



RINGS

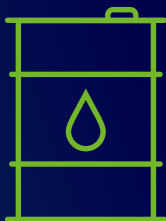
SUSTAINABLE TYRE SOLUTIONS

THANKS TO RETREADING TECHNOLOGY, EVERY YEAR WORLDWIDE WE SAVE * :

4,55 million
tons of tyres
not released to the environment

3,90 billion
liters of
oil and derivatives

8,45 billion
euro
in the transportation industry



** Estimates calculated by MARANGONI based on data provided by the main tyre retreaders associations.*

RINGTREAD VS FLAT TREAD

- SPLICELESS -

- SPLICED -

RINGTREAD offers superior performances with the same pattern, compound and application

Up to
+25%
Mileage

-10%
Rolling resistance

RELIABILITY

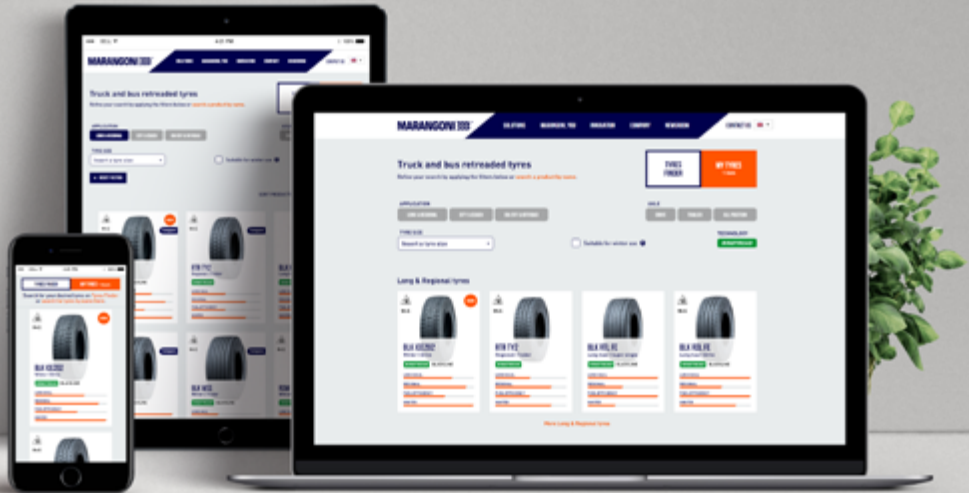
No risk of tread separation and open splice

MAXIMUM SAFETY



ONLINE CATALOGUE

tyresfinder.marangoni.com



The online catalogue is a valuable guide to better orient both **fleets and retreaders**. It offers a broad and **always up-to-date** overview of options for a properly **informed choice** of products that best meet their needs.

For the end-user, the tool illustrates the **range of retreaded tyres** that can be manufactured with Marangoni's materials. The retreader will also find the needed technical information about **rings and treads**, just a click away.

We invite our customers to use the online catalogue as a **sales tool**, leveraging its accessibility, ease of use and effectiveness.

This product manual is valid until revoked and replaces all previous versions, errors and changes excepted. / Questo manuale del prodotto è valido fino a revoca e sostituisce tutte le versioni precedenti, salvo errori e modifiche. / Dieses Produkthandbuch ist gültig bis auf Widerruf und ersetzt alle vorangegangenen Versionen, Irrtümer und Änderungen vorbehalten. / Este manual del producto es válido hasta que sea revocado y reemplaza todas las versiones anteriores. Salvo, errores y cambios. / Ce manuel du produit est valable jusqu'à sa révocation et remplace toutes les versions précédentes. Sauf, erreurs et modifications.

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LONG HAUL & REGIONAL | TRAILER

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LONG HAUL & REGIONAL | ALL POSITIONS

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CITY & COACH | DRIVE

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CITY & COACH | ALL POSITIONS

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ON/OFF & OFFROAD | TRAILER

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ON/OFF & OFFROAD | ALL POSITIONS

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❄ Recommended for severe winter use / Consigliato per un uso invernale severo / Empfohlen für den strengen Wintereinsatz / Recomendado para uso severo en invierno / Reconnmandé pour une utilisation hivernale sévère

*Product range eventually to be replaced / Gamma prodotto in via di sostituzione / Auslaufprofile, die eventuell ersetzt werden / Linea producto a sustituir / Gamme produit à remplacer

LEGEND · LEGENDA · LEGENDE · LEYENDA · LÉGENDE

TECHNICAL CHARACTERISTICS

CARATTERISTICHE TECNICHE / TECHNISCHE EIGENSCHAFTEN / CARACTERÍSTICAS TÉCNICAS / CARACTERISTIQUES TECHNIQUES



with wings
con alette / mit Seitenlappen / con aletas / avec ailettes



circumference
circonferenza / Umfang / circunferencia / circonférence



width
larghezza / Breite / ancho / largeur



depth
profondità / Profiltiefe / profundidad / profondeur



circumference code
codice circonferenza / Umfangs-Code / código de circunferencia / code circonférence



stretching coefficient
coefficiente di stiro / Streckungskoeffizient / coeficiente de estiramiento / coefficient d'éirement



compression coefficient
coefficiente di compressione / Kompressionskoeffizient / coeficiente de compresión / coefficient of compression

TOLERANCE TOLLERANZ / TOLERANZ / TOLERANCIA / TOLERANCE



± 2 mm



CODE



mm

MIN



mm

MAX

XS/XXS

3040



± 0.2 mm

S

3040

3130



± 1%

M

3140

3250



+ 3%

L

3260

3370



0%

XL

3370

PERFORMANCE CHARACTERISTICS

CARATTERISTICHE PRESTAZIONALI / EINSATZEIGENSCHAFTEN / PRESTACIONES / CARACTERISTIQUES DE PERFORMANCE



long haul
lunghe distanze / Fernverkehr / larga distancia / longue distance



regional
regionale / Regionalverkehr / regional / régional



winter
invernale / Winter / invernal / hiver



city & intercity
uso urbano e interurbano / Stadt- und Überlandverkehr / uso urbano e interurbano / urbain et interurbain



on/off
uso misto / gemischter Einsatz / uso mixto / mixte



offroad
cava cantiere / abseits der Straße / fuera de carretera / chantier



energy saving
risparmio energetico / Energieeinsparung / el ahorro de energía / économie d'énergie

M+S

M+S marked products are designed for mud and slippery conditions but not officially tested to deliver a minimum guaranteed performance in winter conditions / M+S: prodotti marcati M+S sono stati progettati per servizi su fondi sdrucciolevoli ma non sono stati ufficialmente testati per garantire un livello di performance minimo in condizioni invernali / M+S gekennzeichnete Reifen sind für Matsch und Glätte geeignet, sind aber nicht offiziell auf eine gewährleisteteste Mindestwintertauglichkeit geprüft / Los productos marcados con M+S, están diseñados para condiciones de barro y superficies resbaladizas, pero no han sido testados oficialmente, para ofrecer un rendimiento mínimo garantizado en condiciones invernales / Les produits marqués M+S sont conçus pour être utilisés en cas de boue et terrain glissant mais ils ne sont pas officiellement testés pour assurer les prestations minimales pendant l'hiver



Three Peak Mountain Snow Flake (3PMSF) marked products are designed for severe winter conditions, tested in accordance to Annex 10 of UN ECE109R/Annex 7 ECE117R / 3PMSF: prodotti marcati 3PMSF sono stati progettati per servizi in condizioni invernali severe e sono stati testati secondo l'Allegato 10 del Regolamento UN ECE109R e l'Allegato 7 del Regolamento ECE117R / 3PMSF gekennzeichnete Reifen sind für harte Winterbedingungen entwickelt und gemäß Anhang 10 von Richtlinie EC 109R/Anhang 7 von Richtlinie ECE 117R getestet / Los productos marcados 3PMSF están diseñados para condiciones invernales severas testados de conformidad con el Anexo 10 de la UN ECE109R/Anexo 7 ECE117R / Les produits marqués 3PMSF sont conçus pour être utilisés en conditions d'hiver extrêmes testés conformément à l'Annexe 10 de la norme UN ECE109R/Annexe 7 ECE117R

PRODUCT SPECIFICS

SPECIFICHE DI PRODOTTO / PRODUKTSPEZIFIKATIONEN / ESPECIFICACIONES DEL PRODUCTO / SPÉCIFICATIONS DU PRODUIT



available on request minimum quantity 100 units /
 disponibile su richiesta - ordine minimo 100 pezzi /
 auf Anfrage verfügbar, Mindestabnahme 100 Stück /
 disponible sobre petición, cantidad mínima 100
 unidades / disponible sur demande, quantité
 minimale 100 unités



until stock depletion
 fino ad esaurimento scorte / solange Vorrat reicht /
 hasta agotar existencias / jusqu'à épuisement
 des stocks



directional pattern
 battistrada direzionale / lauftrichtungsgebundenes
 Profil / escultura direccional / profil directionnel

**HP
 COMPOUND**

"High Performance" compound
 mescola "High Performance" / Mischung "High
 Performance" / mezcla "High Performance" /
 mélange "High Performance"

**KEY PERFORMANCE INDICATOR / INDICATORE CHIAVE DI
 PRESTAZIONE / LEISTUNGSKENNZAHL / INDICADOR CLAVE
 DE RENDIMIENTO / INDICATEUR CLÉ DE PERFORMANCE**

SATISFACTORY

OUTSTANDING

RINGTREAD BLACKLINE MAIN BENEFIT

BENEFIT PRINCIPALE / HAUPTVORTEIL / BENEFICIO
 PRINCIPAL / PRINCIPAL AVANTAGE



Traction on any surface
 Aderenza su tutti i terreni
 Haftung auf jedem Boden
 Adherencia sobre cualquier superficie
 Adhérence sur toutes les surfaces



Resistance in off road uses
 Robustezza su impieghi on/off
 Beständigkeit auf Straße/Gelände
 Resistencia a todo terreno carretera/fuera de carretera
 Résistance pour utilisation tout terrain



Low rolling resistance
 Bassa resistenza al rotolamento
 Niedriger Rollwiderstand
 Baja resistencia al rodamiento
 Faible résistance au roulement



High mileage for regional routes
 Alto chilometraggio per impieghi regionali
 Hohe Kilometerleistung für den Regionalverkehr
 Alto kilometraje para empleos interurbanos
 Haut kilométrage pour routes régionales

US MEASURE / MISURE US / US GRÖßEN / MEDIDA US / DIMENSIONS US



mm

mm

inch



mm

mm

inch



mm

mm




inch

10	13/32"
11	14/32"
12	15/32"
13	16/32"
14	18/32"
15	19/32"
16	20/32"
17	21/32"
18	23/32"
19	24/32"
20	25/32"
21	26/32"
22	28/32"
23	29/32"
24	30/32"
25	31/32"
26	33/32"

150	5 7/8"
160	6 1/4"
170	6 3/4"
180	7"
190	7 1/2"
200	8"
210	8 1/4"
220	8 5/8"
230	9"
240	9 3/8"
250	9 7/8"
260	10 3/8"
270	10 5/8"
280	11"
290	11 3/8"
300	11 7/8"
330	13"

2000	78 24/32"
2100	82 22/32"
2200	86 20/32"
2300	90 18/32"
2400	94 16/32"
2500	98 14/32"
2600	102 12/32"
2700	106 10/32"
2800	110 8/32"
2900	114 6/32"
3000	118 4/32"
3100	122 2/32"
3200	125 31/32"
3300	129 29/32"
3400	133 27/32"
3500	137 25/32"
3600	141 23/32"

TYRE SIZES - TREAD WIDTHS
MISURE PNEUMATICI - LARGHEZZA BATTISTRADA / REIFENGRÖSSEN - PROFILBREITE /
DIMENSIÓN DE NEUMÁTICOS - ANCHO BANDA DE RODAMIENTO /
DIMENSIONS PNEUMATIQUES - LARGEUR BANDE DE ROULEMENT

SIZES MISURE DIMENSIONEN MEDIDAS DIMENSIONS	 CODE	 BUFF. - RASP. - RAUEN - RASP. - RASP.		
			Min. mm	Max. mm

225/75R19.5	XXS	2515	180	190
225/70R19.5	XXS	2475	180	190
235/70R19.5	XXS	2495	190	200
245/70R19.5	XXS	2555	200	220
265/70R19.5	XXS	2635	210	230
285/70R19.5	XXS	2710	220	240
305/70R19.5	XXS	2790	240	260




445/45R19.5	XXS	2740	380	390
435/50R19.5	XXS	2805	360	390
425/55R19.5	XS	2990	320	360
445/55R19.5	XS	2980	360	390
445/65R19.5	M	3265	320	360

9.00R20	S	3075	180	200
10.00R20	M	3185	190	210
11.00R20	M	3285	200	220
12.00R20	L	3390	220	250

365/80R20	M	3300	265	275
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11.00R22	L	3450	210	230
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9R22.5	XS	2930	160	190
10R22.5	S	3070	180	210
11R22.5	M	3190	200	240
12R22.5	M	3280	210	240
13R22.5	XL	3420	230	260

SIZES MISURE DIMENSIONEN MEDIDAS DIMENSIONS	 CODE	 BUFF. - RASP. - RAUEN - RASP. - RASP.		
			Min. mm	Max. mm

285/60R22.5	XXS	2780	230	260
295/55R22.5	XXS	2650	255	275
295/60R22.5	XXS	2785	255	280
315/60R22.5	XXS	2890	260	290
255/70R22.5	XS	2820	195	220
275/70R22.5	XS	2920	230	250
305/70R22.5	XS	3030	240	260
315/70R22.5	XS	3070	250	290
295/75R22.5	S	3095	210	240
275/80R22.5	S	3100	210	240
295/80R22.5	M	3190	230	260
315/80R22.5	M	3275	240	280

455/45R22.5	XS	2970	390	430
445/50R22.5	S	3080	380	390
455/50R22.5	S	3070	380	390
385/55R22.5	XS	3030	310	340
445/55R22.5	M	3225	390	400
455/55R22.5	M	3236	390	400
385/65R22.5	M	3275	290	320
425/65R22.5	XL	3440	320	330
445/65R22.5	XL	3490	320	360

12.00R24	XL	3660	215	230
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THE BUFFING CIRCUMFERENCES ARE AVERAGE VALUES OF THE MARKET. THESE VALUES CAN BE AFFECTED BY IMPORTANT VARIATION DUE TO DIFFERENT BRANDS AND RELATED TECHNOLOGIES. THEY HAVE TO BE USED FOR REFERENCE ONLY.



BLACKLINE



BLACKLINE

EN **BLACKLINE**, the evolution of the standard range, is the result of Marangoni's significant investments in the most modern mixing and moulding technology. In addition to the intrinsic benefits and performance of all RINGTREAD rings, this product range has been developed with new compounds, especially selected and combined to guarantee performance that meets the highest market expectations concerning fuel consumption, life, grip in the dry and the wet and sturdiness in the most demanding on-off applications. The Blackline range is available only to selected customers.

IT **BLACKLINE**, evoluzione della gamma standard, è il risultato degli imponenti investimenti attuati da Marangoni nelle più moderne tecnologie di mescolazione e di stampaggio. In aggiunta ai benefici e alle prestazioni intrinseci a tutti i battistrada ad anello RINGTREAD, i prodotti di questa gamma sono stati infatti realizzati con nuove mescole, selezionate e combinate, per assicurare prestazioni in linea con le più elevate aspettative del mercato relativamente al consumo di carburante, alla durata, alla tenuta su tutte le superfici stradali e in qualsiasi condizione e alla resistenza negli impieghi più impegnativi di on-off. La gamma Blackline è disponibile solo per clienti selezionati.

DE Im Zuge der Entwicklung der **BLACKLINE** Reihe als High-End-Lösung innerhalb der RINGTREAD Familie hat die MARANGONI Gruppe erheblich in modernste Misch- und Formentechnologien investiert. Zusätzlich zu den Vorteilen und Leistungen aller RINGTREAD-Laufstreifen werden die BLACKLINE-Produkte aus ausgewählten neuen Mischungen hergestellt, die höchsten Ansprüchen in Bezug auf Kraftstoffverbrauch, Lebensdauer, Trocken- und Nassgriff sowie Widerstandsfähigkeit im On/Off-Einsatz gerecht werden. Die Blackline-Reihe wird nur ausgewählten Kunden angeboten.

ES **BLACKLINE**, la evolución de la gama estándar, es el resultado de las fuertes inversiones realizadas por Marangoni en las tecnologías más modernas de mezcla y moldeado. Además de los beneficios y prestaciones inherentes a todas las bandas de rodamiento en anillo RINGTREAD, los productos de esta gama han sido realizados con nuevos compuestos, seleccionados y combinados, para asegurar las prestaciones que respetan las más altas expectativas del mercado relativas al consumo de combustible, durabilidad, adherencia en todas las superficies y en cualquier condición y resistencia en las condiciones más agresivas. La gama Blackline está disponible solo para una selección de clientes.

FR **BLACKLINE**, évolution de la gamme standard, c'est le résultat d'importants investissements effectués par Marangoni dans les technologies de mélange et de moulage les plus modernes. En effet, il y a plus des bénéfices et des performances intrinsèques dans toutes les bandes de roulement à l'anneau RINGTREAD, les produits de cette gamme sont réalisés à l'aide de nouveaux mélanges sélectionnés afin d'assurer des performances en ligne avec les attentes exigeantes du marché en termes de consommation de carburant, de la durée de vie, de tenue sur toute chaussée et dans toute condition et de résistance pour les emplois on-off les plus difficiles. La gamme Blackline est disponible seulement pour une clientèle sélectionnée.

**LOOK & COMPARE · GUARDA & CONFRONTA · SCHAUEN & VERGLEICHEN
MIRAR & COMPARAR · REGARDEZ & COMPAREZ**

PRODUCT COMPARISON / ADDITIONAL TYRE SIZES

CONFRONTO DEI PRODOTTI / MISURE AGGIUNTIVE DI PNEUMATICI · DIMENSIÓN DE NEUMÁTICOS
PRODUKTVERGLEICH / ZUSÄTZLICHE REIFENGROßEN · COMPARACIÓN DE PRODUCTOS / TAMAÑOS ADICIONALES
DE NEUMÁTICOS · COMPARAISON DE PRODUITS / TAILLES DE PNEUS SUPPLÉMENTAIRES

LONG HAUL & REGIONAL | DRIVE

RINGTREAD Blackline	ENERGECO+	17
<i>RINGTREAD Blackline</i>	<i>RD2 PLUS</i>	<i>59</i>
RINGTREAD Blackline	RDG101	22

LONG HAUL & REGIONAL | DRIVE

RINGTREAD	ENERGECO+	42
RINGTREAD	RD2 PLUS	43
RINGTREAD	RDG101	47

CITY & COACH | ALL POSITIONS

RINGTREAD Blackline	BUS100	11
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CITY & COACH | ALL POSITIONS

RINGTREAD	BUS100	29
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ON/OFF & OFFROAD | DRIVE

RINGTREAD Blackline	MIX202	23
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ON/OFF & OFFROAD | DRIVE

RINGTREAD	MIX202	53
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BLACKLINE

BUS100



Urban bus with high mileage and good grip

Bus urbano ad alta percorrenza e buona aderenza

Für Stadtbuse, mit hoher Kilometerleistung und guter Haftung

Autobús urbano con alto kilometraje y buena adherencia

Bus urbain à kilométrage élevé et bonne adhérence

RINGREAD



 **INTERCITY**

 **URBAN**

 **WINTER**

 **ENERGY SAVING**

	SIZE	 mm		 mm	 mm	CODE
	275/70R22.5	240	XS	2860	20,0	021006124
	275/70R22.5	250	XS	2860	20,0	021006130
	295/80R22.5	250	M	3140	20,0	021006101

 29

product comparison / additional tyre sizes - confronto dei prodotti / misure aggiuntive di pneumatici - Produktvergleich / zusätzliche Reifen-
größen - comparación de productos / tamaños adicionales de neumáticos - comparaison de produits / tailles de pneus supplémentaires

MARANGONI original tread design / Design originale del battistrada MARANGONI / MARANGONI original Profildesign /
Diseño original de la banda de rodadura MARANGONI / Conception originale de la bande de roulement MARANGONI

LONG HAUL & REGIONAL

CITY & COACH | ALL POSITIONS

ON/OFF & OFFROAD

BLACKLINE**BUS400**

Intercity bus with high winter grip and good mileage

Bus extra-urbano con elevada adherencia invernal e buon chilometraggio

Für Überlandbusse, mit hohem Winter-Grip und guter Kilometerleistung

Autobús interurbano con alta adherencia en condiciones invernales y alto kilometraje

Bus banlieue avec adhérence hivernale élevée et bon kilométrage


RINGREAD

INTERCITY

URBAN

WINTER

ENERGY SAVING

	SIZE	 mm		 mm	 mm	CODE
	275/70R22.5	240	XS	2860	18,5	021006438
	295/80R22.5	240	M	3140	19,0	021006440
	275/70R22.5	250	XS	2860	18,5	021006445
	295/80R22.5	250	M	3140	19,0	021006447

MARANGONI original tread design / Design originale del battistrada MARANGONI / MARANGONI original Profildesign / Diseño original de la banda de rodadura MARANGONI / Conception originale de la bande de roulement MARANGONI

BLACKLINE

RTL FE

Super low rolling resistance trailer pattern for the greatest fuel saving on long haul application

Rimorchio con minima resistenza al rotolamento e massimo risparmio di carburante nelle lunghe distanze

Trailerprofil mit sehr geringem Rollwiderstand für maximale Kraftstoffeinsparung im Fernverkehr

Remorque de superbaja resistencia al rodamiento para lograr el mayor ahorro de combustible en largas distancias

Profil remorque à moindre résistance au roulement pour longue distance et très économe en carburant





 LONG HAUL

 REGIONAL

 WINTER

 ENERGY SAVING

RINGREAD

	SIZE	 mm		 mm	 mm	CODE
	385/65R22.5	300	M	3185	11,5	 021085070
	385/55R22.5	325	XS	2955	11,5	 021085083

BLACKLINE

RTE PLUS

Very high mileage regional trailer

Rimorchio regionale ad altissimo chilometraggio

Trailerprofil im Regionalverkehr, mit sehr hoher Kilometerleistung

Remorque regional con kilometraje muy alto

Profil remorque régional à kilométrage très élevé



RINGREAD



LONG HAUL

REGIONAL

WINTER

ENERGY SAVING



SIZE



mm



mm

CODE

385/65R22.5

300

M

3185

15,5



021025909

385/65R22.5

320

M

3185

15,5



021025923

BLACKLINE**WSS**

LONG HAUL & REGIONAL | TRAILER

CITY & COACH

ON/OFF & OFFROAD

**Winter trailer design - 3PMSF**















Rimorchio invernale - 3PMSF

Winter-Trailerprofil - 3PMSF

Remorque para invierno - 3PMSF

Profil remorque hivernale - 3PMSF

RINGREAD **LONG HAUL** **REGIONAL** **WINTER** **ENERGY SAVING**

	SIZE	 mm		 mm	 mm	CODE
	265/70R19.5	220	XXS	2580	14,0	 021035304
	275/70R22.5	240	XS	2895	14,0	021035303
	275/70R22.5	250	XS	2860	14,0	021035335
	295/80R22.5	250	M	3140	14,5	 021035302
	315/80R22.5	260	M	3215	14,5	 021035301
	315/70R22.5	270	XS	3000	14,5	 021035305
	315/60R22.5	280	XXS	2840	14,5	 021035306
	385/65R22.5	300	M	3210	14,0	 021035370
	385/65R22.5	320	M	3215	14,0	 021035380
	385/55R22.5	325	XS	2955	14,0	 021035383
	445/45R19.5	390	XXS	2690	14,0	 021035390

220 mm - 280 mm = 4 grooves / 4 incavi / 4 Längsrillen / 4 sculptures / 4 surcos

MARANGONI original tread design / Design originale del battistrada MARANGONI / MARANGONI original Profildesign / Diseño original de la banda de rodadura MARANGONI / Conception originale de la bande de roulement MARANGONI

BLACKLINE

RDL FE

Super low rolling resistance drive pattern for the greatest fuel saving on long haul application

Trattivo con minima resistenza al rotolamento e massimo risparmio di carburante nelle lunghe distanze

Profil für Antriebsreifen mit sehr geringem Rollwiderstand für maximale Kraftstoffeinsparung im Fernverkehr

Motriz de superbaja resistencia al rodamiento para lograr el mayor ahorro de combustible en largas distancias

Profil traction à moindre résistance au roulement et économe en carburant pour longue distance

 LONG HAUL






 REGIONAL

 WINTER

 ENERGY SAVING

RINGREAD



	SIZE	 mm		 mm	 mm	CODE
	295/60R22.5	265	XXS	2740	16,5	021062531
	315/70R22.5	270	XS	3000	16,5	021062535
	315/60R22.5	280	XXS	2840	16,5	021062541
	315/70R22.5	280	XS	3000	16,5	021062542

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BLACKLINE

ENERGECO+

Long haul and fuel saving drive

Trattivo per lunghe distanze e risparmio di carburante

Für kraftstoffsparende Fahrten im Fernverkehr

Tracción de largas distancias con ahorro de combustible

Profil traction longue distance et économie en carburant

RINGTREAD



 **LONG HAUL**

 **REGIONAL**

 **WINTER**

 **ENERGY SAVING**

	SIZE	 mm		 mm	 mm	CODE
	315/80R22.5	260	M	3185	19,5	021037129
	315/70R22.5	270	XS	3000	19,5	021037135

BLACKLINE

RDR HM3

Very high mileage regional / long haul drive pattern

Trattivo regionale / lunghe distanze con chilometraggio elevato

Sehr hohe Kilometerleistung im Regional- und Fernverkehr

Tracción Regional / larga distancia con un elevado kilometraje

Profil traction conduite régional / longue distance à kilométrage très élevé








RINGREAD


 LONG HAUL

 REGIONAL

 WINTER

 ENERGY SAVING

	SIZE	 mm		 mm	 mm	CODE
	285/70R19.5	230	XXS	2650	15,0	021070109
NEW	285/70R19.5	240	XXS	2650	15,0	021070104
	285/70R19.5	250	XXS	2650	15,0	021070121
	295/80R22.5 315/80R22.5	250	M	3170	20,0	021070124
	315/80R22.5	260	M	3185	20,0	021070130
	295/60R22.5	265	XXS	2740	18,5	021070101
	295/55R22.5	270	XXS	2650	18,5	021070103
	315/70R22.5	270	XS	3000	20,0	021070135
	315/80R22.5	270	M	3185	20,0	021070137
	315/60R22.5	280	XXS	2840	18,5	021070139
	315/70R22.5	280	XS	3000	20,0	021070140
	315/80R22.5	280	M	3185	20,0	021070102

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BLACKLINE

ICE202

Regional / Long distance drive pattern for severe winter conditions

Trattivo per distanze regionali / lunghe per condizioni invernali severe

Regional- / Fernverkehrsprofil geeignet für harte Winterbedingungen

Motriz de regional / larga distancia para condiciones invernales severas

Profil traction pour longue distance / régional en conditions hivernales difficiles

RINGTREAD





 **LONG HAUL**

 **REGIONAL**

 **WINTER**

 **ENERGY SAVING**

	SIZE	 mm		 mm	 mm	CODE
	275/70R22.5	240	XS	2895	19,0	021051501
	295/80R22.5 315/80R22.5	260	M	3170	19,0	021051502
	315/70R22.5	270	XS	3000	19,0	021051503

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BLACKLINE**WS101****Studdable severe winter regional drive design**






Trattivo regionale, chiodabile e adatto per condizioni invernali severe

Bespikbares Profil für den Regionalverkehr geeignet für strenge Winterbedingungen

Motriz Regional al que pueden añadirse clavos en condiciones invernales severas

Profil cloutable pour conduite régionale hivernale en conditions difficiles


LONG HAUL
REGIONAL
WINTER
ENERGY SAVING
RINGREAD

	SIZE	 mm		 mm	 mm	CODE
	275/70R22.5	240	XS	2895	20,0	021033302
	275/70R22.5	250	XS	2895	20,0	021033301
	315/80R22.5 295/80R22.5	250	M	3185	20,0	021033352
	315/80R22.5	260	M	3185	20,0	021033359
	315/70R22.5	270	XS	3000	20,0	021033365
	315/60R22.5	280	XXS	2840	19,0	021033303

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BLACKLINE

RSY397*

Winter regional drive design

Trattivo regionale per condizioni invernali

Profil für winterliche Bedingungen im Regionalverkehr

Motriz Regional invernál

Profil traction régional hivernale

RINGTREAD



LONG HAUL

REGIONAL

WINTER

ENERGY SAVING

	SIZE	mm		mm	mm	CODE
	275/70R22.5	240	XS	2860	21,0	021032817
	315/80R22.5 295/80R22.5	250	M	3185	21,0	021032823
	315/80R22.5 295/80R22.5	260	M	3185	21,0	021032829
	315/70R22.5	270	XS	3000	21,0	021032834

* Yokohama Original Design

BLACKLINE

RDG101

All season regional pattern with excellent traction

All season regionale con eccellente trazione

Ganzjahresprofil für den Regionalverkehr mit hervorragender Traktion

Diseño regional para todas las estaciones con una excelente tracción

Profil régional 4 saisons avec une excellente traction









RINGREAD

LONG HAUL

REGIONAL

WINTER

ENERGY SAVING

	SIZE	 mm		 mm	 mm	CODE
	315/80R22.5 295/80R22.5	260	M	3185	22,0	021007930
	295/60R22.5	265	XXS	2740	19,0	021007932
	315/70R22.5	270	XS	3000	22,0	021007935
	315/80R22.5	270	M	3215	22,0	021007937
	315/60R22.5	280	XXS	2840	19,0	021007939
	315/70R22.5	280	XS	3000	21,5	021007940

47

product comparison / additional tyre sizes - confronto dei prodotti / misure aggiuntive di pneumatici - Produktvergleich / zusätzliche Reifen-
größen - comparación de productos / tamaños adicionales de neumáticos - comparaison de produits / tailles de pneus supplémentaires

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BLACKLINE

MIX202

LONG HAUL & REGIONAL

CITY & COACH

ON/OFF & OFFROAD | DRIVE

**High mileage on/off non directional pattern**

Disegno on/off non direzionale con alto chilometraggio

Nicht laufrichtungsgebundenes Profil für hohe Kilometerleistung abseits der Straße






Elevado kilometraje on/off diseño no direccional

Profil non directionnel on/off à kilométre élevé

RINGREAD

ON/OFF

OFFROAD

	SIZE	 mm		 mm	 mm	CODE
NEW	295/80R22.5	240	M	3140	22,0	021053108
	13R22.5	240	L	3320	22,0	021053105
NEW	295/80R22.5	250	MS	3140	22,0	021053107
	315/80R22.5	250	M	3215	22,0	021053104
	13R22.5	250	L	3320	22,0	021053106
	315/80R22.5	260	M	3215	22,0	021053102
	315/70R22.5	270	XS	3000	22,0	021053103
	315/80R22.5	270	M	3215	22,0	021053101

 53

product comparison / additional tyre sizes - confronto dei prodotti / misure aggiuntive di pneumatici - Produktvergleich / zusätzliche Reifen-
größen - comparación de productos / tamaños adicionales de neumáticos - comparaison de produits / tailles de pneus supplémentaires

MARANGONI original tread design / Design originale del battistrada MARANGONI / MARANGONI original Profildesign /
Diseño original de la banda de rodadura MARANGONI / Conception originale de la bande de roulement MARANGONI

BLACKLINE

MIX303

Trailer design for mixed application

Disegno per assi trainati per uso misto

Trailerprofil für den gemischten Einsatz

Diseño de remolque para aplicaciones mixtas

Profil remorque pour application mixte

RINGTREAD

ON/OFF

OFFROAD



SIZE



mm



M



mm



mm

CODE

385/65R22.5

305

M

3215

16,5

021054001

385/65R22.5

315

M

3215

16,5

021054002

RINGTREAD





EN

RINGTREAD is the only retreading system that uses joint-free precured rings that adhere to the casing without tension or deformation of the tread pattern, ensuring the maximum performance at all times: excellent traction on demanding surfaces, low rolling resistance and consequently fuel savings, and high mileage, all thanks to the product's greater precision and directional stability, in particular the siping and blocks.

IT

RINGTREAD è l'unico sistema di ricostruzione che utilizza anelli battistrada prestampati, prodotti in forma circolare e senza giunte, che aderiscono alla carcassa senza nessuna tensione o deformazione del disegno battistrada, assicurando sempre il massimo delle prestazioni: grande trattività su superfici impegnative, bassa resistenza al rotolamento con conseguente risparmio carburante ed elevato chilometraggio, il tutto grazie alla maggiore precisione e alla stabilità direzionale del prodotto, in particolare di lamelle e tasselli.

DE

Das **RINGTREAD** System ermöglicht eine sehr produktive, qualitativ hochwertige Runderneuerung ohne Stoß. Nahtlose und in der Geometrie der Reifenlauffläche produzierte Ringe können spannungs- und verformungsfrei mit der Karkasse zusammen vulkanisiert werden, was Höchstleistungen gewährleistet: hohe Traktion auch auf schwierigem Untergrund, niedriger Rollwiderstand und Kraftstoffersparnis sowie hohe Kilometerleistung – all das dank höherer Präzision und Richtungsstabilität des Produktes, insbesondere von Lamellen und Profilblöcken.

ES

RINGTREAD es el único sistema de recauchutado que utiliza anillos de banda de rodamiento preestampados, producidos en forma circular y sin uniones, que se adhieren a la carcasa sin ninguna tensión ni deformación del diseño de la banda de rodamiento, asegurando el máximo rendimiento: una gran tracción sobre las superficies difíciles, baja resistencia a la rodadura con el consiguiente ahorro de combustible y elevado kilometraje, gracias a la mayor precisión y a la estabilidad direccional del producto, especialmente de las laminillas y de los tacos.

FR

RINGTREAD est le seul système de rechapage utilisant des anneaux de bande de roulement prémoulés, fabriqués sous forme circulaire et sans jonctions, qui adhèrent à la carcasse sans aucune tension ni déformation du dessin de la bande de roulement, ce qui assure toujours le maximum de performances: grande traction sur les surfaces difficiles, basse résistance au roulement et, partant, économie de carburant et kilométrage élevé et, tout ça, grâce à la précision accrue et à la stabilité directionnelle du produit, notamment des lamelles et des pavés.

BUS

Urban bus with high mileage and regular wear

Bus urbano ad alta percorrenza e usura regolare

Für Stadtbusse, mit hoher Kilometerleistung und gleichmäßiger Abnutzung

Autobús urbano con alto kilometraje y desgaste regular

Bus urbain avec kilométrage élevé et usure normale










RINGREAD

 INTERCITY

 URBAN

 WINTER

 ENERGY SAVING

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
	275/70R22.5	230	XS	2860	19,0	021005521
	295/80R22.5 <i>12R22.5</i>	230	M	3140	19,0	 021005517
	275/70R22.5	240	XS	2860	19,0	021005530
	295/80R22.5 <i>315/80R22.5</i>	245	M	3185	19,0	 021005514
	275/70R22.5	250	XS	2860	19,0	021005537
	315/80R22.5 <i>295/80R22.5</i>	260	M	3185	19,0	021005529

BUS100

Urban bus with high mileage and good grip

Bus urbano ad alta percorrenza e buona aderenza

Für Stadtbuse, mit hoher Kilometerleistung und guter Haftung

Autobús urbano con alto kilometraje y buena adherencia

Bus urbain à kilométrage élevé et bonne adhérence

RINGTREAD



INTERCITY



URBAN



WINTER



ENERGY SAVING

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
	265/70R19.5	220	XXS	2580	19,0	021006212
	275/70R22.5	240	XS	2860	20,0	021006224
	275/70R22.5	250	XS	2860	20,0	021006230
	295/80R22.5	250	M	3140	20,0	021006232



11 **product comparison / additional tyre sizes** - confronto dei prodotti / misure aggiuntive di pneumatici - Produktvergleich / zusätzliche Reifen-größen - comparación de productos / tamaños adicionales de neumáticos - comparaison de produits / tailles de pneus supplémentaires

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BUS-T

Urban bus with good winter traction

Bus urbano con buona trattività in impiego invernale

Für Stadtbusse, mit guter Traktion auf winterlichen Straßen

Autobús urbano con buena tracción en condiciones invernales

Bus urbain avec bonne traction hivernale

RINGREAD







 INTERCITY

 URBAN

 WINTER

 ENERGY SAVING

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
	275/70R22.5	235	XS	2860	20,0	021006006
	275/70R22.5	245	XS	2860	20,0	021006009

RD4



Intercity bus with good winter traction

Bus interurbano con buona trattività in impiego invernale

Für Überlandbusse, mit guter Traktion auf winterlichen Straßen

Autobús interurbano con buena tracción en condiciones invernales

Bus interurbain avec bonne traction hivernale

RINGTREAD



INTERCITY












URBAN



WINTER



ENERGY SAVING

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
	295/80R22.5 12R22.5	230	M	3140	17,0	 021022505
	285/70R19.5	235	XXS	2650	17,0	 021022501
	275/70R22.5	235	XS	2860	17,0	 021022506
	295/80R22.5 315/80R22.5	240	M	3180	17,0	 021022508
	295/80R22.5 315/80R22.5	250	M	3185	17,0	 021022511

RZP LC

City bus all position light design. Suitable for electric vehicles

Disegno leggero all position per bus urbani. Adatto per veicoli elettrici

Leichtes Profil für alle Achspositionen. Geeignet für Elektro-Stadtbusse

Diseño ligero para todas las posiciones, para autobuses urbanos. Apto para autobuses urbanos eléctricos

Profil léger, toutes positions, pour les bus urbains. Adapté aux bus urbains électriques

RINGREAD



INTERCITY

URBAN

WINTER

ENERGY SAVING

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
	275/70R22.5	240	XS	2895	17,5	021060024
	275/70R22.5	250	XS	2895	17,5	021060031

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RZE-HM



All position rib design for regional applications

Disegno lineare all position per uso regionale

Rundumbereifung mit Rillendesign, für den Regionalverkehr

Diseño para todas las posiciones en aplicaciones regionales

Profil ligné toutes positions pour applications régionales

RINGTREAD



LONG HAUL

REGIONAL

WINTER

ENERGY SAVING

STD COMPOUND	SIZE	mm	M	mm	mm	CODE
	295/80R22.5	240	M	3140	16,0	021027235
	295/80R22.5 315/80R22.5	250	M	3170	16,0	021027241

RZ-Fe100

All position rib design for long haul applications

Disegno lineare all position per lunghe distanze

All-Position-Rillenprofil, im Fernverkehr

Diseño para todas las posiciones en aplicaciones de larga distancia

Profil ligné toutes positions pour application longue distance



LONG HAUL



REGIONAL




WINTER



ENERGY SAVING

RINGREAD

HP COMPOUND	SIZE	 mm		 mm	 mm	CODE
	295/80R22.5	240	M	3140	14,0	 021030740
	295/80R22.5 315/80R22.5	250	M	3170	14,0	 021030747
	315/80R22.5	265	M	3185	14,0	 021030758
	315/70R22.5	270	XS	3000	14,0	021030759

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RTA-E

Long haul and fuel saving trailer

Rimorchio per lunghe distanze e risparmio di carburante

Trailerprofil im Fernverkehr, für kraftstoffsparenden Einsatz

Remorque para largas distancias con ahorro de combustible

Profil remorque longue distance et économie en carburant











RINGTREAD

 LONG HAUL

 REGIONAL

 WINTER

 ENERGY SAVING

HP COMPOUND	SIZE	 mm		 mm	 mm	CODE
	385/65R22.5	295	M	3235	15,0	 021025215
	385/65R22.5	305	M	3215	15,0	 021025220
	385/65R22.5	320	M	3215	15,0	 021025227
	385/55R22.5	325	XS	2955	15,0	 021025230
	435/50R19.5	380*	XXS	2740	12,0	 021025246
	445/45R19.5	390*	XXS	2690	13,0	 021025250

* 6 grooves / 6 incavi / 6 Längsrillen / 6 sculptures / 6 surcos

RTA-W

Long haul and fuel saving trailer

Rimorchio per lunghe distanze e risparmio di carburante

Trailerprofil im Fernverkehr, für kraftstoffsparenden Einsatz

Remorque para largas distancias con ahorro de combustible

Profil remorque longue distance et économie en carburant







 LONG HAUL

 REGIONAL

 WINTER

 ENERGY SAVING

RINGTREAD

HP COMPOUND	SIZE	 mm		 mm	 mm		CODE
	385/65R22.5	295	M	3185	12,0		021025456
	385/65R22.5	305	M	3185	12,0		021025459
	385/55R22.5	325	XS	2955	12,0		021025485

RTE/RTE-M

High mileage regional trailer

Rimorchio regionale ad alto chilometraggio

Trailerprofil mit hoher Kilometerleistung im Regionalverkehr

Remorque regional con alto kilometraje

Profil remorque régional à kilométrage élevé

RINGTREAD





M+S







 LONG HAUL

 REGIONAL

 WINTER

 ENERGY SAVING

HP COMPOUND	SIZE	 mm		 mm	 mm	CODE
RTE	385/65R22.5	295	M	3185	16,0	 021025505
RTE	385/65R22.5	305	M	3185	16,0	 021025510

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
RTE-M	385/65R22.5	295	M	3185	14,5	 021025705
RTE-M	385/65R22.5	305	M	3185	14,5	 021025710

RZ12

High mileage long haul trailer

Rimorchio per lunghe distanze ad alto chilometraggio

Für hohe Laufleistung im Fernverkehr

Remorque para largas distancias con alto kilometraje

Profil remorque longue distance à kilométrage élevé


 LONG HAUL

 REGIONAL

 WINTER

 ENERGY SAVING

RINGREAD

HP COMPOUND	SIZE	 mm		 mm	 mm	CODE
RZ12	385/65R22.5	295	M	3215	12,0	 021030535
RZ12	385/65R22.5	305	M	3185	12,0	 021030540

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
RZ12-L	385/65R22.5	300	M	3185	12,0	 021030539

R164-L

High mileage regional trailer

Rimorchio regionale ad alto chilometraggio

Trailerprofil mit hoher Kilometerleistung im Regionalverkehr

Remorque regional con alto kilometraje

Remorque régional à kilométrage élevé



RINGTREAD

 **LONG HAUL**

 **REGIONAL**

 **WINTER**

 **ENERGY SAVING**

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
	385/65R22.5	300	M	3210	13,5	 021031507

RSSY3

Mixed application super single design

Super-single per uso misto

Trailerprofil im gemischten Einsatz

Remolque para aplicaciones mixtas

Profil Super Single pour applications mixtes



RINGTREAD



 ON/OFF

 OFFROAD

HP COMPOUND	SIZE	 mm		 mm	 mm	CODE
	385/65R22.5	295	M	3235	16,5	 021034232
	385/65R22.5	305	M	3235	16,5	 021034235
	425/65R22.5	320	XL	3380	17,0	 021034238
	445/65R22.5	360	XL	3460	17,5	 021034247



RTR TY2

3PMSF trailer and lift axles design

Disegno 3PMSF per rimorchi e assi sollevabili

3PMSF Design für Trailer und Liftachsen

Diseno 3PMSF de remolque y ejes elevados

Profil remorque 3PMSF et pour essieux relevables



RINGTREAD




 **LONG HAUL**

 **REGIONAL**

 **WINTER**

 **ENERGY SAVING**

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
	265/70R19.5	220	XXS	2580	13,0	021087512
NEW	265/70R19.5	230	XXS	2580	14,0	021087501
NEW	285/70R19.5	235	XXS	2650	14,0	021087503
NEW	275/70R22.5	240	XS	2895	14,0	021087502

ENERGECO+

Long haul and fuel saving drive

Trattivo per lunghe distanze e risparmio di carburante

Für kraftstoffsparende Fahrten im Fernverkehr

Tracción para largas distancias con ahorro de combustible

Profil traction longue distance et économie en carburant



RINGREAD













 **LONG HAUL**

 **REGIONAL**

 **WINTER**

 **ENERGY SAVING**

HP COMPOUND	SIZE	 mm		 mm	 mm	CODE
ENERGECO+	295/60R22.5	255	XXS	2695	18,0	021037023
	315/70R22.5 305/70R22.5	260	XS	3000	19,5	021037026
	315/80R22.5	260	M	3185	19,5	021037029
	315/60R22.5	270	XXS	2820	18,0	021037032
	315/70R22.5	270	XS	3000	19,5	021037035
	315/80R22.5	270	M	3185	19,5	021037037
	315/60R22.5	280	XXS	2820	18,0	021037041
	315/70R22.5	280	XS	3020	19,5	021037042
ENERGECO						
	315/80R22.5	260	M	3185	17,0	 021036508
	315/70R22.5	270	XS	3000	17,0	 021036512
	315/80R22.5	270	M	3185	17,5	 021036520



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product comparison / additional tyre sizes - confronto dei prodotti / misure aggiuntive di pneumatici - Produktvergleich / zusätzliche Reifen-
größen - comparación de productos / tamaños adicionales de neumáticos - comparaison de produits / tailles de pneus supplémentaires

RD2 PLUS

High mileage regional drive

Trattivo regionale ad alto chilometraggio

Für Antriebsreifen im Regionalverkehr, mit hoher Kilometerleistung

Tracción de alto kilometraje

Profil traction régional à kilométre élevé



RINGREAD



LONG HAUL







REGIONAL



WINTER



ENERGY SAVING

HP COMPOUND	SIZE	 mm		 mm	 mm	CODE
	315/70R22.5 305/70R22.5	260	XS	3000	21,0	021022227
	315/80R22.5	260	M	3185	21,0	021022229
	315/70R22.5	270	XS	3000	21,0	021022231
	315/80R22.5	270	M	3185	21,0	021022232
	315/70R22.5	280	XS	3000	21,0	021022241



59

product comparison / additional tyre sizes - confronto dei prodotti / misure aggiuntive di pneumatici - Produktvergleich / zusätzliche Reifen-
größen - comparación de productos / tamaños adicionales de neumáticos - comparaison de produits / tailles de pneus supplémentaires

RD2

High mileage regional drive

Trattivo regionale ad alto chilometraggio

Für Antriebsreifen im Regionalverkehr, mit hoher Kilometerleistung

Motriz de alto kilometraje

Profil traction régional à kilométre élevé

RINGREAD

















 LONG HAUL

 REGIONAL

 WINTER

 ENERGY SAVING

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
	265/70R19.5 285/70R19.5	220	XXS	2550	14,5	 021022006
	285/70R19.5 265/70R19.5	230	XXS	2620	14,5	 021022010
	275/70R22.5	240	XS	2860	19,5	 021022016
	295/80R22.5 315/80R22.5	240	M	3185	19,5	 021022017
	305/70R22.5 315/70R22.5	250	XS	3000	19,5	 021022022
	295/80R22.5 315/80R22.5	250	M	3185	19,5	 021022023
	315/70R22.5 305/70R22.5	260	XS	3000	19,5	 021022026
	315/80R22.5	260	M	3185	19,5	 021022029
	315/70R22.5	270	XS	3000	19,5	 021022030
	315/80R22.5	270	M	3185	19,5	 021022032

RD-HM

High mileage drive axle pattern

Trattivo ad alto chilometraggio

Für Antriebsreifen, mit hoher Kilometerleistung

Tracción de alto rendimiento kilométrico

Profil traction à haut kilométrage



RINGTREAD










 LONG HAUL

 REGIONAL

 WINTER

 ENERGY SAVING

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
	295/80R22.5 315/80R22.5	250	M	3170	21,0	 021020220
	295/80R22.5 315/80R22.5	260	M	3170	21,0	 021020223
	315/70R22.5	265	XS	3000	20,0	 021020229

RD-HMe

High mileage drive axle pattern

Trattivo ad alto chilometraggio

Für Antriebsreifen, mit hoher Kilometerleistung

Tracción de alto rendimiento kilométrico

Profil traction à haut kilométrage



RINGREAD







 LONG HAUL

 REGIONAL

 WINTER

 ENERGY SAVING

HP COMPOUND	SIZE	 mm		 mm	 mm	CODE
	315/80R22.5 295/80R22.5	250	M	3185	20,0	021020420
	315/80R22.5	260	M	3185	20,0	021020423
	315/70R22.5	265	XS	3000	20,0	021020426
	315/80R22.5	270	M	3215	20,0	021020429
	315/70R22.5	275	XS	3000	20,0	021020432

RDG101

All season regional pattern with excellent traction

Disegno all season regionale con eccellente trazione

Ganzjahresprofil für den Regionalverkehr mit hervorragender Traktion

Diseño regional para todas las estaciones con una excelente tracción

Profil régional 4 saisons avec une excellente traction



RINGTREAD







 **LONG HAUL**

 **REGIONAL**

 **WINTER**

 **ENERGY SAVING**

HP COMPOUND	SIZE	 mm		 mm	 mm	CODE
	295/80R22.5 315/80R22.5	250	M	3170	22,0	021007826
	315/80R22.5 295/80R22.5	260	M	3185	22,0	021007830
	315/70R22.5	270	XS	3000	22,0	021007835
	315/80R22.5	270	M	3215	22,0	021007837
	315/70R22.5	280	XS	3000	21,5	021007840



22 **product comparison / additional tyre sizes** - confronto dei prodotti / misure aggiuntive di pneumatici - Produktvergleich / zusätzliche Reifen-größen - comparación de productos / tamaños adicionales de neumáticos - comparaison de produits / tailles de pneus supplémentaires

MARANGONI original tread design / Design originale del battistrada MARANGONI / MARANGONI original Profildesign / Diseño original de la banda de rodadura MARANGONI / Conception originale de la bande de roulement MARANGONI

RDW MS6

Regional / long distance drive pattern with excellent winter characteristics. Pattern is studdable

Trattivo regionale, chiodabile adatto per condizioni invernali

Traktionsprofil für den Regional- und Fernverkehr mit hervorragenden Wintereigenschaften. Spikefähig

Diseño Regional / Larga distancia para aplicaciones invernales. Modelo con posibilidad de poner clavos

Profil de traction régional / longue distance avec d'excellentes caractéristiques hivernales. Profil cloutable (Übersetzung ist noch nicht freigegeben)



RINGREAD






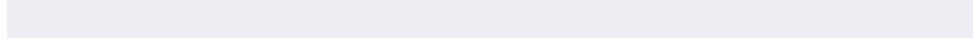
 **LONG HAUL**

 **REGIONAL**

 **WINTER**

 **ENERGY SAVING**

HP COMPOUND	SIZE	 mm		 mm	 mm	CODE
 NEW	315/80R22.5 295/80R22.5	260	M	3185	20,0	021072001
 NEW	315/70R22.5	270	XS	3000	20,0	021072002



RDW MS9



Winter regional drive design

Trattivo regionale per condizioni invernali

Profil für winterliche Bedingungen im Regionalverkehr

Motriz Regional invernali

Profil traction régional hivernale

RINGTREAD



 **LONG HAUL**

 **REGIONAL**

 **WINTER**

 **ENERGY SAVING**

HP COMPOUND	SIZE	 mm		 mm	 mm	CODE
	315/80R22.5	260	M	3185	20,0	021072530
	315/70R22.5	270	XS	3000	20,0	021072535
	315/80R22.5	270	M	3185	20,0	021072537

RM+SK

Winter regional drive design, studdable

Trattivo regionale per condizioni invernali, chiodabile

Profil für winterliche Bedingungen im Regionalverkehr, spikefähig

Motriz Regional invernal, clavos posible

Profil traction régional hivernale, clous possible

RINGREAD




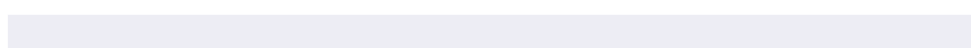
 LONG HAUL

 REGIONAL

 WINTER

 ENERGY SAVING

HP COMPOUND	SIZE	 mm		 mm	 mm	CODE
	275/70R22.5	240	XS	2860	20,0	021023512
	295/80R22.5	240	M	3170	20,0	021023513
	315/80R22.5	255	M	3200	19,5	 021023501
	315/70R22.5	270	XS	3000	19,5	 021023502



MIX100



Mixed application DIRECTIONAL drive
(90% on-road, 10% off-road)

Trattivo DIREZIONALE per uso "misto"
(90% "on-road" e 10% "offroad")

LAUFRICHTUNGSGEBUNDENES Design
für die kombinierte Anwendung
(90% auf Straßen, 10% Off-Road)

Motriz DIRECCIONAL para aplicaciones mixtas
(90% en carretera, 10% fuera de carretera)

Profil traction DIRECTIONNEL pour applications
mixtes (90% sur-route, 10% hors-route)

RINGTREAD



 ON/OFF

 OFFROAD

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
	315/80R22.5	250	M	3240	22,5	021013745
	315/80R22.5	260	M	3240	22,5	021013752
	315/80R22.5	270	M	3240	22,5	021013759

MARANGONI original tread design / Design originale del battistrada MARANGONI / MARANGONI original Profildesign /
Diseño original de la banda de rodadura MARANGONI / Conception originale de la bande de roulement MARANGONI

MIX101

**Mixed application NON DIRECTIONAL drive
(90% on-road, 10% off-road)**

Trattivo NON DIREZIONALE per uso "misto"
(90% "on-road" e 10% "off-road")

NICHT LAUFRICHTUNGSGEBUNDENES Design
für die kombinierte Anwendung
(90% auf Straßen, 10% Off-Road)

Motriz NO DIRECCIONAL para aplicaciones mixtas
(90% en carretera, 10% fuera de carretera)





Profil traction NON-DIRECTIONNEL pour applications
mixtes (90% sur-route, 10% hors-route)

RINGREAD



 ON/OFF

 OFFROAD

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
	295/80R22.5	240	M	3170	21,5	021013902
NEW	315/80R22.5	250	MS	3140	21,5	021013903
	315/80R22.5	250	M	3220	21,5	021013945
	315/80R22.5	260	M	3220	21,5	021013952
	315/70R22.5	270	XS	3000	21,5	021013957
	315/80R22.5	270	M	3220	21,5	021013901

MARANGONI original tread design / Design originale del battistrada MARANGONI / MARANGONI original Profildesign /
Diseño original de la banda de rodadura MARANGONI / Conception originale de la bande de roulement MARANGONI

MIX202

High mileage on/off non directional pattern

Disegno on/off non direzionale ad alto chilometraggio

Nicht laufrichtungsgebundenes Profil für hohe Kilometerleistung abseits der Straße

Elevado kilometraje on/off diseño no direccional





Profil on/off non directionnel à kilomètre élevé

RINGREAD



 ON/OFF

 OFFROAD

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
NEW	295/80R22.5	240	M	3140	22,0	0210530008
	13R22.5	240	L	3320	22,0	021053005
NEW	295/80R22.5	250	MS	3140	22,0	021053007
	315/80R22.5	250	M	3215	22,0	021053004
	13R22.5	250	L	3320	22,0	021053006
	315/80R22.5	260	M	3215	22,0	021053002
	315/70R22.5	270	XS	3000	22,0	021053003
	315/80R22.5	270	M	3215	22,0	021053001



product comparison / additional tyre sizes - confronto dei prodotti / misure aggiuntive di pneumatici - Produktvergleich / zusätzliche Reifen-
größen - comparación de productos / tamaños adicionales de neumáticos - comparaison de produits / tailles de pneus supplémentaires

MARANGONI original tread design / Design originale del battistrada MARANGONI / MARANGONI original Profildesign /
Diseño original de la banda de rodadura MARANGONI / Conception originale de la bande de roulement MARANGONI

RDY-HM

Mixed application heavy drive

Trattivo pesante per uso misto

Für gemischte Einsatzzwecke unter schwierigen Bedingungen

Motriz reforzado para aplicaciones mixtas





Profil traction robuste pour applications mixtes

RINGTREAD



 ON/OFF

 OFFROAD

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
	295/80R22.5	240	M	3170	22,0	021021117
	315/80R22.5	250	M	3240	22,0	021021120
	13R22.5	250	L	3310	22,0	021021121
	315/80R22.5	260	M	3240	21,5	021021123
	315/80R22.5	270	M	3240	21,5	021021129

MIX MASTER

Mixed application drive

Trattivo per uso misto

Für den gemischten Einsatz

Motriz para aplicaciones mixtas

Profil traction pour applications mixtes

RINGTREAD



ON/OFF



OFFROAD

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
	13R22.5 12.00R20	240	L	3300	18,5	 021013503
	295/80R22.5	245	M	3170	18,5	 021013504
	13R22.5	250	L	3300	18,5	 021013505
	315/80R22.5	260	M	3220	18,5	 021013507

MZH/MZH PLUS

Severe off-road application drive

Trattivo per impieghi offroad severi


Für anspruchsvolle Einsätze abseits der Straße

Motriz para aplicaciones fuera de carretera severas

Profil traction pour application extrême hors-route

RINGTREAD
M+S
 ON/OFF

 OFFROAD

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
MZH	315/80R22.5	245	L	3285	20,0	021018009
MZH PLUS	13R22.5	250	L	3320	23,5	021018140

RZY-HM

All position for mixed application

All position per uso misto

Rundumbereifung für die kombinierte Anwendung

Todas las posiciones para aplicaciones mixtas










Toutes positions pour application mixte

RINGTREAD



 ON/OFF

 OFFROAD

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
	11R22.5	215	M	3220	19,0	 021029718
	12R22.5	235	M	3200	19,0	 021029730
	295/80R22.5	245	M	3170	20,5	 021029736
	315/80R22.5 295/80R22.5	255	M	3185	20,5	 021029748
	315/80R22.5 295/80R22.5	265	M	3185	20,5	 021029754

Product range eventually to be replaced / Gamma prodotto in via di sostituzione /
Auslaufprofile, die eventuell ersetzt werden / Linea producta a sustituir / Gamme produit à remplacer



BLACKLINE

RD2 PLUS

RINGTREAD



LONG HAUL

REGIONAL

WINTER

ENERGY SAVING

	SIZE	 mm		 mm	 mm	CODE
	315/80R22.5	260	M	3185	21,0	021022329
	315/70R22.5	270	XS	3000	21,0	021022331
	315/80R22.5	270	M	3185	21,0	021022332

43

product comparison / additional tyre sizes - confronto dei prodotti / misure aggiuntive di pneumatici - Produktvergleich / zusätzliche Reifen-
größen - comparación de productos / tamaños adicionales de neumáticos - comparaison de produits / tailles de pneus supplémentaires



MDA

RINGTREAD

M+S

LONG HAUL

REGIONAL

WINTER

ENERGY SAVING

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
	315/80R22.5	245	M	3220	18,5	021011520
	295/60R22.5	255	XXS	2695	17,0	021011521
	315/80R22.5	265	M	3240	18,5	021011526
	315/60R22.5	270	XXS	2785	17,0	021011528
	315/70R22.5	270	XS	3000	18,5	021011527

LONG HAUL & REGIONAL | DRIVE

LONG HAUL & REGIONAL | DRIVE



RD-HSe

RINGTREAD
M+S

LONG HAUL

REGIONAL

WINTER

ENERGY SAVING

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
	295/80R22.5	230	M	3140	17,0	021020505
	295/80R22.5 315/80R22.5	240	M	3185	17,0	021020508
	315/80R22.5 295/80R22.5	250	M	3185	17,0	021020511



RRY357*

RINGTREAD

LONG HAUL

REGIONAL

WINTER

ENERGY SAVING

HP COMPOUND	SIZE	 mm		 mm	 mm	CODE
	385/65R22.5	305	M	3185	16,0	021032620

* Yokohama Original Design





WASTE HAUL

RINGROAD

M+S

 **ON/OFF**

 **OFFROAD**

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
	12R22.5 11R22.5	220	M	3220	21,5	021035008
	315/80R22.5	245	M	3220	22,0	021035014
	315/80R22.5	260	M	3220	22,0	021035017





RZY-N

RINGROAD

 **ON/OFF**

 **OFFROAD**

STD COMPOUND	SIZE	 mm		 mm	 mm	CODE
	315/80R22.5	240*	M	3220	16,0	 021029544








* 240 mm = 4 grooves / 4 incavi / 4 Längsrillen / 4 sculptures / 4 surcos











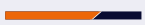
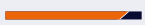
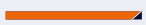













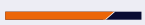
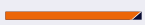
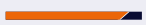
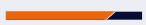












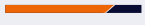
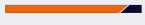
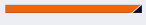





ON/OFF & OFFROAD | DRIVE









ON/OFF & OFFROAD | ALL POSITIONS












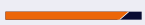














PERFORMANCE CHARACTERISTICS

CARATTERISTICHE PRESTAZIONALI / EINSATZEIGENSCHAFTEN / PRESTACIONES DE LOS DIBUJOS /
CARACTÉRISTIQUES DE PERFORMANCE

RINGREAD BLACKLINE					M+S		
Blackline BUS100					•	•	11
Blackline BUS400					•	•	12

RINGREAD BLACKLINE					M+S		
Blackline ENERGECO+					•	•	17
Blackline ICE202					•	•	19
Blackline RD2 PLUS*					•	•	59
Blackline RDG101					•	•	22
Blackline RDL FE					•	•	16
Blackline RDR HM3					•	•	18
Blackline RSY397					•	•	21
Blackline RTE PLUS					•	•	14
Blackline RTL FE							13
Blackline WS101					•	•	20
Blackline WSS					•	•	15

RINGREAD BLACKLINE			M+S		
Blackline MIX202			•	•	23
Blackline MIX303			•	•	24



















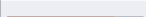
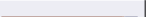
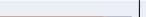
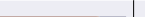
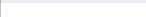
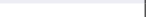
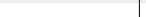
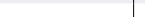
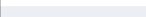
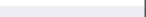
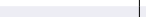
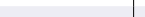
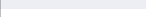
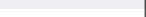
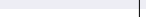
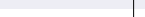












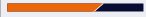
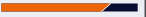
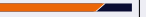

















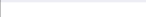
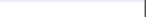
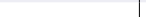
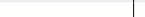
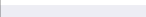
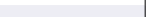
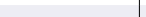
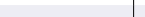
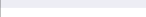
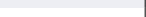
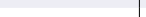
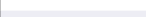
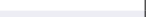
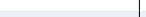
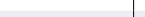
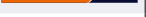

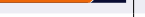
RINGREAD					M+S		
BUS							28
BUS100					•	•	29
BUS-T					•	•	30
RD4					•	•	31
RZP LC					•	•	32




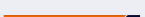
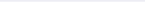
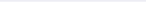
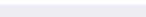
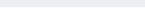
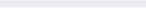



*Product range eventually to be replaced / Gamma prodotto in via di sostituzione /
Auslaufprofile, die eventuell ersetzt werden / Linea producta a sostituire / Gamme produit à remplacer

SATISFACTORY

OUTSTANDING

KEY PERFORMANCE INDICATOR / INDICATORE CHIAVE DI PRESTAZIONE / LEISTUNGSKENNZAHL / INDICADOR CLAVE DE RENDIMIENTO / INDICATEUR CLÉ DE PERFORMANCE

RINGTREAD					M+S		
ENERGECO+					•	•	42
MDA*					•		59
RD-HM					•	•	45
RD-HMe					•	•	46
RD-HSe*					•		60
RD2 PLUS					•	•	43
RD2					•	•	44
RDG101					•	•	47
RDW MS6					•	•	48
RDW MS9					•	•	49
RM+SK					•	•	50
R164-L							39
RRY357*							60
RTA-E							35
RTA-W							36
RTE/RTE-M					•		37
RTR TY2					•	•	41
RZ12							38
RZ-Fe100							34
RZE-HM						•	33

RINGTREAD			M+S		
MIX MASTER			•	•	55
MIX100			•	•	51
MIX101			•	•	52
MIX202			•	•	53
MZH/MZH PLUS			•		56
RDY-HM			•	•	54
RSSY3			•	•	40
RZY-HM			•	•	57
RZY-N*					61
WASTE HAUL*			•		61



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