



VIPAMOLD 2023

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Nascida em 1973, em Nova Prata (RS), a Vipal Borrachas é uma das mais importantes fabricantes mundiais de produtos para reforma e reparos de pneus e câmaras de ar e possui uma completa linha de produtos para esse segmento, unindo qualidade, tecnologia e inovação. Pioneira no Brasil na fabricação de produtos para reparos de pneus a frio, todos os serviços oferecidos proporcionam o aumento da vida útil do pneu, que é um item importantíssimo no dia a dia do transporte.

Established in Nova Prata (RS) in 1973, Vipal Rubber is one of the most important global manufacturers of tire/tyre and inner tube repair and retread material and it has a complete range of products for this segment, combining quality, technology and innovation. As the pioneering manufacturing company in Brazil for chemical tire/tyre repair products, all services offered provide increased tire/tyre life, which is a key element in the daily routine of the transport activity.

Nacida en 1973, en Nova Prata (RS), Vipal Cauchos es uno de los más importantes fabricantes mundiales de productos para renovado y reparación de neumáticos y tiene una completa línea de productos para ese segmento, uniendo calidad, tecnología e innovación. Pionera en la fabricación de productos para la reparación de neumáticos en frío en Brasil, todos los servicios ofrecidos proporcionan el aumento de la vida útil de los neumáticos, lo que es una condición importantísima en el día a día del transporte.

Nata nel 1973 a Nova Prata (RS), Vipal Rubber è uno dei più importanti fabbricanti mondiali di prodotti per la ricostruzione e riparazione di pneumatici e camere d'aria. È l'unica nel mercato che può vantare la linea di prodotti più completa di questo segmento, unendo qualità, tecnologia e innovazione. Come azienda manifatturiera pioniera in Brasile nel settore dei prodotti chimici per la riparazione dei pneumatici, tutti i servizi di riparazione offerti garantiscono un aumento della vita utile del pneumatico, elemento chiave nella routine quotidiana di ogni attività di trasporto.

Née en 1973, à Nova Prata (RS), la société Vipal Rubber est l'un des plus importants fabricants mondiaux de produits pour le rechapage et la réparation des pneus et des chambres à air et la seule entreprise sur le marché qui compte une gamme complète de produits pour ce secteur, tout en joignant qualité, technologie et innovation. En tant que société pionnière au Brésil fabricant des produits chimiques pour la réparation des pneus, tous les services de réparation proposés font augmenter la durée de vie des pneus, ce qui représente un élément-clé dans la routine quotidienne de l'activité de transport.

Gegründet 1973 in Nova Prata (RS), hat sich Vipal Rubber ist das Unternehmen einer der wichtigsten weltweiten Hersteller von Produkten zur Runderneuerung von Reifen und Reparatur von Luftkammern mit der komplettesten Linie der Branche. Qualität, Technik und Innovation werden dabei verbunden. Als zukunftsweisendes Unternehmen in Brasilien für chemische Reifenreparaturen garantieren alle angebotenen Reparaturleistungen eine längere Nutzungsdauer des Reifens, ein Schlüsselement im täglichen Transportgeschäft.

LEGENDAS | DESCRIPTION | LEYENDA SOTTOTITOLO | LÉGENDE | BILDLEGENDE

APLICAÇÕES | APPLICATIONS | APLICACIONES | APPLICAZIONI | APPLICATIONS | EINSATZZWECK



Indicado | *Indicated* | Indicado | *Indicato* | Indiqué | *Geeignet*



Opcional | *Optional* | Opcional | *Opzionale* | En Option | *Fakultativ*

EIXOS | AXLE | EJE | ASSE | ESSIEU | ASCHSE



Eixo de Tração | *Drive Axle* | Eje de Tracción
Asse Trattivo | *Essieu de Moteur* | *Antriebsachse*



Eixo Livre | *Trailer Axle* | Eje Libre
Asse Trainato o Asse Lineare | *Essieu Porteur* | *Nachlaufachse*

PNEUS | TYRES | NEUMATICOS | PNEUMATICI | PNEUS | REIFEN



Radial | *Radial* | Radiales | *Radiali* | Radiale | *Radial*



Diagonal | *Bias* | Diagonal | *Diagonale* | Diagonal | *Diagonal*



Super Single

CARACTERÍSTICAS | CHARACTERISTICS | CARACTERÍSTICAS
CARATTERISTICHE | CARACTÉRISTIQUES | FEATURES



Novo | *New* | Nuevo | *Nuovo* | Nouveau | *Neu*



Sentido de Rodagem | *Tread Direction* | *Sentido de Rotación*
Senso di Rotazione | *Direction de Roulement* | *Drehrichtung*



Alpine
Symbol

Piso aprovado para uso em condições severas de neve, de acordo com resultados obtidos segundo a norma europeia ECE R109 a partir de testes realizados em laboratório acreditado | *Tread approved for use in severe snow conditions, according to results obtained under EU regulation ECE R109 based on tests conducted at an accredited laboratory* | Banda aprobada para su uso en condiciones severas de nieve, según los resultados obtenidos conforme a la norma europea ECE R109 a partir de pruebas realizadas en un laboratorio acreditado | *Battistrada approvato per l'uso in condizioni di neve severe, in base ai risultati ottenuti in conformità con la norma europea ECE R109 mediante prove realizzate in un laboratorio acreditato* | Bande homologuée pour son utilisation en cas de neige extrême, selon les résultats obtenus conformément à la norme européenne ECE R109 à partir des essais réalisés en laboratoire agréé | *Aufgrund der erzielten Ergebnisse entsprechend der europäischen Norm ECE R109 bei Tests, die von einer zugelassenen Stelle durchgeführt wurden, wurde der Laufstreifen bei tief winterlichen Fahrbedingungen zugelassen*

LEGENDAS | DESCRIPTION | LEYENDA SOTTOTITOLO | LÉGENDE | BILDLEGENDE

CARACTERÍSTICAS | CHARACTERISTICS | CARACTERÍSTICAS
CARATTERISTICHE | CARACTÉRISTIQUES | FEATURES



Especial | *Special* | Especial
Speciale | Spécial | *Spezial*



Lama e Neve | *Mud and Snow* | Barro y Nieve
Fango e Neve | Boue et la Neige | *Winter und Matschreifen*



Desenho Vipal | *Vipal Design* | Diseño Vipal
Disegno Vipal | Développé Vipal | *Vipal-ProfilDesign*



Eye Control



Piso também disponível na versão ECO. Produzidos com composto de borracha de alta tecnologia, permite até 10% de economia de combustível. | *Tread also available in the ECO version. Produced with high-tech rubber compound, it allows up to 10% reduction in fuel consumption.* | Banda también disponible en la versión ECO. Producidas con compuesto de caucho de alta tecnología, permite hasta 10% de reducción en el consumo de combustible. | *Banda disponibile anche in versione ECO. Prodotti con un composto di gomma ad alta tecnologia, che permette fino al 10% di riduzione del consumo di carburante.* | Bande également disponible en version ECO. Fabriquées avec un composé de caoutchouc de haute technologie, il permet à 10% de réduction de la consommation de carburant. | *Band auch in der Version ECO. Produziert mit Verbund aus High-Tech Kautschuk, ermöglicht es bis zu 10% weniger Kraftstoffverbrauch.*

TABELA TÉCNICA | TECHNICAL TABLE | TABLA TÉCNICA
TAVOLO TECNICO | TABLEAU TECHNIQUE | TECHNISCHE TABELLE



Largura do Piso | *Tread Width* | Ancho de la Banda | *Larghezza Battistrada*
Largeur de Bande de Roulement | *Laufstreifen-Breite*



Largura com Aba | *Width with Wing* | Ancho con Ala | *Larghezza con Aletta*
Largeur avec Bord | *Breite Mit Rand*



Profundidade do Perfil | *Tread Depth* | Profundidad del Perfil
Spessore Battistrada | Profondeur du Profil | *Profiltiefe*



Peso | *Weight* | Peso | *Peso* | Poids | *Gewicht*



Comprimento de Rolo | *Roll Length* | Longitud del Rollo | *Lunghezza del Rotolo*
Longueur du rouleau | *Rollenlänge*

LEGENDAS | DESCRIPTION | LEYENDA SOTTOTITOLO | LÉGENDE | BILDLEGENDE

VEÍCULOS | VEHICLES | VEHÍCULOS | VEICOLI | VEHICULES | FAHRZEUGE



Caminhão trucado | *Medium Duty Truck (Tandem Axle)*
Camión Rígido con chasis y Volquete
Dumper a telaio rigido e Camion Ribaltabile
Camion rigide avec châssis et Camion de renversement
Starrer LKW-Box mit Chassis und Kipplaster



Comercial leve | *Commercial* | Camión Furgón | *Furgone* | Camion Fourgon | *Kasten-LKW*



Cavalo mecânico | *Single Axle Tractor Truck* | *Tractora/Cabeza Tractora* | *Trattore* | Tracteur
Traktor



Caminhão toco | *Medium Duty Truck* | Camión con remolque/ Camión aislado
Camion con rimorchio/ Camion isolato | Camion avec remorque/Camion isolé
LKW mit Anhänger/ Isolierter LKW



Cavalo mecânico traçado | *Tandem Axle Tractor Truck* | Tren de Carretera | *Autotreno/*
Camion a Trazione Integrale | Camion avec châssis et remorque/ Camion Traction Intégrale
LKW mit Chassis und Kupplung/ Sattelschlepper mit integriertem Antrieb



Reboque e semirreboque | *Trailer and Semi-Trailer* | Remolque y Semirremolque
Rimorchio e Semirimorchio | Remorque et Semi-remorque | *Anhänger und Sattelanhänger*



Ônibus Rodoviário | *Highway Bus* | Autobús Carretera
Autobus per il trasporto stradale | Autobus Autoroutier | *Reisebus*



Ônibus Urbano | *Urban Bus* | Autobús Urbano
Autobus per il trasporto urbano | Autobus urbain | *Bus für Stadtverkehr*



Micro-ônibus | *Minibus* | Minibús | *Minibus* | Microbus | *Mikrobus*



Utilitário, Van | *Utility Vehicles, Van* | Furgoneta
Utilitarie, Caravan | Véhicules Utilitaires, Camionnette | *Nutzfahrzeug, Kleinaster*



Pick-up, Camionete | *Pick-up* | Furgoneta
Pick-up, Camioncini | Pick-up, Camionnette | *Pick-Up, Lieferwagen*



Camionetas e caminhonetes | *Small trucks* | Pick-up
Furgone | Camionette | *Klein LKW, Nutzfahrzeug*



4x4 Off road | *4x4 Off road* | *4x4 Off road*
4x4 Off road | *4x4 Off road* | *PGeländewagen- Off Road*



Passeio | *Passenger Car* | Automóvil/Coche | *Automobili* | Voiture de passagers | *PKW*



Trator agrícola | *Farm Tractor* | Tractor Agrícola
Trattore agricolo | Tracteur agricole | *Landwirtschaftlicher Traktor*



Industrial empilhadeira | *Industrial Forklift* | Autoelevador
Elevatore industriale | Auto-élévateur | *Gabelstapler*



Industrial | *Industrial* | Industrial | *Industriale* | Industriel | *Industriell*













Caminhão Pipa | *Tanker Trucks* | Camion Cisterna
Camion Cisterna | Camion Citerne | *Tankwägen*



Espalhador Agrícola | *Agricultural Spreaders* | Sembradora Agrícola
Seminatrici Agricole | Épandeurs Agricoles | *Landwirtschaftlichen Sämaschinen*

LEGENDAS | DESCRIPTION | LEYENDA SOTTOTITOLO | LÉGENDE | BILDLEGENDE

TABELA DE PISOS POR APLICAÇÃO | TABLE OF PRECURED TREADS BY APPLICATION
TABLAS DE BANDAS POR APLICACIÓN | TABELLA DEI BATTISTRADA PER APPLICAZIONE
TABLEAUX DE BANDES PAR APPLICATION | LAUFSTREIFEN TABELLEN NACH ANWENDUNG

			
 <p>Rodoviário <i>Highway</i> Carretera <i>Autostrada</i> Autoroute <i>Autobahn</i></p>	DV-RT4 VRT2 DV-RT5 VRT3 V167 VT110 VDE2 VT190 VDE2A VT240 VM729		DV-RL VL150A DV-RL2 VL160A VEL VL170A VELB VRL1 VL110LA VZAB VL140A
 <p>Neve <i>Snow</i> <i>Nieve</i> Neve <i>Neige</i> <i>Schnee</i></p>	VDA4 VT160 VMS4 VT220 VT115 VT250		VL105A
 <p>Regional <i>Regional</i> Regional <i>Regionale</i> Régional <i>Regional</i></p>		DV-RM VP420 VFS VT51 VM310 VZA80 VP410 VZE2	
 <p>Urbano <i>Urban</i> Urbano <i>Uso urbano</i> Urbain <i>Stadtverkehr</i></p>		DV-UM3 VZE1 DV-UM3B VZU VU VZU3 VU100	
 <p>Misto <i>On/off road</i> Todoterreno <i>Misto</i> Mixte <i>Gemischt</i></p>	DV-MT VT520 DV-MTB VT540 DV-MTE VT550A VDY VT830 VT500 VT830E VT510 VZT	VM510A VZY VM540 VYZ2 VT560	
 <p>Fora de estrada <i>Off road</i> Fuera de carretera <i>Fuoristrada</i> Hors la Route <i>Gelände</i></p>	VFE VT820 VJ900 VT840 VJ910 VT850 VLL VZH		
 <p>Industrial <i>Industrial</i> Industrial <i>Uso industriale</i> Industriel <i>Industrieinsatz</i></p>		VI600 VI600 NM VSK	

VRT3



mm	mm	mm	kg/m	m
220	-	22,0	5,12	11,57
230	-	22,0	5,38	11,57
240	-	22,0	5,57	11,59
250	-	22,0	5,81	11,57
260	-	22,0	6,04	10,74
270	-	22,0	6,26	11,54



DV-RT5



mm	mm	mm	kg/m	m
234	-	20,0	5,27	11,55
242	-	20,0	5,52	11,54
250	-	20,0	5,67	11,53
258	-	20,0	5,85	11,55
266	-	20,0	5,99	11,55



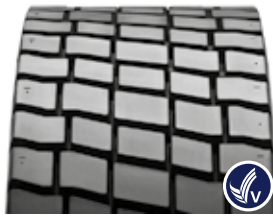


VRT2

m+S fS ECO



mm	mm	mm	kg/m	m
218	-	18,0	4,30	11,60
226	-	18,0	4,45	11,60
234	-	18,0	4,61	11,60
242	-	18,0	4,78	11,58
250	-	18,0	4,97	11,63
258	-	18,0	5,13	11,58
266	-	18,0	5,19	11,63

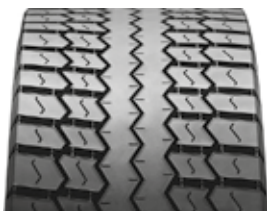


DV-RT4

m+S



mm	mm	mm	kg/m	m
226	-	20,0	4,83	11,60
234	-	20,0	5,02	11,57
242	-	20,0	5,34	11,57
250	-	20,0	5,58	11,57
258	-	20,0	5,71	11,57
266	-	20,0	5,93	11,56



V167

m+S



mm	mm	mm	kg/m	m
197	-	18,0	4,05	11,54
205	-	18,0	4,18	11,62
215	-	18,0	4,36	11,55
225	-	18,0	4,63	11,54
235	-	18,0	4,81	11,62
250	-	19,0	5,46	11,52



VM729

m+S

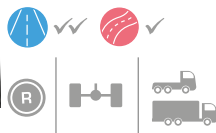


mm	mm	mm	kg/m	m
245	-	19,0	5,07	11,58
255	-	19,0	5,21	11,58
265	-	19,0	5,64	11,54
275	-	18,0	5,26	11,62
285	-	18,0	5,56	11,53



VDE2

m+S

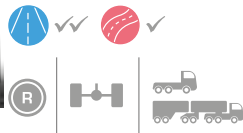


mm	mm	mm	kg/m	m
200	-	18,0	4,12	11,53
210	-	18,0	4,30	11,59
220	-	18,0	4,53	11,57
230	-	19,0	4,91	11,56
240	-	19,0	5,14	11,56
250	-	19,0	5,38	11,50
260	-	19,0	5,60	11,63
270	-	19,0	5,74	11,58



VDE2A

m+S

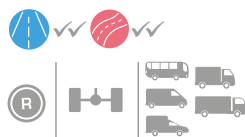


mm	mm	mm	kg/m	m
230	-	22,0	5,44	11,58
240	-	22,0	5,69	11,55
250	-	22,0	5,93	11,57
260	-	22,0	6,17	11,56



VT190

m+S

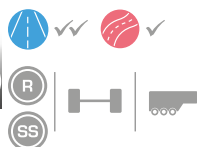


mm	mm	mm	kg/m	m
160	-	13,0	2,27	11,60
170	-	13,0	2,44	11,62
180	-	13,0	2,59	11,62
190	-	13,0	2,73	11,62
200	-	13,0	2,86	11,62
210	-	14,5	3,20	11,58
220	-	14,5	3,35	11,58
230	-	14,5	3,51	11,56

NEW!
NEW!
NEW!



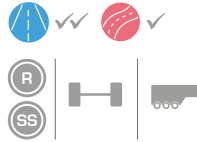
VL110LA



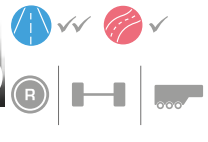
mm	mm	mm	kg/m	m
226	258	12,0	2,92	11,59
234	266	12,0	3,03	11,59
242	274	12,0	3,18	11,60
250	282	12,0	3,26	11,59
258	290	12,0	3,37	11,67
300	336	12,0	4,01	11,54













DV-RL



DV-RL2

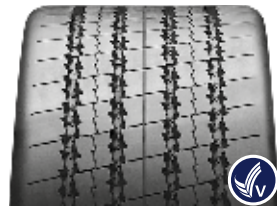
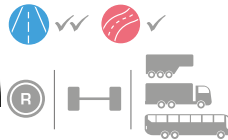


				
mm	mm	mm	kg/m	m
215	-	15,0	3,63	11,55
225	-	15,0	3,80	11,57
235	-	15,0	3,97	11,60
245	-	15,0	4,12	11,60
255	-	15,0	4,40	11,56
265	297	12,0	3,69	11,58
295	327	12,0	4,02	11,58

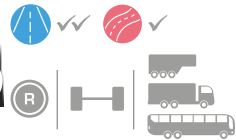
				
mm	mm	mm	kg/m	m
205	237	15,0	3,46	11,63
215	247	15,0	3,74	11,55
225	257	15,0	3,91	11,55
235	267	15,0	4,09	11,53
245	277	15,0	4,25	11,56
255	287	15,0	4,43	11,61










VEL

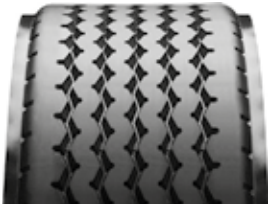


VELB



				
mm	mm	mm	kg/m	m
200	-	14,0	3,24	11,56
210	-	14,0	3,48	11,55
220	-	14,0	3,68	11,56
230	-	14,0	3,81	11,57
240	-	14,0	3,98	11,58
250	-	14,0	4,09	11,54
260	-	14,0	4,22	11,55
270	-	14,0	4,40	11,55

				
mm	mm	mm	kg/m	m
190	-	11,0	2,57	11,53
200	-	11,0	2,70	11,57
210	-	11,0	2,85	11,55
220	-	11,0	2,91	11,62
230	-	11,0	3,10	11,55
240	-	11,0	3,12	11,61
250	-	11,0	3,42	11,59
260	-	11,0	3,46	11,58
270	-	11,0	3,62	11,58



VZAB

m+s fSECO



mm	mm	mm	kg/m	m
295	335	13,0	4,41	11,57



VL140A

m+s

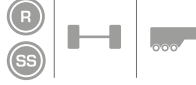


mm	mm	mm	kg/m	m
300	336	14,0	5,03	11,55



VL150A

m+s



mm	mm	mm	kg/m	m
290	326	14,0	4,78	11,59
NEW! 305	341	14,0	5,10	3,29



VRL1




m+s



mm	mm	mm	kg/m	m
330	362	12,5	4,58	11,57
360	392	12,5	5,01	11,57
390	422	12,5	5,36	11,57

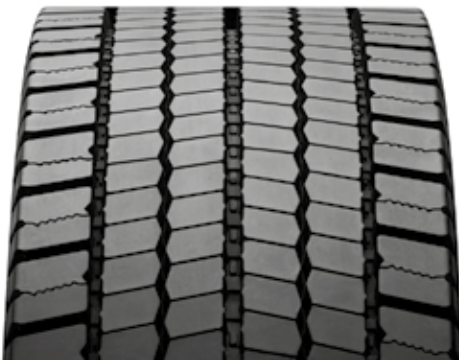
VT240








 mm	 mm	 mm	 kg/m	 m
250	-	20,0	5,13	11,50
260	-	20,0	5,30	11,55
275	-	20,0	5,55	11,58
285	-	18,0	5,36	11,56



VT110







 mm	 mm	 mm	 kg/m	 m
250	-	17,5	4,68	11,57
260	-	17,5	4,86	11,54
270	-	17,5	5,03	11,53
280	-	17,5	5,23	11,54



VL160A








 mm	 mm	 mm	 kg/m	 m
305	341	15,0	5,30	11,56
330	366	15,0	5,79	11,56
360	396	12,0	5,37	11,57



VL170A



 mm	 mm	 mm	 kg/m	 m
295 (M)	331	14,0	5,18	3,29
NEW! 305 (M)	341	14,0	4,99	3,28
NEW! 325 (M)	361	13,0	5,17	3,28



ALPINE SYMBOL



NEVE? A VIPAL PASSA POR CIMA COM O ALPINE SYMBOL.
SNOW? VIPAL CONTINUES ONWARD WITH THE ALPINE SYMBOL.
NIEVE? VIPAL SIGUE ADELANTE CON EL ALPINE SYMBOL.
NEVE? VIPAL NON SI FERMA MAI CON ALPINE SYMBOL.
NEIGE? VIPAL VA DE LAVANT AVEC ALPINE SYMBOL.
SCHNEE? VIPAL IST NICHT ZU STOPPEN MIT ALPINE SYMBOL.

VDA4



VT220



VDE2



VM729



VRT3



VT110



DV-UM3



VT240



VT540



VZU3



VL170A



VL105A



VM310



VT115



VT250








VT510



VT220








				
mm	mm	mm	kg/m	m
210	-	22,0	4,83	11,52
220	-	22,0	5,07	11,52
230	-	22,0	5,26	11,52
240	-	22,0	5,57	11,55
250	-	20,0	5,11	11,47
260	-	20,0	5,34	11,47
270	-	19,0	5,34	11,44
280	-	19,0	5,52	11,60



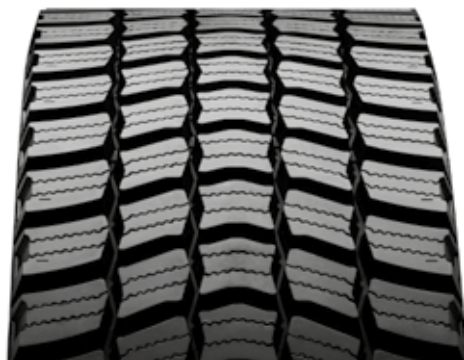
VL105A








				
mm	mm	mm	kg/m	m
300	340	14,0	4,90	3,27
325	365	14,0	5,29	3,03



VT250




				
mm	mm	mm	kg/m	m
210	-	21,5	4,49	10,54
220	-	21,5	4,68	10,54
230	-	21,5	4,92	10,54
240	-	21,5	5,10	10,57
260	-	21,5	5,47	10,54



VT115

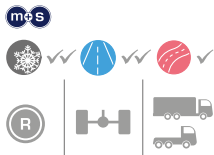







				
mm	mm	mm	kg/m	m
250	-	20,0	5,49	3,26
260	-	20,0	5,62	3,26
270	-	20,0	5,96	3,26





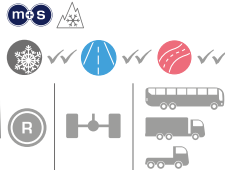
VT160








				
mm	mm	mm	kg/m	m
240	-	20,0	4,93	11,62
250	-	20,0	5,15	11,59
260	-	20,0	5,36	11,63
270	-	20,0	5,56	11,63



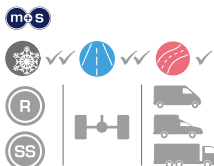
VDA4








				
mm	mm	mm	kg/m	m
230	-	17,0	4,39	11,62
240	-	17,0	4,58	11,62
250	-	17,0	4,84	10,44
260	-	17,0	5,01	10,32



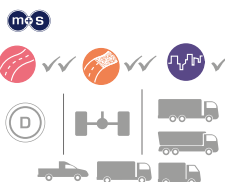
VMS4








				
mm	mm	mm	kg/m	m
150	-	13,0	2,10	10,63
160	-	13,0	2,26	10,68
180	-	14,0	2,67	10,72
230	-	18,0	4,28	10,61
240	-	18,0	4,49	10,65
250	-	18,0	4,67	10,69
260	-	18,0	4,89	10,64
285	-	17,5	5,30	10,72



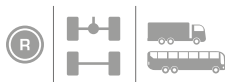
VT51



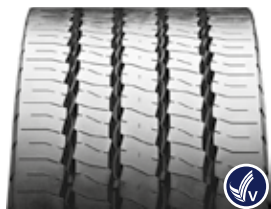
				
mm	mm	mm	kg/m	m
130	-	12,0	1,62	11,62
140	-	12,0	1,76	11,54
152	-	12,0	2,09	11,62
158	-	12,0	2,11	11,56
168	-	12,5	2,25	11,59
184	-	12,5	2,44	11,61
194	-	12,5	2,59	11,61
205	-	12,5	2,89	11,58



VZE2



mm	mm	mm	kg/m	m
230	-	16,0	4,40	11,61
240	-	16,0	4,54	11,57
250	-	16,0	4,74	11,57
260	-	16,0	4,92	11,57

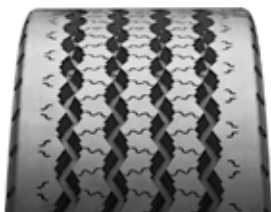


DV-RM

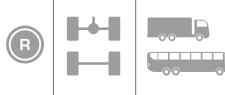
ECO



mm	mm	mm	kg/m	m
180	-	12,0	2,52	11,58
190	-	13,0	2,90	11,56
198	-	13,0	3,02	11,53
210	-	15,0	3,66	11,56
218	-	15,0	3,80	11,56
226	-	15,0	3,96	11,56
234	-	15,0	4,08	11,56
242	-	15,0	4,26	11,59
250	-	15,0	4,38	11,58
258	-	15,0	4,53	11,55
266	-	15,0	4,69	11,56



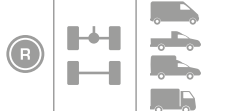
VZA80



mm	mm	mm	kg/m	m
195	-	15,0	3,26	11,54
205	-	15,0	3,42	11,54
215	-	15,5	3,64	11,58
223	-	15,5	3,84	11,54
230	-	15,0	3,85	11,61
245	-	15,5	4,28	11,53
258	-	15,5	4,29	11,54



VFS



mm	mm	mm	kg/m	m
180	-	10,5	2,04	11,57
190	-	10,5	2,20	11,55
210	-	10,5	2,44	11,57



VP410

M+S



(R)



mm	mm	mm	kg/m	m
180	-	11,0	1,92	11,59
190	-	11,0	2,00	11,58
210	-	11,0	2,25	11,55
220	-	11,0	2,34	11,54
230	-	11,0	2,44	11,54



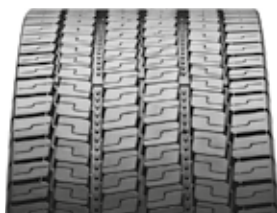
VP420



(R)



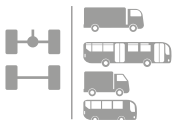
mm	mm	mm	kg/m	m
210	-	11,0	2,43	11,58



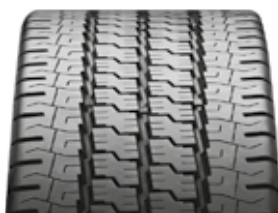
VZE1



(R)



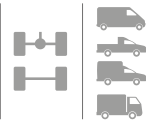
mm	mm	mm	kg/m	m
160	-	12,0	2,16	11,55
180	-	12,0	2,46	11,54
190	-	12,0	2,69	11,57



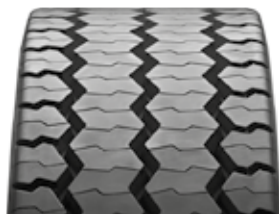
VU



(R)



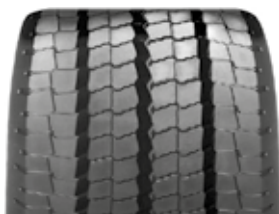
mm	mm	mm	kg/m	m
165	-	9,5	2,00	11,53
175	-	9,5	2,12	11,62
185	-	9,5	2,24	11,59
195	-	9,5	2,36	11,64



VZU



mm	mm	mm	kg/m	m
190	-	18,0	3,95	11,52
200	-	18,0	4,14	11,55
210	-	18,0	4,52	11,60
220	-	18,0	4,76	11,51
230	-	18,0	4,80	11,59
240	-	18,0	5,02	11,54
250	-	18,0	5,26	11,58



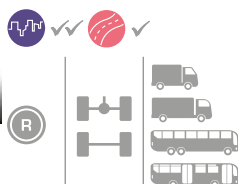
VZU3



mm	mm	mm	kg/m	m
230	-	20,0	5,04	11,63
240	-	20,0	5,24	11,55



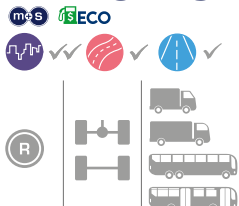
VU100



mm	mm	mm	kg/m	m
202	-	18,0	4,10	11,55
210	-	18,0	4,23	11,57
218	-	18,0	4,46	11,57
226	-	18,0	4,65	11,57
234	-	18,0	4,79	11,58
242	-	18,0	4,76	11,57
250	-	18,0	4,91	11,62








DV-UM3B



mm	mm	mm	kg/m	m
190	-	12,5	2,91	11,57
198	-	12,5	3,03	11,55
210	-	15,0	3,87	11,56
218	-	15,0	4,01	11,57
226	-	15,0	4,16	11,54
234	-	15,0	4,31	11,57
242	-	15,0	4,45	11,57
250	-	15,0	4,60	11,57
258	-	15,0	4,71	11,57
266	-	15,0	4,87	11,55

VM310








 mm	 mm	 mm	 kg/m	 m
230 (S)	-	18,0	4,67	2,92
240 (M)	-	18,0	4,91	3,21
240 (S)	-	18,0	4,89	2,91
250 (M)	-	18,0	5,14	3,20
250 (S)	-	18,0	5,12	2,93
260 (L)	-	18,0	5,39	3,29



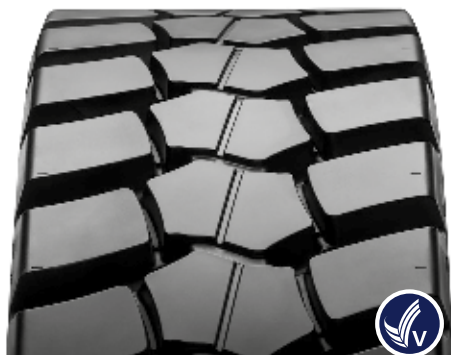
DV-UM3








 mm	 mm	 mm	 kg/m	 m
180	-	18,0	3,73	11,59
190	-	18,0	3,94	11,59
205	-	18,0	4,43	11,63
210	-	18,0	4,54	11,61
218	-	18,0	4,77	11,57
226	-	18,0	4,78	11,52
234	-	18,0	4,98	11,55
242	-	18,0	5,13	11,59
250	-	18,0	5,29	11,55
258	-	18,0	5,52	11,61
266	-	18,0	5,63	11,55



DV-MT








 mm	 mm	 mm	 kg/m	 m
218	-	20,5	4,77	11,56
226	-	20,5	5,00	11,58
234	-	20,5	5,19	11,55
242	-	20,5	5,34	11,56
250	-	20,5	5,51	11,57
258	-	20,5	5,72	11,56

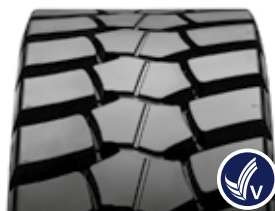


VT540



 mm	 mm	 mm	 kg/m	 m
240	-	22,0	5,61	11,56
250	-	22,0	5,88	11,58
260	-	22,0	6,06	11,57
270	-	22,0	6,31	11,56





DV-MTB

M+S



mm	mm	mm	kg/m	m
194	-	16,5	3,69	11,58
202	-	16,5	3,83	11,57
210	-	16,5	3,97	11,58
218	-	16,5	4,17	11,57
226	-	16,5	4,30	11,58
234	-	16,5	4,44	11,57
242	-	16,5	4,57	11,57
250	-	16,5	4,70	11,58
258	-	16,5	4,83	11,58



DV-MTE

M+S



mm	mm	mm	kg/m	m
226	-	23,5	5,70	11,54
234	-	23,5	5,85	11,53
242	-	23,5	6,04	11,54
250	-	25,5	6,64	11,58
258	-	25,5	6,86	11,59
266	-	25,5	7,08	11,58



VDY

M+S



mm	mm	mm	kg/m	m
220	-	17,5	4,10	11,56
230	-	17,0	4,32	11,56
240	-	17,0	4,55	11,57
250	-	17,0	4,71	11,56

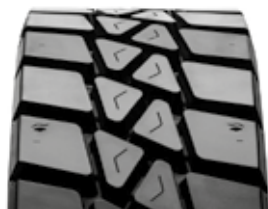


VT510

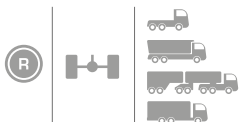
M+S



mm	mm	mm	kg/m	m
210	-	21,0	4,65	11,58
220	-	21,0	4,91	11,58
230	-	21,0	5,25	11,62
240	-	21,0	5,49	11,59
250	-	21,0	5,73	11,60
260	-	21,0	5,95	11,61



VT560



mm	mm	mm	kg/m	m
210	-	25,5	5,61	11,56
220	-	25,5	5,69	11,60
230	-	25,5	5,99	11,58
240	-	25,5	6,31	11,58
250	-	25,5	6,44	11,62
270	-	25,5	6,97	11,62



VT520



mm	mm	mm	kg/m	m
240	-	19,0	5,17	11,57
250	-	19,0	5,31	11,60
260	-	19,0	5,53	11,60



VZT



mm	mm	mm	kg/m	m
220	-	18,5	4,31	11,52
235	-	18,0	4,42	11,56
245	-	18,0	4,58	11,54



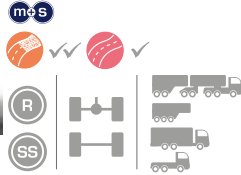
VT500



mm	mm	mm	kg/m	m
205	-	21,0	4,54	11,57
215	-	21,0	4,69	11,59
225	-	21,0	4,89	11,57
235	-	21,0	5,10	11,57
242	-	21,0	5,30	11,60
250	-	21,0	5,45	11,57
258	-	21,0	5,62	11,60



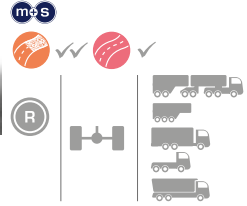
VM510A



mm	mm	mm	kg/m	m
295	327	15,0	4,97	11,55
345	405	18,0	7,30	11,49
365	425	18,0	7,76	11,53



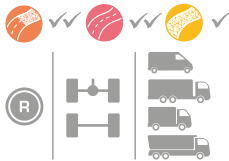
VT550A



mm	mm	mm	kg/m	m
340	380	19,5	6,98	11,62



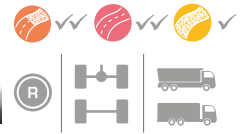
VZY/VZYE*



mm	mm	mm	kg/m	m
152	-	11,0	1,98	11,57
160	-	12,0	2,33	11,60
170	-	12,0	2,49	11,56
180	-	12,0	2,64	11,57
190	-	14,5	3,19	11,54
200	-	14,5	3,46	11,54
210	-	15,0	3,61	11,60
219	-	15,0	3,82	11,57
225	-	15,0	3,96	11,58
235	-	15,0	4,01	11,62
240*	-	16,0	4,13	11,55
250	-	15,0	4,42	11,56
260	-	16,5	4,94	11,57



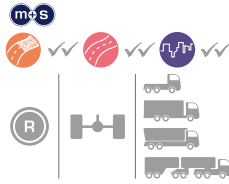
VZY2



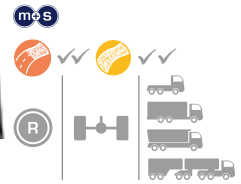
mm	mm	mm	kg/m	m
205	-	18,0	4,16	11,58
215	-	18,0	4,32	11,57
225	-	18,0	4,52	11,57
235	-	18,0	4,72	11,62
240	-	18,0	4,80	11,60
250	-	18,0	5,10	11,57
260	-	18,0	5,20	11,59
270	-	18,0	5,54	11,56



VT830

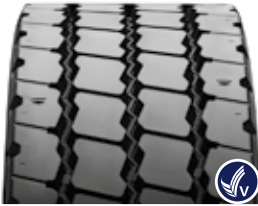


VT830E

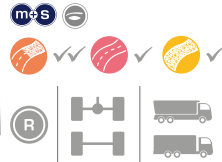


mm	mm	mm	kg/m	m
202	-	20,5	4,24	11,58
218	-	20,5	4,66	11,57
226	-	20,5	4,84	11,58
234	-	20,5	5,06	11,56
242	-	20,5	5,29	11,58
250	-	20,5	5,40	11,58
258	-	20,5	5,60	11,58

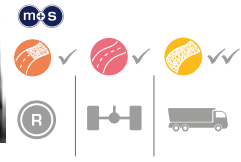
mm	mm	mm	kg/m	m
242	-	23,5	5,70	11,57
250	-	25,5	6,39	11,56
258	-	25,5	6,65	11,57



VM540



VFE

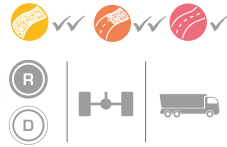


mm	mm	mm	kg/m	m
220	-	21,5	5,19	11,55
230	-	21,5	5,39	11,55
240	-	21,5	5,75	11,55
250	-	21,5	5,94	11,55
260	-	21,5	6,15	11,57
270	-	21,5	6,32	11,56

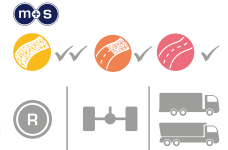
mm	mm	mm	kg/m	m
220	-	23,0	5,21	11,54
230	-	23,0	5,44	11,55
240	-	23,0	5,59	11,57



VLL



VT820



mm	mm	mm	kg/m	m
194	-	17,0	3,70	11,59
203	-	17,0	3,88	11,57
211	-	17,0	4,03	11,53
219	-	17,0	4,22	11,56
235	-	17,0	4,08	11,58
241	-	17,0	4,55	11,54

mm	mm	mm	kg/m	m
240 (M)	-	30,0	7,54	3,25



VT840



VT850 NEW!



mm	mm	mm	kg/m	m
245	-	22,0	4,73	11,58

mm	mm	mm	kg/m	m
300	-	30,0	8,02	4,23
320	-	30,0	8,63	4,27
340	-	30,0	9,17	4,22
395	-	30,0	10,91	4,21



VJ900

ms



mm	mm	mm	kg/m	m
190	310	21,0	3,58	10,57
200	320	21,0	3,72	10,57
210	330	21,0	3,85	10,77
220	340	21,0	4,01	10,56



VJ910

ms



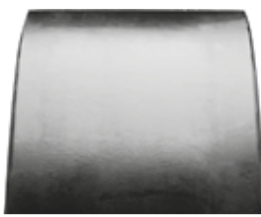
mm	mm	mm	kg/m	m
230	340	24,0	4,82	10,77
240	350	24,0	4,97	10,80
250	340	24,0	5,12	10,78



VZH



mm	mm	mm	kg/m	m
210	-	23,0	5,14	11,56
220	-	23,0	5,37	11,51
230	-	23,0	5,60	11,53
240	-	23,0	5,75	11,60
250	-	23,0	6,04	11,56
260	-	23,0	6,44	11,55



VSK








mm	mm	mm	kg/m	m
205	-	*	4,15	11,52
285	-	*	5,89	10,66

*Total Thickness = 18 mm / 23/32 in

VI600








 mm	 mm	 mm	 kg/m	 m
122	-	16,0	2,18	10,74
138	-	16,0	2,47	10,74
154	-	16,0	2,76	10,74
162	-	18,0	3,16	10,74
178	-	18,0	3,49	10,74
186	-	18,0	3,74	10,61
194	-	18,0	3,80	10,76



VI600 NM



 mm	 mm	 mm	 kg/m	 m
122	-	16,0	2,33	10,75
138	-	16,0	2,63	10,70
154	-	16,0	2,93	10,70
162	-	18,0	3,38	10,74
178	-	18,0	3,70	10,72
186	-	18,0	3,89	10,66
194	-	18,0	4,08	10,74





C-PolnEstlFrAl-C-12/22.

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