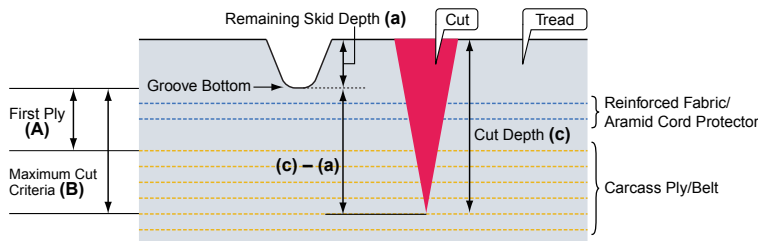
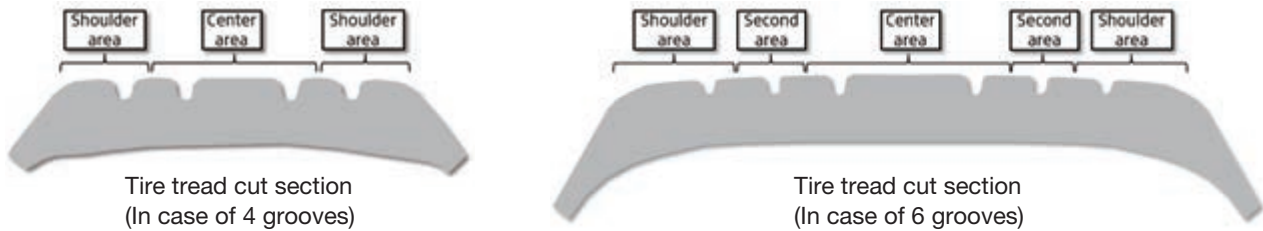


# Cut Depth and Length Limits Table (CL&LL)

When examining cuts on the tire tread surface, refer to the following table to determine depth to the first carcass ply and the maximum cut limit. The cut depth values are measured from the bottom of the tread groove to the casing ply or belt ply. Do not confuse the reinforcing fabric (bias) or the aramid cord protector (radial) with the casing plies or belts. In the event that it is not possible to either make an informed judgment or take measurements, if the reinforcing fabric (bias) or aramid cord protector (radial) is visible, remove the tire and return the product to Bridgestone.

The “Center”, “Second”, and “Shoulder” value in the table stands for each tread area of the tire as shown in a figure below.



## Recommended Action

- Remove the tire if  $(c) - (a) > (A)$
- Scrap the tire if  $(c) - (a) > (B)$

## TYPE III & TYPE VII TIRES

Tire Size	PR	MPH	Part Number	CL: Cut Depth limit (mm)						LL: Cut Length Limit (mm)
				Removal Limit			Rejection Limit			Removal Limit (Tread)
				(A) To First Ply			(B) Maximum Cut Criteria 40% of Total Plies			
				Center	Second	Shoulder	Center	Second	Shoulder	
6.00-6	6	120	APS01055,-A	2.0		3.0	2.0		3.0	30
8.50-10	10	160	APS01110,-A	5.0		4.5	6.0		5.5	30
8.90-12.50	6	120	APS01156,-A	2.0		2.0	2.0		2.0	30
11.00-12	8	120	APS01147,-A	7.5	4.5	2.0	9.0	6.0	3.5	30
12.50-16	12	120	APS00170,-A,-B	5.0	4.5	5.0	8.0	6.5	7.0	35
12.50-16	12	160	APS01250,-A	5.0	4.5	5.0	7.5	6.5	7.0	35
24x7.7	6	190	APS01144	4.0		5.0	5.0		6.0	30
24x7.7	10	120	APS00330-A,-B	5.0		5.0	6.5		6.5	30
24x7.7	10	160	APS01122,-A	4.5		4.5	5.5		6.0	30
24x7.7	10	225	APS01142	4.0		4.0	5.0		5.0	30
24x7.7	14	210	APS00358-A,-B	5.5		7.5	7.0		9.5	30
24x7.7	14	190	APS01126,-A	3.5		6.0	5.0		8.0	30
24x7.7	16	225	APS00362,-A,-B	6.0		7.0	9.0		10.5	30
24.5x8.5	10	210	APS01140,-A	6.0		5.0	8.0		7.0	30
26x6.6	10	225	APS00278-B,-C	5.5		6.0	6.5		7.0	30
26x6.6	10	225	APS01162,-A	5.5		6.5	7.0		8.0	30
26x6.6	12	225	APS00281-A,-B	5.5		6.5	7.0		8.5	30
30x8.8	16	225	APS01203	6.0		7.5	9.0		10.0	30
34x11	22	225	APS00400-A,-B	6.0	9.0	12.5	11.0	14.0	18.0	30
36x11	22	225	APS00413-E,-F	6.5		8.5	11.0		13.0	35
39x13	14	180	APS01253,-A	5.0	8.0	12.0	7.0	9.5	14.5	35
39x13	16	225	APS00419-A,-B	7.0	8.5	12.0	10.0	12.0	15.0	35
39x13	22	190	APS01258,-A	5.0		7.5	9.0		11.5	35
39x13	24	190	APS01471	5.0		7.5	9.0		11.5	35
39x13	24	210	APS01472	5.0		7.5	9.0		11.5	35
40x12	20	210	APS01259	7.0		8.0	11.0		11.5	40
40x14	16	210	APS01267,-A	6.5	6.5	7.0	10.0	9.5	9.5	40

Tire Size	PR	MPH	Part Number	CL: Cut Depth limit (mm)						LL: Cut Length Limit (mm)
				Removal Limit			Rejection Limit			Removal Limit (Tread)
				(A) To First Ply			(B) Maximum Cut Criteria 40% of Total Plies			
				Center	Second	Shoulder	Center	Second	Shoulder	
40X14	22	225	APS00453-B,-C	6.0	7.0	10.0	10.0	10.0	14.0	40
40X14	24	210	APS00478-F	7.0	7.5	7.5	11.5	12.0	12.0	40
40X14	24	210	APS01294	5.5		7.0	8.5		9.5	40
40X14	24	210	APS01294-A	4.5		9.0	7.5		12.0	40
40X14	24	225	APS00481-E	7.0	7.5	7.5	13.0	14.0	14.0	40
40X14	24	225	APS01291	5.5		7.0	8.5		10.0	40
40X14	24	225	APS01291-A,B	4.5		9.0	7.5		12.0	40
40X14	28	225	APS00483-C,D	7.0	10.0	10.0	14.0	15.5	16.5	40
44X16	30	225	APS00499-C,D	7.0	9.0	12.0	14.0	15.0	19.0	40
46X16	28	225	APS00516-E	8.0	8.0	8.5	14.0	14.5	15.5	40
46X16	28	225	APS01347	5.5		6.5	11.5		13.0	40
46X16	28	225	APS01347-A	5.5		8.5	11.0		15.0	40
46X16	30	225	APS00524-D,E	8.0	8.5	9.5	14.5	15.0	15.5	40
46X16	30	225	APS01346	6.0		7.0	11.5		13.0	40
46X16	30	225	APS01346-A,B	5.5		8.5	11.0		15.0	40
46X16	32	225	APS00528-B	8.0	9.0	8.0	18.5	19.5	18.5	40
46X16	32	225	APS01345	6.0		7.0	13.5		14.5	40
46X16	32	225	APS01345-A	5.5		9.0	13.5		17.0	40
49X17	28	210	APS00539-E	8.0	9.0	9.0	13.5	15.0	15.0	40
49X17	28	210	APS01355	6.0		7.0	12.0		13.0	40
49X17	28	210	APS01355-A	5.5		7.5	11.5		13.5	40
49X17	30	210	APS00522-C	7.5	9.0	10.0	15.0	17.0	18.0	40
49X17	30	210	APS01354	6.0		7.0	12.0		13.0	40
49X17	30	210	APS01354-A	5.5		7.5	11.5		13.5	40
49X17	30	225	APS00554-D	7.0	10.0	10.0	15.0	17.0	17.0	40
49X17	30	225	APS01351	6.0		7.5	12.0		13.0	40
49X17	30	225	APS01351-C,D	6.5		8.0	12.5		14.0	40
49X17	30	225	APS01351-A	6.0		7.5	10.0		11.0	40
49X17	32	225	APS00558-C	7.5	9.0	9.0	14.0	16.0	17.0	40
49X17	32	225	APS01350	6.5		7.5	12.5		14.0	40
49X17	32	225	APS01350-B,C	6.5		8.0	13.5		15.0	40
49X17	32	235	APS01348	7.5		9.0	14.0	16.0	17.0	40
49X17	32	235	APS01306	6.5		7.5	13.0		14.0	40
49X17	32	235	APS01306-B,C	6.5		8.0	13.5		15.0	40

### THREE PARTS TYPE TIRES

Tire Size	PR	MPH	Part Number	CL: Cut Depth limit (mm)						LL: Cut Length Limit (mm)
				Removal Limit			Rejection Limit			Removal Limit (Tread)
				(A) To First Ply			(B) Maximum Cut Criteria 40% of Total Plies			
				Center	Second	Shoulder	Center	Second	Shoulder	
17.5X6.25-6	8	190	APS01062	3.5		4.0	*	*	*	30
24X7.25-12	10	210	APS01139	5.0		5.0	*	*	*	30
28X9.00-12	8	190	APS01146	5.0	5.0	5.0	6.5	6.5	6.5	30
27X7.75-15	10	225	APS01205-A,-B	6.0		6.0	8.0		8.0	30
27X7.75-15	12	225	APS01207	6.0		6.0	9.0		9.0	30
32X11.50-15	12	210	APS00569-C,-D	6.0		7.0	8.0		10.0	30
32X11.50-15	12	225	APS01210,-A	6.0		7.0	8.0		10.0	30
34X10.75-16	10	190	APS01228	6.0		7.0	7.0		8.0	30
34X10.75-16	12	190	APS01229	6.0		6.5	7.5		8.0	30
37X13.0-16	26	225	APS01241,-A	8.5	9.5	9.5	15.0	15.5	15.5	35
40X15.5-16	26	235	APS00571,-B,-C	7.0	7.0	7.0	13.0	13.0	13.0	40
40X15.5-16	28	235	APS00587,-A	6.5	6.5	6.5	13.0	13.0	13.0	40
40X15.5-16	28	235	APS01458	5.0		5.0	8.5		9.0	40
40.5X15.5-16	28	235	APS01301	5.0		4.5	9.5		9.0	40
41X15.0-18	22	225	APS00576-C,-D	8.0	10.0	11.5	13.0	15.0	16.0	40
41X15.0-18	24	225	APS00588,-A	8.0	11.0	12.0	15.0	18.0	19.0	40
44.5X16.5-18	30	225	APS00574-A,-D	6.5	7.5	10.0	13.0	15.0	17.5	40
49X18.0-22	30	225	APS06009	5.5		6.0	10.5		11.0	40
49X19.0-20	32	235	APS00563-C	8.5	9.0	9.5	15.5	16.5	17.5	40
49X19.0-20	32	235	APS01450	6.5		6.0	13.0		12.5	40
49X19.0-20	32	235	APS01450-A,B	8.5		7.0	15.0		13.0	40

Tire Size	PR	MPH	Part Number	CL: Cut Depth limit (mm)						LL: Cut Length Limit (mm)
				Removal Limit			Rejection Limit			Removal Limit (Tread)
				(A) To First Ply			(B) Maximum Cut Criteria 40% of Total Plies			
				Center	Second	Shoulder	Center	Second	Shoulder	
49x19.0-20	34	235	APS00591-A	8.0	9.0	10.0	16.0	16.5	17.5	40
49x19.0-20	34	235	APS01451	6.0		6.0	15.0		14.0	40
49x19.0-20	34	235	APS01451-A	8.5		7.0	16.0		14.0	40
50x20.0-20	32	225	APS00617-F	8.0	8.0	7.5	16.5	15.0	14.0	40
50x20.0-20	32	225	APS006000	6.0		6.5	12.5		12.5	40
50x20.0-20	34	225	APS00623-C	8.0	7.5	6.5	19.0	18.0	18.0	40
50x20.0-20	34	225	APS06001	6.0		6.5	14.0		14.0	40
50x21.0-20	28	210	APS00625-C,-D	7.5	7.0	7.0	15.0	14.5	15.0	40
50x21.0-20	30	210	APS00635-C	7.5	8.0	8.0	15.0	15.0	16.0	40
50x21.0-20	30	210	APS06003	6.0		5.5	12.5		11.5	40
50x21.0-20	30	225	APS01467-A	7.5	7.5	7.5	14.5	14.5	15.5	40
50x21.0-20	30	225	APS06004	6.0		5.5	12.5		11.5	40
52x20.5-20	36	225	APS00655-B,-C	8.0	9.0	10.0	17.0	19.0	20.0	40
52x20.5-23	28	235	APS00700-E	7.5	8.0	8.0	14.5	15.5	16.5	40
52x20.5-23	28	235	APS01486	5.5		5.5	13.0		12.5	40
52x20.5-23	30	235	APS00754-C	8.0		8.0	16.0		16.5	40
52x20.5-23	30	235	APS01501	5.5		5.5	14.0		13.5	40
54x21.0-23	32	235	APS01508	5.5		5.5	13.5		13.5	40

\* : Not retreaded

## H TYPE TIRES

Tire Size	PR	MPH	Part Number	CL: Cut Depth limit (mm)						LL: Cut Length Limit (mm)
				Removal Limit			Rejection Limit			Removal Limit (Tread)
				(A) To First Ply			(B) Maximum Cut Criteria 40% of Total Plies			
				Center	Second	Shoulder	Center	Second	Shoulder	
H31x13.0-12	20	225	APS01150,-A	5.0		7.0	8.0		9.5	30
H31x13.0-12	20	235	APS01570	5.0		7.0	8.0		9.5	30
H37x14.0-15	22	225	APS01214,-A	7.0		7.0	11.5		11.5	35
H37x14.0-15	22	235	APS01225	7.0		7.0	11.5		11.5	35
H37x14.0-15	24	225	APS01222	7.5		8.0	13.0		13.5	35
H37x14.0-15	24	225	APS01226	7.5		8.0	13.0		13.5	35
H40x14.0-19	20	225	APS01456	6.0		6.0	9.0		9.0	40
H40x14.5-19	22	225	APS01330-A	8.0	8.0	8.5	13.5	14.0	14.5	40
H40x14.5-19	22	225	APS01338	6.0		6.0	11.5		11.5	40
H40x14.5-19	24	225	APS00598-B	8.0	8.0	8.0	15.5	15.5	15.5	40
H40x14.5-19	24	225	APS01339	6.0		6.0	12.5		12.5	40
H40x14.5-19	26	225	APS01337	6.0		6.0	12.5		12.5	40
H40x14.5-19	26	235	APS04002	7.0		6.0	13.5		12.5	40
H42x16.0-19	26	225	APS01325	6.0		6.0	12.5		12.5	40
H43.5x16.0-21	24	225	APS06012	6.0		6.0	12.0		12.0	40
H43.5x16.0-21	26	225	APS06013	6.0		6.0	12.0		12.0	40
H44.5x16.5-20	24	225	APS00610-B	8.0	7.0	7.0	14.0	13.0	13.0	40
H44.5x16.5-20	24	225	APS01387	6.0		7.0	11.0		11.0	40
H44.5x16.5-20	26	225	APS00612-B	8.0	7.0	6.5	14.5	14.0	13.5	40
H44.5x16.5-20	26	225	APS01505	6.0		6.0	11.0		11.0	40
H44.5x16.5-20	28	225	APS01403A	8.0	7.5	7.5	15.0	14.5	14.5	40
H44.5x16.5-20	28	225	APS01440	6.5		6.5	13.0		13.0	40
H44.5x16.5-21	26	225	APS06008	7.0		7.0	12.0		12.0	40
H44.5x16.5-21	28	225	APS06015	6.5		6.5	13.0		13.0	40
H44.5x16.5-21	28	235	APS06017	6.5		6.5	13.0		13.0	40
H44.5x16.5-21	28	235	APS06020	7.5		6.0	15.0		14.0	40
H44.5x16.5-21	30	235	APS06030	7.5		6.0	15.0		14.0	40
H45x17.0-20	26	225	APS01405-A	8.0	8.5	9.0	15.5	16.0	16.0	40
H45x17.0-20	26	225	APS01404-A	8.0	8.5	9.0	15.5	17.0	17.0	40
H45x17.0-20	26	225	APS01457	5.5		6.0	11.5		12.0	40
H46x18.0-20	26	225	APS01410-B	7.0	8.0	8.0	15.0	16.0	15.5	40
H46x18.0-20	26	225	APS06005	6.0		6.0	12.0		12.0	40
H46x18.0-20	28	225	APS01412-A	7.0	8.5	8.5	16.0	16.0	16.0	40
H46x18.0-20	28	225	APS06006	6.0		5.0	13.5		12.5	40
H46x18.0-20	32	225	APS01441	7.5	8.0	7.5	16.0	16.5	16.5	40
H46x18.0-20	32	225	APS06007	6.0		5.0	14.5		13.0	40
H46x18.0-20	32	235	APS06010	6.0		5.0	14.5		13.0	40

Tire Size	PR	MPH	Part Number	CL: Cut Depth limit (mm)						LL: Cut Length Limit (mm)	
				Removal Limit			Rejection Limit			Removal Limit (Tread)	
				(A) To First Ply			(B) Maximum Cut Criteria 40% of Total Plies				
				Center	Second	Shoulder	Center	Second	Shoulder		
H49×19.0-22	24	225	APS01481	6.0		6.0	11.0		11.0	40	
H49×19.0-22	32	235	APS01480	6.0		6.0	*		*	40	
H49×19.0-22	32	235	APS01482	6.5		6.0	14.0		13.0	40	
H49×19.0-22	32	235	APS01482-A	7.0		5.0	12.0		9.5	40	
H49×19.0-22	32	235	APS01482-B	7.5		7.0	15.0		14.0	40	
H54×21.0-24	36	235	APS01550-A	9.5		9.5	18.5		18.5	40	
H54×21.0-24	36	235	APS01555	6.0		6.0	14.5		14.0	40	
H54×21.0-24	36	235	APS01555-A	6.0		6.0	12.5		12.5	40	

\* : Not retreaded

## RADIAL TIRES

Tire Size	PR	MPH	Part Number	CL: Cut Depth Limit (mm)									LL: Cut Length Limit (mm)	
				To First Belt			Removal Limit			Rejection Limit			Removal (Tread)	Rejection (Belt)
				Center	Second	Shoulder	Center	Second	Shoulder	Center	Second	Shoulder		
24×7.7R10	16	225	APR01220	6.0		7.0	7.5		8.5	7.5		8.5	30	20
27×7.75R15	12	225	APR05100	5.0		5.5	7.5		9.0	7.5		9.0	40	20
27×7.75R15	12	225	APR05101	5.0		5.5	6.5		7.0	6.5		7.0	40	20
27×7.75R15	12	235	APR05102	5.0		5.5	6.5		7.0	6.5		7.0	40	20
30×8.8R15	16	225	APR05140	6.5		6.5	7.0		7.0	7.0		7.0	40	20
30×8.8R15	16	225	APR05145	6.5		5.4	8.0		7.9	8.0		7.9	40	20
H38×13.0R18	20	225	APR04220	6.5		8.0	8.0		9.5	8.0		9.5	40	20
40×16.0R16	16	235	APR06700	7.5		9.0	10.0		10.0	10.0		10.0	50	20
H41×16.0R20	22	225	APR04270	7.0		8.9	8.5		10.4	8.5		10.4	40	20
42×17.0R18	26	235	APR06620	7.5		7.0	9.0		8.0	9.0		8.0	50	20
43×17.5R17	32	235	APR06600	8.0		7.5	10.0		11.0	11.0		11.0	50	20
H44.5×16.5R21	30	235	APR04450	7.5	7.2	6.5	10.0	9.7	9.0	10.0	9.7	9.0	50	20
H44.5×16.5R21	32	235	APR04460	6.5	6.1	6.5	10.0	8.6	9.8	10.0	8.6	9.8	50	20
45×18.0R17	36	235	APR06800	7.0		8.5	9.0		10.5	9.0		10.5	50	20
46×17R20	30	225	APR06751	8.0		8.0	9.0		9.0	9.0		11.5	50	20
46×17R20	30	225	APR06752	7.0		8.0	9.0		9.0	9.0		9.0	50	20
46×17R20	30	225	APR06755	6.5	7.5	12.5	9.0	8.5	12.5	10.5	10.5	14.0	50	20
50×20.0R22	26	235	APR07620	7.0		7.0	8.0		8.0	8.0		8.0	50	20
50×20.0R22	26	235	APR07624	6.5	8.5	13.5	9.5	11.5	13.5	11.0	13.0	15.0	50	20
50×20.0R22	26	235	APR07630	6.5	7.5	8.5	9.0	10.5	10.5	9.0	10.5	10.5	50	20
50×20.0R22	32	235	APR07621	8.0		8.0	8.0		8.0	9.0		9.0	50	20
50×20.0R22	32	235	APR07626	6.5	8.5	13.5	9.5	11.5	13.5	11.0	13.0	13.5	50	20
50×20.0R22	32	235	APR07631	6.5	8.5	10.5	9.0	11.0	12.0	10.5	12.5	13.5	50	20
50×20.0R22	34	235	APR07632	6.5	8.5	10.5	9.0	11.0	12.0	10.5	12.5	13.5	50	20
50×20.0R22	34	235	APR07642	8.0	8.0	9.0	10.5	10.5	11.5	10.5	10.5	11.5	50	20
50×20.0R22	34	235	APR07650	7.8	6.8	9.0	10.3	9.3	11.5	10.3	9.3	11.5	50	20
50×20.0R22	34	235	APR07660	8.0	6.5	9.0	10.5	9.0	11.5	10.5	9.0	11.5	50	20
50×20.0R22	34	245	APR07676	8.0	6.5	8.7	10.5	9.0	11.2	10.5	9.0	11.2	50	20
52×21.0R22	36	235	APR07700	7.5	10.0	11.5	10.0	12.0	15.0	12.0	14.0	16.0	50	20
52×21.0R22	36	235	APR07740	8.5	9.0	8.0	11.0	11.5	10.5	11.0	11.5	10.5	50	20
52×21.0R22	36	235	APR07750	7.1	6.1	8.0	9.6	8.6	10.5	9.6	8.6	10.5	50	20
52×21.0R22	38	245	APR07780	6.3	6.6	8.0	8.6	8.9	10.3	8.6	8.9	10.3	50	20
54×21.0R23	38	235	APR07850	6.5	8.4	9.5	9.0	10.9	12.0	9.0	10.9	12.0	50	20
1050×395R16	28	235	APR06500	7.0		6.5	9.0		9.0	9.0		9.0	50	20
1050×395R16	28	245	APR06505	7.0		6.5	9.0		9.0	9.0		9.0	50	20
1270×455R22	30	225	APR07000-A	7.0		7.0	8.0		8.0	9.0		9.0	50	20
1270×455R22	30	225	APR07001	7.0		7.0	8.0		8.0	9.0		9.0	50	20
1270×455R22	30	225	APR07002	6.0	8.5	14.0	8.5	9.5	14.0	10.0	11.5	15.5	50	20
1270×455R22	32	225	APR07010	6.0	8.5	14.0	8.5	9.5	14.0	10.0	11.5	15.5	50	20
1270×455R22	32	235	APR07011	5.5	6.0	6.5	8.0	8.0	8.0	8.0	8.0	8.0	50	20
1400×530R23	32	235	APR06900	8.0		8.0	9.0		9.0	9.0		9.0	50	20
1400×530R23	36	235	APR06910	8.0		8.0	9.0		9.0	10.0		10.0	50	20
1400×530R23	36	235	APR06911	5.5	7.5	10.5	8.0	8.5	10.5	9.5	10.5	10.5	50	20
1400×530R23	40	235	APR06912	6.0	6.5	7.0	8.5	9.0	9.0	8.5	9.0	9.0	50	20
1400×530R23	40	235	APR06930	5.5	5.5	5.5	8.0	8.0	8.0	8.0	8.0	8.0	50	20
1400×530R23	40	235	APR06950	5.5	5.5	5.5	8.0	8.0	8.0	8.0	8.0	8.0	50	20
1400×530R23	42	235	APR06931	5.0	5.0	6.0	7.5	7.5	8.5	7.5	7.5	8.5	50	20