

ROTA®

THE SPECIALIZED SOLUTION



TOTAL SOLUTIONS


TRELLEBORG
WHEEL SYSTEMS

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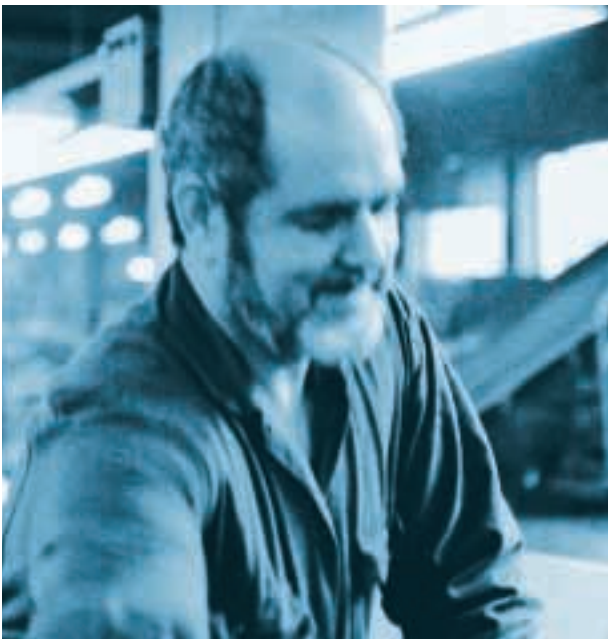
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FROM ... TO ...



What started 175 years ago as a trading company for a variety of textile accessories has developed into a leading manufacturer of specialized industrial tires. Today, the Rota® brand stands for production of a complete range of resilient tires for the OEM and replacement market.

The company Rotatec joined the Trelleborg Group in 1997, completing the company's Total Solution. The worldwide operations are led from the Business Unit headquar-

ters in Hartville, USA, Evergem, Belgium and Trelleborg, Sweden. The Rota® brand is produced in our facilities in Sri Lanka.

QUALITY ALL THE WAY

Our strong commitment to quality, advanced technology, value and cost efficiency are cornerstones upon which our successful global business is based. Our manufacturing expertise, advanced molding techniques and other processes are designed to produce a specialized range of tires that deliver optimal performance, energy efficiency, comfort and safety while being environmentally sound. All tire manufacturing is carried out under the strictest controls and is ISO certified to ensure maximum quality and safety in accordance with the highest environmental standards.

SPECIALIZED SOLUTIONS

Rota® is known throughout the world for its dedication to technologically advanced manufacturing techniques and for our wide range of superior products for specialized applications. Rota® offers its customers a highly diversified selection of solid rubber tires and wheel assemblies to suit different material handling applications. Products include solid rubber resilient tires for heavy-duty vehicles and forklift trucks, used in glassworks, foundries, rolling mills

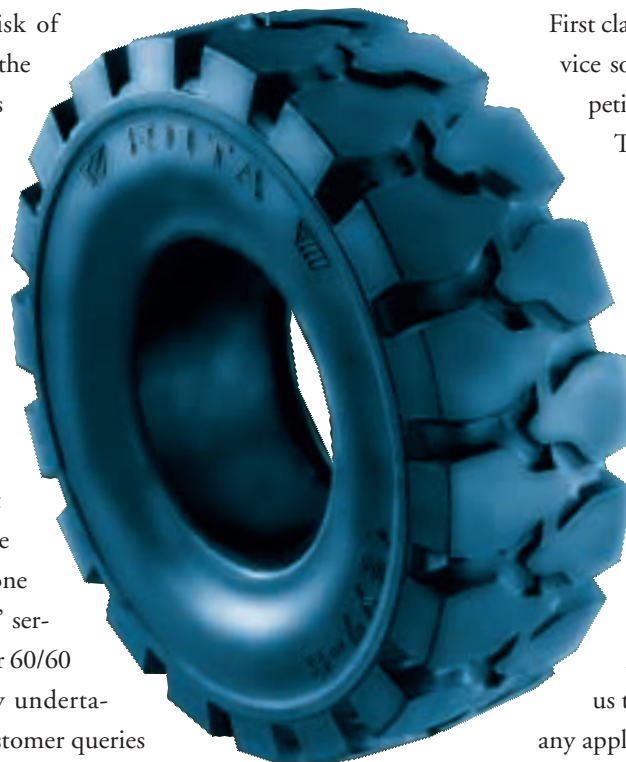


and steel & construction material storage facilities. All of the solid rubber tires are puncture-proof, abrasion-resistant and offer excellent riding comfort and stability.

In addition to our wide range of industrial tires, the Rota® brand features tires for drum drive applications. It also offers other special solutions such as electrically conductive tires for use in manufacturing facilities where there is a risk of explosion. Last but not least, the non-marking compound is suitable for areas where cleanliness is very important and for industrial floor surfaces with highly specialized requirements.

WORLD CLASS SERVICE

All our products are backed by one of the industry's most ambitious customer service organizations. The cornerstone of Trelleborg Wheel Systems' service is our commitment to our 60/60 performance. The company undertakes to provide answers to customer queries within 60 seconds, or take responsibility to ensure a telephone response within 60 minutes. Accessibility, follow-up, and professionalism are prerequisites for good customer relations. The high level of customer satisfaction is proof that Trelleborg Wheel System's service organization is second to none.



PARTNERSHIP

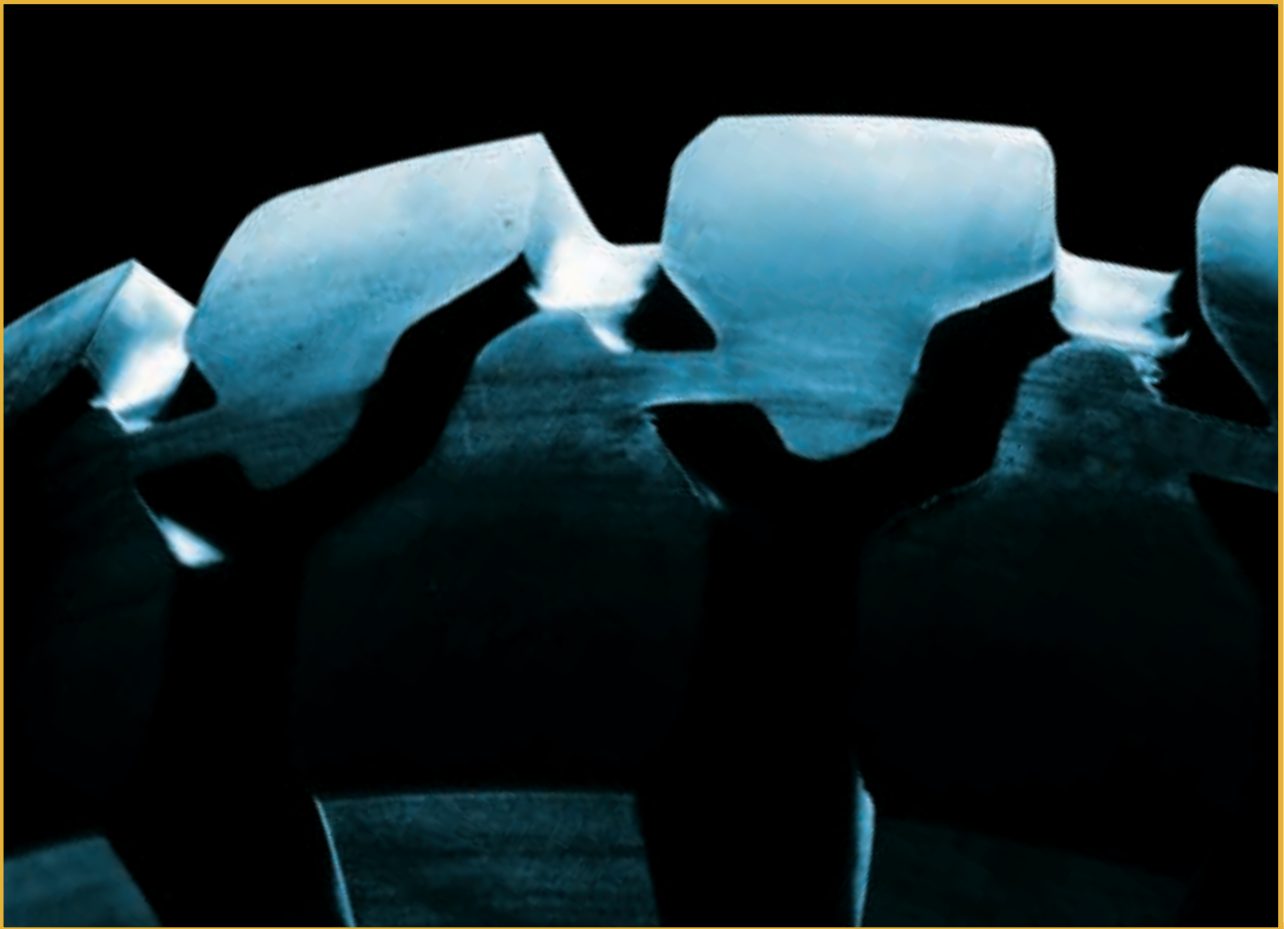
Successful companies are good listeners. They listen to what their customers have to say and they respond quickly to changing market conditions. By working closely with customers from the product development stage to finished product, we are able to tailor products to meet specific demands.

First class, cost-effective products and service solutions give customers the competitive advantage they are looking for.

Their success is our success. That's what a true partnership is all about.

GLOBAL CUSTOMERS

As a member of Trelleborg Wheel Systems, Rota® enjoys an active local market presence on all continents. This means that we are able to provide our customers with the kinds of products that are most suitable for their specific requirement. Our global resources allow us to meet any challenge and to solve any application-specific requirement from our customers.



RESILIENT TIRES

The Rota® resilient tire line is an advanced solution for forklift trucks, special vehicles and other applications with heavy duty demands. Due to the selection of high-quality materials, combined with state-of-the-art technology and more than 100 years of tire manufacturing experience, these first class products provide maximum reliability and high cost-efficiency. In short, this is tire technology that is second to none. The performance has been tested and verified in the field by almost every conceivable type of material handling application.

- **NATURAL RUBBER**
- **THREE STAGE CONSTRUCTION**
- **IMPROVED RIDE QUALITY**
- **LOW ROLLING RESISTANCE**
- **EXTENDED WEAR**
- **LOWER VEHICLE MAINTENANCE COSTS**
- **MOUNTED TIRE AND WHEEL ASSEMBLIES AVAILABLE**



VP-15



VP-20



GP



M



LR



FL



ROTA® RESILIENTS

The ROTA® resilient tire is available in various designs, for optimal performance in every application. The range is built on six main profiles, but special orders are also available.



Cross section of Rota® Resilient

PRODUCTS FEATURE:

- HIGH LOAD CAPACITY
- ABRASION-RESISTANT TREAD COMPOUND
- FIRM GRIP AND HIGH TRACTION
- LONG LIFE EXPECTANCY
- EXTENDED WEAR
- COOL RUNNING
- LOW ROLLING RESISTANCE FOR REDUCED ENERGY CONSUMPTION
- HIGH STABILITY

All popular Rota® resilients are also available in LOC-version – ROTA®-plus – for quick and easy mounting.

AVAILABLE PROFILES:



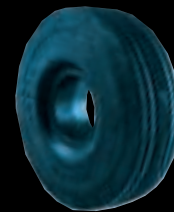
VP-15 – VP is part of the new generation profile. All dimensions from 8 to 15 inches inner diameter are available in this tread design.



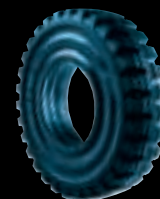
GP – Profile for 20 inch inner diameter that will be replaced by the new VP profile design.



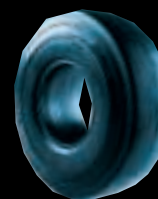
VP-20 – Profile that replaces the earlier GP profile with 20 inches inner diameter.



LR – Rib grooved tread. LR profiles are preferred especially for smaller dimensions in the steer position or for trolleys (non-motorized vehicles).






M – Military profile will still be available for certain dimensions.



FL – Plain treaded profile that is only available in certain dimensions. It is preferably used on dry and firm surfaces.

SPECIAL COMPOUNDS:

-  **NATUR** – Non-marking compound that doesn't leave tire marks on any surface. The NM-compound is particularly designed for use on sensitive floors. It's not electrically conductive or anti-static. Vehicles equipped with this compound have to be grounded prior to use in inflammable areas or where there is a risk of explosion.
-  **ELF** – This electrically conducting compound is designed for use in inflammable areas or areas with danger of explosion. The conductivity is in accordance to the guiding principles of WdK-no. 110, class 1. ELF tires are marked with a red flash on a yellow label.
-  **SPECIAL ORDER** – Various compounds are available upon request.



VP-15



VP-20



GP



M



LR



FL

ROTA® AND ROTA®-plus

RESILIENT TIRES

Reifengröße Tire Size Dimensions du bandage	Felge Rim Jante	Profile Tread Profil	Lieferbar sind Available are Disponible		Reifenabmessung Tire-Dimension Dimension des bandages		Belastung im Stillstand	Reifentragfähigkeit (kg), Load Capacity (kg), Capacité de charge (kg)				
			ROTA	ROTA »plus«	max. Breite max. width Largeur max. mm	Außen ø outside ø ø ext. mm±2%		Gabelstaplereinsatz for forklift trucks pour chariots élévateurs 25 km/h		sonstige Fahrzeuge inside operational use remorques et autres applications		
								Lastrad Load wheel roue porteuse	Lenkrad Steering wheel roue directrice	6 km/h	10 km/h	25 km/h
3.00-4	2.10-4	LR	X		87	250	295	260	195	260	235	195
4.00-4	2.50C-4	M	X		116	306	625	535	415	535	485	415
	2.50C-4	LR	X		116	306	625	535	415	535	485	415
4.00-8	3.00D-8	M	X	X	130	406	1100	950	730	950	860	730
	3.00D-8	LR	X		130	406	1100	950	730	950	860	730
5.00-8	3.00D-8	VP15	X	X	143	458	1645	1415	1090	1415	1285	1090
	3.00D-8	LR	X		143	458	1645	1415	1090	1415	1285	1090
15x4 1/2-8 (125/75-8)	3.00D-8	LR	X	X	132	377	1210	1040	800	1040	940	800
	3.00D-8	VP15	X	X	132	377	1210	1040	800	1040	940	800
16x6-8 (150/75-8)	4.33R-8	VP15	X	X	164	417	1690	1455	1120	1455	1320	1120
18x7-8 (180/70-8)	4.33R-8	VP15	X	X	187	453	2490	2145	1650	2145	1945	1650
	4.33R-8	FL	X		187	453	2490	2145	1650	2145	1945	1650
18x9-8	7.00E-8	M	X		239	457	2870	2470	1900	2470	2090	1900
140/55-9	4.00E-9	LR, VP15	X	X	131	377	1360	1170	900	1170	1060	900
6.00-9	4.00E-9	VP15	X	X	173	529	2190	1885	1450	1885	1710	1450
	4.00E-9	LR	X		173	529	2190	1885	1450	1885	1710	1450
21x8-9 (200/75-9)	6.00E-9	VP15	X	X	216	524	3200	2755	2120	2755	2505	2120
6.50-10	5.00F-10	VP15	X	X	191	576	2720	2340	1800	2340	2125	1800
7.50-10	5.50F-10	M	X		224	632	3565	3070	2360	3070	2785	2360
23x9-10 (225/75-10)	6.50F-10	VP15	X	X	243	583	4000	3445	2650	3445	3125	2650
200/50-10	6.50F-10	LR		X	200	454	2870	2470	1900	2470	2250	1900
	6.50F-10	VP15	X	X	200	454	2870	2470	1900	2470	2250	1900
7.00-12	5.00S-12	VP15	X	X	207	657	3380	2920	2240	2920	2645	2240
8.25-12	5.00S-12	M	X		195	709	3995	3440	2645	3440	3120	2645
23x10-12 (250/60-12)	8.00G-12	VP15	X	X	275	583	4380	3770	2900	3770	3420	2900
27x10-12 (250/75-12)	8.00G-12	VP15	X	X	275	676	4530	3900	3000	3900	3540	3000
22x41/2	3.11F-13	M	X		143	583	1245	1075	825	1075	975	825
23x5	3.75P-13	M	X	X	167	622	1735	1495	1150	1495	1355	1150
25x6	3.75P-13	M	X		184	666	2565	2210	1700	2210	2005	1700



VP-15



VP-20



GP



M



LR



FL

ROTA® AND ROTA®-plus

RESILIENT TIRES

Reifengröße Tire Size Dimensions du bandage	Felge Rim Jante	Profile Tread Profil	Lieferbar sind Available are Disponible		Reifenabmessung Tire-Dimension Dimension des bandages		Belastung im Stillstand	Reifentragfähigkeit (kg), Load Capacity (kg), Capacité de charge (kg)				
			ROTA	ROTA »plus«	max. Breite max. width Largeur max. mm	Außen ø outside ø ø ext. mm±2%		Gabelstaplereinsatz for forklift trucks pour chariots élévateurs 25 km/h		sonstige Fahrzeuge Inside operational use remorques et autres applications		
								Lastrad Load wheel roue porteuse	Lenkrad Steering wheel roue directrice	6 km/h	10 km/h	25 km/h
200-15	6.5-15	M	X		221	715	3660	3150	2425	3150	2870	2425
250-15 (250/70-15)	7.0-15	VP15	X	X	265	720	5510	4750	3650	4750	4300	3650
	7.5-15	M	X	X	265	720	5510	4750	3650	4750	4300	3650
300-15 (315/70-15)	8.0-15	VP15	X	X	324	823	6795	5850	4500	5850	5310	4500
355/65-15 (350-15)	9.75-15	VP15	X	X	355	823	9060	7800	6000	7800	6430	5450
400/60-15	11.0-15	VP15	X		400	823	10420	8970	6900	8970	8140	6900
7.00-15	5.5-15	VP15	X	X	213	731	4115	3545	2725	3545	3215	2725
7.50-15	5.5-15	VP15	X		234	757	4530	3900	3000	3900	3540	3000
	6.5-15	VP15	X		234	757	4530	3900	3000	3900	3540	3000
28x9-15 (225/75-15)	7.0-15	VP15	X	X	233	693	4380	3770	2900	3770	3420	2900
280/50-15	8.0-15	LR		X	255	670	6040	5200	4000	5200	4700	4000
28x12.5-15 345/45-15	9.75-15	M	X		343	693	5850	5525	4250	5525	5015	4250
	9.75-15	VP15		X	335	690	5850	5525	4250	5525	5015	4250
8.25-15	6.5-15	VP15	X	X	253	819	5510	4750	3650	4750	4300	3650
8.25-20	6.5-20	M	X		253	951	5550	4400	3675	4400	4335	3675
	7.0-20	M	X		253	951	5550	4400	3675	4400	4335	3675
9.00-20	6.5-20	GP	X		276	992	6720	5340	4450	5340	4885	4450
	7.0-20	GP	X		276	992	6720	5340	4450	5340	4885	4450
10.00-20	7.0-20	GP	X		302	1029	7550	6000	5000	6000	5455	5000
	7.5-20	GP	X		302	1029	7550	6000	5000	6000	5455	5000
	8.0-20	GP	X		302	1029	7550	6000	5000	6000	5455	5000
12.00-20	8.0-20	VP20	X		337	1098	9440	7500	6250	7500	6810	6250
	8.5-20	VP20	X		337	1098	9440	7500	6250	7500	6810	6250
	10.0-20	VP20	X		352	1098	10145	8065	6720	8065	7330	6720
355/50-20	10.00-20	FL	X	X	315	823	10440	8990	6915	8990	8160	6915

TIRE SELECTION GUIDE

Correct tire selection for your application will result in improved productivity and cost savings.

ROTA® *resilients*

APPLICATION	VP15	VP20	FL
Indoor/Outdoor Usage	Light Blue	Light Blue	Light Blue
Improved Ride Quality	Light Blue	Dark Blue	Dark Blue
Long runs	Light Blue	Light Blue	Black
Stability	Light Blue	Light Blue	Light Blue
Rolling Resistance	Light Blue	Light Blue	Black
Heavy Duty Cycle	Light Blue	Dark Blue	Light Blue
Heavy Loading	Light Blue	Dark Blue	Dark Blue
Smooth/Rough Surface	Light Blue	Light Blue	Black

= recommended
 = highly recommended

RESILIENT SIZES AND DIMENSIONS

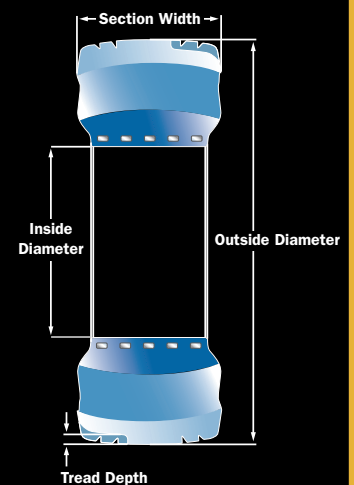
For Resilient tires there are 4 different size designations used.

5.00	-	8
section width		nominal wheel diameter
inch		inch

18	x	7	-	8
outside diameter		section width		nominal wheel diameter
inch		inch		inch

250	-	15
section width		nominal wheel diameter
mm		inch

200	/	50	-	10
section width		aspect ratio		nominal wheel diameter
mm		%		inch



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