



# New Zealand Metric Application Charts

## Contact Details

Office: 03 447 4200

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Tire Size	On Road (litres)	Off Road (litres)
<b>4-in. Rims:</b>		
2.80-4		0.24
3.40-4		0.24
4.1/3.50 - 4		0.24
9/3.50-4		0.24
4.10-4		0.24
<b>5-in. Rims:</b>		
4.1/3.50 - 5		0.35
11X3.50-5		0.35
11X4.00-5		0.35
10.00X4.50-5		0.35
11X4.50-5		0.35
10.5X5.00-5		0.47
13X3.50-5		0.47
11X6.00-5		0.47
11X7.00-5		0.59
11X7.50-5		0.59
<b>6-in. Rims:</b>		
4.10/3.50-6		0.35
16X4.00-6		0.35
4.00-6		0.35
16X4.50-6		0.47
5.30-6		0.47
6.90/6.00-6		0.59
12X6.00-6		0.59
14X6.00-6		0.59
<b>6-in. Rims:</b>		
15X6.00-6		0.59
13X6.50-6		0.59
12X8.00-6		0.71
12X11.00-6		0.95
<b>7-in. Rims:</b>		
4.50-7		0.47
4.80-7		0.47
<b>8-in. Rims:</b>		
4.00-8		0.47
4.80/4.00-8	0.24	0.47
4.30-8		0.47
4.80-8	0.24	0.59
5.70/5.00-8	0.24	3.55
18X5.70-8		0.71
5.70-8	0.24	0.71
6.00-8		0.71
16X6.50-8		0.83
16.5X6.50-8		0.83
18X6.50-8		0.83
18X7.00-8		0.83
20X7.00-8		0.83
20.5X7.00-8		0.83
16X7.50-8		0.95
18X8.50-8		1.06
18.5X8.50-8		1.06

Tire Size	On Road (litres)	Off Road (litres)
<b>8-in. Rims:</b>		
18X9.00-8		1.06
22X9.00-8		1.06
18X9.50-8		1.18
20X10.00-8		1.18
20.5X10.00-8		1.18
22.5X10.00-8		1.18
20X11.00-8		1.30
21X11.00-8		1.30
22X11.00-8		1.30
21X12.00-8		1.42
<b>9-in. Rims:</b>		
4.80/4.00-9	0.24	0.59
6.00-9		0.83
6.90-9		0.95
21X11.00-9		1.06
25X11.00-9		1.54
22X12.00-9		1.66
25X12.00-9		1.66
25X13.00-9		1.77
<b>10-in. Rims:</b>		
4.50-10		0.71
6.50-10		0.95
21X7.00-10		1.06
7.50-10		1.18
20X8.00-10		1.18
<b>10-in. Rims:</b>		
20.5X8.00-10		1.18
22X8.00-10		1.18
23X8.5-10		1.30
9.00-10		1.30
18X9.50-10		1.42
20X10.00-10		1.54
22X10.00-10		1.54
22X11.00-10		1.66
24X11.00-10		1.66
20X12.00-10		1.77
20X14.00-10		2.13
27X15.00-10		2.19
15.00-10		2.19
20X20.00-10		2.96
20.50-10		3.08
<b>10.5-in. Rims:</b>		
23.00-10.5		3.58
<b>11-in. Rims:</b>		
23X8.00-11		1.30
23.5X8.00-11		1.30
24X9.00-11		1.54
<b>12-in. Rims:</b>		
3.00-12		0.59
4.00-12		0.71
4.50-12		0.83
4.80-12		0.83
5.00-12		0.95
<b>12-in. Rims:</b>		
5.30-12		0.95
5.70-12		1.06
6.00-12		1.06

Tire Size	On Road (litres)	Off Road (litres)
155/80-12	0.24	1.06
7.00-12		1.30
7.50-12		1.30
23X8.00-12		1.42
8.30-12		1.54
23X8.50-12		1.54
23X9.00-12		1.66
27X10.00-12		1.77
10.00-12		1.77
23X10.50-12		1.89
13X12.00-12		2.13
24X12.00-12		2.13
26X12.00-12		2.13
24X13.00-12		2.37
<b>13-in. Rims:</b>		
155/80-13	0.35	1.18
175/80-13	0.47	1.30
185/80-13	0.47	1.42
<b>14-in. Rims:</b>		
7.50-14		1.54
7.60-14		1.54
205/75-14	0.47	1.66
215/75-14	0.47	1.77
25X8.50-14		1.77
8.50-14		1.77
9.50-14		2.01
11.00-14		2.25
13.00-14		2.72
<b>15-in. Rims:</b>		
25X2.50-15		0.59
4.00-15	0.35	0.95
4.40-15	0.35	0.95
5.00-15	0.35	1.18
5.70-15	0.47	1.30
5.90-15	0.47	1.30
6.00-15	0.47	1.30
6.70-15	0.47	1.54
175/85-15	0.47	1.54
7.00-15	0.59	1.54
25X7.50-15	0.59	1.66
7.60-15	0.59	1.66
205/85-15	0.59	1.77
205/75-15	0.59	1.77
8.25-15	0.59	1.89
215/75-15	0.59	1.89
27X8.50-15	0.44	1.89
28X8.5-15	0.59	1.89
8.5-15		1.89
225/75-15	0.47	2.01
235/75-15	0.71	2.01
28X9.00-15	0.71	2.01
27X9.50-15	0.71	2.13
29X9.50-15	0.71	2.13
<b>15-in. Rims:</b>		
30X9.50-15	0.71	2.13
32X9.50-15	0.71	2.13
250/70-15	0.71	2.25
29X10.00-15	0.71	2.25
10.00-15		2.25
25X10.50-15	0.83	2.37
27X10.50-15	0.83	2.37
31X10.50-15	0.83	2.37
36X11.00-15	0.83	2.48
11.00-15		2.48

Tire Size	On Road (litres)	Off Road (litres)
31X11.50-15	0.83	2.60
32X11.50-15	0.83	2.60
32X12.00-15	0.95	2.72
33X12.00-15	0.95	2.72
12.00-15		2.72
28X12.00-15	0.95	2.72
25X12.50-15	0.95	2.84
29X12.50-15	0.95	2.84
31X12.50-15	0.95	2.84
33X12.50-15	0.95	2.84
25X12.50-15	0.95	2.84
12.50-15		2.84
28X13.00-15	0.95	2.96
31X13.50-15	1.06	2.96
36X13.50-15	1.06	2.96
365/80-15	1.06	3.19
14.50-15		3.19
32X15.00-15	1.18	3.31
35X15.00-15	1.18	3.31
31X15.00-15	1.18	3.43
38X16.00-15	1.18	3.55
21.50-15		4.73
<u>15.5-in. Rims:</u>		
31X15.00-15.5		3.43
<u>16-in. Rims:</u>		
4.00-16		0.95
4.50-16		1.06
5.00-16		1.18
5.50-16		1.30
6.00X16		1.42
6.50X16		1.54
6.60-16		1.54
7.00-16		1.66
7.20-16		1.77
7.50-16		1.77
7.50/8.00-16	0.59	1.89
8.00-16		1.89
8.25-16		2.01
8.30-16		2.01
215/85-16	0.47	2.01
225/75-16	0.47	2.13
225/85-16	0.47	2.13
9.00-16		2.13
235/85-16	0.47	2.25
9.50-16		2.25
245/75-16	0.47	2.25
245/85-16	0.47	2.25
<u>16-in. Rims:</u>		
10.00-16		2.37
255/85-16	0.47	2.37
265/75-16	0.47	2.48
11.00-16		2.60
280/70-16	0.47	2.60
11.20-16		2.72
12.40-16		2.96
12.50-16		2.96
13.50-16		3.19
13.60-16		3.19

Tire Size	On Road (litres)	Off Road (litres)
<u>16.1-in. Rims:</u>		
11.00-16.1		2.60
13.50-16.1		3.19
13.60-16.1		3.19
14.00-16.1		3.31
14.5/75-16.1		3.43
16.50-16.1		3.90
18.40-16.1		4.38
35X19.00-16.1		4.50
38X19.00-16.1		4.50
38X20.00-16.1		4.73
21.50-16.1		5.09
<u>16.5-in. Rims:</u>		
8.75-16.5		2.13
9.00-16.5		2.25
10.00-16.5		2.48
31X10.50-16.5		2.60
31X12.00-16.5		2.84
12.00-16.5		2.96
33X12.50-16.5		3.08
35X14.50-16.5		3.55
33X15.00-16.5		3.67
33X15.50-16.5		3.79
<u>17-in. Rims:</u>		
7.00-17		1.77
7.50-17		1.89
8.25-17		2.13
<u>17.5-in. Rims:</u>		
7.00-17.5		1.77
8.00-17.5		2.13
205/65-17.5		2.13
215/75-17.5		2.25
8.50-17.5		2.25
225/65-17.5		2.37
225/70-17.5		2.37
225/75-17.5		2.37
9.00-17.5		2.37
235/75-17.5		2.37
240/55-17.5		2.48
255/70-17.5		2.48
10.00-17.5		2.60
255/60-17.5		2.60
255/70-17.5		2.60
11.00-17.5		2.84
14.00-17.5		3.67
<u>17.5-in. Rims:</u>		
36X16.00-17.5		4.14
<u>18-in. Rims:</u>		
4.00-18		1.06
6.00-18		1.66
7.00-18		1.89
7.50-18		2.01
10.00-18		2.72
10.50/80-18		2.84
10.50-18		2.84
11.00-18		2.96
12.00/12.50-18		3.19
12.50-18		3.31
12.5/80-18		3.31
13.00-18		3.43

Tire Size	On Road (litres)	Off Road (litres)
335/80-18	1.18	3.55
340/80-18	1.18	3.55
365/70-18	1.30	3.79
400/70-18	1.42	4.26
<u>19-in. Rims:</u>		
4.00-19		1.18
6.00-19		1.66
<u>19.5-in. Rims:</u>		
7.00-19.5		2.01
8.00-19.5		2.37
225/70-19.5	0.83	2.60
9.00-19.5		2.60
9.50-19.5		2.72
245/70-19.5	0.95	2.84
245/75-19.5	0.95	2.84
265/70-19.5	1.06	3.08
265/75-19.5	1.06	3.08
285/70-19.5	1.06	3.19
285/75-19.5	1.06	3.19
305/70-19.5	1.18	3.43
305/75-19.5	1.18	3.43
15.00-19.5		4.38
385/65/19.5	1.42	4.38
33X16.00-19.5		4.61
16.50-19.5		4.73
435/50-19.5	1.66	4.97
445/55-19.5	1.66	5.09
445/65/19.5	1.66	5.09
18.00-19.5		5.20
40X19.00-19.5		5.44
19.50-19.5		5.68
<u>20-in. Rims:</u>		
7.00-20		2.13
7.25-20		2.13
7.50-20		2.25
8.00-20		2.37
8.25-20		2.48
9.00-20		2.72
9.50-20		2.84
10.00-20	1.42	2.96
10.30-20	1.42	3.08
<u>20-in. Rims:</u>		
10.00/10.50-20	1.42	6.03
10.50-20	1.42	3.08
11.00-20	1.42	3.31
280/70-20	1.42	3.31
11.20-20		3.31
11.50-20		3.43
300/70-20	1.42	3.55
12.00-20		3.55
12.50-20		3.67
13.00-20		3.90
225/80-20	1.42	3.90
38X14.00-41X14.00-20	0.59	4.14
		4.14
365/80-20	1.42	4.26
365/85-20	1.42	4.26
14.50-20		4.26
380/70/20		4.50
395/85-20		4.61
400/70/20		4.73
405/70-20		4.73
16.00-20		4.73
17.50-20		5.20
44X18.00-20		5.32
50X20.00-20		5.91
24X24.00-		7.10

Tire Size	On Road (litres)	Off Road (litres)
20		
42X25.00-20		7.45
47X25.00-20		7.45
48X25.00-20		7.45
48X26.5-20		7.81
48X31.00-20		9.23
44X41-20		12.18
<u>20.5-in. Rims:</u>		
24.00-20.5		7.28
<u>21-in. Rims:</u>		
5.00-21		1.54
6.00-21		1.89
12.00-21		3.79
16.00-21		4.97
21.00-21		6.51
23.00-21		7.22
24.00-21		7.45
27.25-21		8.52
<u>22-in. Rims:</u>		
7.50-22		2.48
8.50-22		2.84
9.50-22		3.08
10.00-22		3.31
11.00-22		3.55
12.00-22		3.90
<u>22.5-in. Rims:</u>		
8.00-22.5		2.72
205/70-22.5	1.42	2.72
225/60-22.5	1.42	2.96
9.00-22.5	1.42	2.72
235/80-22.5	1.42	3.08
<u>22.5-in. Rims:</u>		
245/75-22.5	1.42	3.19
10.00-22.5	1.42	3.31
255/70-22.5	1.42	3.31
265/70-22.5	1.42	3.43
255/80-22.5	1.42	3.43
265/75-22.5	1.42	3.43
275/70-22.5	1.42	3.67
275/80-22.5	1.42	3.67
11.00-22.5	1.42	3.67
11.50-22.5	1.42	3.79
295/60-22.5	1.42	3.90
295/70-22.5	1.42	3.90
295/75-22.5	1.42	3.90
295/80-22.5	1.42	3.90
12.00-22.5	1.42	4.02
305/75-22.5	1.42	4.02
315/60-22.5	1.54	4.14
315/70-22.5	1.54	4.14
315/80-22.5	1.54	4.14
12.50-22.5	1.54	4.14
13.00-22.5	1.54	4.38
14.00-22.5		4.73
365/70-22.5	1.66	4.85
15.00-22.5		4.97
385/65-22.5	1.66	5.09
15.5-22.5		5.20
16.00-22.5		5.32
16.5-22.5		5.56
425/50-22.5	1.89	5.56
425/65-22.5	1.89	5.56
445/50-22.5	1.89	5.80
445/65-22.5	1.89	5.80
455/55-22.5	1.89	6.03
41X18.00-		6.03

Tire Size	On Road (litres)	Off Road (litres)
22.5		
18.00-22.5		6.03
500/60-22.5		6.51
600/50-22.5		7.93
700/50-22.5		8.28
710/40-22.5		9.35
<u>23.5-in. Rims:</u>		
23.00-23.5		8.04
<u>24-in. Rims:</u>		
7.20-24		2.60
7.50-24		3.08
8.30-24		3.55
9.00-24		3.90
9.50-24		4.14
10.00-24		4.26
255/70-24		4.26
11.00-24		4.26
11.20-24		4.26
11.25-24		4.26
11.40-24		4.26
11.50-24		4.26
12.00-24		4.26
12.40-24		4.38
320/70-24		4.50
<u>24-in. Rims:</u>		
320/75-24		4.50
320/85-24		4.50
13.00-24		4.73
340/85-24		4.73
13.60-24		4.85
14.00-24		4.97
360/70-24		5.09
14.90-24		5.20
380/70-24		5.32
380/85-24		5.32
15.00-24		5.32
16.00-24		5.68
16.50-24		5.91
420/70-24		5.91
16.90-24		6.03
17.00/80-24		6.03
440/80-24		6.15
17.50-24		6.15
18.00-24		6.39
460/70-24		6.39
18.30-24		6.51
18.40-24		6.51
480/65-24		6.74
480/70-24		6.74
19.40-24		6.86
19.50-24		6.98
500/70-24		6.98
20.00-24		7.10
21.00-24		7.45
540/65-24		7.57
540/70-24		7.57
560/65-24		7.81
<u>24.5-in. Rims:</u>		
275/80-24.5	1.30	3.90
11.00-24.5	1.30	4.02
285/75-24.5	1.42	4.02
285/80-24.5	1.42	4.02
295/75-24.5	1.42	4.26
12.00-24.5		4.32
305/75-24.5	1.42	4.32
13.50-24.5		4.85
355/75-24.5	1.66	5.09
15.00-24.5		5.44
18.00-24.5		6.51
<u>25-in. Rims:</u>		

Tire Size	On Road (litres)	Off Road (litres)
265/70-25		3.90
11.00-25		4.14
12.00-25		4.50
13.00-25		4.85
14.00-25		5.20
15.50-25		5.80
16.00-25		5.91
17.50-25		6.51
445/80-25		6.51
445/95-25		6.51
61X18.00-25		6.62
20.50-25		7.57
<u>25-in. Rims:</u>		
525/80-25		7.69
525/95-25		7.69
21.00-25		7.81
550/65-25		8.04
22.00/65-25		8.16
22.00-25		8.16
23.00/90-25		8.52
23.50-25		8.75
24.00-25		8.87
25.00/65-25		9.23
650/65-25		9.46
660/34-25		9.58
670/34-25		9.82
26.50-25		9.82
705/65-25		10.29
705/70-25		10.29
29.50-25		10.88
750/65-25		10.88
755/70-25		11.00
800/50-25		11.59
850/65-25		12.42
67X34.00-25		12.54
54X37.00-25		13.72
40.50/75-25		15.02
1050/50-25		15.26
66X43.00-25		15.97
66X44.00-25		16.32
<u>26-in. Rims:</u>		
12.40-26		4.73
13.60-26		5.20
14.90-26		5.80
420/85-26		6.39
16.90-26		6.51
18.00-26		6.98
18.40-26		7.10
480/80-26		7.33
580/70-26		8.75
23.10-26		8.87
23.50-26		9.11
24.00-26		9.23
620/75-26		9.35
28.00-26		10.76
750/55-26		11.36
54X31.00-26		11.95
57X31.00-26		11.95
67X34.00-26		13.13
66X43.00-26		16.56
<u>28-in. Rims:</u>		
11.20-28		4.61
11.25-28		4.73
11.90-28		4.97
12.4-28		5.20
13.60-28		5.68

Tire Size	On Road (litres)	Off Road (litres)
360/70-28		5.91
14.90-28		6.15
380/85-28		6.15
15.00-28		6.27
<u>28-in. Rims:</u>		
420/70-28		6.86
420/85-28		6.86
16.90-28		6.98
17.00-28		7.10
440/80-28		7.22
18.40-28		7.69
480/65-28		7.81
480/70-28		7.81
21.00-28		8.75
540/65-28		8.87
580/70-28		9.46
600/65-28		9.82
<u>29-in. Rims:</u>		
21.00-29		8.99
24.00-29		10.29
26.50-29		11.36
29.50-29		12.66
30.00/65-29		12.89
775/65-29		13.13
800/65-29		13.49
33.25-29		14.31
875/65-29		14.79
<u>30-in. Rims:</u>		
4.00-30		1.77
6.00-30		2.72
7.20-30		3.19
9.5-30		4.26
14.9-30		6.62
380/85-30		6.62
420/90-30		7.33
16.90-30		7.57
17.00-30		7.57
18.40-30		8.16
480/70-30		8.40
480/80-30		8.40
480/85-30		8.40
21.00-30		9.35
540/65-30		9.46
520/70-30		10.17
23.10-30		10.29
600/70-30		10.53
620/75-30		10.88
67X30.00-30		13.37
67X34.00-30		15.14
<u>32-in. Rims:</u>		
8.30-32		3.90
9.50-32		4.50
12.40-32		5.91
16.90-32		8.04
24.50-32		11.59
650/75-32		12.07
30.00-32		14.20
30.50-32		14.43
800/65-32		14.91
33.50-32		15.85
900/55-32		16.80
<u>32-in. Rims:</u>		
900/60-32		16.80
900/65-32		16.80
35.50-32		16.80
73X44.00-32		20.82
68X50.00-32		23.66
<u>33-in. Rims:</u>		

Tire Size	On Road (litres)	Off Road (litres)
18.00-33		8.75
27.00-33		13.25
30.00-33		14.67
33.50-33		16.32
35/65-33		17.15
37.50-33		18.34
35/65-33		17.03
<u>33.5-in. Rims:</u>		
13.00-33.5		6.51
<u>34-in. Rims:</u>		
11.20-34		5.68
290/95-34		5.80
12.40-34		6.27
320/85-34		6.39
14.90-34		7.45
380/85-34		7.57
385/85-34		7.69
420/70-34		8.28
420/80-34		8.28
420/85-34		8.28
16.90-34		8.52
18.40-34		9.23
18.50-34		9.35
480/70-34		9.46
480/85-34		9.46
20.80-34		10.53
540/65-34		10.65
540/75-34		10.65
23.10-34		11.59
650/75-34		12.89
710/75-34		14.08
<u>35-in. Rims:</u>		
21.00-35		10.88
24.00-35		12.42
29.50-35		15.26
33.25-35		17.27
37.25-35		19.28
<u>36-in. Rims:</u>		
9.50-36		5.09
11.20-36		6.03
12.40-36		6.62
320/85-36		6.74
13.60-36		7.22
13.90-36		7.39
14.90-36		8.04
16.9-36		8.99
18.00-36		9.58
<u>38-in. Rims:</u>		
11.20-38		6.27
12.40-38		6.98
320/85-38		7.10
13.60-38		7.69
14.90-38		8.40
380/80-38		8.40
15.50-38		8.75
16.90-38		9.46
18.40-38		10.41
480/80-38		10.65
500/85-38		11.12
520/85-38		11.47
20.80-38		11.71
580/70-38		12.89
600/65-38		13.25
650/65-38		14.43
650/75-38		14.43
650/85-38		14.43
710/70-38		15.73
800/70-38		17.74
850/80-38		18.81

Tire Size	On Road (litres)	Off Road (litres)
<u>39-in. Rims:</u>		
33.50-39		19.28
37.50-39		21.65
40.00-39		23.07
40.50/75-39		23.42
41.25/70-39		23.78
43.50-39		25.08
45.00/65-39		26.02
900/50-39		20.94
<u>42-in. Rims:</u>		
9.50-42		5.91
12.40-42		7.69
320/80-42		7.81
320/90-42		7.81
18.40-42		11.47
480/80-42		11.71
500/85-42		12.18
520/85-42		12.78
20.80-42		12.89
620/70-42		15.14
650/65-42		15.85
710/70-42		17.39
900/50-42		22.00
<u>43-in. Rims:</u>		
24.00-43		15.26
<u>45-in. Rims:</u>		
45.00/65-45		29.93
65.00/45-45		43.30
<u>46-in. Rims:</u>		
12.4-46		8.40
320/90-46		8.64
340/85-46		9.11
13.60-46		9.23
<u>46-in. Rims:</u>		
14.9-46		10.17
380/85-46		10.17
420/80-46		11.24
18.40-46		12.54
480/80-46		12.89
500/85-46		13.37
520/85-46		13.96
620/70-46		16.56
<u>48-in. Rims:</u>		
230/95-48		6.39
<u>49-in. Rims:</u>		
18.00-49		13.01
21.00-49		15.26
24.00-49		17.39
27.00-49		19.64
<u>50-in. Rims:</u>		
320/90-50		9.35
380/90-50		11.12
380/105-50		11.12
480/80-50		13.96
<u>51-in. Rims:</u>		
30.00-51		22.59
33.00-51		24.96
36.00-51		27.21
37.50-51		28.27
50.00/65-51		37.74
<u>54-in. Rims:</u>		
12.40-54		9.94
320/90-54		10.06
320/105-54		10.06
380/90-54		11.95

Tire Size	On Road (litres)	Off Road (litres)
<u>56.5-in. Rims:</u>		
27.00-56.5		22.59
30.00-56.5		25.08
<u>57-in. Rims:</u>		
37.00-57		31.23
40.00-57		33.71
44.00/80-57		37.14
44.00/95-57		37.14
49.50-57		41.76
50.00/80-57		42.11
<u>57-in. Rims:</u>		
50.00/90-57		42.11
55.00/80-57		46.37
<u>63-in. Rims:</u>		
53.00/63-63		49.45
55.00/80-63		51.22
58.00/80-63		54.06