

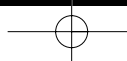
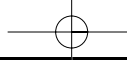
ROTA®

THE SPECIALIZED SOLUTION



TOTAL SOLUTIONS


TRELLEBORG
WHEEL SYSTEMS



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ROTA®

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

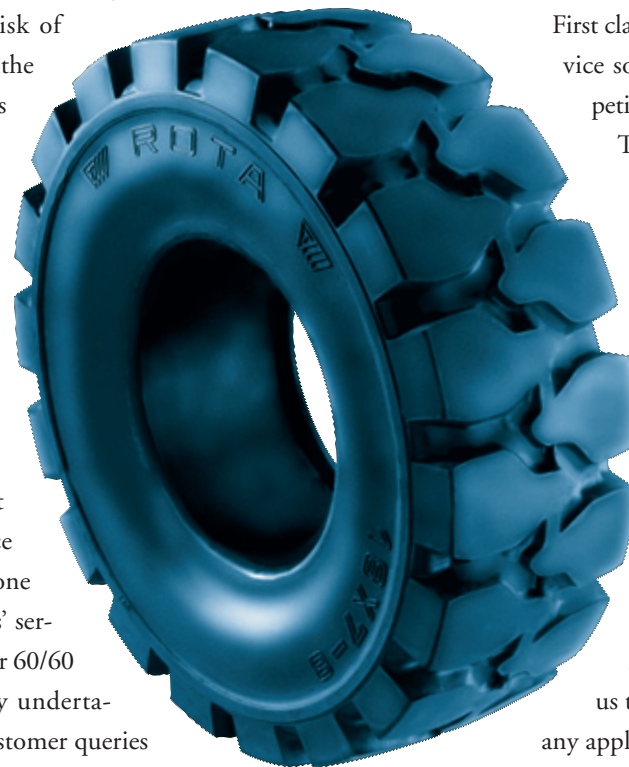


and steel & construction material storage facilities. All of the solid rubber tires are puncture-proof, abrasion-resistant and offer excellent riding comfort and stability.

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.

ROTA®



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.



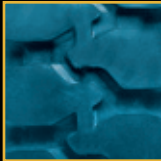
Cross section of Rota® Resilient

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:



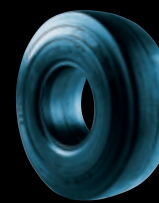
VP-15 – VP is part of the new generation profile. All dimensions from 8 to 15 inches inner diameter are available in this tread design.

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.

ROTA

VP-15



VP-20



GP



M



LR



FL

ROTA® AND ROTA®-plus**RESILIENT TIRES**

Tire Size Reifengröße Dimensions du bandage	Rim Felge Jante	Tread Profile Profil	Available are Lieferbar sind Disponible		Tire-Dimension Reifenabmessung Dimension des bandages		Weight Gewicht Poids (kg)	Static Load	Load Capacity (kg). Reifentragfähigkeit (kg), Capacité de charge (kg)				
			ROTA	ROTA »plus«	Max. width Max. Breite Largeur max. mm	Outside ø Außen ø ø ext. mm±2%			For forklift trucks Gabelstaplereinsatz Pour chariots élévateurs 25 km/h		Inside operational use Sonstige Fahrzeuge Remorques et autres applications		
									Load wheel Lastrad Roue porteuse	Steering wheel Lenkrad Roue directrice	6 km/h	10 km/h	25 km/h
3.00-4	2.10-4	LR	X		87	250	3.5	295	260	195	260	235	195
4.00-4	2.50C-4	M	X		116	306	6.3	625	535	410	535	485	410
	2.50C-4	LR	X		116	306	6.3	625	535	410	535	485	410
4.00-8	3.00D-8	M	X	X	130	406	10.3	1100	950	730	950	860	730
	3.00D-8	LR	X		130	406	10.3	1100	950	730	950	860	730
5.00-8	3.00D-8	VP15	X	X	143	458	15.5	1645	1415	1090	1415	1285	1090
	3.00D-8	LR	X		143	458	15.5	1645	1415	1090	1415	1285	1090
15x4 1/2-8 (125/75-8)	3.00D-8	LR	X	X	132	377	8.9	1210	1040	800	1040	940	800
	3.00D-8	VP15	X	X	132	377	8.9	1210	1040	800	1040	940	800
16x6-8 (150/75-8)	4.33R-8	VP15	X	X	164	417	15.2	1690	1455	1120	1455	1320	1120
18x7-8 (180/70-8)	4.33R-8	VP15	X	X	187	453	20.0	2490	2145	1650	2145	1950	1650
	4.33R-8	FL	X		187	453	20.0	2490	2145	1650	2145	1950	1650
140/55-9	4.00E-9	LR, VP15	X	X	131	377	10.4	1360	1170	900	1170	1060	900
6.00-9	4.00E-9	VP15	X	X	173	529	24.7	2190	1885	1450	1885	1710	1450
	4.00E-9	LR	X		173	529	24.7	2190	1885	1450	1885	1710	1450
21x8-9 (200/75-9)	6.00E-9	VP15	X	X	216	524	31.5	3200	2755	2120	2755	2505	2120
6.50-10	5.00F-10	VP15	X	X	191	576	33.6	2720	2340	1800	2340	2185	1800
7.50-10	5.50F-10	M	X		224	632	46.7	3565	3070	2360	3070	2785	2360
23x9-10 (225/75-10)	6.50F-10	VP15	X	X	243	583	47.0	4000	3445	2650	3445	3125	2650
200/50-10	6.50F-10	LR		X	221	458	22.0	2870	2470	1900	2470	2240	1900
	6.50F-10	VP15	X	X	221	458	23.0	2870	2470	1900	2470	2240	1900
7.00-12	5.00S-12	VP15	X	X	207	657	45.0	3380	2920	2240	2920	2640	2240
23x10-12 (250/60-12)	8.00G-12	VP15	X	X	275	583	46.0	4380	3770	2900	3770	3420	2900
27x10-12 (250/75-12)	8.00G-12	VP15	X	X	275	676	67.0	4530	3900	3000	3900	3540	3000
23x5	3.75P-13	M	X	X	167	622	30.0	1735	1495	1150	1495	1355	1150
250-15 (250/70-15)	7.0-15	VP15	X	X	265	720	66.0	5510	4640	3570	4640	4200	3570
	7.5-15	M	X	X	265	720	66.5	5510	4640	3570	4640	4200	3570
300-15 (315/70-15)	8.0-15	VP15	X	X	324	823	114.0	6795	5850	4500	5850	5310	4500
355/65-15 (350-15)	9.75-15	VP15	X	X	372	826	128.0	9060	7800	6000	7800	6430	5450



VP-15



VP-20



GP



M



LR



FL

ROTA® AND ROTA®-plus

RESILIENT TIRES



Tire Size Reifengröße Dimensions du bandage	Rim Felge Jante	Tread Profile Profil	Available are Lieferbar sind Disponible		Tire-Dimension Reifenabmessung Dimension des bandages		Weight Gewicht Poids (kg)	Static Load	Load Capacity (kg), Reifentragfähigkeit (kg), Capacité de charge (kg)				
			ROTA	ROTA »plus«	Max. width Max. Breite Largeur max. mm	Outside ø Außen ø ø ext. mm±2%			For forklift trucks Gabelstaplereinsatz Pour chariots élévateurs 25 km/h		Inside operational use Sonstige Fahrzeuge Remorques et autres applications		
									Load wheel Lastrad Roue porteuse	Steering wheel Lenkrad Roue directrice	6 km/h	10 km/h	25 km/h
400/60-15	11.0-15	VP15	X		400	823	143.0	10420	8970	6900	8970	8140	6900
7.00-15	5.5-15	VP15	X	X	213	731	57.0	4115	3545	2725	3545	3215	2725
7.50-15	5.5-15	VP15	X		234	757	66.6	4530	3900	3000	3900	3540	3000
	6.5-15	VP15	X		234	757	67.0	4530	3900	3000	3900	3540	3000
28x9-15 (225/75-15)	7.0-15	VP15	X	X	233	693	54.0	4380	3900	3000	3900	3540	3000
280/50-15	8.0-15	LR		X	255	670	66.0	6040	5200	4000	5200	4700	4000
28x12.5-15 345/45-15	9.75-15	VP15	X		343	693	89.0	5850	5525	4250	5525	5015	4250
	9.75-15	VP15		X	335	690	90.0	5850	5525	4250	5525	5015	4250
8.25-15	6.5-15	VP15	X	X	253	819	86.2	5510	4750	3650	4750	4300	3650
8.25-20	6.5-20	M	X		253	951	121.0	5550	4400	3675	4400	4005	3675
	7.0-20	M	X		253	951	122.0	5550	4400	3675	4400	4005	3675
9.00-20	6.5-20	GP	X		276	992	145.0	6720	5400	4500	5400	4910	4500
	7.0-20	GP	X		276	992	146.5	6720	5400	4500	5400	4910	4500
10.00-20	7.0-20	GP	X		302	1029	170.0	7550	6000	5000	6000	5455	5000
	7.5-20	GP	X		302	1029	171.0	7550	6000	5000	6000	5455	5000
	8.0-20	GP	X		302	1029	172.0	7550	6000	5000	6000	5455	5000
12.00-20	8.0-20	VP20	X		337	1098	210.0	9440	7560	6300	7560	6870	6300
	8.5-20	VP20	X		337	1098	215.0	9440	7560	6300	7560	6870	6300
	10.0-20	VP20	X		352	1098	245.0	10145	7800	6500	7800	7100	6500
355/50-20	10.00-20	FL	X	X	307	828	113.0	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	Highly recommended	Recommended	Recommended
Improved Ride Quality	Highly recommended	Highly recommended	Highly recommended
Long runs	Highly recommended	Recommended	Not recommended
Stability	Highly recommended	Recommended	Recommended
Rolling Resistance	Highly recommended	Recommended	Not recommended
Heavy Duty Cycle	Highly recommended	Highly recommended	Recommended
Heavy Loading	Highly recommended	Highly recommended	Highly recommended
Smooth/Rough Surface	Highly recommended	Recommended	Not recommended

 = recommended
 = highly recommended

RESILIENT SIZES AND DIMENSIONS

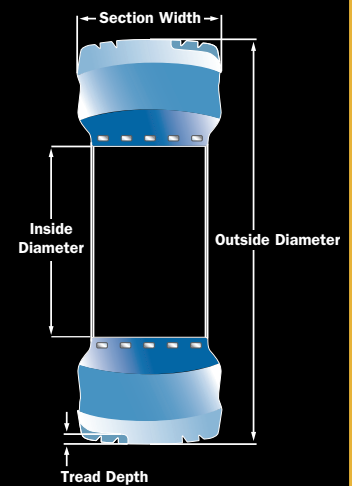
For Resilient tires there are 4 different size designations used.

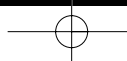
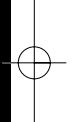
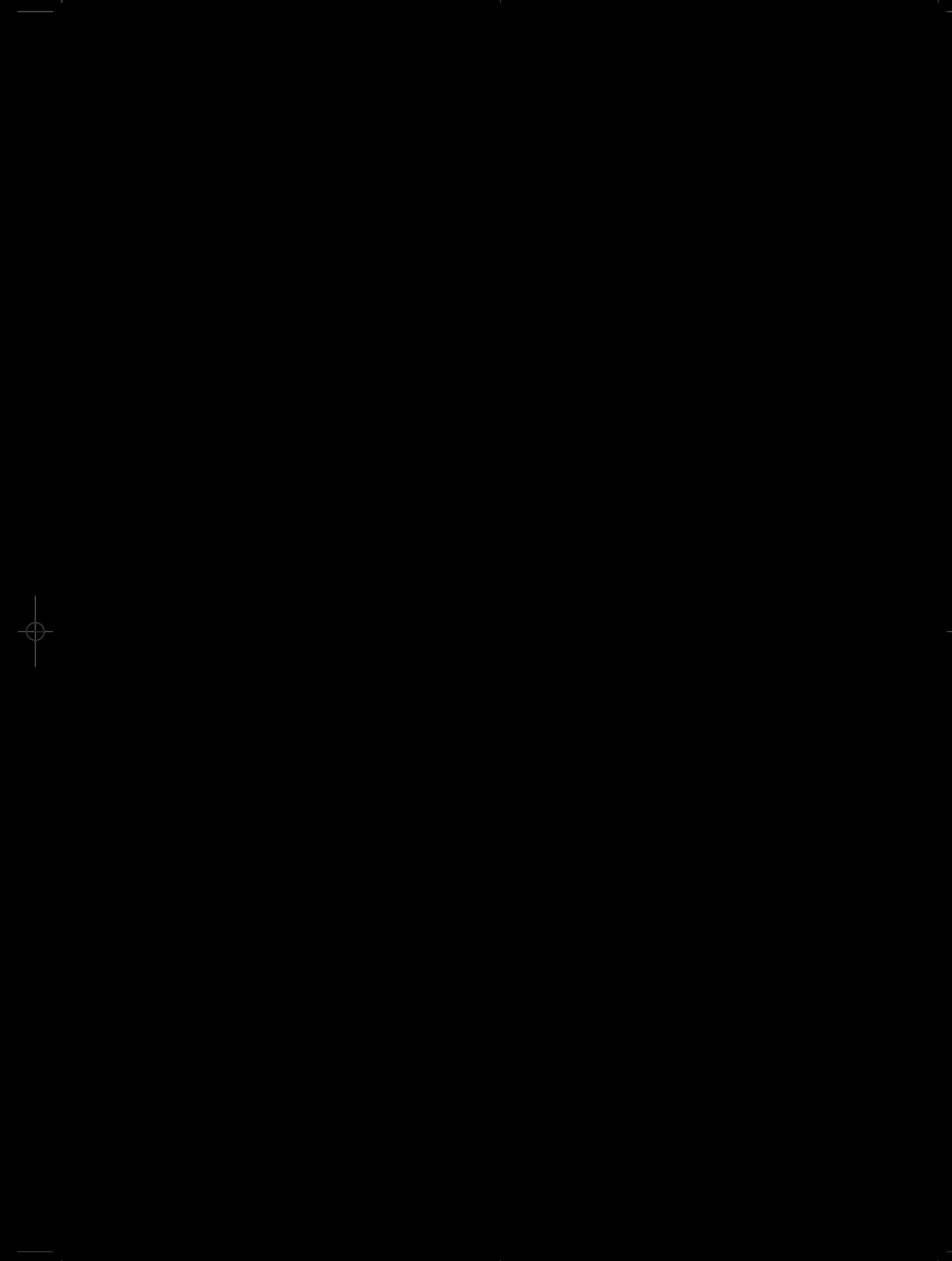
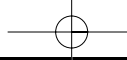
5.00	-	8
section width		nominal wheel diameter
inch		inch

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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