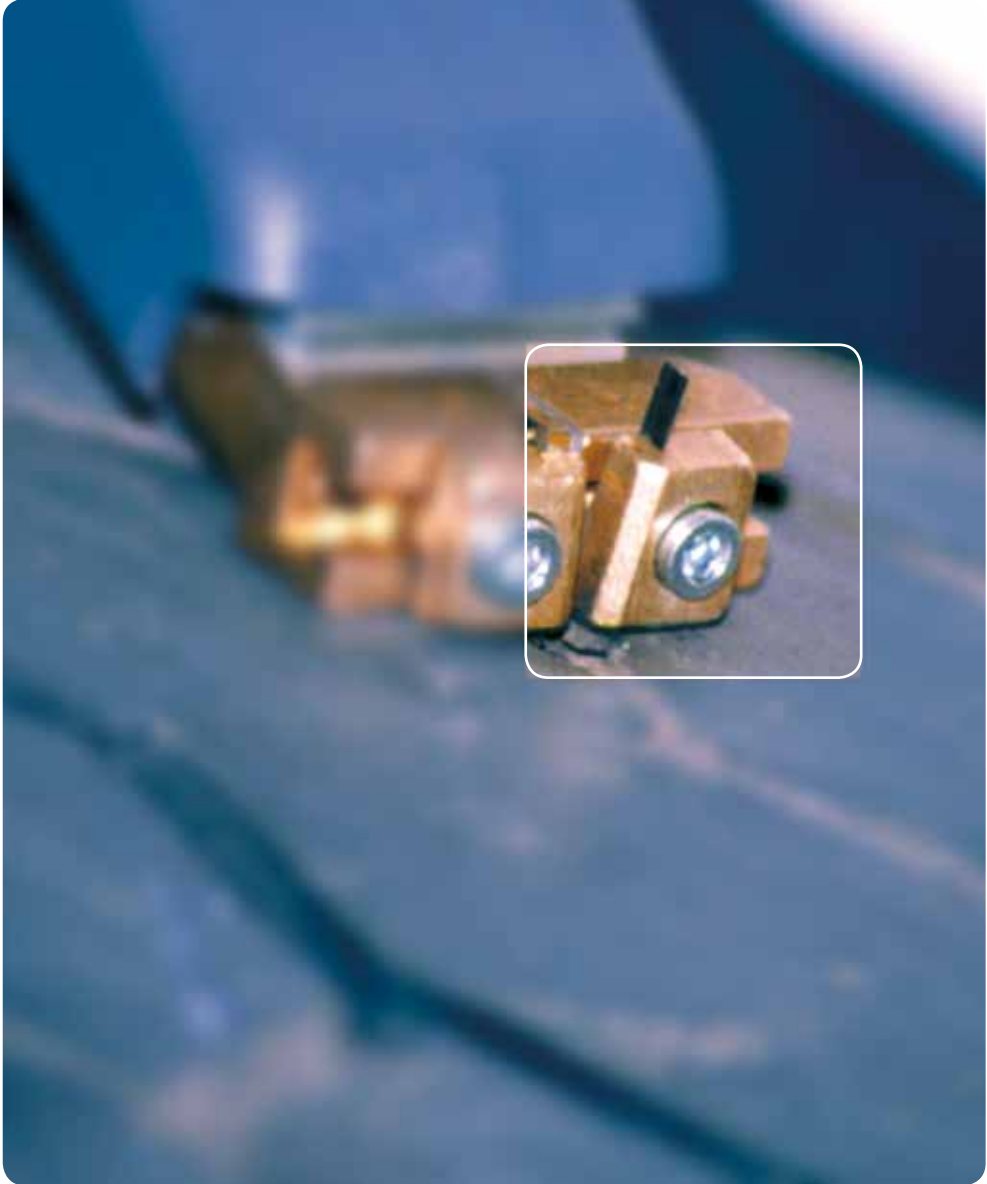


BRIDGESTONE

REGROOVING DATA BOOK 2016



Regrooving data

Highway use

Steer	ECOPIA H-STEER 001	113
	R249 Ecopia	114
	R249 EVO / R249 EVO Ecopia / R249II EVO Ecopia	115
	R294	116
Drive	ECOPIA H-DRIVE 001	117
	M749 / M749 Ecopia	118
	GREATEC M709 Ecopia	119
	M730	120
	M711	121
Trailer	ECOPIA H-TRAILER 001	122
	R166II	123
	R164	124
	R184	125
	R187	126

Regional use

Steer	R-STEER 001 / R-STEER 001 EVO	127
	R297	128
	R297 EVO	129
	R227	130
Drive	M788	131
	R-DRIVE 001	132
	M729	133
Trailer	M730	134
	R168 / R168PLUS	135
	R166II	136
	R164	137
	R180	138
	R184	139
	R187	140

Regrooving data

On/Off Road use

All position	M840 / M840 EVO / M840 EXTRA	141
Steer	M-STEER 001	142
Drive	M-DRIVE 001	143
	L355 / L355 EVO	144
Trailer	M-TRAILER 001	145
	M748 / M748 EVO	146
	M844	147

Off Road use

All position	L317 / L317 EVO	148
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Urban use

All position	U-AP 001	149
	R192	150
	M788	151
	M788 EVO	152
Drive	GREATEC R173	153

Coach use

Steer/Drive	M788 EVO	154
	M788	155

Winter use

Steer	W958	156
	M788	157
Drive	W990	158
	W970	159
Trailer	M852	160

RECOMMENDATIONS FOR REGROOVING BRIDGESTONE STEEL RADIAL TYRES FOR TRUCKS AND BUSES

INTRODUCTION

Regrooving Bridgestone steel radial tyres for trucks and buses will ensure longer serviceability of your tyres. Check that the word “REGROOVABLE” is molded on the tyre sidewall. If it is not, under no circumstances should regrooving be attempted.

GUIDELINES

1. Tyre must be demounted from the rim before regrooving.
2. Inspection:
 - a) Before regrooving, check to see that there is no damage on any part of the tyre, i.e. tread, shoulders, sidewalls, beads and inner liner.
 - b) Remove stones which may have become embedded in the grooves, and other foreign objects such as nails from the tread. Repair if necessary.
 - c) Particular care should be exercised when selecting a tyre for regrooving if the tread area is in any way damaged, e.g. by chipping, tearing and cutting due to abnormal operating conditions.
 - d) Where a tyre has worn abnormally, it may be possible to regroove just that part of the worn tyre provided a sufficient portion of the original groove is visible before regrooving.
3. It is recommended that the minimum remaining tread depth be 3mm before regrooving. The tread depth should be measured around the circumference at four places to find the minimum remaining depth. Set the cutter blade according to the recommendations shown in this publication.
4. Please ensure that you regroove your Bridgestone steel radials to the patterns, depths and widths recommended in this publication to ensure the good service of your tyres.

5. After regrooving, check that your tyre is free from defects. It is most important to ensure that the belts under the tread have not been exposed.
6. As the number of profile grooves and tread design may vary depending on the dimensions, please contact your local Bridgestone customer services representative for further regrooving information.

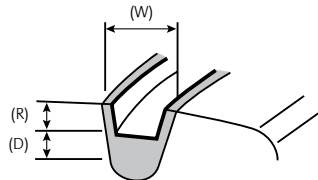
LEGISLATION

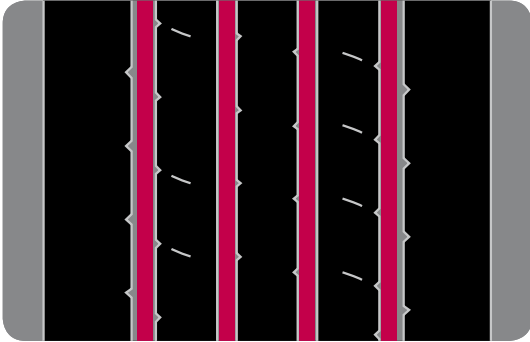
Construction and Use Regulations prohibit the use of regrooved tyres on cars, motorcycles, dual purpose vehicles or goods vehicles weighing less than 2,540 kg (2½ tons) ULW, or electric goods vehicles, which are motor cars over 2,540 kg (2½ tons), which have wheels with a rim diameter less than 405mm (16 inches). Electric vehicles are exempt. Regrooved tyres are also prohibited on trailers less than 1,020 kg (1 ton) ULW, (2,040 kg (2 tons) on caravans) and trailers carrying plant and equipment, which do not exceed the total weight of 2,290 kg (2½ tons).

Generally, with most trucks and buses over 2,540 kg (2½ tons) ULW, and electric goods vehicles and trailers weighing more than 1,020 kg (1 ton), the ULW can be fitted with regrooved tyres provided they are designed for regrooving.

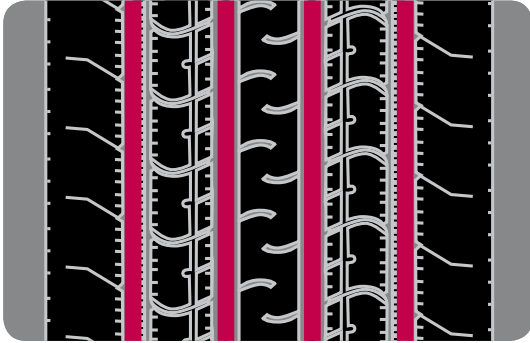
Example:

- Minimum remaining tread depth = 3 mm (R)
- Recommended regrooving depth = 3 mm (D)
- Depth to which cutter blade is set = 6 mm (R+D)
- Recommended regrooving width = W

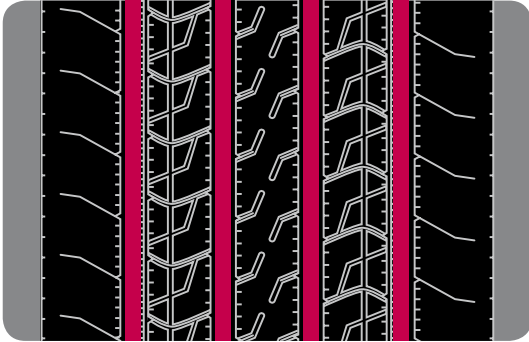




Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
295/80 R 22.5	2.5	7.0 - 8.0
315/80 R 22.5	2.5	7.0 - 8.0
315/70 R 22.5	2.5	8.0 - 9.0



Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
295/80 R 22.5	3.0	7.0 - 8.0
315/80 R 22.5	3.0	7.0 - 8.0
275/70 R 22.5	2.5	6.0 - 7.0
305/70 R 22.5	2.5	7.0 - 8.0
315/70 R 22.5	2.5	7.0 - 8.0
385/65 R 22.5	3.0	8.0
295/60 R 22.5	2.0	7.0 - 8.0
385/55 R 22.5	3.0	7.0 - 8.0

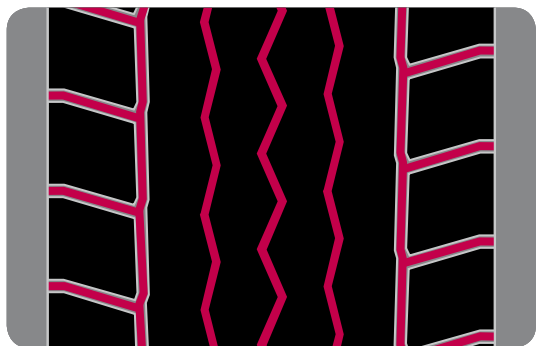


Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
R249 EVO		
315/70 R 22.5	4.0	7.0 - 8.0
R249 EVO Ecopia		
355/50 R 22.5*	3.0	7.0 - 8.0
R249II EVO Ecopia		
315/60 R 22.5	3.0	7.0 - 8.0

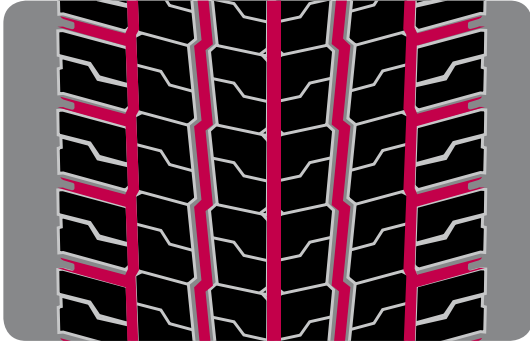
* Available in non Ecopia specification



Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
275/80 R 22.5	2.5	7.0 - 8.0
255/70 R 22.5	3.0	6.0 - 7.0

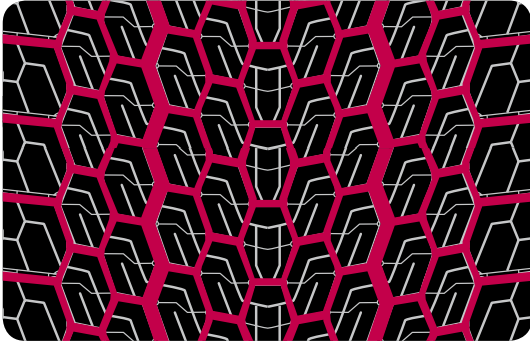


Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
295/80 R 22.5	2.5	7.0 - 8.0
315/80 R 22.5	2.5	7.0 - 8.0
315/70 R 22.5	2.5	7.0 - 8.0
295/60 R 22.5	2.5	7.0 - 8.0
315/60 R 22.5	2.5	7.0 - 8.0

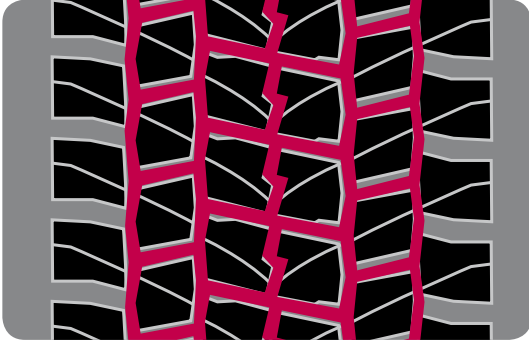


Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
295/80 R 22.5	3.0	7.0 - 8.0
315/80 R 22.5	3.0	7.0 - 8.0
315/70 R 22.5	3.0	7.0 - 8.0
295/60 R 22.5	2.5	7.0 - 8.0
315/60 R 22.5	2.5	7.0 - 8.0
315/45 R 22.5*	2.5	7.0 - 8.0

* Available in non Ecopia specification



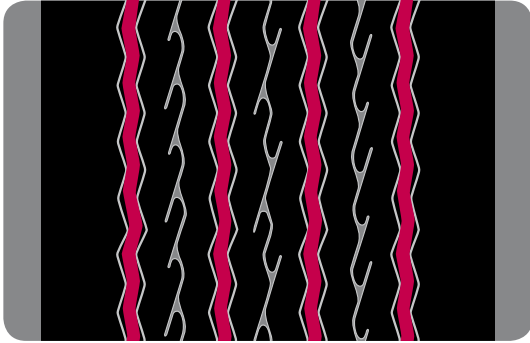
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
495/45 R 22.5	3.8	7.0 - 8.0



Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
295/80 R 22.5	3.0	7.0 - 8.0
315/80 R 22.5	3.0	7.0 - 8.0
315/70 R 22.5	3.0	7.0 - 8.0



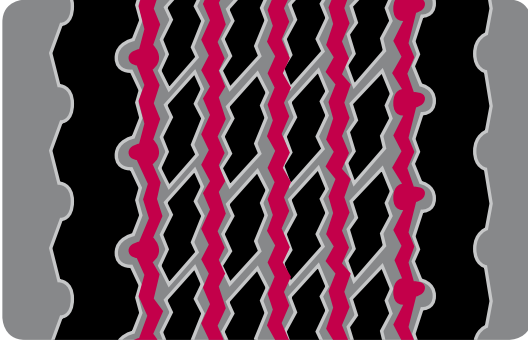
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
11 R 22.5	2.5	7.0 - 8.0



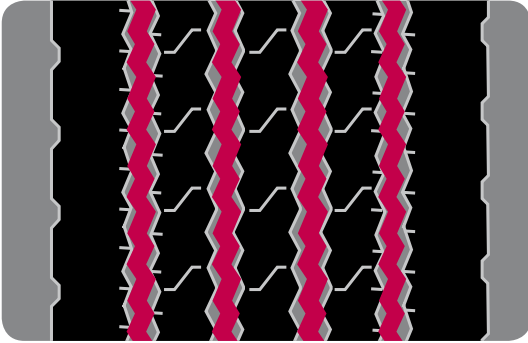
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
385/65 R 22.5	2.5	7.0 - 8.0
385/55 R 22.5	2.5	7.0 - 8.0



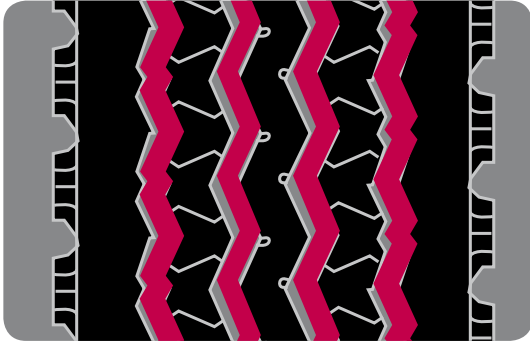
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
435/50 R 19.5	3.0	7.0 - 9.0



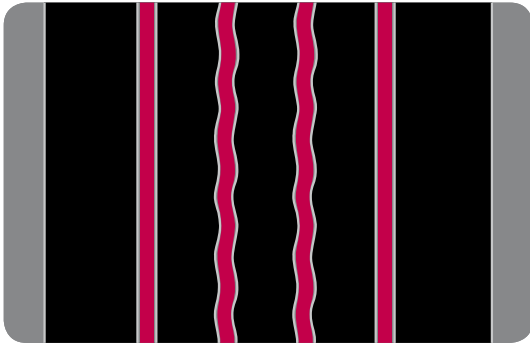
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
385/65 R 22.5	3.0	8.0 max.
425/65 R 22.5	3.0	8.0 - 9.0
445/65 R 22.5	3.0	9.0 - 10.0



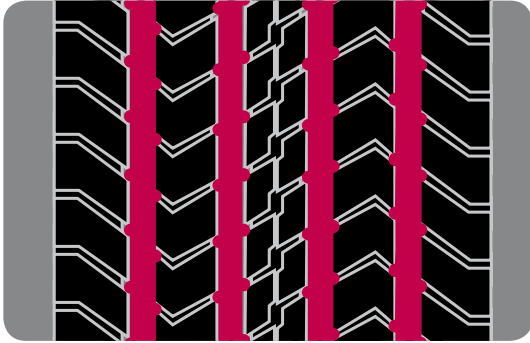
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
205/80 R 15	2.5	7.0 - 8.0
315/80 R 22.5	2.5	7.0 - 8.0
275/70 R 22.5	3.0	7.0 - 8.0



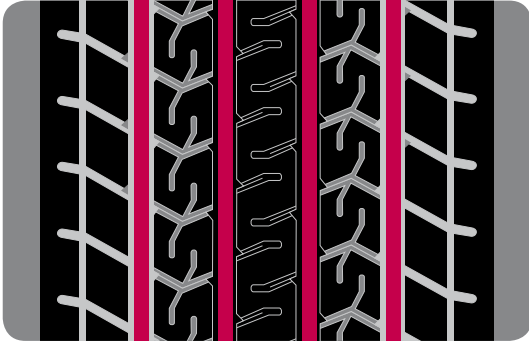
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
7.5 R 15	2.0	6.0 - 7.0
8.25 R 15	2.0	6.0 - 7.0
11 R 22.5	2.5	7.0 - 8.0



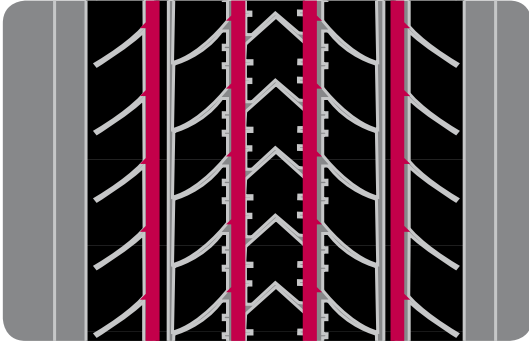
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
R-STEER 001		
295/80 R 22.5	4.0	7.0 - 8.0
315/80 R 22.5	3.0	7.0 - 8.0
315/70 R 22.5	5.0	7.0 - 8.0
385/65 R 22.5	3.0	8.0
R-STEER 001 EVO		
385/65 R 22.5	3.0	8.0



Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
11 R 22.5	2.5	7.0 - 8.0
12 R 22.5	2.5	7.0 - 8.0
13 R 22.5	3.0	7.0 - 8.0
295/80 R 22.5	2.5	7.0 - 8.0
315/80 R 22.5	2.5	7.0 - 8.0
275/70 R 22.5	2.0	7.0 - 8.0
315/70 R 22.5	2.0	7.0 - 8.0



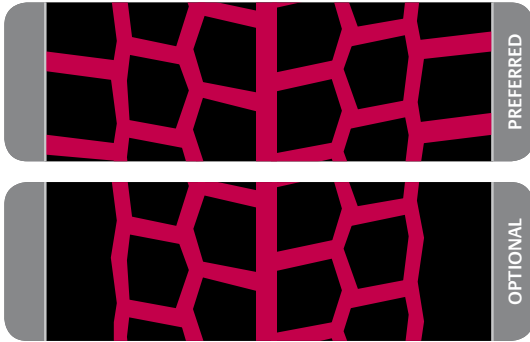
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
315/70 R 22.5	4.0	7.0 - 8.0



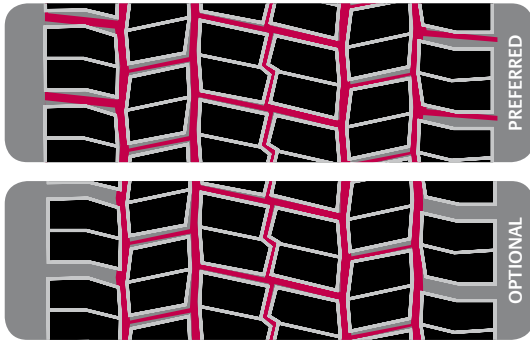
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
215/75 R 17.5	2.0	6.0 - 7.0
225/75 R 17.5	2.4	7.0 - 8.0
235/75 R 17.5	2.5	7.0 - 8.0
245/70 R 17.5	2.5	7.0 - 8.0
265/70 R 17.5	2.0	7.0 - 8.0
245/70 R 19.5	2.5	7.0 - 8.0
265/70 R 19.5	2.0	7.0 - 8.0
285/70 R 19.5	1.5	7.0 - 8.0
305/70 R 19.5	1.5	7.0 - 8.0



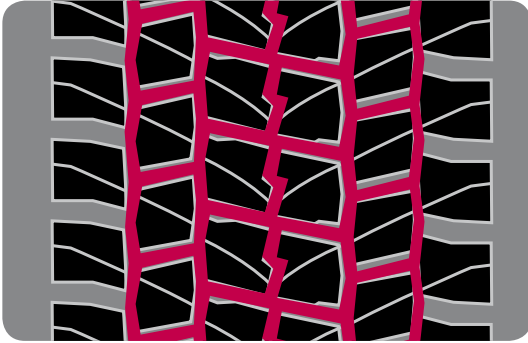
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
205/75 R 17.5	2.0	7.0 - 8.0
215/75 R 17.5	2.0	7.0 - 8.0
225/75 R 17.5	3.0	7.0 - 8.0
265/70 R 19.5	2.0	7.0 - 8.0
285/70 R 19.5	2.0	7.0 - 8.0
315/80 R 22.5	3.0	8.0
275/70 R 22.5	2.0	7.0 - 8.0
315/70 R 22.5	2.0	7.0 - 8.0
385/65 R 22.5	3.0	5.0
385/55 R 22.5	3.0	5.0 - 6.0



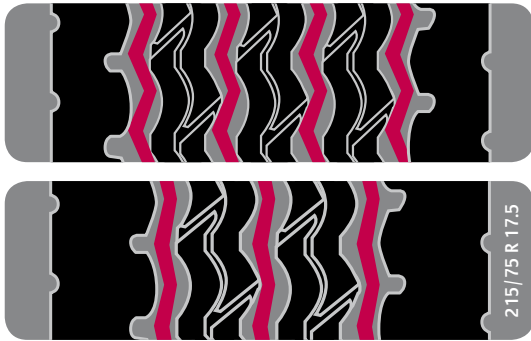
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
295/80 R 22.5	3.0	7.0 - 8.0
315/80 R 22.5	4.0	7.0 - 8.0
315/70 R 22.5	3.0	7.0 - 8.0
295/60 R 22.5	2.5	5.0
315/60 R 22.5	2.5	5.0



Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
205/75 R 17.5	2.0	6.0 - 7.0
215/75 R 17.5	2.0	6.0 - 7.0
225/75 R 17.5	2.5	7.0 - 8.0
235/75 R 17.5	2.5	7.0 - 8.0
245/70 R 17.5	3.0	7.0 - 8.0
265/70 R 17.5	2.5	7.0 - 8.0
245/70 R 19.5	2.5	7.0 - 8.0
265/70 R 19.5	2.5	7.0 - 8.0
285/70 R 19.5	2.2	7.0 - 8.0
305/70 R 19.5	2.5	7.0 - 8.0
13 R 22.5	2.5	7.0 - 8.0
295/80 R 22.5	2.5	5.0
315/80 R 22.5	3.0	8.0 - 9.0
275/70 R 22.5	2.9	6.0 - 7.0
305/70 R 22.5	2.3	7.0 - 8.0
315/70 R 22.5	2.8	8.0 - 9.0



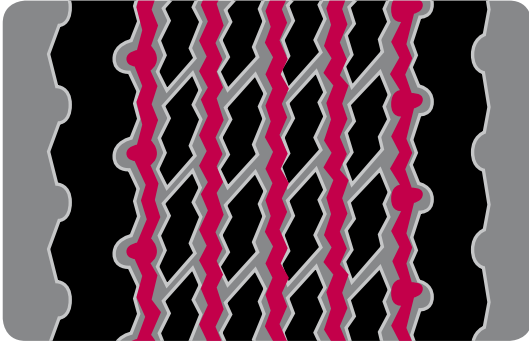
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
295/80 R 22.5	3.0	7.0 - 8.0
315/80 R 22.5	3.0	7.0 - 8.0
315/70 R 22.5	3.0	7.0 - 8.0



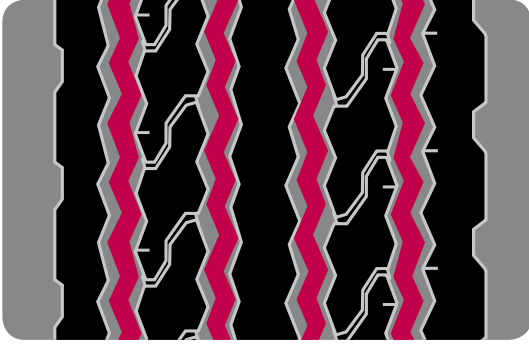
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
R168		
9.5 R 17.5	3.0	7.0 - 8.0
215/75 R 17.5	3.0	7.0 - 8.0
235/75 R 17.5	2.5	7.0 - 8.0
245/70 R 17.5	2.0	7.0 - 8.0
205/65 R 17.5	2.0	7.0 - 8.0
245/70 R 19.5	2.5	7.0 - 8.0
265/70 R 19.5	3.0	7.0 - 8.0
285/70 R 19.5	3.0	7.0 - 8.0
385/55 R 22.5	3.0	7.0 - 8.0
R168PLUS		
385/65 R 22.5	3.0	7.0 - 8.0



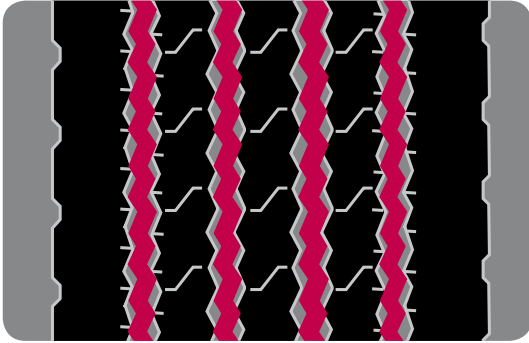
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
435/50 R 19.5	3.0	7.0 - 9.0



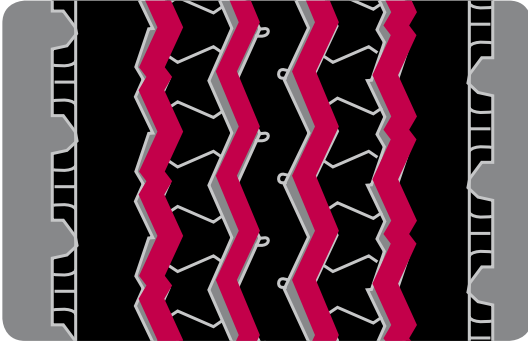
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
385/65 R 22.5	3.0	8.0 max.
425/65 R 22.5	3.0	8.0 - 9.0
445/65 R 22.5	3.0	9.0 - 10.0



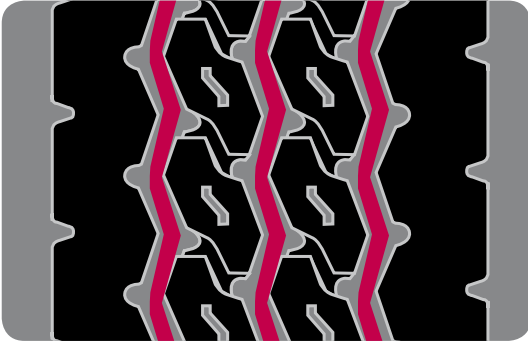
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
10 R 17.5	2.5	7.0 - 8.0



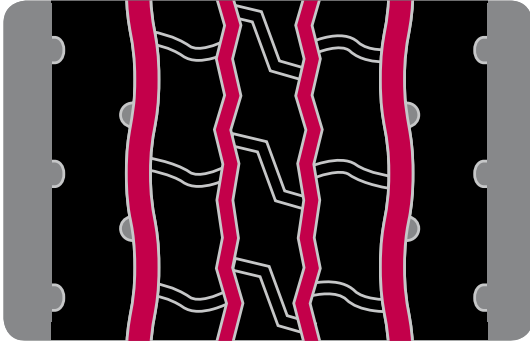
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
205/80 R 15	2.5	7.0 - 8.0
315/80 R 22.5	2.5	7.0 - 8.0
275/70 R 22.5	3.0	7.0 - 8.0



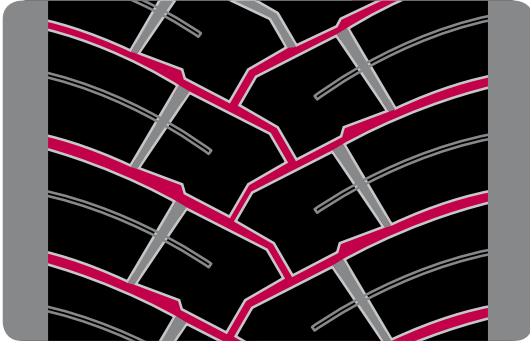
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
7.5 R 15	2.0	6.0 - 7.0
8.25 R 15	2.0	6.0 - 7.0
11 R 22.5	2.5	7.0 - 8.0



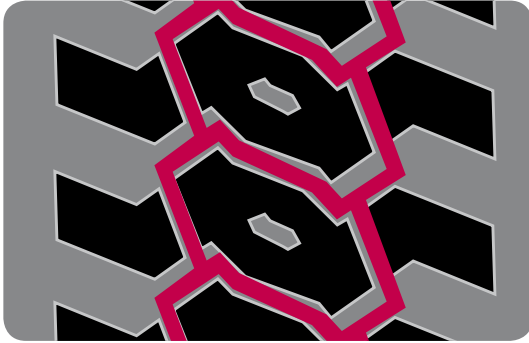
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
M840		
10 R 17.5	3.0	6.0 max.
10 R 22.5	3.0	8.0 max.
11 R 22.5	3.0	8.0 max.
12 R 22.5	3.0	8.0 max.
13 R 22.5	3.0	8.0 max.
295/80 R 22.5	3.0	8.0 max.
315/80 R 22.5	4.0	8.0 max.
275/70 R 22.5	3.0	6.0 max.
M840 EVO		
13 R 22.5	3.0	8.0 max.
315/80 R 22.5	4.0	8.0 max.
M840 EXTRA		
325/95 R 24	3.5	7.0 - 8.0



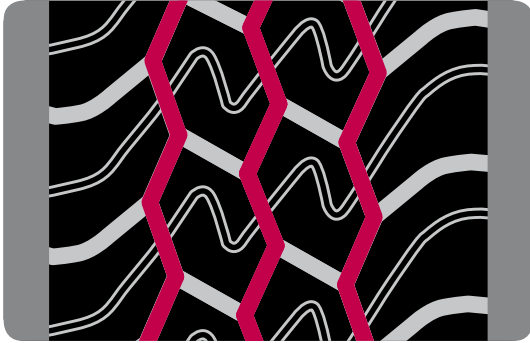
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
315/80 R 22.5	4.0	8.0 max



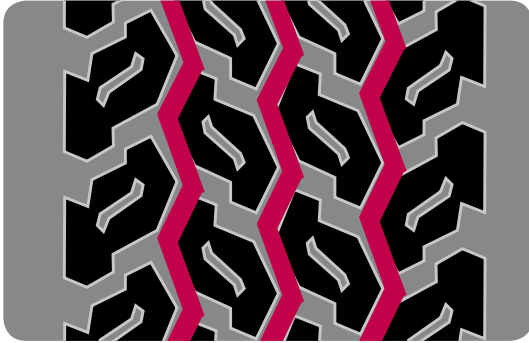
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
13 R 22.5	3.5	7.0 - 8.0
315/80 R 22.5	4.0	8.0



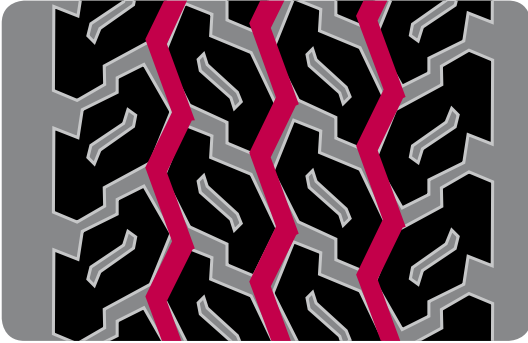
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
L355		
13 R 22.5	3.5	7.0 - 8.0
315/80 R 22.5	4.0	8.0
L355 EVO		
13 R 22.5	3.5	7.0 - 8.0
315/80 R 22.5	4.0	8.0



Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
385/65 R 22.5	3.0	7.0 - 8.0



Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
M748		
365/80 R 20	2.0	6.0 - 7.0
385/65 R 22.5	3.0	7.0 - 8.0
425/65 R 22.5	3.0	8.0 - 9.0
445/65 R 22.5	3.0	9.0 - 10.0
M748 EVO		
385/65 R 22.5	3.0	7.0 - 8.0



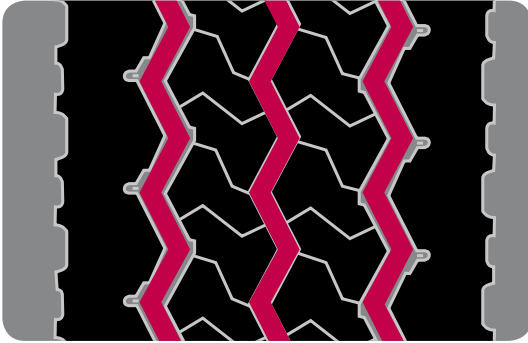
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
445/65 R 22.5	3.0	7.0 - 8.0



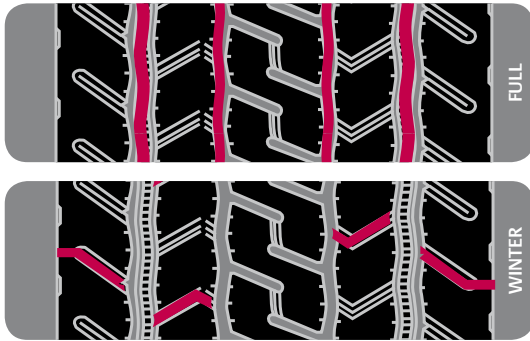
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
L317		
12 R 22.5	2.5	7.0 - 8.0
13 R 22.5	3.5	7.0 - 8.0
12.00 R 24	3.00	7.0 - 8.0
L317 EVO		
13 R 22.5	3.5	7.0 - 8.0



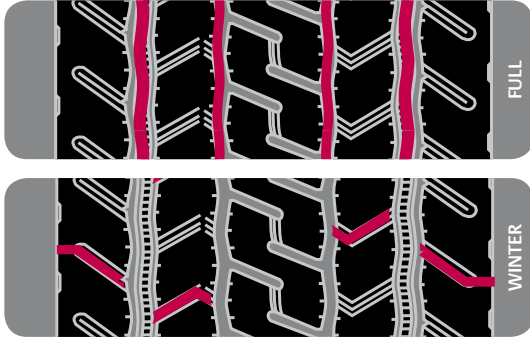
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
245/70 R 19.5	3.0	8.0
275/70 R 22.5	3.0	7.0 - 8.0



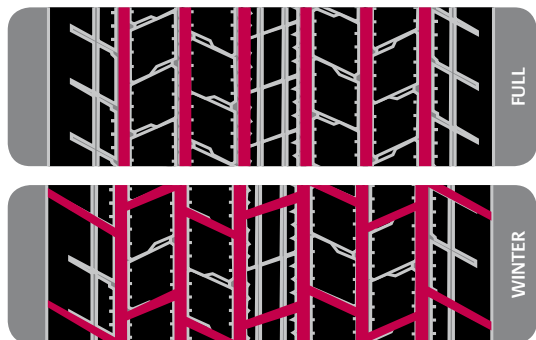
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
305/70 R 19.5	3.0	7.0 - 8.0
11 R 22.5	3.0	8.0
12 R 22.5	3.0	8.0
295/80 R 22.5	2.5	7.0 - 8.0
275/70 R 22.5	2.0	8.0
305/70 R 22.5	3.0	7.0 - 8.0



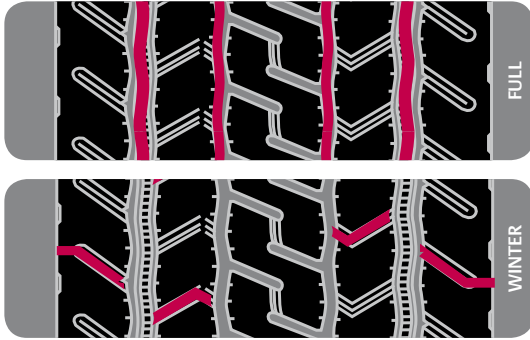
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
315/80 R 22.5	3.0	8.0
275/70 R 22.5	2.0	7.0 - 8.0
315/70 R 22.5	2.0	7.0 - 8.0



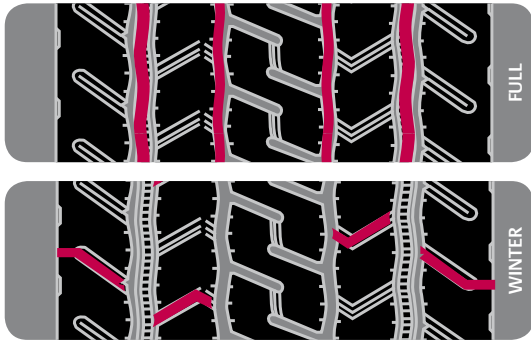
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
295/80 R 22.5	3.0	8.0



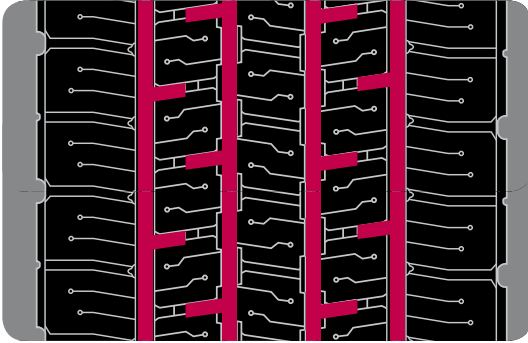
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
435/45 R 22.5	3.0	7.0 - 8.0
455/45 R 22.5	3.0	7.0 - 8.0



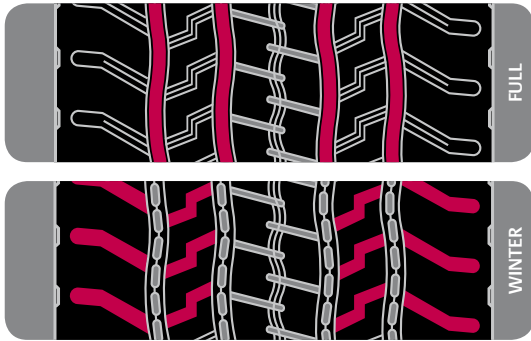
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
295/80 R 22.5	3.0	8.0



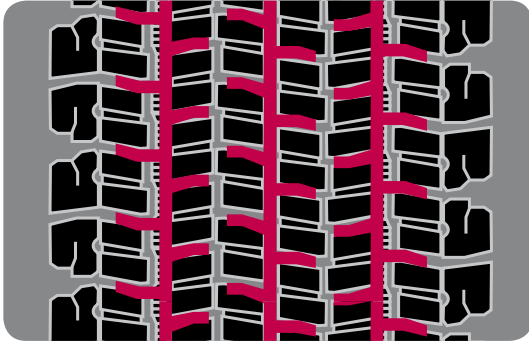
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
315/80 R 22.5	3.0	8.0
275/70 R 22.5	2.0	7.0 - 8.0
315/70 R 22.5	2.0	7.0 - 8.0



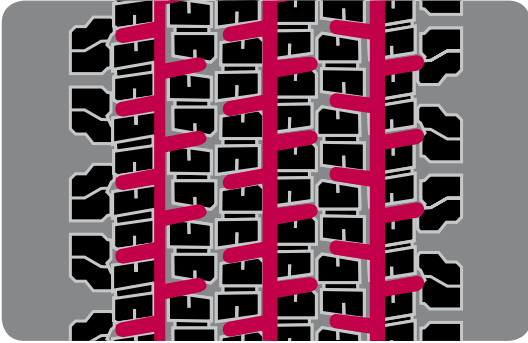
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
295/80 R 22.5	2.5	7.0 - 8.0
315/80 R 22.5	3.0	7.0 - 8.0
275/70 R 22.5	2.5	7.0 - 8.0
315/70 R 22.5	2.5	7.0 - 8.0



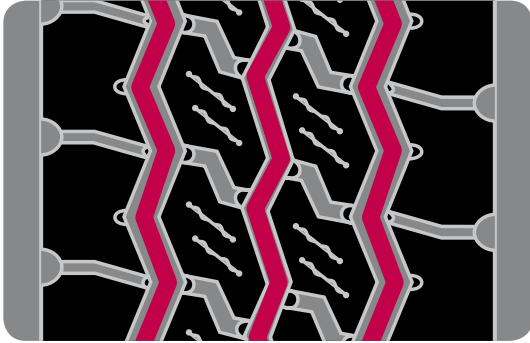
Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
385/65 R 22.5	3.0	5.0
385/55 R 22.5	3.0	5.0 - 6.0



Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
295/80 R 22.5	2.5	7.0 - 8.0
315/80 R 22.5	3.0	7.0 - 8.0
315/70 R 22.5	2.5	7.0 - 8.0
295/60 R 22.5	3.0	7.0 - 8.0



Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
12 R 22.5	3.0	7.0 - 8.0
295/80 R 22.5	3.0	7.0 - 8.0
315/80 R 22.5	3.0	7.0 - 8.0
275/70 R 22.5	2.0	7.0 - 8.0



Size	D: Regrooving depth (mm)	W: Regrooving width (mm)
265/70 R 19.5	3.0	8.0 max