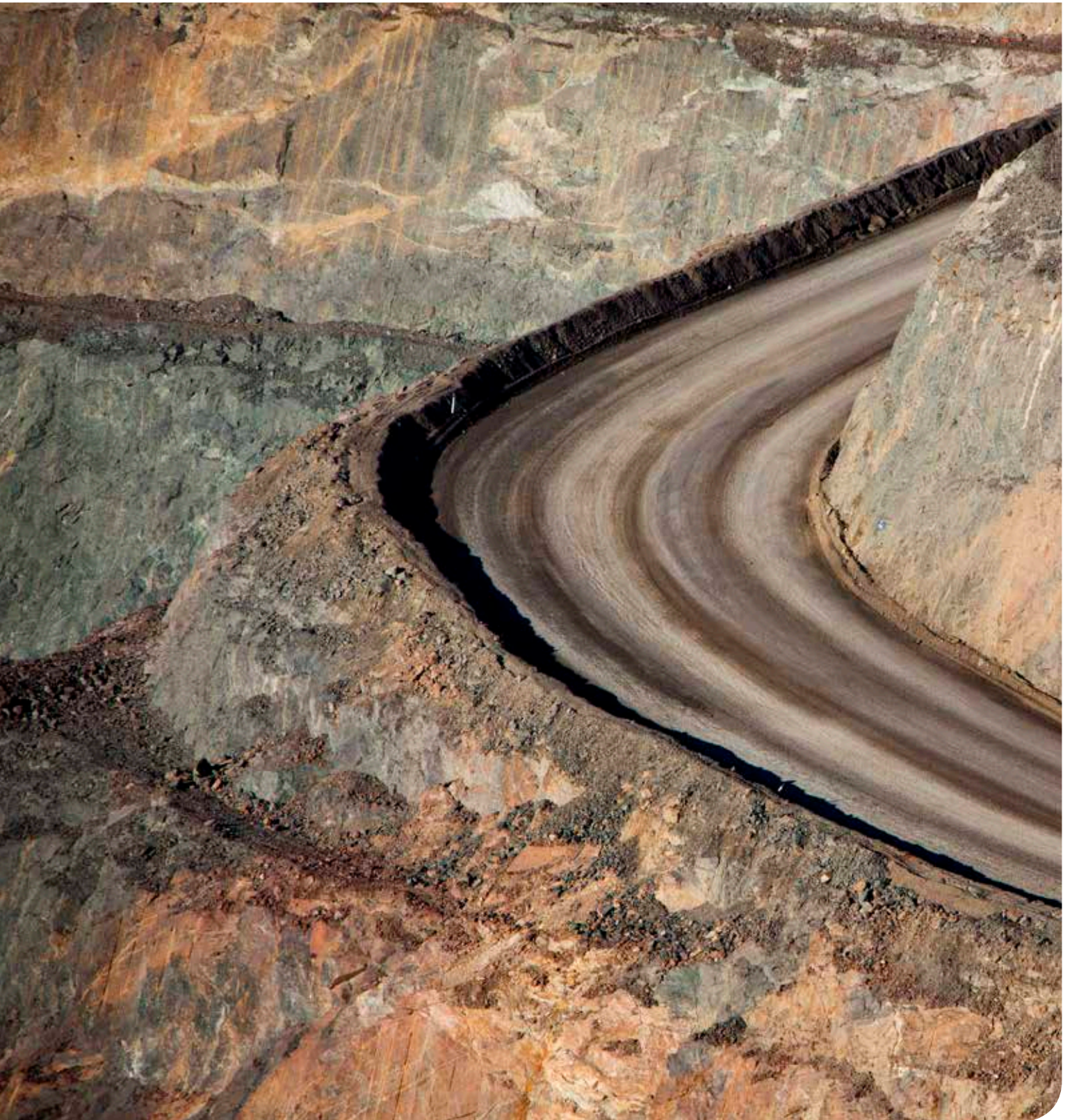


# **BRIDGESTONE**

The premium tyre range for Underground Mining












# Robust, reliable performance

## FROM THE GROUND UP

Whatever the surface, whatever the purpose, Bridgestone's premium line-up of Off-The-Road tyres for underground mining operations is built to last - and perform - in the toughest terrain. Offering superior traction, high stability and exceptional cut resistance, you can count on Bridgestone for tyres that really go the distance.

## RECOMMENDATION FOR EACH APPLICATION

	VCH	VCHS	VSNT	VSNL	VSDT	VSDL	VSMS
 Articulated Dump Trucks for Underground			✓	✓	✓	■	
 Load Haul Dumps				✓		✓	✓
 Drilling Jumbo	✓	✓				■	✓

✓ = *Applicable*

■ = *Possible to fit*

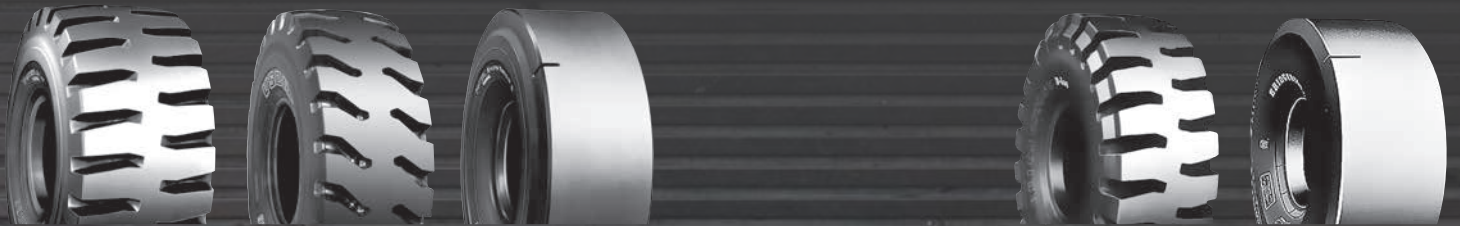
For your best tyre choice, consult your Bridgestone representative.






# Underground Mining - Tyre overview



Pattern	VCH	VCHS	VSNT	VSNL	VSDT
	V-steel Container Handler	V-steel Container Handler Stability & Safety	V-steel N-Traction <b>L4</b>	V-Steel N-Lug <b>L4</b>	V-steel Super Deep Traction <b>L5</b>
Description	<ul style="list-style-type: none"> <li>• Exceptional life and superior cut resistance.</li> <li>• Low negative ratio of this pattern provides a strong resistance to irregular wear.</li> </ul>	<ul style="list-style-type: none"> <li>• Safe and stable operations due to its newly developed all steel radial casing.</li> <li>• Unique pattern is designed for longer tread life by preventing irregular wear.</li> </ul>	<ul style="list-style-type: none"> <li>• Deep tread tyre suitable for tough and rocky operation.</li> <li>• Optimum traction without compromising the tread life and the riding comfort.</li> </ul>	<ul style="list-style-type: none"> <li>• Designed for underground mining, also suitable for wheel loaders working in open pits and quarries.</li> <li>• Rock pattern design offers outstanding traction, stability and comfort.</li> <li>• Sidewall protectors reduce cuts and other damages.</li> </ul>	<ul style="list-style-type: none"> <li>• Extra-deep tread for excellent traction, comfortable ride, superior cut resistance and long tread life.</li> <li>• High traction level even when it is 75% worn.</li> </ul>
Tread Depth	Standard	Deep	Deep	Deep	Extra-Deep
Surface			Traction	Rock	Traction
Recommended ground surface					
8.25 R15					
10.00 R15					
14.5 R15					
9.00 R20					
12.00 R20	***	***			
14.00 R20				**	
12.00 R24	**	**			
14.00 R24	***	***			
17.5 R25					
18.00 R25					
20.5 R25					
23.5 R25					**
26.5 R25			**		**
29.5 R25			**		**
29.5 R29			**		**
35/65 R33			*****	**	**

\* 4 star rating for Shuttle truck service, 2 star rating for Load Haul Dump service.



VSDL	VSDR	VSMS	Pattern	DL	STMS
V-steel D-Lug <b>L5</b>	V-steel Super Deep Rock <b>L5</b>	V-steel Smooth Tread-MS <b>L5S</b>		D-Lug <b>L5</b>	Smooth Tread-MS <b>L5S</b>
<ul style="list-style-type: none"> <li>• Extra deep tread designed for severe and rocky surfaces.</li> <li>• Good traction, stability and a comfortable ride.</li> <li>• Specially designed sidewall provides extended protection from cutting.</li> </ul>	<ul style="list-style-type: none"> <li>• Extra deep rigid pattern for the most extreme operations.</li> <li>• The high-volume, long-life tread and superior construction result in superior cut resistance and long tyre-life.</li> <li>• Specially designed sidewall provides extended protection from cutting.</li> </ul>	<ul style="list-style-type: none"> <li>• Smooth extra deep tread tyre designed for operations on severe rocky surfaces.</li> <li>• Its special compound ensures a maximum resistance to cutting &amp; wearing. Protection from cutting.</li> </ul>	<b>Description</b>	<ul style="list-style-type: none"> <li>• Extra deep tread designed for severe rocky surfaces. It offers good traction and stability, very high resistance to cutting.</li> </ul>	<ul style="list-style-type: none"> <li>• Smooth extra deep tread tyre designed for operations on severe rocky surfaces.</li> <li>• Its special compound ensures a maximum resistance to cutting &amp; wearing.</li> </ul>
Extra-Deep	Extra-Deep	Extra-Deep	Tread Depth	Extra-Deep	Extra-Deep
Rock	Rock	Smooth	Surface	Rock	Smooth
			Recommended ground surface		
**					
**					
**					
**		**			
**		**			
		**	12.00-24		20
		***	14.00-24		20
**		**	17.5-25	16	20
		**	18.00-25		32
**	**		20.5-25	16	
**			23.5-25	20	
**		**	26.5-25	26	
**			29.5-25	28	36
**		**	29.5-29		34
**			35/65-33	42	
			40/65-39	56	

# Underground Mining - Tyre Line-up

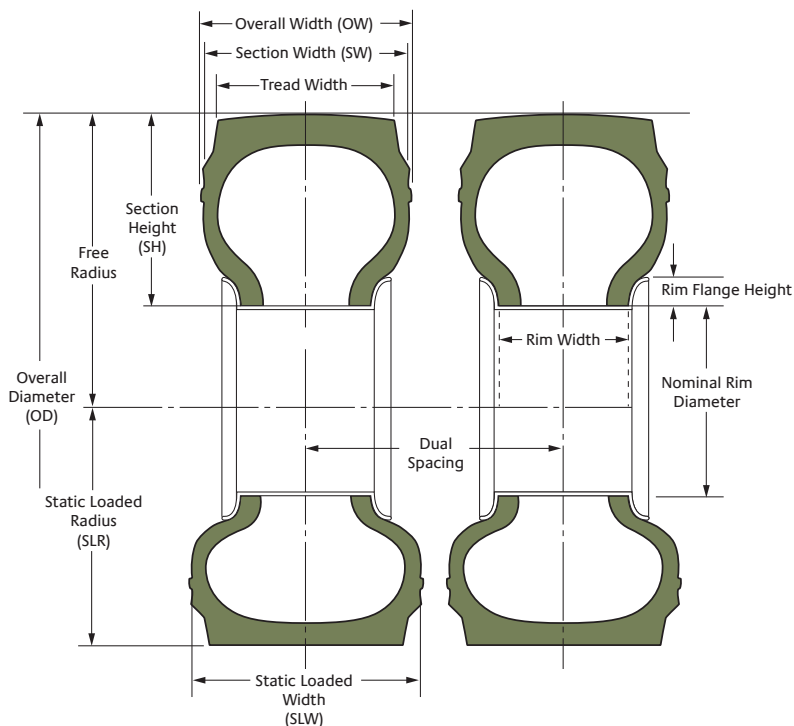
Tyre size	Pattern	Star rating	Type	TRA code	Approximate Inflated Dimensions								OTD	Recommended Rim / Flange Height (inch)
					OD		OW		SLR		SLW			
					mm	inch	mm	inch	mm	inch	mm	inch	mm	
<b>15"</b>														
8.25 R15	VSDL	★★	T/T	L5	880	34,6	248	9,8	405	15,9	285	11,2	48	6.50T
10.00 R15	VSDL	★★	T/T	L5	905	35,6	287	11,3	416	16,4	330	13	48	7.50V
14.5 R15	VSDL	★★	T/L	L5	899	35,4	359	14,1	413	16,3	412	16,2	48	11.00/1.5
<b>20"</b>														
9.00 R20	VSMS	★★	T/T	L5S	1054	41,5	260	10,2	474	18,7	303	11,9	51	7.00T
12.00 R20	VCH	★★★	T/T		1140	44,9	315	12,4	512	20,2	360	14,2	29,5	8.50V
	VCHS	★★★	T/T		1139	44,8	297	11,7	507	20	355	14	41,5	8.50V
	VSDL	★★	T/T	L5	1168	46	320	12,6	538	21,2	359	14,1	57	8.50V
	VSMS	★★	T/T	L5S	1173	43,2	312	12,3	540	21,3	351	13,8	57	8.50V
14.00 R20	VSNL	★★	T/T	L4	1196	47,1	360	14,2	550	21,7	414	16,3	34	10.00WI
<b>24"</b>														
12.00-24	STMS	20	T/T	L5S	1275	50,2	321	12,6	606	23,9	339	13,3	55	8.5, 8.50V
	STMS	20	T/T	L5S	1373	54,1	367	14,4	646	25,4	391	15,4	78	10.00W
12.00 R24	VCH	★★	T/T		1254	49,4	323	12,7	558	22	376	14,8	29,5	8.50V
	VCHS		T/T		1263	49,7	310	12,2	580	12,2	351	13,8	42	8.50V
	VSMS	★★	T/T	L5S	1275	50,2	312	12,3	573	22,6	364	14,3	57	8.50V
14.00 R24	VCH	★★★	T/T		1393	54,8	390	15,4	610	24	460	18,1	32	10.00W
	VCHS	★★★	T/T		1412	55,6	383	15,1	626	24,6	445	17,5	63	10.00W
	VSMS	★★★	T/T	L5S	1394	54,8	390	15,4	634	25	437	17,2	72	10.00W
<b>25"</b>														
17.5-25	DL	16	T/L	L5	1410	55,5	445	17,5	656	25,8	470	18,5	69,5	14.00/1.5
	STMS	20	T/L	L5S	1385	54,5	450	17,7	645	25,4	462	18,2	30,5	14.00/1.5
17.5 R25	VSDL	★★	T/L	L5	1400	55,1	440	17,3	639	25,2	495	19,5	68	14.00/1.5
	VSMS	★★	T/L	L5S	1374	54,1	440	17,3	623	24,5	487	19,2	68,5	14.00/1.5
18.00-25	STMS	32	T/L	L5S	1675	65,9	520	20,5	762	30	550	21,7	84	13.00/2.5
18.00 R25	VSMS	★★	T/L	L5S	1675	65,9	512	20,2	733	28,9	592	23,3	84,5	13.00/2.5
20.5-25	DL	16	T/L	L5	1558	61,3	548	21,6	714	28,1	570	22,4	79,5	17.00/1.7
20.5 R25	VSDL	★★	T/L	L5	1552	61,1	531	20,9	702	27,6	600	23,6	78	17.00/2.0
	VSDR	★★	T/L	L5	1552	61,1	531	20,9	702	27,6	600	23,6	78	17.00/2.0
23.5-25	DL	20	T/L	L5	1673	63,3	618	24,3	682	26,9	688	27,1	43	19.50/2.5
23.5 R25	VSDT	★★	T/L	L5	1660	65,4	621	24,4	745	29,3	680	26,8	79	19.50/2.5
	VSDL	★★	T/L	L5	1672	65,8	613	24,1	755	29,7	677	26,7	87	19.50/2.5
26.5-25	DL	26	T/L	L5	1798	70,8	694	27,3	820	32,3	726	28,6	97	22.00/3.0
	STMS	36	T/L	L5S	1798	70,8	680	26,8	827	32,6	719	28,3	95	22.00/3.0
26.5 R25	VSNT	MS/★★	T/L	L4	1779	70	685	27	799	31,5	740	29,1	57,5	22.00/3.0
	VSDT	★★	T/L	L5	1775	69,9	697	27,4	790	31,1	778	30,6	88	22.00/3.0
	VSDL	★★	T/L	L5	1790	70,5	684	26,9	797	31,4	761	30	95,5	22.00/3.0
	VSMS	★★	T/L	L5S	1775	69,9	684	26,9	800	31,5	760	29,9	95	22.00/3.0
29.5-25	DL	28	T/L	L5	1900	74,8	768	30,2	873	34,4	805	31,7	105,5	22.00/3.0



Tyre size	Pattern	Star rating	Type	TRA code	Approximate Inflated Dimensions								OTD	Recommended Rim/Flange Height (inch)
					OD		OW		SLR		SLW			
					mm	inch	mm	inch	mm	inch	mm	inch	mm	
29.5 R25	VSNT	MS/★★	T/L	L4	1905	75	768	30,2	849	33,4	835	32,9	60	25.00/3.5
	VSDT	★★	T/L	L5	1903	74,9	779	30,7	845	33,3	869	34,2	96	25.00/3.5
	VSDL	★★	T/L	L5	1925	75,8	766	30,2	855	33,7	846	33,3	104	25.00/3.5
<b>29"</b>														
29.5-29	STMS	34	T/L	L5S	2009	79,1	749	29,5	931	36,7	792	31,2	103	25.00/3.5
29.5 R29	VSNT	MS/★★	T/L	L4	2000	78,7	774	30,5	905	35,6	849	34,6	60	25.00/3.5
	VSDT	★★	T/L	L5	1989	78,3	779	30,7	883	34,8	872	34,3	96	25.00/3.5
	VSDL	★★	T/L	L5	2008	79,1	776	30,6	900	35,4	856	33,7	104,5	25.00/3.5
	VSMS	★★	T/L	L5S	2008	79,1	773	30,4	912	35,9	829	32,6	104,5	25.00/3.5
<b>33"</b>														
35/65-33	DL	42	T/L	L5	2075	81,7	896	35,3	979	38,5	945	37,2	97	28.00/3.5
35/65 R33	VSNT	MT*	T/L	L4	2075	81,7	904	35,6	936	36,9	976	38,4	62,5	28.00/3.5
	VSDT	★★	T/L	L5	2075	81,7	890	35	914	36	990	39	96	28.00/3.5
	VSDL	★★	T/L	L5	2075	81,7	880	34,6	917	36,1	951	37,4	95	28.00/3.5
<b>39"</b>														
40/65-39	DL	56	T/L	L5	2420	95,3	1020	40,2	1112	43,8	1070	42,1	106,5	32.00/4.0

\*MT: 4 star rating for Shuttle truck service, 2 star rating for Load Haul Dump service.

## GRAPHICAL ILLUSTRATION OF THE APPROXIMATE INFLATED DIMENSIONS





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