOMENCLATURE

- C - Circumference - Damage size measured in the direction of tire rotation.
- R - Radial - Damage size measured from bead to bead (Radial) direction.
- ØB - Tread - Diameter of through-the-tire penetration in the tread.
- ØO - Shoulder - Diameter of through-the-tire penetrations in tire's shoulder.