

AGRICULTURAL AND EM, MPT & INDUSTRIAL TYRES

Made in Europe



AGRICULTURAL AND EM, MPT & INDUSTRIAL TYRES

TECHNICAL DATABOOK

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TYRE DEALER / DISTRIBUTOR

All Cultor tyres are produced by MITAS a.s.



MITAS a.s. is fully compliant with the limits on Polycyclic Aromatic Hydrocarbons (PAHs) determined by the European Directive EC/2005/69 and REACH Regulation EC/1907/2006, since December 1st 2009.

INTRODUCTION

The extensive technical data and other information relating to tyres and accessories on the following pages has been compiled to reflect as accurately and completely as possible the current state of development. Due to changes in our product range the tyre sizes given in this guide are not always identical to our available range.

For more information, including addresses of our sales organizations, please visit www.mitas-tyres.com

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CGS HOLDING BRANDS, PRODUCTS AND SERVICES

Mitas

- Agricultural Tyres
- Motorcycle Tyres
- Truck Tyres
- EM, MPT & Industrial Tyres
- Bicycle Tyres & Tubes
- Aircraft Tyres

Cultor

- Agricultural Tyres
- Industrial Tyres

Sawa

- Rubber Compounds
- Rubber Profiles
- Moulded Products
- Conveyor Belts
- Offset Printing Blankets
- Environmental Protection & Rescue Products

Rubena

- Rubber Compounds
- Rubber Moulded Parts
- Sealing Elements
- Rubber-Coated Rollers
- Waterwalls
- V-Belts
- Rubber to Metal Products
- Air Springs and Power Elements
- Rubber Dams
- Ice Hockey Pucks

Sico Rubena

- Silicone Moulded Parts
- Silicone Profiles
- Silicone Hoses

Antikor

- Chemical vessel rubber coating

IGT

- Curing moulds and testing

LIST OF CONTENTS

List of tyre sizes	4
Radial tractor tyres	
RD-03	9
RD-02	15
RD-01	21
Conversion table – tractor radial tyres	28
Diagonal tyres	
Tractor diagonal	30
Implement Traction	38
Implement Non Traction	42
Tractor Front	46
EM, MPT and Industrial	50
Use and Maintenance	54
Liquid ballasting of tractor tyres	54, 56
Fitting and removal instructions	55
Load index and Speed Category	57
Sales organisations worldwide	58
CGS holding	60

List of tyre sizes

Inch	Tyre size	Alternative Tyre size	Tread pattern	Page
Tractor radial				
24"	280/85 R 24	(11.2R24)	RD-01	22
	320/70 R 24		RD-02	16
	320/85 R 24	(12.4R24)	RD-01	22
	340/85 R 24	(13.6R24)	RD-01	22
	360/70 R 24		RD-02	16
	380/70 R 24		RD-02	16
	380/85 R 24	(14.9R24)	RD-01	22
	420/65 R 24		RD-03	10
	420/70 R 24		RD-02	16
	420/85 R 24	(16.9R24)	RD-01	22
	440/65 R 24		RD-03	10
	480/65 R 24		RD-03	10
	540/65 R 24		RD-03	10
28"	280/85 R 28	(11.2R28)	RD-01	22
	320/85 R 28	(12.4R28)	RD-01	22
	340/85 R 28	(13.6R28)	RD-01	22
	380/70 R 28		RD-02	16
	380/85 R 28	(14.9R28)	RD-01	22
	420/70 R 28		RD-02	16
	420/85 R 28	(16.9R28)	RD-01	22
	440/65 R 28		RD-03	10
	480/65 R 28		RD-03	10
	480/70 R 28		RD-02	16
	540/65 R 28		RD-03	10
	600/65 R 28		RD-03	10
30"	380/85 R 30	(14.9R30)	RD-01	24
	420/85 R 30	(16.9R30)	RD-01	24
	460/85 R 30	(18.4R30)	RD-01	24
	480/70 R 30		RD-02	16
	540/65 R 30		RD-03	10
32"	320/85 R 32	(12.4R32)	RD-01	24
34"	380/85 R 34	(14.9R34)	RD-01	24
	420/85 R 34	(16.9R34)	RD-01	24

Inch	Tyre size	Alternative Tyre size	Tread pattern	Page
	420/85 R 34	(16.9R34)	RD-01	24
	460/85 R 34	(18.4R34)	RD-01	24
	480/70 R 34		RD-02	16
	520/70 R 34		RD-02	16
	540/65 R 34		RD-03	12
	600/65 R 34		RD-03	12
36"	340/85 R 36	(13.6R36)	RD-01	24
38"	340/85 R 38	(13.6R38)	RD-01	24
	380/80 R 38		RD-01	26
	420/85 R 38	(16.9R38)	RD-01	26
	460/85 R 38	(18.4R38)	RD-01	26
	480/70 R 38		RD-02	18
	520/70 R 38		RD-02	18
	520/85 R 38	(20.8R38)	RD-01	26
	540/65 R 38		RD-03	12
	580/70 R 38		RD-02	18
	600/65 R 38		RD-03	12
	650/65 R 38		RD-03	12
	650/65 R 38		RD-03	12
	710/70 R 38		RD-03	12
42"	480/80 R 42		RD-01	26
	520/85 R 42	(20.8R42)	RD-01	26
	650/65 R 42		RD-03	12
46"	480/80 R 46		RD-01	26
50"	480/80 R 50		RD-01	26

Inch	Tyre size	Tread pattern	Page
Tractor diagonal			
20"	8.00-20	AS-Agri 06	32
24"	8.3-24	AS-Agri 13	32
	9.5-24	AS-Agri 10	32
	9.5-24	AS-Agri 19	32
	11.2-24	AS-Agri 19	32
	11.2-24	AS-Agri 10	32
	11.2-24	AS-Agri 19	32
	12.4-24	AS-Agri 06	32
	12.4-24	AS-Agri 19	32
	12.4-24	AS-Agri 06	32
	12.4-24	AS-Agri 19	32
	13.6-24	AS-Agri 13	32
	14.9-24	AS-Agri 08	32
	14.9-24	AS-Agri 19	32
	16.9-24	AS-Agri 13	32
26"	14.9-26	AS-Agri 10	32
	16.9-26	AS-Agri 10	32
	18.4-26	AS-Agri 19	34
	23.1-26	AS-Agri 07	34
28"	8.3-28	AS-Agri 10	34
	11.2-28	AS-Agri 10	34
	11.2-28	AS-Agri 19	34
	12.4-28	AS-Agri 19	34
	12.4-28	AS-Agri 20	34
	12.4-28	AS-Agri 19	34
	13.6-28	AS-Agri 19	34
	14.9-28	AS-Agri 19	34
	14.9-28	AS-Agri 20	34
	16.9-28	AS-Agri 13	34
30"	14.9-30	AS-Agri 10	34
	14.9-30	AS-Agri 10	34
	16.9-30	AS-Agri 13	34

Inch	Tyre size	Tread pattern	Page
	18.4-30	AS-Agri 13	34
32"	8.3-32	AS-Agri 10	36
	9.5-32	AS-Agri 13	36
	12.4-32	AS-Agri 13	36
34"	16.9-34	AS-Agri 10	36
	18.4-34	AS-Agri 19	36
	18.4-34	AS-Agri 10	36
36"	8.3-36	AS-Agri 10	36
	9.5-36	AS-Agri 10	36
	12.4-36	AS-Agri 13	36
	13.6-36	AS-Agri 10	36
	13.6-36	AS-Agri 13	36
38"	13.6-38	AS-Agri 13	36
	14.9-38	AS-Agri 15	36
	15.5-38	AS-Agri 15	36
	16.9-38	AS-Agri 13	36
	18.4-38	AS-Agri 19	36

List of tyre sizes

Inch	Tyre size	Tread pattern	Page
Implement			
12"	10.0/80-12	AW-Impl 04	44
	10.0/80-12	AW-Impl 11	44
15"	8.25-15	AW-Impl 12	44
15.3"	10.0/75-15.3	AS-Impl 02	40
	10.0/75-15.3	AS-Impl 03	40
	10.0/75-15.3	AW-Impl 11	44
	10.0/75-15.3	AW-Impl 04	44
	11.5/80-15.3	AS-Impl 03	40
	11.5/80-15.3	AW-Impl 04	44
	11.5/80-15.3	AW-Impl 11	44
	12.5/80-15.3	AW-Impl 04	44
15.5"	400/60-15.5	AW-Impl 07	44
	400/60-15.5	AS-Impl 08	40
16"	7.50-16	AW-Impl 11	44
	7.50-16	AW-Impl 11	44
17"	15.0/55-17	AS-Impl 01	40
	500/50-17	AW-Impl 07	44
18"	12.0/75-18	AS-Impl 03	40
	12.5/80-18	AW-Impl 04	44
	13.0/65-18	AW-Impl 04	44
	13.0/65-18	AW-Impl 11	44
	14.5/80-18	AW-Impl 03	44
22.5"	500/60-22.5	AS-Impl 08	40
	500/60-22.5	AW-Impl 09	44
	550/60-22.5	AS-Impl 08	40
	550/60-22.5	AW-Impl 09	44
24"	9.00-24	AW-Impl 13	44

Inch	Tyre size	Tread pattern	Page
Tractor front			
16"	5.50-16	AS-Front 04	48
	5.50-16	AS-Front 06	48
	6.00-16	AS-Front 04	48
	6.00-16	AS-Front 06	48
	6.00-16	AS-Front 07	48
	6.00-16	AS-Front 08P	48
	6.00-16	AS-Front 09	48
	6.00-16	AS-Front 13	48
	6.50-16	AS-Front 08	48
	7.50-16	AS-Front 06	48
	7.50-16	AS-Front 08	48
	7.50-16	AS-Front 10	48
	7.50-16	AS-Front 13	48
	10.00-16	AS-Front 10	48
19"	6.00-19	AS-Front 10	48
20"	7.50-20	AS-Front 08	48
	7.50-20	AS-Front 10	48

Inch	Tyre size	Tread pattern	Page
EM, MPT and Industrial			
16.5"	10-16.5	SKID STEER 20	52
	10-16.5	SKID STEER 30	52
	10-16.5	SKID STEER 50	52
	12-16.5	SKID STEER 20	52
	12-16.5	SKID STEER 30	52
	12-16.5	SKID STEER 50	52
18"	10.5/80-18	SKID STEER 30	52
	12.5/80-18	SKID STEER 30	52
19.5"	15-19.5	INDUSTRIAL 10	52
20"	12.5-20	MPT-30	52
	16.0/70-20	AGRO-INDUSTRIAL 20	52
	16.0/70-20	INDUSTRIAL 30	52
24"	13.00-24	EARTHMOVER 20	52
	14.00-24	EARTHMOVER 10	52
	16.9-24	INDUSTRIAL 40	52
	17.5L-24	INDUSTRIAL 10	52
	17.5L-24	AGRO-INDUSTRIAL 10	52
26"	18.4-26	INDUSTRIAL 10	52
	18.4-26	AGRO-INDUSTRIAL 10	52
	18.4-26	AGRO-INDUSTRIAL 10	52
	23.1-26	INDUSTRIAL 50	52
28"	16.9-28	INDUSTRIAL 20	52
	16.9-28	INDUSTRIAL 40	52
30"	16.9-30	INDUSTRIAL 10	52



RD-03

New generation of tractor tyre for gentle ground handling and higher load capacity

- Reduced soil compaction thanks to large ground contact area and optimal pressure distribution
- Up to 40% higher tension force compared with standard tyres
- High load capacity due to the wide design and the large volume of air
- Outstanding grip and tractive force ensure less slip and much lower fuel consumption
- Maximum speed of 65 km/h on roads, high driving comfort and easy handling



Tractor radial tyre – 65 Series

RD-03

TECHNICAL DATA

Tyre size	Service description LI/SS	Rim (permitted)	Section width (mm)	Overall diameter (mm)	Loaded static radius (mm)	Rolling circumference (mm)	Speed radius index	
420/65 R 24	126 D (129 A8)	W 13 L W 12 W 11	420 410 400	1 147	515	3 425	550	
440/65 R 24	128 D (131 A8)	W 14 L W 13 W 12	448 438 428	1 190	535	3 560	575	
480/65 R 24	133 D (136 A8)	W 15 L W 14 L W 13	485 475 465	1 239	545	3 670	600	
540/65 R 24	140 D (143 A8)	W 16 L W 18 L W 15 L	527 547 517	1 300	572	3 839	625	
440/65 R 28	131 D (134 A8)	W 14L W 13 W 12	445 435 425	1 295	588	3 882	625	
480/65 R 28	136 D (139 A8)	W 15 L W 14 L W 13	478 468 458	1 345	611	4 034	650	
540/65 R 28	142 D (145 A8)	W 16 L W 18 L W 15 L	520 540 510	1 402	622	4 150	675	
600/65 R 28	147 D (150 A8)	W 18 L DW 18 L W 16 L	597 597 577	1 475	640	4 340	700	
540/65 R 30	150 D (153 A8)	W 16 L W 18 L W 15 L	532 552 522	1 484	667	4 427	700	

RD-03



	Tyre load capacity (kg) at tyre pressure (bar)										Speed (km/h)	
	0.4	0.6	0.8	1.0	1.2	1.4	1.6	2.0	2.4	3.0		
				1 305	1 425	1 565	1 700					65
			1 235	1 370	1 495	1 645	1 785					50
		1 130	1 285	1 430	1 560	1 715	1 850					40
		1 190	1 350	1 500	1 640	1 800	1 955					30
1 240	1 450	1 645	1 825	1 995	2 190	2 380		2 790				10
			1 400	1 530	1 670	1 800						65
			1 325	1 470	1 610	1 750	1 890					50
		1 215	1 380	1 535	1 675	1 830	1 950					40
		1 280	1 450	1 610	1 760	1 920	2 070					30
1 330	1 555	1 765	1 960	2 145	2 335	2 520		2 955				10
			1 605	1 755	1 910	2 060						65
			1 515	1 685	1 840	2 005	2 165					50
		1 395	1 580	1 755	1 920	2 090	2 240					40
		1 465	1 660	1 845	2 015	2 195	2 370					30
1 525	1 780	2 020	2 245	2 455	2 675	2 885		3 385				10
			1 930	2 110	2 310	2 500						65
			1 825	2 025	2 215	2 425	2 625					50
		1 675	1 900	2 115	2 310	2 525	2 725					40
		1 760	1 995	2 220	2 425	2 655	2 875					30
1 835	2 140	2 430	2 700	2 950	3 230	3 500		4 105				10
			1 505	1 645	1 800	1 950						65
			1 425	1 580	1 725	1 890	2 050					50
		1 305	1 485	1 650	1 800	1 970	2 120					40
		1 375	1 560	1 730	1 890	2 070	2 245					30
1 430	1 670	1 895	2 110	2 305	2 520	2 730		3 205				10
			1 720	1 880	2 060	2 240						65
			1 625	1 805	1 975	2 165	2 350					50
		1 495	1 695	1 885	2 060	2 260	2 430					40
		1 570	1 780	1 980	2 160	2 370	2 575					30
1 635	1 910	2 165	2 410	2 630	2 885	3 135		3 680				10
			2 065	2 255	2 455	2 650						65
			1 950	2 165	2 365	2 580	2 785					50
		1 790	2 035	2 260	2 470	2 690	2 900					40
		1 880	2 135	2 375	2 595	2 825	3 050					30
1 960	2 290	2 600	2 890	3 155	3 440	3 710		4 355				10
			2 430	2 660	2 875	3 075						65
			2 555	2 790	3 020	3 230						50
		2 110	2 395	2 665	2 910	3 145	3 350					40
		2 220	2 515	2 795	3 055	3 305	3 535					30
2 310	2 700	3 065	3 405	3 720	4 025	4 305		5 050				10
			2 130	2 325	2 545	2 760	3 080	3 350				65
			2 235	2 440	2 675	2 895	3 235	3 520				50
		1 850	2 100	2 330	2 545	2 790	3 020	3 375	3 650			40
		1 940	2 205	2 450	2 675	2 930	3 175	3 545	3 855			30
2 020	2 365	2 680	2 980	3 255	3 565	3 865	4 315	4 690		5 500		10

Tractor radial tyre – 65 Series

RD-03

TECHNICAL DATA

Tyre size	Service description L/SS	Rim (permitted)	Section width (mm)	Overall diameter (mm)	Loaded static radius (mm)	Rolling circumference (mm)	Speed radius index	
540/65 R 34	145 D (148 A8)	W 16 L	523	1 579	710	4 710	750	
		W 18 L	543					
		W 15 L	513					
600/65 R 34	151 D (154 A8)	W 18 L	587	1 632	725	4 850	775	
		DW 18 L	587					
		W 16 L	570					
540/65 R 38	147 D (150 A8)	W 16 L	522	1 681	752	5 003	800	
		W 18 L	542					
		W 15 L	512					
600/65 R 38	153 D (156 A8)	W 18 L	588	1 742	781	5 212	825	
		DW 18 L	588					
		W 16 L	568					
650/65 R 38	157 D (160 A8)	W 18 L	626	1 829	809	5 410	875	
		DW 20 B	646					
650/65 R 38	166 D (169 A8)	W 18 L	626	1 829	809	5 410	875	
		DW 20 B	646					
710/70 R 38	166 D (169 A8)	DW 23 B	703	1 922	848	5 693	925	
650/65 R 42	165 D (168 A8)	DW 20 B	635	1 926	868	5 767	925	
		DW 18L	615					

Load values given for 0.6 bar at 40 km/h are for calculating dual and triple load values only.
 30 km/h (up to 40 km/h) load values also apply for low-speed high-torque field work.
 For plowing with single driven tyres in the furrow, a minimum inflation pressure of 0.8 bar is required.

RD-03



	Tyre load capacity (kg) at tyre pressure (bar)										Speed (km/h)	
	0.4	0.6	0.8	1.0	1.2	1.4	1.6	2.0	2.4	3.0		
				2 255	2 465	2 690	2 900					65
			2 130	2 370	2 590	2 820	3 045					50
		1 960	2 225	2 470	2 700	2 945	3 150					40
		2 055	2 335	2 595	2 835	3 090	3 335					30
2 145		2 505	2 845	3 160	3 450	3 765	4 060	4 765				10
				2 650	2 900	3 180	3 450					65
			2 505	2 785	3 045	3 335	3 625					50
		2 300	2 615	2 905	3 175	3 480	3 780					40
		2 420	2 745	3 050	3 330	3 655	3 970					30
2 520		2 945	3 340	3 710	4 055	4 450	4 830	5 665				10
				2 380	2 600	2 845	3 075					65
			2 250	2 500	2 730	2 985	3 230					50
		2 065	2 345	2 605	2 850	3 115	3 350					40
		2 170	2 465	2 765	2 990	3 270	3 535					30
2 260		2 640	3 000	3 330	3 640	3 980	4 305	5 050				10
				2 795	3 050	3 355	3 650					65
			2 640	2 935	3 205	3 525	3 835					50
		2 425	2 755	3 060	3 340	3 675	4 000					40
		2 545	2 890	3 210	3 510	3 860	4 200					30
2 655		3 100	3 520	3 910	4 275	4 695	5 110	5 995				10
				3 155	3 450	3 790	4 125					65
			2 985	3 315	3 625	3 980	4 330					50
		2 740	3 110	3 455	3 780	4 150	4 500					40
		2 880	3 270	3 630	3 970	4 360	4 745					30
3 000		3 505	3 980	4 420	4 830	5 310	5 775	6 775				10
				3 155	3 450	3 790	4 125					65
			2 985	3 315	3 625	3 980	4 330	4 530	4 875	5 300		50
		2 740	3 110	3 455	3 780	4 150	4 500	4 760	5 120	5 565		40
		2 880	3 270	3 630	3 970	4 360	4 745	4 960	5 300	5 800		30
3 000		3 505	3 980	4 420	4 830	5 310	5 775	6 345	6 825	7 420		10
				3 975	4 345	4 825	5 300					65
			3 755	4 175	4 565	5 065	5 565					50
		3 445	3 915	4 350	4 760	5 280	5 800					40
		3 620	4 110	4 570	5 000	5 550	6 095					30
3 765		4 405	5 005	5 565	6 085	6 755	7 420	8 705				10
				3 310	3 615	3 960	4 290	4 765	5 150			65
			3 125	3 475	3 795	4 155	4 505	5 005	5 410			50
		2 875	3 260	3 625	3 960	4 335	4 700	5 220	5 600			40
		3 015	3 425	3 805	4 160	4 555	4 935	5 480	5 925			30
3 145		3 675	4 170	4 635	5 065	5 545	6 005	6 675	7 210	8 460		10

For intensive road transport at 65/50/40/30 km/h the pressure must be increased by 0.4 bar. Maximum inflation pressure should never be exceeded. All load values are valid for ground slopes up to and including 20% (11°). When operating on slopes greater than 20%, please, contact the producer. Tubeless tyres – may be used with a tube.



RD-02

70 series tyres for high power in the field and comfort on the road

- Reduced ground compression thanks to a larger ground contact area
- Excellent transmission of power due to greater grip and traction
- High load capacity with stable and safe handling on the road
- Improved driving comfort due to flexible sidewalls
- Longer service life coupled with reduced fuel consumption for low operational costs



Tractor radial tyre – 70 Series

RD-02

TECHNICAL DATA

Tyre size	Service description L/SS	Rim (permitted)	Section width (mm)	Overall diameter (mm)	Loaded static radius (mm)	Rolling circumference (mm)	Speed radius index	
320/70 R 24 *	116A8 (116B)	W 10 W 11 W 9	320 330 310	1 095	505	3 276	525	
360/70 R 24 *	122A8 (122B)	W 11 W 12 W 10	360 370 350	1 150	516	3 426	550	
380/70 R 24	125 A8 (125 B)	W 12 W 13 W 11	372 382 362	1 190	530	3 542	575	
420/70 R 24 *	130A8 (130B)	W 13 W 14 L W 12	433 443 423	1 260	563	3 715	600	
380/70 R 28	127 A8 (127 B)	W 12 W 13 W 11	389 399 379	1 298	588	3 866	625	
420/70 R 28	133 A8 (133 B)	W 13 W 14 L W 12	422 432 412	1 342	607	4 015	650	
480/70 R 28	140 A8 (140 B)	W 15 L W 16 L W 14 L	486 496 476	1 414	623	4 190	675	
480/70 R 30	141 A8 (141 B)	W 15 L W 16 L W 14 L	494 504 484	1 479	655	4 390	700	
480/70 R 34	143 A8 (143 B)	W 15 L W 16 L W 14 L	487 497 497	1 584	708	4 710	750	
520/70 R 34 *	148A8 (148B)	W 16 L W 18 L W 15 L	523 543 513	1 644	734	4 927	775	

RD 02



	Tyre load capacity (kg) at tyre pressure (bar)							Speed (km/h)
	0.6	0.8	1.0	1.2	1.4	1.6	2.0	
			1 020	1 110	1 190	1 250		50
		930	1 020	1 110	1 190	1 250		40
	885	995	1 095	1 185	1 270	1 340		30
	1 075	1 210	1 330	1 440	1 545	1 625	1 875	10
			1 220	1 325	1 420	1 500		50
		1 110	1 220	1 325	1 420	1 500		40
	1 055	1 185	1 305	1 415	1 520	1 605		30
	1 285	1 440	1 590	1 720	1 850	1 950	2 250	10
			1 330	1 440	1 540	1 650		50
		1 205	1 330	1 440	1 540	1 650		40
	1 150	1 290	1 420	1 540	1 650	1 765		30
	1 395	1 570	1 725	1 870	2 010	2 145	2 475	10
			1 550	1 680	1 800	1 900		50
		1 410	1 550	1 680	1 800	1 900		40
	1 340	1 505	1 660	1 800	1 930	2 030		30
	1 630	1 830	2 015	2 180	2 340	2 470	2 850	10
			1 430	1 550	1 660	1 750		50
		1 300	1 430	1 550	1 660	1 750		40
	1 235	1 390	1 530	1 660	1 775	1 875		30
	1 500	1 690	1 855	2 010	2 160	2 275	2 625	10
			1 660	1 800	1 930	2 060		50
		1 510	1 660	1 800	1 930	2 060		40
	1 440	1 620	1 780	1 930	2 070	2 200		30
	1 750	1 965	2 160	2 345	2 515	2 680	3 090	10
			2 040	2 215	2 375	2 500		50
		1 855	2 040	2 215	2 375	2 500		40
	1 770	1 985	2 185	2 370	2 540	2 680		30
	2 150	2 410	2 655	2 880	3 090	3 250	3 750	10
			2 060	2 240	2 420	2 575		50
		1 880	2 060	2 240	2 420	2 575		40
	1 820	2 010	2 200	2 400	2 590	2 760		30
	2 220	2 450	2 680	2 910	3 150	3 350	3 860	10
			2 235	2 425	2 600	2 725		50
		2 030	2 235	2 425	2 600	2 725		40
	1 935	2 170	2 390	2 595	2 780	2 915		30
	2 350	2 640	2 905	3 150	3 380	3 545	4 090	10
			2 525	2 740	2 935	3 150		50
		2 295	2 525	2 740	2 935	3 150		40
	2 185	2 455	2 700	2 930	3 140	3 370		30
	2 655	2 980	3 285	3 560	3 820	4 095	4 725	10

Tractor radial tyre – 70 Series

RD-02

TECHNICAL DATA

Tyre size	Service description L/SS	Rim (permitted)	Section width (mm)	Overall diameter (mm)	Loaded static radius (mm)	Rolling circumference (mm)	Speed radius index	
480/70 R 38	145 A8 (145 B)	W 15 L W 16 L W 14 L	484 494 474	1 687	765	5 060	800	
520/70 R 38	150 A8 (150 B)	W 16 L W 18 L W 15 L	524 544 514	1 761	787	5 238	825	
580/70 R 38 *	155A8 (155B)	W 18 L	570	1 829	819	5 442	875	

* Calculated / In preparation

30 km/h (up to 40 km/h) load values also apply for low-speed high-torque field work.

For plowing with single driven tyres in the furrow, a minimum inflation pressure of 0.8 bar is required.

For intensive road transport at 50/40/30 km/h the pressure must be increased by 0.4 bar. Maximum inflation pressure should never be exceeded.

All load values are valid for ground slopes up to and including 20% (11°). When operating on slopes greater than 20%, please, contact the producer.

Tubeless tyres – may be used with a tube.

RD 02



	Tyre load capacity (kg) at tyre pressure (bar)							Speed (km/h)
	0.6	0.8	1.0	1.2	1.4	1.6	2.0	
			2 360	2 560	2 745	2 900		50
		2 145	2 360	2 560	2 745	2 900		40
2 045		2 290	2 525	2 740	2 935	3 100		30
2 480		2 790	3 070	3 330	3 570	3 770	4 350	10
			2 600	2 830	3 060	3 350		50
		2 380	2 600	2 830	3 060	3 350		40
2 300		2 550	2 780	3 030	3 270	3 590		30
2 800		3 090	3 380	3 680	3 980	4 360	5 030	10
			3 145	3 410	3 655	3 875		50
		2 855	3 145	3 410	3 655	3 875		40
2 720		3 060	3 365	3 650	3 915	4 145		30
3 310		3 715	4 090	4 435	4 755	5 040	5 815	10



RD-01

All-round standard tyres
for a wide range of applications

- Balanced combination of features for various agricultural applications
- Very good grip and traction with much less slip
- Long service life thanks to the wear-resistant tread compound
- Large ground contact patch and lower operating pressure for less soil compaction



Tractor radial tyre – 85 Series

RD-01

TECHNICAL DATA

Tyre size	Service description L/SS	Rim (permitted)	Section width (mm)	Overall diameter (mm)	Loaded static radius (mm)	Rolling circumference (mm)	Speed radius index	
280/85 R 24 (11.2R24)	115A8 (112B)	W 9 W 10	290 300	1 105	498	3 300	525	
320/85 R 24 (12.4R24)	122A8 (119B)	W 11 W 9 W 10	340 320 330	1 152	510	3 420	550	
340/85 R 24 (13.6R24)	125A8 (122B)	W 12 W 11	365 355	1 186	530	3 530	575	
380/85 R 24 (14.9R24)	131A8 (128B)	W 12 W 13 W 11	402 412 392	1 245	555	3 700	600	
420/85 R 24 (16.9R24)	137A8 (137B)	W 15 W 14 W 13	470 460 450	1 318	576	3 895	625	
280/85 R 28 (11.2R28)	118A8 (115B)	W 9 W 10	288 298	1 190	551	3 582	575	
320/85 R 28 (12.4R28)	124A8 (121B)	W 11 W 10 W 9	332 322 312	1 259	562	3 753	600	
340/85 R 28 (13.6R28)	127A8 (124B)	W 12 W 11	367 357	1 293	580	3 850	625	
380/85 R 28 (14.9R28)	133A8 (130B)	W 12 W 13 W 11	395 405 385	1 350	596	4 005	650	
420/85 R 28 (16.9R28)	139A8 (136B)	W 15 W 14 W 13	449 439 429	1 428	635	4 215	675	

RD 01



Tyre load capacity (kg) at tyre pressure (bar)												Speed (km/h)
0.6	0.8	1.0	1.2	1.4	1.6	2.0	2.4	3.0	4.0	4.4		
		890	970	1 040	1 120						50	
	890	980	1 070	1 140	1 215						40	
850	960	1 050	1 140	1 220	1 300						30	
1 030	1 160	1 280	1 390	1 490	1 580	1 825					10	
		1 100	1 190	1 275	1 360						50	
	1 095	1 205	1 305	1 400	1 500						40	
1 045	1 175	1 290	1 400	1 500	1 605						30	
1 270	1 425	1 570	1 700	1 825	1 950	2 250					10	
		1 205	1 305	1 400	1 500						50	
	1 205	1 325	1 435	1 540	1 650						40	
1 145	1 290	1 420	1 535	1 650	1 765						30	
1 395	1 565	1 720	1 870	2 005	2 145	2 475					10	
		1 430	1 555	1 665	1 800						50	
	1 430	1 575	1 710	1 830	1 950						40	
1 365	1 530	1 685	1 830	1 960	2 090						30	
1 660	1 860	2 050	2 220	2 380	2 535	2 925					10	
		1 845	2 000	2 145	2 300						50	
	1 675	1 845	2 000	2 145	2 300						40	
1 595	1 795	1 970	2 140	2 295	2 460						30	
1 940	2 175	2 395	2 600	2 790	2 990	3 450					10	
		965	1 045	1 125	1 215						50	
	965	1 060	1 150	1 235	1 320						40	
920	1 030	1 135	1 230	1 320	1 410						30	
1 120	1 255	1 380	1 495	1 605	1 715	1 980					10	
		1 180	1 280	1 370	1 450						50	
	1 180	1 295	1 405	1 510	1 600						40	
1 125	1 260	1 385	1 505	1 615	1 710						30	
1 365	1 530	1 685	1 830	1 960	2 080	2 400					10	
		1 295	1 400	1 505	1 600						50	
	1 295	1 425	1 540	1 655	1 750						40	
1 230	1 380	1 520	1 650	1 770	1 875						30	
1 500	1 680	1 850	2 005	2 150	2 275	2 625					10	
		1 535	1 665	1 785	1 900						50	
	1 535	1 690	1 830	1 965	2 060						40	
1 460	1 640	1 800	1 960	2 100	2 205						30	
1 775	1 995	2 195	2 380	2 550	2 680	3 090					10	
		1 790	1 945	2 085	2 240						50	
	1 790	1 970	2 135	2 290	2 430						40	
1 705	1 915	2 110	2 290	2 450	2 600						30	
2 070	2 325	2 560	2 780	2 980	3 160	3 645					10	

Tractor radial tyre – 85 Series

RD-01

TECHNICAL DATA

Tyre size	Service description L/SS	Rim (permitted)	Section width (mm)	Overall diameter (mm)	Loaded static radius (mm)	Rolling circumference (mm)	Speed radius index	
380/85 R 30 (14.9R30)	135A8 (135B)	W 12 W 13 W 11	398 408 388	1 415	635	4 225	675	
420/85 R 30 (16.9R30)	140A8 (137B)	W 15 W 14 W 13	444 434 424	1 475	670	4 400	700	
460/85 R 30 (18.4R30)	145A8 (142B)	W 16 W 15 W 14	490 480 470	1 540	685	4 582	725	
320/85 R 32 (12.4R32)	142A8 (142B)	W 9 W 11 W 10	305 325 315	1 385	637	4 130	650	
380/85 R 34 * (14.9R34)	146A8 (146B)	W 12 W 13 W 11	401 411 391	1 538	699	4 577	725	
420/85 R 34 (16.9R34)	142A8 (139B)	W 15 W 14 W 13	443 433 423	1 571	712	4 715	750	
420/85 R 34 * (16.9R34)	147A8 (147B)	W 15 W 14 W 13	469 459 449	1 593	722	4 755	750	
460/85 R 34 (18.4R34)	147A8 (144B)	W 16 W 15 W 14	488 478 468	1 624	727	4 847	775	
340/85 R 36 (13.6R36)	132A8 (129B)	W 12 W 11	365 355	1 493	682	4 500	725	
340/85 R 38 (13.6R38)	133A8 (133B)	W 12 W 11	365 355	1 556	701	4 658	750	

RD 01



Tyre load capacity (kg) at tyre pressure (bar)												Speed (km/h)
0.6	0.8	1.0	1.2	1.4	1.6	2.0	2.4	3.0	4.0	4.4		
		1 740	1 890	2 025	2 180						50	
		1 585	1 740	1 890	2 025	2 180					40	
1 510	1 695	1 865	2 020	2 170	2 335						30	
1 835	2 060	2 265	2 460	2 635	2 835	3 270					10	
		1 850	2 005	2 150	2 300						50	
	1 845	2 030	2 205	2 365	2 500						40	
1 760	1 975	2 175	2 360	2 530	2 675						30	
2 140	2 400	2 640	2 865	3 075	3 250	3 750					10	
		2 130	2 310	2 475	2 650						50	
	2 130	2 340	2 540	2 720	2 900						40	
2 030	2 280	2 510	2 720	2 910	3 100						30	
2 460	2 760	3 040	3 300	3 540	3 770	4 350					10	
		1 400	1 555	1 710	1 880	2 000	2 280	2 650			50	
	1 150	1 400	1 555	1 710	1 880	2 000	2 280	2 650			40	
	1 235	1 370	1 500	1 665	1 830	2 010	2 140	2 440	2 835		30	
	1 615	1 795	1 960	2 180	2 395	2 630	2 800	3 710	3 875		10	
		1 680	2 005	2 150	2 290	2 535	3 000				50	
	1 680	1 850	2 005	2 150	2 290	2 535	3 000				40	
1 600	1 800	1 980	2 145	2 300	2 450	2 710	3 210				30	
1 945	2 185	2 405	2 610	2 795	2 970	3 295	3 900	4 500			10	
		1 960	2 125	2 280	2 430						50	
	1 955	2 155	2 335	2 505	2 650						40	
1 865	2 095	2 305	2 500	2 680	2 835						30	
2 265	2 545	2 800	3 035	3 255	3 445	3 975					10	
		2 155	2 335	2 505	2 650	2 905	3 075				50	
	1 955	2 155	2 335	2 505	2 650	2 905	3 075				40	
1 865	2 095	2 305	2 500	2 680	2 835	3 110	3 290				30	
2 265	2 545	2 800	3 035	3 255	3 445	3 775	4 000	4 350			10	
		2 250	2 445	2 620	2 800						50	
	2 250	2 475	2 685	2 880	3 075						40	
2 145	2 405	2 650	2 875	3 080	3 290						30	
2 605	2 925	3 220	3 490	3 745	4 000	4 615					10	
		1 335	1 465	1 585	1 710	1 850					50	
	1 465	1 610	1 745	1 880	2 000						40	
1 395	1 570	1 725	1 865	2 010	2 140						30	
1 695	1 905	2 095	2 265	2 440	2 600	3 000					10	
		1 655	1 795	1 925	2 060						50	
	1 500	1 655	1 795	1 925	2 060						40	
1 430	1 605	1 770	1 920	2 060	2 205						30	
1 740	1 955	2 150	2 335	2 500	2 680	3 090					10	

Tractor radial tyre – 85 Series

RD-01

TECHNICAL DATA

Tyre size	Service description L/SS	Rim (permitted)	Section width (mm)	Overall diameter (mm)	Loaded static radius (mm)	Rolling circumference (mm)	Speed radius index	
380/80 R 38 *	142 A8 (142B)	W 12 W 11 W 13	380 370 390	1 590	730	4 790	750	
420/85 R 38 (16.9R38)	144A8 (141B)	W 15 W 14 W 13	446 436 426	1 675	764	5 020	800	
460/85 R 38 (18.4R38)	149A8 (146B)	W 16 W 15 W 14	473 463 453	1 735	793	5 230	825	
520/85 R 38 (20.8R38)	155A8 (152B)	W 16 W 18	536 556	1 828	814	5 442	875	
480/80 R 42 *	151A8 (151B)	W 16 W 15 W 14	513 503 495	1 850	835	5 540	875	
520/85 R 42 (20.8R42)	162A8 (162B)	W 16 W 18	537 557	1 950	891	5 845	925	
480/80 R 46 *	158A8 (158B)	W 16 W 15 W 14	507 497 487	1 960	896	5 886	925	
480/80 R 50 *	159 A8 (159B)	W 16 W 15 W 14	495 485 475	2 065	945	6 210	975	

* Calculated / In preparation

30 km/h (up to 40 km/h) load values also apply for low-speed high-torque field work.

For plowing with single driven tyres in the furrow, a minimum inflation pressure of 0.8 bar is required.

For intensive road transport at 50/40/30 km/h the pressure must be increased by 0.4 bar. Maximum inflation pressure should never be exceeded.

All load values are valid for ground slopes up to and including 20% (11°). When operating on slopes greater than 20%, please, contact the producer.

Tubeless tyres – may be used with a tube.

RD 01



Tyre load capacity (kg) at tyre pressure (bar)												Speed (km/h)
0.6	0.8	1.0	1.2	1.4	1.6	2.0	24	3.0	4.0	4.4		
		1 720	1 880	2 090	2 300	2 505	2 650				50	
	1 545	1 720	1 880	2 090	2 300	2 505	2 650				40	
1 455	1 655	1 840	2 010	2 235	2 460	2 680	2 835				30	
1 770	2 010	2 235	2 440	2 715	2 990	3 255	3 445	3 900			10	
		2 070	2 240	2 400	2 575						50	
	2 065	2 270	2 465	2 640	2 800						40	
1 965	2 210	2 430	2 635	2 830	3 000						30	
2 390	2 685	2 955	3 205	3 435	3 640	4 200					10	
		2 370	2 575	2 760	3 000						50	
	2 370	2 605	2 830	3 030	3 250						40	
2 255	2 535	2 790	3 030	3 245	3 480						30	
2 745	3 080	3 390	3 680	3 945	4 225	4 875					10	
		2 865	3 105	3 330	3 550						50	
	2 860	3 150	3 415	3 660	3 875						40	
2 725	3 060	3 370	3 655	3 920	4 145						30	
3 310	3 720	4 090	4 440	4 760	5 040	5 815					10	
		2 565	2 805	3 125	3 450						50	
	2 305	2 565	2 805	3 125	3 450						40	
2 170	2 465	2 745	3 000	3 345	3 690						30	
2 840	3 230	3 590	3 925	4 375	4 830	5 175					10	
		3 300	3 575	3 840	4 075	4 520	4 750				50	
	2 995	3 300	3 575	3 840	4 075	4 520	4 750				40	
2 860	3 205	3 530	3 825	4 100	4 360	4 835	5 085				30	
3 470	3 895	4 285	4 650	4 990	5 300	5 875	6 175	7 125			10	
		2 685	2 935	3 245	3 550	3 960	4 250				50	
	2 410	2 685	2 935	3 245	3 550	3 960	4 250				40	
2 270	2 580	2 870	3 140	3 470	3 800	4 240	4 550				30	
2 760	3 135	3 485	3 815	4 215	4 615	5 545	5 950	6 300			10	
		2 800	3 060	3 405	3 750	4 105	4 375				50	
	2 515	2 800	3 060	3 405	3 750	4 105	4 375				40	
2 370	2 695	2 995	3 275	3 645	3 830	4 395	4 680				30	
3 100	3 525	3 920	4 285	4 765	5 010	5 750	6 125	6 565			10	

Conversion table

Ø rim	Standard inch	Designation in millimeters	
		85 Series	80 Series
24"	11.2 R 24	280/85 R 24 RD-01	
	12.4 R 24	320/85 R 24 RD-01	
	13.6 R 24	340/85 R 24 RD-01	
	14.9 R 24	380/85 R 24 RD-01	
	16.9 R 24	420/85 R 24 RD-01	
28"	11.2 R 28	280/85 R 28 RD-01	
	12.4 R 28	320/85 R 28 RD-01	
	13.6 R 28	340/85 R 28 RD-01	
	14.9 R 28	380/85 R 28 RD-01	
	16.9 R 28	420/85 R 28 RD-01	
30"	14.9 R 30	380/85 R 30 RD-01	
	16.9 R 30	420/85 R 30 RD-01	
	18.4 R 30	460/85 R 30 RD-01	
32"	12.4 R 32	320/85 R 32 RD-01	
34"	14.9 R 34	380/85 R 34 RD-01	
	16.9 R 34	420/85 R 34 RD-01	
	18.4 R 34	460/85 R 34 RD-01	
36"	13.6 R 36	340/85 R 36 RD-01	
38"	13.6 R 38	340/85 R 38 RD-01	380/80 R 38 RD-01
	16.9 R 38	420/85 R 38 RD-01	
	18.4 R 38	460/85 R 38 RD-01	
	20.8 R 38	520/85 R 38 RD-01	480/80 R 42 RD-01
42"	20.8 R 42	520/85 R 42 RD-01	480/80 R 46 RD-01
50"			480/80 R 50 RD-01

	70 Series	65 Series	Standard inch	Speed radius index
	320/70 R 24 RD-02		11.2 R 24	525
	360/70 R 24 RD-02	420/65 R 24	12.4 R 24	550
	380/70 R 24 RD-02	440/65 R 24 RD-03	13.6 R 24	575
	420/70 R 24 RD-02	480/65 R 24 RD-03	14.9 R 24	600
		540/65 R 24 RD-03	16.9 R 24	625
			11.2 R 28	575
			12.4 R 28	600
	380/70 R 28 RD-02	440/65 R 28 RD-03	13.6 R 28	625
	420/70 R 28 RD-02	480/65 R 28 RD-03	14.9 R 28	650
	480/70 R 28 RD-02	540/65 R 28 RD-03	16.9 R 28	675
	480/70 R 28 RD-02	540/65 R 28 RD-03	14.9 R 30	675
	480/70 R 30 RD-02	540/65 R 30 RD-03 600/65 R 28 RD-03	16.9 R 30	700
			18.4 R 30	725
			12.4 R 32	650
			14.9 R 34	725
	480/70 R 34 RD-02	540/65 R 34 RD-03	16.9 R 34	750
	520/70 R 34 RD-02	600/65 R 34 RD-03	18.4 R 34	775
			13.6 R 36	725
			13.6 R 38	750
	480/70 R 38 RD-02	540/65 R 38 RD-03	16.9 R 38	800
	520/70 R 38 RD-02	600/65 R 38 RD-03	18.4 R 38	825
	580/70 R 38 RD-02	650/65 R 38 RD-03	20.8 R 38	875
	710/70 R 38 RD-02	650/65 R 42 RD-03	20.8 R 42	925
				975

AS-Agri 06



AS-Agri 07



AS-Agri 08



AS-Agri 13



AS-Agri 15



AS-Agri 19



AS-Agri 10



AS-Agri 20



AS-Agri

Standard cross-ply tyres
for all applications

- Excellent traction by high lugs
- High mileage by use of low-wear tread compound
- Good self-cleaning ability by smooth inter-lug surfaces
- Safe handling on hilly or sloping ground

Tractor diagonal tyres

AS-Agri

TECHNICAL DATA

Tyre size	Tread pattern	Ply rating (PR)	TT/TL	Rim (permitted)	Tube	Section width (mm)	Overall diameter (mm)	
8.00 - 20	AS-Agri 06	8	TT	W6	8.0-20	220	965	
8.3 - 24	AS-Agri 13	6	TT	W7 (W6)	8.3-24/9.5-24	211	995	
9.5 - 24	AS-Agri 10	8	TT	W8 (W7)	8.3-24/9.5-24	241	1 050	
9.5 - 24	AS-Agri 19	8	TT	W8 (W7)	8.3-24/9.5-24	241	1 050	
11.2 - 24	AS-Agri 10	6	TL	W10 (W9)	-	284	1 105	
11.2 - 24	AS-Agri 19	6	TL	W10 (W9)	-	284	1 105	
11.2 - 24	AS-Agri 10	8	TT	W10 (W9)	9.5/11.2-24	284	1 105	
11.2 - 24	AS-Agri 19	8	TT	W10 (W9)	9.5/11.2-24	284	1 105	
12.4 - 24	AS-Agri 06	8	TL	W11 (W9; W10)	-	315	1 160	
12.4 - 24	AS-Agri 06	8	TT	W11 (W9; W10)	12.4/13.6-24	315	1 160	
12.4 - 24	AS-Agri 19	8	TL	W11 (W9; W10)	-	315	1 160	
12.4 - 24	AS-Agri 19	8	TT	W11 (W9; W10)	12.4/13.6-24	315	1 160	
12.4 - 24	AS-Agri 06	12	TT	W11 (W9; W10)	12.4/13.6-24	315	1 160	
12.4 - 24	AS-Agri 19	12	TT	W11 (W9; W10)	12.4/13.6-24	315	1 160	
13.6 - 24	AS-Agri 13	8	TT	W12 (W11)	13.6-24	363	1 217	
14.9 - 24	AS-Agri 08	4	TL	W13 (W11; W12)	-	393	1 252	
14.9 - 24	AS-Agri 19	8	TL	W13 (W11; W12)	-	378	1 265	
14.9 - 24	AS-Agri 19	8	TT	W13 (W11; W12)	14.9-24	378	1 265	
16.9 - 24	AS-Agri 13	8	TT	W15L (W14L)	16.9-24	429	1 335	
14.9 - 26	AS-Agri 10	8	TT	W13	14.9-26	378	1 316	
16.9 - 26	AS-Agri 10	10	TT	W15	16.9-26	429	1 384	

AS-Agri 06 AS-Agri 07 AS-Agri 08 AS-Agri 10 AS-Agri 13 AS-Agri 15 AS-Agri 19 AS-Agri 20



	Loaded static radius (mm)	Rolling circumference ± 1.0 % (mm)	Tyre load capacity (kg)				Tyre pressure (bar)
			Speed (km/h)				
			10	20	30	40	
	437	2 813	1 525	1 310	1 090	870	2.8
	470	2 935	1 120	960	800	650	2.4
	495	3 070	1 570	1 345	1 120	900	2.8
	495	3 095	1 570	1 345	1 120	900	2.8
	520	3 300	1 485	1 270	1 060	850	1.8
	520	3 300	1 485	1 270	1 060	850	1.8
	520	3 300	1 750	1 500	1 250	1 000	2.4
	520	3 300	1 750	1 500	1 250	1 000	2.4
	541	3 485	1 960	1 680	1 400	1 120	2.3
	541	3 485	1 960	1 680	1 400	1 120	2.3
	539	3 473	1 960	1 680	1 400	1 120	2.3
	539	3 473	1 960	1 680	1 400	1 120	2.3
	541	3 485	2 700	2 000	1 930	1 800	3.5
	539	3 473	2 700	2 000	1 930	1 800	3.5
	556	3 581	2 170	1 860	1 550	1 240	2.0
	562	3 618	1 570	1 345	1 120	895	0.8
	581	3 795	2 520	2 160	1 800	1 440	1.8
	581	3 795	2 520	2 160	1 800	1 440	1.8
	620	3 940	2 885	2 470	2 060	1 650	1.7
	610	3 927	2 590	2 220	1 850	1 480	1.8
	640	4 122	3 400	2 915	2 430	1 945	2.0

Tractor diagonal tyres

AS-Agri

TECHNICAL DATA

Tyre size	Tread pattern	Ply rating (PR)	TT/TL	Rim (permitted)	Tube	Section width (mm)	Overall diameter (mm)	
18.4 - 26	AS-Agri 19	12	TL	W16L (W15L)	-	467	1 450	
23.1 - 26	AS-Agri 07	12	TL	DW20	-	614	1 650	
23.1 - 26	AS-Agri 07	18	TL	DW20	-	614	1 650	
23.1 - 26	AS-Agri 07	18	TT	DW20	23.1-26	614	1 650	
8.3 - 28	AS-Agri 10	8	TT	W7 (W6)	8.3-28	211	1 095	
11.2 - 28	AS-Agri 10	8	TT	W10 (W9)	11.2/12.4/13.6-28	284	1 205	
11.2 - 28	AS-Agri 19	8	TT	W10 (W9)	11.2/12.4/13.6-28	284	1 205	
12.4 - 28	AS-Agri 19	8	TT	W11 (W9; W10)	11.2/12.4/13.6-28	315	1 260	
12.4 - 28	AS-Agri 20	8	TT	W11 (W9; W10)	11.2/12.4/13.6-28	315	1 260	
12.4 - 28	AS-Agri 19	10	TT	W11 (W9; W10)	11.2/12.4/13.6-28	315	1 260	
13.6 - 28	AS-Agri 19	8	TT	W12 (W11)	11.2/12.4/13.6-28	345	1 310	
14.9 - 28	AS-Agri 19	8	TT	W13 (W11; W12)	14.9/16.9-28	378	1 365	
14.9 - 28	AS-Agri 20	8	TT	W13 (W11; W12)	14.9/16.9-28	378	1 365	
16.9 - 28	AS-Agri 13	10	TT	W15L (W14L)	14.9/16.9-28	429	1 435	
16.9 - 28	AS-Agri 13	12	TL	W15L (W14L)	-	429	1 435	
16.9 - 28	AS-Agri 13	12	TT	W15L (W14L)	14.9/16.9-28	429	1 435	
14.9 - 30	AS-Agri 10	6	TT	W13	14.9-30	378	1 415	
14.9 - 30	AS-Agri 10	10	TL	W13	-	378	1 415	
16.9 - 30	AS-Agri 13	8	TT	W15L (W14L)	14.9/16.9-30	429	1 485	
16.9 - 30	AS-Agri 13	14	TT	W15L (W14L)	14.9/16.9-30	429	1 485	
18.4 - 30	AS-Agri 13	8	TT	W16L (W15L)	16.9-30	467	1 550	

AS-Agri 06 AS-Agri 07 AS-Agri 08 AS-Agri 10 AS-Agri 13 AS-Agri 15 AS-Agri 19 AS-Agri 20



	Loaded static radius (mm)	Rolling circumference ± 1.0 % (mm)	Tyre load capacity (kg)				Tyre pressure (bar)
			Speed (km/h)				
			10	20	30	40	
	663	4 285	6 000	4 360	4 160	4 000	2.5
	733	4 785	5 110	4 380	3 650	2 920	1.7
	733	4 785	6 300	5 400	4 500	3 600	2.6
	733	4 785	6 300	5 400	4 500	3 600	2.6
	509	3 279	1 365	1 170	975	780	3.0
	567	3 529	1 850	1 585	1 320	1 060	2.4
	567	3 529	1 850	1 585	1 320	1 060	2.4
	598	3 750	2 170	1 860	1 550	1 250	2.3
	598	3 750	2 170	1 860	1 550	1 250	2.3
	598	3 750	2 535	2 175	1 790	1 450	2.8
	612	3 853	2 310	1 980	1 650	1 320	2.0
	627	4 113	2 660	2 280	1 900	1 500	1.8
	627	4 113	2 660	2 280	1 900	1 500	1.8
	651	4 190	3 400	2 915	2 430	1 950	2.0
	651	4 190	3 815	3 270	2 725	2 180	2.4
	651	4 190	3 815	3 270	2 725	2 180	2.4
	660	4 252	2 380	2 040	1 700	1 360	1.4
	642	4 136	3 050	2 615	2 180	1 745	2.3
	685	4 390	3 220	2 760	2 300	1 850	1.7
	685	4 390	4 060	3 480	2 900	2 320	2.6
	714	4 540	3 400	2 915	2 430	1 950	1.4

Tractor diagonal tyres

AS-Agri

TECHNICAL DATA

Tyre size	Tread pattern	Ply rating (PR)	TT/TL	Rim (permitted)	Tube	Section width (mm)	Overall diameter (mm)	
18.4 - 30	AS-Agri 13	12	TT	W16L (W15L)	16.9-30	467	1 550	
8.3 - 32	AS-Agri 10	6	TT	W7 (W6)	8.3-32	211	1 195	
9.5 - 32	AS-Agri 13	6	TT	W8 (W7)	9.5-32	241	1 250	
12.4 - 32	AS-Agri 13	6	TT	W11 (W9; W10)	12.4-32	315	1 360	
16.9 - 34	AS-Agri 10	8	TT	W15L (W14L)	16.9-34	429	1 585	
18.4 - 34	AS-Agri 19	8	TT	W16L (W15L)	16.9-34/18.4-34	467	1 650	
18.4 - 34	AS-Agri 19	10	TT	W16L (W15L)	16.9-34/18.4-34	467	1 650	
18.4 - 34	AS-Agri 10	16	TT	W16L (W15L)	16.9-34/18.4-34	467	1 650	
8.3 - 36	AS-Agri 10	6	TT	W7 (W6)	8.3-36	211	1 300	
9.5 - 36	AS-Agri 10	6	TT	W8 (W7)	9.5-36	241	1 354	
9.5 - 36	AS-Agri 10	10	TT	W8 (W7)	9.5-36	241	1 354	
12.4 - 36	AS-Agri 13	6	TT	W11 (W10)	12.4-36	315	1 465	
13.6 - 36	AS-Agri 10	6	TT	W12 (W11)	12.4/13.6-36	345	1 515	
13.6 - 36	AS-Agri 13	6	TT	W12 (W11)	12.4/13.6-36	345	1 515	
13.6 - 38	AS-Agri 13	8	TT	W12	13.6-38	345	1 565	
14.9 - 38	AS-Agri 15	6	TT	W13 (W12)	14.9-38	380	1 640	
15.5 - 38	AS-Agri 15	8	TT	W14L	15.5-38	394	1 580	
16.9 - 38	AS-Agri 13	8	TT	W15L (W14L)	16.9-38	429	1 685	
18.4 - 38	AS-Agri 19	10	TT	W16L (W15L)	18.4-38	467	1 750	
18.4 - 38	AS-Agri 19	14	TT	W16L (W15L)	18.4-38	467	1 750	

30 km/h (up to 40 km/h) load values also apply for low-speed high-torque field work.

For intensive road transport at 40/30 km/h the pressure must be increased by 0.4 bar. Maximum inflation pressure should never be exceeded.

For harvesting machines and front-end loader tractor application the Inflation Pressure must be increased by 0.4 bar.

All load values are valid for ground slopes up to and including 20 % (11°). When operating on slopes greater than 20 %, contact the producer.

TL = Tubeless

TT = Tube Type

AS-Agri 06 AS-Agri 07 AS-Agri 08 AS-Agri 10 AS-Agri 13 AS-Agri 15 AS-Agri 19 AS-Agri 20



	Loaded static radius (mm)	Rolling circumference ± 1.0 % (mm)	Tyre load capacity (kg)				Tyre pressure (bar)
			Speed (km/h)				
			10	20	30	40	
	714	4 540	4 550	3 900	3 250	2 575	2.3
	571	3 543	1 295	1 110	925	740	2.4
	597	3 695	1 480	1 270	1 060	850	2.1
	633	3 975	1 905	1 630	1 360	1 090	1.7
	724	4 680	3 400	2 915	2 430	1 950	1.7
	770	4 865	3 710	3 180	2 650	2 120	1.4
	770	4 865	4 200	3 600	3 000	2 430	1.8
	770	4 865	6 000	4 920	4 280	4 000	2.9
	622	4 084	1 365	1 170	975	780	2.4
	645	4 155	1 610	1 380	1 150	920	2.1
	645	4 080	2 170	1 860	1 550	1 240	3.5
	685	4 330	2 030	1 740	1 450	1 150	1.7
	698	4 447	2 310	1 980	1 650	1 320	1.6
	698	4 447	2 310	1 980	1 650	1 320	1.6
	740	4 670	2 730	2 340	1 950	1 560	2.1
	760	4 838	2 660	2 280	1 900	1 520	1.4
	745	4 661	2 885	2 470	2 060	1 650	1.8
	795	5 091	3 605	3 090	2 575	2 060	1.7
	814	5 216	4 410	3 780	3 150	2 520	1.8
	814	5 216	5 425	4 650	3 875	3 100	2.5

AS-Impl 01



AS-Impl 02



AS-Impl 03



AS-Impl 08





AS-Impl

Implement cross-ply tyres suitable above all for use on driving axles and self-propelled machinery

Cultor implement tyres are designed for their specific main application.

All profiles unify the following benefits:

- Long service life through low-wear tread compound
- High puncture resistance by optimised construction

Implement traction

AS-Impl

TECHNICAL DATA

Tyre size	Tread pattern	Ply rating (PR)	TT/TL	Rim	Section width (mm)	Overall diameter (mm)	Loaded static radius (mm)	
10.0/75 - 15.3	AS-Impl 02	10	TL	9.00x15.3	264	780	360	
10.0/75 - 15.3	AS-Impl 03	10	TL	9.00x15.3	264	780	360	
11.5/80 - 15.3	AS-Impl 03	14	TL	9.00x15.3	290	867	395	
400/60 - 15.5	AS-Impl 08	14	TL	13.00x15.5	405	875	385	
15.0/55 - 17	AS-Impl 01	12	TL	13.00x17	391	872	410	
12.0/75 - 18	AS-Impl 03	12	TL	W 9x18	299	937	447	
500/60 - 22.5	AS-Impl 08	16	TL	16.00x22.5	503	1192	519	
550/60 - 22.5	AS-Impl 08	16	TL	16.00x22.5	537	1254	542	

For a non-standard version, please contact a producer.

These tyres are for normal agricultural use and not for continuous highway service.

TL = Tubeless

TT = Tube Type



	Rolling circumference ± 1.0 % (mm)	Tyre load capacity (kg) – drive wheel / free rolling axle					Tyre pressure (bar)
		Speed (km/h)					
		10	20	30	40	50	
	2 295	1 526 / 2 100	1 376 / 1 890	1 220 / 1 500	1 090 / 1 500	980 / 1 350	4.00
	2 295	1 525 / 2 100	1 375 / 1 890	1 220 / 1 500	1 090 / 1 500	980 / 1 350	4.00
	2 550	2 380 / 3 400	2 140 / 3 060	1 905 / 2 720	1 700 / 2 430	1 530 / 2 185	4.75
	2 575	2 450 / 3 500	2 205 / 3 150	1 960 / 2 800	1 750 / 2 500	1 575 / 2 250	3.50
	2 565	2 100 / 2 970	1 890 / 2 670	1 680 / 2 375	1 500 / 2 120	1 350 / 1 910	3.10
	2 755	2 380 / 3 400	2 140 / 3 060	1 905 / 2 720	1 700 / 2 430	1 530 / 2 185	4.00
	3 504	4 305 / 6 125	3 875 / 5 515	3 445 / 4 900	3 075 / 4 375	2 770 / 3 940	3.00
	3 687	4 830 / 6 825	4 345 / 6 145	3 865 / 5 460	3 450 / 4 875	3 105 / 4 390	2.80

AW-Impl 03



AW-Impl 04



AW-Impl 07



AW-Impl 09



AW-Impl 11



AW-Impl 12



AW-Impl

Implement tyres for free rolling application

Application determines profile.

- AW-Impl 03/04/07: ribbed profiles for good road holding and long service life
- AW-Impl 09: flotation tyre with high load capacity at low tyre pressure, a mixture of rolling rib profile and strong side lugs for good track holding

AW-Impl 13



Implement non traction

AW-Impl

TECHNICAL DATA

Tyre size	Tread pattern	Ply rating (PR)	TT/TL	Rim	Tube	Section width (mm)	Overall diameter (mm)	Loaded static radius (mm)	
10.0/80 - 12	AW-Impl 04	10	TL	9.00x12	-	264	710	316	
10.0/80 - 12	AW-Impl 11	12	TT	9.00x12	10.0/80-12	264	710	316	
8.25 - 15	AW-Impl 12	16	TT	6.50x15	8.25-15	230	840	374	
10.0/75 - 15.3	AW-Impl 11	12	TT	9.00x15.3	10.0/75-15	264	760	351	
10.0/75 - 15.3	AW-Impl 04	14	TL	9.00x15.3	-	264	760	351	
11.5/80 - 15.3	AW-Impl 04	14	TL	9.00x15.3	-	290	845	386	
11.5/80 - 15.3	AW-Impl 11	14	TT	9.00x15.3	11.5/80-15.3	290	845	386	
12.5/80 - 15.3	AW-Impl 04	14	TL	9.00x15.3	-	307	889	436	
400/60 - 15.5	AW-Impl 07	14	TL	13.00x15.5	-	405	875	380	
7.50 - 16	AW-Impl 11	12	TT	5.50x16	7.50-16	214	787	355	
7.50 - 16	AW-Impl 11	14	TT	5.50x16	7.50-16	214	787	355	
500/50 - 17	AW-Impl 07	14	TL	16.00x17	-	500	940	420	
12.5/80 - 18	AW-Impl 04	14	TL	11x18	12-18HS	308	965	444	
13.0/65 - 18	AW-Impl 04	16	TL	11x18	13.0/65-18	336	890	412	
13.0/65 - 18	AW-Impl 11	16	TT	11x18	13.0/65-18	336	890	412	
13.0/65 - 18	AW-Impl 11	16	TL	11x18	-	336	890	412	
14.5/80 - 18	AW-Impl 03	12	TL	11x18	14.5/80-18	372	1 045	475	
500/60 - 22.5	AW-Impl 09	16	TL	16.00x22.5	-	503	1 172	511	
550/60 - 22.5	AW-Impl 09	16	TL	16.00x22.5	-	537	1 232	534	
9.00 - 24	AW-Impl 13	10	TT	8x24	9-24	272	1 094	498	

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 These tyres are for normal agricultural use and not for continuous highway service.
 TL = Tubeless
 TT = Tube Type



	Rolling circumference ± 1.0 % (mm)	Tyre load capacity (kg)					Tyre pressure (bar)
		Speed (km/h)					
		10	20	30	40	50	
	2 085	1 800	1 620	1 440	1 285	1 155	3.90
	2 085	1 985	1 790	1 590	1 420	1 275	4.70
	2 409	3 675	3 250	2 850	2 565	-	7.00
	2 235	2 310	2 080	1 850	1 650	1 485	4.70
	2 235	2 660	2 395	2 130	1 900	1 710	5.50
	2 485	3 400	3 060	2 720	2 430	2 185	4.75
	2 485	3 400	3 060	2 720	2 430	2 185	4.75
	2 615	3 605	3 245	2 885	2 575	2 320	4.30
	2 575	3 500	3 150	2 800	2 500	2 250	3.50
	2 290	1 705	1 535	1 360	1 220	-	4.75
	2 290	1 890	1 700	1 510	1 350	-	5.50
	2 763	4 550	4 095	3 640	3 250	2 925	3.50
	2 840	4 060	3 655	3 250	2 900	2 610	4.25
	2 615	3 815	3 435	3 050	2 725	2 455	5.00
	2 615	3 815	3 435	3 050	2 725	2 455	5.00
	2 615	3 815	3 435	3 050	2 725	2 455	5.00
	3 075	5 425	4 885	4 340	3 875	3 490	4.25
	3 446	6 125	5 515	4 900	4 375	3 940	3.00
	3 622	6 825	6 145	5 460	4 875	4 390	2.80
	3 207	2 540	2 245	1 970	-	-	3.30

AS-Front 04



AS-Front 06



AS-Front 07



AS-Front 08P



AS-Front 09



AS-Front 10



AS-Front 08



AS-Front 13



AS-Front

Cross-ply steering tyres

Cultor front tyres are suitable for free rolling steering axles. Ribbed tread pattern with high positive tread part ensure safe road use and good track holding.

The traction profile of AS-Front 13 is also suitable for driving axles.

Tractor front tyre

AS-Front

TECHNICAL DATA

Tyre size	Tread pattern	Ply rating (PR)	TT/TL	Rim	Tube	Section width (mm)	Overall diameter (mm)	
5.50 - 16	AS-Front 04	6	TT	4.00Ex16	5.50-16	150	710	
5.50 - 16	AS-Front 06	6	TT	4.00Ex16	5.50-16	150	710	
6.00 - 16	AS-Front 04	8	TT	4.50Ex16	6.00-16	165	735	
6.00 - 16	AS-Front 06	8	TT	4.50Ex16	6.00-16	165	735	
6.00 - 16	AS-Front 07	8	TT	4.50Ex16	6.00-16	165	735	
6.00 - 16	AS-Front 08P	8	TT	4.50Ex16	6.00-16	165	735	
6.00 - 16	AS-Front 09	8	TT	4.50Ex16	6.00-16	165	735	
6.00 - 16	AS-Front 13	8	TT	4.50Ex16	6.00-16	170	735	
6.50 - 16	AS-Front 08	8	TT	4.50Ex16	6.50-16	175	760	
7.50 - 16	AS-Front 06	8	TT	5.50Fx16	7.50-16	214	803	
7.50 - 16	AS-Front 08	8	TT	5.50Fx16	7.50-16	205	805	
7.50 - 16	AS-Front 10	8	TT	5.50Fx16	7.50-16	205	805	
7.50 - 16	AS-Front 10	8	TL	5.50Fx16	-	205	805	
7.50 - 16	AS-Front 13	8	TT	5.50Fx16	7.50-16	205	803	
10.00 - 16	AS-Front 10	8	TL	8x16	-	274	895	
6.00 - 19	AS-Front 10	8	TT	4.50Ex19	6.00-19	165	814	
7.50 - 20	AS-Front 08	8	TT	5.50Fx20	7.50-20	205	915	
7.50 - 20	AS-Front 10	8	TL	5.50Fx20	-	205	915	

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 TL = Tubeless
 TT = Tube Type

AS-Front 04 AS-Front 06 AS-Front 07 AS-Front 08 AS-Front 08P AS-Front 09 AS-Front 10 AS-Front 13



	Loaded static radius (mm)	Rolling circumference $\pm 1.0\%$ (mm)	Tyre load capacity (kg)				Tyre pressure (bar)
			Speed (km/h)				
			10	20	30	40	
	330	2125	790	660	530	475	3.9
	330	2125	560	505	450	400	2.0
	343	2210	1 005	905	670	535	4.3
	343	2210	1 005	905	670	535	4.3
	343	2210	1 005	905	670	535	4.3
	340	2160	1 005	905	670	535	4.3
	340	2160	1 005	905	670	535	4.3
	345	2160	1 005	905	670	535	4.3
	350	2230	1 095	985	730	580	4.2
	371	2390	1 315	1 180	875	700	3.7
	370	2365	1 315	1 180	875	700	3.7
	376	2420	1 315	1 180	875	700	3.7
	376	2420	1 315	1 180	875	700	3.7
	375	2360	1 315	1 180	875	700	3.7
	422	2720	1 770	1 475	1 175	1 060	3.0
	385	2480	1 125	1 015	750	600	4.0
	420	2690	1 440	1 390	1 030	825	3.4
	420	2690	1 440	1 390	1 030	825	3.4

Agro Industrial 10



Agro Industrial 20



Skid Steer 20



Industrial 20



Industrial 30



Industrial 40



AGRO-INDUSTRIAL EARTHMOVER INDUSTRIAL MPT SKID STEER

Skid Steer 30



Skid Steer 50



Industrial 10



Industrial 50



MPT 30



Earthmover 10



Earthmover 20



AGRO-INDUSTRIAL, EARTHMOVER, INDUSTRIAL, MPT and SKID STEER



TECHNICAL DATA

Tyre size	Tread pattern	Ply rating (PR)	Service description LI/SS	TT/TL	Rim	Tube	
10 - 16.5	SKID STEER 20	8 PR	124 A2	TL	8.25x16.5	-	
10 - 16.5	SKID STEER 30	8 PR	131 A3	TL	8.25x16.5	-	
10 - 16.5	SKID STEER 50	10 PR	135 A3	TL	8.25x16.5	-	
12 - 16.5	SKID STEER 20	10 PR	131 A2	TL	9.75x16.5	-	
12 - 16.5	SKID STEER 30	12 PR	144 A3	TL	9.75x16.5	-	
12 - 16.5	SKID STEER 50	12 PR	144 A3	TL	9.75x16.5	-	
10.5/80 - 18	SKID STEER 30	10 PR	127 A8/115 A8 *	TL	9x18	-	
12.5/80 - 18	SKID STEER 30	14 PR	141 A8/128 A8 *	TL	9x18	-	
15 - 19.5	INDUSTRIAL 10	6 PR	130 A6	TL	11.75x19.5	-	
12.5 - 20	MPT-30	12 PR	132 G	TT/TL	11x20	12.5-20	
16.0/70 - 20	AGRO-INDUSTRIAL 20	14 PR	142 A8	TL	14.00x20	-	
16.0/70 - 20	INDUSTRIAL 30	14 PR	142 A8	TL	14.00x20	-	
13.00 - 24	EARTHMOVER 20	14 PR	172 A2	TL	9.00x24	-	
14.00 - 24	EARTHMOVER 10	14 PR	175 A2	TL	9.00x24	-	
16.9 - 24	INDUSTRIAL 40	12 PR	149 A6	TL	W15Lx24	-	
17.5L - 24	INDUSTRIAL 10	12 PR	146 A8	TL	W15Lx24	-	
17.5L - 24	AGRO-INDUSTRIAL 10	12 PR	146 A8	TL	W15Lx24	-	
18.4 - 26	INDUSTRIAL 10	12 PR	156 A8	TL	W16Lx26	-	
18.4 - 26	AGRO-INDUSTRIAL 10	12 PR	142 A8	TL	W16Lx26	-	
18.4 - 26	AGRO-INDUSTRIAL 10	14 PR	145 A8	TL	W16Lx26	-	
23.1 - 26	INDUSTRIAL 50	12 PR	149 A8	TL	DW20x26	-	
16.9 - 28	INDUSTRIAL 20	12 PR	151 A8	TL	W15Lx28	-	
16.9 - 28	INDUSTRIAL 40	12 PR	151 A6	TL	W15Lx28	-	
16.9 - 30	INDUSTRIAL 10	14 PR	154 A8	TL	W15Lx30	-	

TL = Tubeless Tyre
TT = Tube Tyre

* free rolling / drive wheels

Industrial 10 Industrial 20 Industrial 30 Industrial 40 Industrial 50 MPT 30 Earthmover 10 Earthmover 20



	Section width (mm)	Overall diameter (mm)	Loaded static radius (mm)	Rolling circumference $\pm 1.0\%$ (mm)	Tyre pressure (bar)	Tyre load capacity (kg)	Speed (km/h)
	265	760	356	2 293	3.10	1 600	10
	263	799	366	2 355	3.75	1 950	15
	259	805	366	2 355	5.00	2 180	15
	308	820	381	2 454	2.80	1 950	10
	315	841	384	2 475	5.50	2 800	15
	305	836	384	2 475	5.50	2 800	15
	274	907	411	2 645	3.70	1 750/1 215 *	40
	307	991	445	2 865	4.30	2 575/1 800 *	40
	386	1 012	454	2 926	2.10	1 900	30
	325	1 014	480	3 204	3.50	2 000	90
	406	1 095	489	3 148	3.50	2 650	40
	418	1 097	513	3 304	3.40	2 650	40
	358	1 300	569	3 665	5.50	6 300	10
	381	1 365	602	3 875	5.00	6 900	10
	429	1 310	579	-	2.60	3 250	30
	452	1 242	559	3 600	2.60	3 000	40
	450	1 297	582	3 748	2.50	3 000	40
	465	1 435	648	4 173	2.50	4 000	40
	459	1 440	665	4 283	2.20	2 650	40
	459	1 440	665	4 283	2.70	2 900	40
	572	1 504	696	4 480	1.70	3 250	40
	433	1 400	648	4 173	2.60	3 450	40
	429	1 410	640	4 190	2.60	3 465	30
	437	1 458	658	4 283	2.90	3 750	40

USE AND MAINTENANCE

STORAGE

- > Keep the tyres clean and away from heat, light, ozone or hydrocarbon sources.
- > Avoid prolonged exposure of the tyres to direct sunlight.
- > Avoid any contact with grease, petrol, volatile solvents or other substances that may deteriorate the rubber.
- > Avoid horizontal storage for tubeless tyres, only small size tyres may be stacked or stored flat (maximum 6 months).
- > When tyres are stored flat (horizontal), the position must be lug against lug.
- > Reduce inflation pressure when tyres are stored fitted on rims.
- > Ensure there is no water or moisture inside the tyre.
- > Never store tyres directly in contact with the ground for long periods.



Check inflation pressure regularly



Avoid contact with grease, oil and other chemicals



Inspect tyres for damage and irregularities



Observe tyre and vehicle load limits



Read safety and maintenance recommendations



Use only authorised repair

TYRE REPAIRS

- > For safety reasons, repairs should only be carried out by specialists using the correct tools.

PROPER USE OF TYRES

- > When loading tyres you have to consider the correlation between speed, inflation pressure and load capacity.
- > Overloading results in premature tyre failure. Use the technical documentation and inflation tables which show the load and pressure figures for different operating speeds.
- > Underinflation results not only in incorrect tread wear but also in ply separation and eventually further damage to the ply.
- > Overinflation makes the tyre stiff and decreases its resistance against hits, leading to ply tear.

LIQUID BALLASTING OF TRACTOR TYRES

In some cases, it is necessary to add weight to tyres to increase traction power. Filling the tyre with a liquid (water) is a simple and inexpensive way. It is possible to add liquid to the tyres up to 75% of their volume. In winter, to avoid the water damaging the tyres when it freezes, suitable quantities of anti-freeze must be added.

INSTRUCTIONS FOR ADDING LIQUID

1. Jack the wheel up and position the valve at the highest vertical point.
2. Unscrew the removable valve body from the valve and connect a combined air-water fill and draining valve to the valve chunk. Air can be removed from the tyre through this valve while the water is entering.
3. Introduce the water or anti-freeze mixture into the tyre. Stop filling when liquid starts to issue from the valve. The quantity of liquid added will be about 75%. Do not over-fill!
4. Replace the valve body and inflate the tyre to the recommended operating pressure.
5. Clean all metal parts – anti-freeze solution is corrosive.

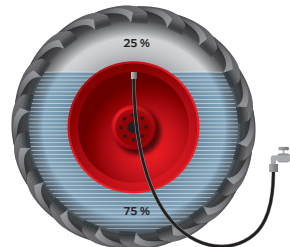
INSTRUCTIONS FOR DRAINING LIQUID

1. Jack the wheel up and position the valve at the lowest vertical point.
2. Unscrew the valve core and let the water drain out.
3. Attach a small rubber hose of suitable length to the locking washer and insert the hose into the tyre tube, then screw the washer down over the stem of the valve.
4. Inflate the tyre with air.
5. Remove the internal valve stem and let the remaining water drain from the tyre.
6. Remove the rubber hose and reassemble the valve. Inflate with air up to the recommended pressure.

ANTI-FREEZE SOLUTION

- > As protection against frost, it is recommended to add Calcium Chloride (CaCl_2). If a tubeless tyre is mounted, we recommend that the rim should be treated against corrosion or an inner tube must be used.
- > Remember – prepare the solution by pouring the Calcium Chloride into the water, stirring to help it dissolve. Never pour water on to Calcium Chloride, it is dangerous.

CaCl_2 per litre of water	Protection to
200 g	- 10 °C
250 g	- 15 °C
300 g	- 20 °C
350 g	- 25 °C
400 g	- 30 °C



FITTING AND REMOVAL INSTRUCTIONS

Demounting and mounting procedures can be dangerous, and should be performed only by trained and qualified staff, using proper tools and procedures. Failure to comply with these procedures may result in faulty positioning of the tyre on the rim, and cause the tyre to burst with explosive force leading to serious physical injury or death.

STORAGE

1. Make sure that the rim, the tyre and the tube are compatible.
2. Check that the tyre is suitable for the machine. Use only rims recommended or permitted by the tyre manufacturer.
3. Always use the proper specialised equipment and tools.
4. The rim must be clean and in perfect condition (no damage, etc.). If necessary, clean the rim thoroughly with a wire brush. Never fit a tyre onto a rim that shows cracks, significant distortion, evidence of welded repair, etc.
5. Thoroughly inspect the inside as well as the outside of the tyre in order to identify any damage which may be present. If the damage is considered to be beyond repair, the tyre should be scrapped.
6. If fitting with a tube, always use the correct new tube and flap for the tyre size. For fitting tubeless tyres without tubes, on tubeless rims, always use a new tubeless valve.
7. Before fitting, lubricate the rim and the beads. Use only a suitable lubricant that will not damage the tyre (never use silicone or petroleum-based products).
8. We recommend vertical fitting. In case of horizontal fitting it is impossible to see if the lower bead is correctly seated.
9. Fit the tyre on the rim diametrically opposite to the valve hole (respect, if present, the rotation direction indicated by the arrows). With the help of a suitable lever and closely repeated applications, get the first bead over the rim flange. Then pose the lightly inflated talc coated tube (if fitted) inside the tyre. Locate the valve, fitting the ferrule loosely. Fit the second bead, lever it progressively over the rim flange, finish at the valve.
10. For seating the beads and centring of the tyre, remove the valve core. Slowly inflate to ensure correct seating of the beads. Ensure that the beads do not pinch the tube.

11. During tyre inflation keep at a safe distance and always use a safety cage. If possible, fasten the tyre to the wall or use retaining chains. During pressure readings ensure that no part of the body is within the possible trajectory of the valve mechanism or of the caps. It is recommended to use suitable pressure limitation gauges. Use a filter and dehumidifier on the compressed air line to avoid introducing humidity or dirt. Never use a hammer to make a tyre bead seat by hitting it.
12. Continue inflation. Make sure that you do not inflate beyond 2.5 bar if the beads are not well seated and centred on the wheel.
13. If the beads are not correctly seated, deflate, lubricate and inflate again. Repeat these operations until the beads are correctly seated.
14. When all the previous operations have been correctly done refit the valve core. Set the pressure according to the load – see tables in technical databook.
15. Make sure the valves do not touch the rims, the brake drums or other fixed mechanical parts.

REMOVING

- > Never try to unseat the beads of an inflated tyre.
- > Always remove the valve core.
- > Let the tyre deflate, check before unseating that the tyre is completely deflated. Never use tools that could damage the rims or the beads of the tyre.

BALLASTING OF TRACTOR TYRES

Quantity when approx. 75 % full				Quantity when approx. 75 % full				Quantity when approx. 75 % full	
Tyre size Radial tyres	Alternative Tyre size	Tread pattern	Liquid (l)	Tyre size Radial tyres	Alternative Tyre size	Tread pattern	Liquid (l)	Tyre size Diagonal tyres	litres (kg)
280/85 R 24	(11.2R24)	RD-01	85	520/70 R 34		RD-02	335	8.00-20	45
320/70 R 24		RD-02	100	540/65 R 34		RD-03	360	8.3-24	50
320/85 R 24	(12.4R24)	RD-01	115	600/65 R 34		RD-03	465	9.5-24	60
340/85 R 24	(13.6R24)	RD-01	140	340/85 R 36	(13.6R36)	RD-01	195	11.2-24	75
360/70 R 24		RD-02	125	340/85 R 38	(13.6R38)	RD-01	215	12.4-24	110
380/70 R 24		RD-02	145	380/80 R 38		RD-01	240	13.6-24	120
380/85 R 24	(14.9R24)	RD-01	185	420/85 R 38	(16.9R38)	RD-01	320	14.9-24	170
420/65 R 24		RD-03	165	460/85 R 38	(18.4R38)	RD-01	420	16.9-24	220
420/70 R 24		RD-02	170	480/70 R 38		RD-02	340	14.9-26	180
420/85 R 24	(16.9R24)	RD-01	240	520/70 R 38		RD-02	395	16.9-26	222
440/65 R 24		RD-03	185	520/85 R 38	(20.8R38)	RD-01	530	18.4-26	280
480/65 R 24		RD-03	210	540/65 R 38		RD-03	420	23.1-26	450
540/65 R 24		RD-03	300	580/70 R 38		RD-02	550	8.3-28	55
280/85 R 28	(11.2R28)	RD-01	100	600/65 R 38		RD-03	500	11.2-28	90
320/85 R 28	(12.4R28)	RD-01	130	650/65 R 38		RD-03	630	12.4-28	125
340/85 R 28	(13.6R28)	RD-01	160	710/70 R 38		RD-03	800	13.6-28	145
380/70 R 28		RD-02	165	480/80 R 42		RD-01	460	14.9-28	190
380/85 R 28	(14.9R28)	RD-01	205	520/85 R 42	(20.8R42)	RD-01	580	16.9-28	250
420/70 R 28		RD-02	200	650/65 R 42		RD-03	650	14.9-30	200
420/85 R 28	(16.9R28)	RD-01	250	480/80 R 46		RD-01	500	16.9-30	240
440/65 R 28		RD-03	200	480/80 R 50		RD-01	550	18.4-30	330
480/65 R 28		RD-03	250					8.3-32	60
480/70 R 28		RD-02	260					9.5-32	80
540/65 R 28		RD-03	315					12.4-32	140
600/65 R 28		RD-03	400					16.9-34	250
380/85 R 30	(14.9R30)	RD-01	220					18.4-34	330
420/85 R 30	(16.9R30)	RD-01	270					8.3-36	70
460/85 R 30	(18.4R30)	RD-01	340					9.5-36	95
480/70 R 30		RD-02	275					12.4-36	160
540/65 R 30		RD-03	330					13.6-36	180
320/85 R 32	(12.4R32)	RD-01	140					13.6-38	190
380/85 R 34	(14.9R34)	RD-01	240					14.9-38	220
420/85 R 34	(16.9R34)	RD-01	290					15.5-38	245
460/85 R 34	(18.4R34)	RD-01	380					16.9-38	290
480/70 R 34		RD-02	310					18.4-38	385

LOAD INDEX

LI	kg	lbs	LI	kg	lbs	LI	kg	lbs
110	1 060	2 337	133	2 060	4 542	156	4 000	8 820
111	1 090	2 403	134	2 120	4 675	157	4 125	9 096
112	1 120	2 470	135	2 180	4 807	158	4 250	9 371
113	1 150	2 536	136	2 240	4 939	159	4 375	9 647
114	1 180	2 602	137	2 300	5 072	160	4 500	9 923
115	1 215	2 679	138	2 360	5 204	161	4 625	10 198
116	1 250	2 756	139	2 430	5 358	162	4 750	10 474
117	1 285	2 833	140	2 500	5 513	163	4 875	10 749
118	1 320	2 911	141	2 575	5 678	164	5 000	11 025
119	1 360	2 999	142	2 650	5 843	165	5 150	11 356
120	1 400	3 087	143	2 725	6 009	166	5 300	11 687
121	1 450	3 197	144	2 800	6 174	167	5 450	12 017
122	1 500	3 308	145	2 900	6 395	168	5 600	12 348
123	1 550	3 418	146	3 000	6 615	169	5 800	12 789
124	1 600	3 528	147	3 075	6 780	170	6 000	13 230
125	1 650	3 638	148	3 150	6 946	171	6 150	13 561
126	1 700	3 749	149	3 250	7 166	172	6 300	13 892
127	1 750	3 859	150	3 350	7 387	173	6 500	14 333
128	1 800	3 969	151	3 450	7 607	174	6 700	14 774
129	1 850	4 079	152	3 550	7 828	175	6 900	15 215
130	1 900	4 190	153	3 650	8 048	176	7 100	15 656
131	1 950	4 300	154	3 750	8 269	177	7 300	16 097
132	2 000	4 410	155	3 875	8 544	178	7 500	16 538

SPEED CATEGORY

Speed Symbol	A1	A2	A3	A4	A5	A6	A7	A8	B	D	E	F	G	J	K
Speed (km/h)	5	10	15	20	25	30	35	40	50	65	70	80	90	100	110
Speed (mph)	3	6	9	12	16	19	22	25	31	40	44	50	56	62	68

PRESSURE UNITS CONVERSION TABLE

bar	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5
kPa	100	150	200	250	300	350	400	450	500	550
p.s.i.	15	22	29	36	44	51	58	65	73	80

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