

Application chart

Car & Truck



Perforations of tread, shoulder and sidewall (for sidewall repair use MS patch)

PLY RATING	MAX. INJURY (D1)							
	11mm (7/16 inch)	16mm (5/8 inch)	25mm (1 inch)	38mm (1-1/2 inch)	50mm (2 inch)	75mm (3 inch)	100mm (4 inch)	125mm (5 inch)
4	MB No. 02	MB No. 03	MB No. 03	MB No. 04	MB No. 05	MB No. -	MB No. -	MB No. -
6 - 8	03	03	04	04	05	-	-	-
10 - 12	03	04	05	05	06	07	08	-
14 - 16	03	04	06	06	06	07	08	10
18 - 20	04	05	06	07	08	09	09	10
22 - 24	05	06	07	08	09	09	10	-
MPT-Farmer 6 - 18	03	04	04	05	06	07	08	09

Ply damages on tread, shoulder and sidewall up to half of the carcass thickness (for sidewall repair use MS patch)

PLY RATING	MAX. INJURY (D1)							
	11mm (7/16 inch)	16mm (5/8 inch)	25mm (1 inch)	38mm (1-1/2 inch)	50mm (2 inch)	75mm (3 inch)	100mm (4 inch)	125mm (5 inch)
8 - 12	MB No. 02	MB No. 02	MB No. 03	MB No. 03	MB No. 05	MB No. 06	MB No. 07	MB No. -
14 - 18	03	03	04	04	05	06	07	08
20 - 24	04	04	05	05	06	07	08	08

Grader & Earth Mover



Perforations of tread, shoulder and sidewall (for sidewall repair -max. 200mm/8inch- use MS patch)

PLY RATING	MAX. INJURY (D1)									
	25mm (1 inch)	50mm (2 inch)	75mm (3 inch)	100mm (4 inch)	125mm (5 inch)	150mm (6 inch)	175mm (7 inch)	200mm (8 inch)	250mm (10 inch)	
8 - 12	MB No. 30	MB No. 30	MB No. 30	MB No. 31	MB No. 31	MB No. 32	MB No. 32	MB No. -	MB No. -	
14 - 18	30	30	31	32	32	32	33	33	34	
20 - 26	30	31	31	32	33	33	34	34	35	
28 - 36	31	32	32	33	34	35	35	35	35 / 32	
38 - 44	31	32	33	35	35	34 / 31	35 / 32	35 / 33	35 / 33	
46 - 50	32	33	34	34 / 32	34 / 32	35 / 32	35 / 32	-	-	
52 - 58	32	33	35	34 / 32	35 / 32	35 / 33	-	-	-	
60 - 68	33	34	34 / 31	35 / 32	35 / 33	-	-	-	-	

Ply damages on tread, shoulder and sidewall up to half of the carcass thickness (for sidewall repair use MS patch)

PLY RATING	MAX. INJURY (D1)			
	50mm (2 inch)	100mm (4 inch)	150mm (6 inch)	200mm (8 inch)
8 - 12	MB No. 30	MB No. 31	MB No. 31	MB No. 32
14 - 18	30	31	31	32
20 - 26	30	31	32	32
28 - 36	30	31	32	33
38 - 44	31	32	33	34
46 - 50	31	33	34	35
52 - 58	31	34	34	35
60 - 68	32	34	35	-

Explanation of MB-30 series chart

Layering patches (if there are 2 to 3 sizes of patches listed in the chart)

1. Coat the bonding layer of the largest patch to be layered with SUPER VALKARN G / CFC FREE. After letting dry for 20 to 30 minutes, attach FLOATER GUM to patch.
2. Coat the FLOATER GUM attached to the patch with SUPER VALKARN G / CFC FREE again and let dry for 10 to 20 minutes. Attach this to the tire.
3. Clean the top layer of the patch that was attached to the tire with LIQUID BUFFER / CFC FREE, buff and then remove any buff residue.
4. Coat the buffed surface of the patch attached to the tire and the bonding layer of the next sized patch with SUPER VALKARN G / CFC FREE. After letting dry for 10 to 20 minutes, layer the patch on.

Tractor



Perforations of tread, shoulder and sidewall

PLY RATING	MAX. INJURY (D1)		
	75mm (3 inch)	125mm (5 inch)	175mm (7 inch)
4 - 6	MB No. 20	MB No. 21	MB No. 22
8 - 12	23	24	25
14 - 16	24	25	-

Industrial Tires

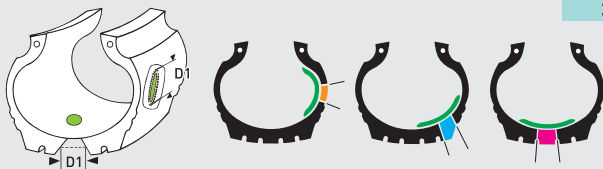


Perforations of tread, shoulder and sidewall

PLY RATING	MAX. INJURY (D1)		
	25mm (1 inch)	50mm (2 inch)	75mm (3 inch)
6 - 8	MB No. 40	MB No. 40	MB No. -
10 - 12	41	41	42
14 - 16	41	42	42
18 - 20	42	42	-
22 - 24	42	-	-

Nailhole Units

MAX. INJURY (D1)	
4mm (3/16 inch)	6mm (1/4 inch)
MB No. 01	MB No. 02



D1 : Max. measurement of the damaged carcass cords.

Note: This internationally valid repair chart has been defined with values based on experience, taking into consideration many test bench controls for utmost safety. The maximum limits for repairable sizes must not be exceeded. Damage limitations that might exist in different countries have not been taken into consideration in this chart. In these cases, the tire repair specialist must take into consideration local driving, load and road condition to ensure safety.