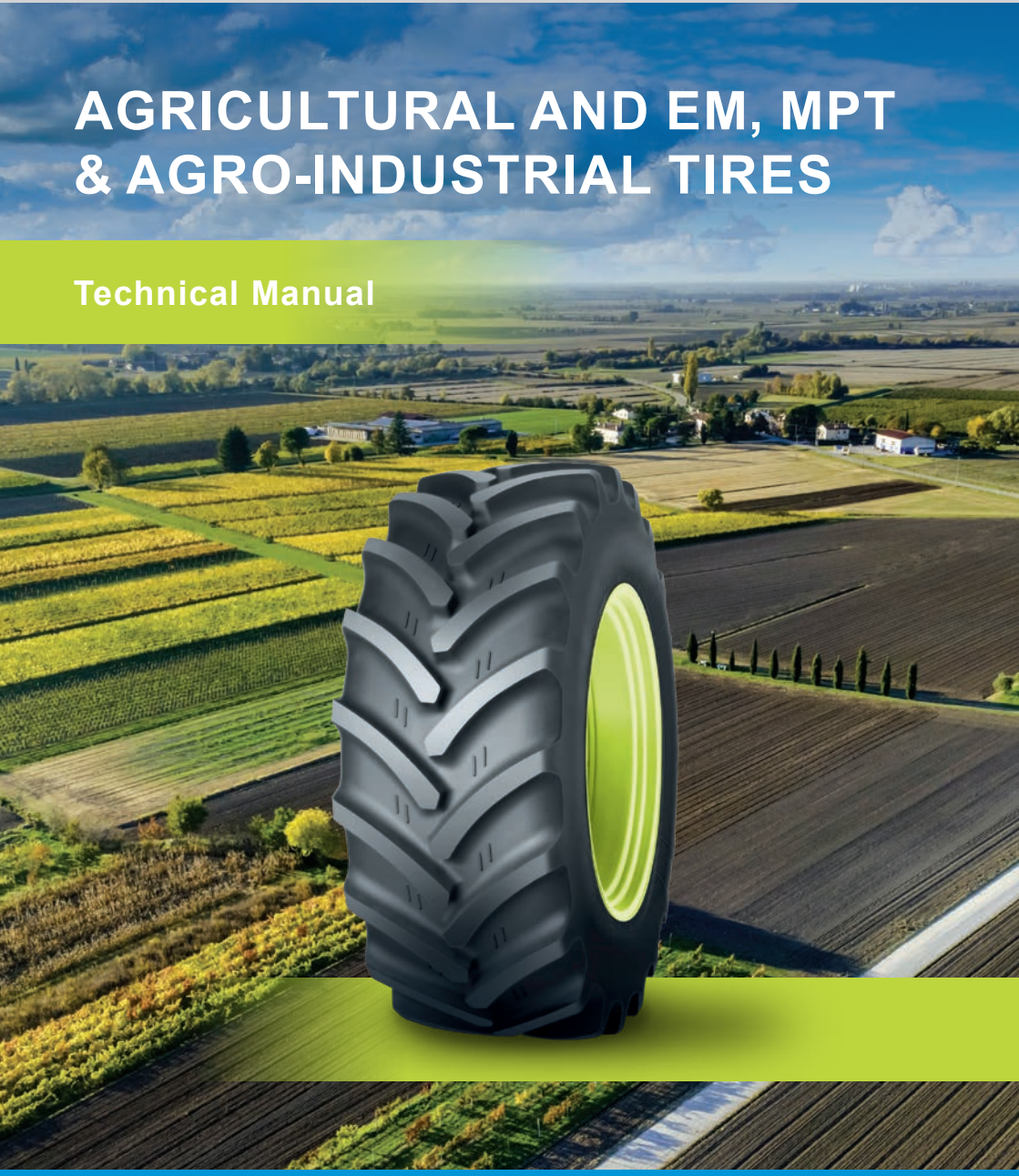
AGRICULTURAL AND EM, MPT & AGRO-INDUSTRIAL TIRES

Technical Manual



Cultor

INTRODUCTION

The extensive technical data and other information relating to tires 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 tire sizes given in this guide are not always identical to our available range.

Cultor brand is tire brands for agricultural machines and other special vehicles. Cultor tires are being produced in the Czech Republic, the United States, Serbia and promoted through a global sales and distribution network.

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

Edition 2022

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	13.6-36	AS-Agri 13	36
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List of tire sizes

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Inch	Tire size	Tread pattern	Page
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RD-03

Tractor tire 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 tires
- 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

RD-03

TECHNICAL DATA

Tire size	Service descrip-tion LI/SS	Rim (permitted)	Section width (mm)	Overall diameter (mm)	Loaded static radius (mm)	Rolling circum-ference (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

Tire load capacity (kg) at tire 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
		2 300	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
		2 010	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

RD-03

TECHNICAL DATA

Tire size	Service description LI/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 W 18 L W 15 L	523 543 513	1 579	710	4 710	750	
600/65 R 34	151 D (154 A8)	W 18 L DW 18 L W 16 L	587 587 570	1 632	725	4 850	775	
540/65 R 38	147 D (150 A8)	W 16 L W 18 L W 15 L	522 542 512	1 681	752	5 003	800	
600/65 R 38	153 D (156 A8)	W 18 L DW 18 L W 16 L	588 588 568	1 742	781	5 212	825	
650/65 R 38	157 D (160 A8)	W 18 L DW 20 B	626 646	1 829	809	5 410	875	
650/65 R 38	166 D (169 A8)	W 18 L DW 20 B	626 646	1 829	809	5 410	875	
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 DW 18L	635 615	1 926	868	5 767	925	

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 tires in the furrow, a minimum inflation pressure of 0.8 bar is required.

RD-03

Tire load capacity (kg) at tire 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	6 345			10
			3 155	3 450	3 790	4 125	4 530	4 875	**5 300**	65
		2 985	3 315	3 625	3 980	4 330	4 760	5 120	5 565	50
	2 740	3 110	3 455	3 780	4 150	4 500	4 960	5 300	**5 800**	40
	2 880	3 270	3 630	3 970	4 360	4 745	5 210	5 605	6 095	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 tires – may be used with a tube.

RD-02

70 series tires 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

RD-02

TECHNICAL DATA

Tire size	Service description LI/SS	Rim (permitted)	Section width (mm)	Overall diameter (mm)	Loaded static radius (mm)	Rolling circumference (mm)	Speed radius index	
320/70 R 24	116 A8 (116 B)	W 10 W 11 W 9	320 330 310	1 095	505	3 276	525	
360/70 R 24	122 A8 (122 B)	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	130 A8 (130 B)	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	148 A8 (148 B)	W 16 L W 18 L W 15 L	523 543 513	1 644	734	4 927	775	

RD 02

Tire load capacity (kg) at tire 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

RD-02

TECHNICAL DATA

Tire size	Service description LI/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	155 A8 (155 B)	W 18 L	570	1 829	819	5 442	875	

30 km/h (up to 40 km/h) load values also apply for low-speed high-torque field work.
For plowing with single driven tires 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 tires – may be used with a tube.

RD 02

Tire load capacity (kg) at tire 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 tires 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

RD-01

TECHNICAL DATA

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

RD 01

Tire load capacity (kg) at tire 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

RD-01

TECHNICAL DATA

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

RD 01

Tire load capacity (kg) at tire 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	1 280	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	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	3 775					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

RD-01

TECHNICAL DATA

Tire size	Service description LI/SS	Rim (permitted)	Section width (mm)	Overall diameter (mm)	Loaded static radius (mm)	Rolling circumference (mm)	Speed radius index	
420/85 R 38 (16.9R38)	144 A8 (141 B)	W 15 W 14 W 13	446 436 426	1 675	764	5 020	800	
460/85 R 38 (18.4R38)	149 A8 (146 B)	W 16 W 15 W 14	473 463 453	1 735	793	5 230	825	
520/85 R 38 (20.8R38)	155 A8 (152 B)	W 16 W 18	536 556	1 828	814	5 442	875	
480/80 R 42	151 A8 (151 B)	W 16 W 15 W 14	513 503 495	1 850	835	5 540	875	
520/85 R 42 (20.8R42)	162 A8 (162 B)	W 16 W 18	537 557	1 950	891	5 845	925	
480/80 R 46	158 A8 (158 B)	W 16 W 15 W 14	507 497 487	1 960	896	5 886	925	

30 km/h (up to 40 km/h) load values also apply for low-speed high-torque field work.
For plowing with single driven tires 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 tires – may be used with a tube.

RD 01

Tire load capacity (kg) at tire 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	
		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

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		
	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	

	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**


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

AS-Agri

Standard cross-ply tires 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

AS-Agri

TECHNICAL DATA

Tire size	Tread pattern	Ply rating (PR)	TT/TL	Rim (permitted)	Tube	Section width (mm)	Overall diameter (mm)	
7.5L - 15	AS-Agri 10	6	TT	6 LB (5½)	7.5-15/28x9.00-15	213	762	
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	8	TT	W10 (W9)	9.5/11.2-24	284	1 105	
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	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	
13.6 - 24	AS-Agri 13	8	TT/TL	W12 (W11)	13.6-24	363	1 217	
14.9/80 - 24	AS-Agri 10	12	TT	W11 (W13; W12)	14.9/80-24	358	1 215	
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	
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	

AS-Agri 06 AS-Agri 07 AS-Agri 10 AS-Agri 13 AS-Agri 19

	Loaded static radius (mm)	Rolling circumference (mm)	Tire load capacity (kg)				Tire pressure (bar)
			Speed (km/h)				
			10	20	30	40	
	355	2 275	995	945	820	730	2.8
	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	1 750	1 500	1 250	1 000	2.4
	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
	541	3 485	2 700	2 000	1 930	1 800	3.5
	556	3 581	2 170	1 860	1 550	1 240	2.0
	565	3 642	3 120	2 880	2 400	1 920	3.4
	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
	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

AS-Agri

TECHNICAL DATA

Tire size	Tread pattern	Ply rating (PR)	TT/TL	Rim (permitted)	Tube	Section width (mm)	Overall diameter (mm)	
12.4 - 28	AS-Agri 20	8	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 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	
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	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	

AS-Agri 10 AS-Agri 13 AS-Agri 19 AS-Agri 20

	Loaded static radius (mm)	Rolling circumference (mm)	Tire load capacity (kg)				Tire pressure (bar)
			Speed (km/h)				
			10	20	30	40	
	598	3 750	2 170	1 860	1 550	1 250	2.3
	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
	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
	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	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

AS-Agri

TECHNICAL DATA

Tire size	Tread pattern	Ply rating (PR)	TT/TL	Rim (permitted)	Tube	Section width (mm)	Overall diameter (mm)	
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	
14.00 - 38	AS-Agri 13	8	TT	W12	13.6-38	345	1 565	
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	
9.5 - 42	AS-Agri 10	10	TT	W7 (W8)	9.5-/11.2-42	231	1 505	

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 10 AS-Agri 13 AS-Agri 19

	Loaded static radius (mm)	Rolling circumference (mm)	Tire load capacity (kg)				Tire pressure (bar)
			Speed (km/h)				
			10	20	30	40	
	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
	740	4 670	2 730	2 340	1 950	1 560	2.1
	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
	724	4 595	2 120	1 960	1 640	1 315	3.5

AS-Agri 10

M159

AS-Impl

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

Cultor implement tires 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

AS-Impl

TECHNICAL DATA

Tire size	Tread pattern	Ply rating (PR)	TT/TL	Rim	Section width (mm)	Overall diameter (mm)	Loaded static radius (mm)	
10.0/75 - 15.3	M 159	10	TT	9.00x15.3	277	778	343	
230/70 - 16	AS-Agri 10	10	TL	7.00 (W8; W7)	234	757	335	
270/75 - 16	AS-Agri 10	6	TL	9 (W9; W8)	276	805	363	

For a non-standard application please contact a producer.
These tires are for normal agricultural use and not for continuous highway service.
TL = Tubeless
TT = Tube Type

AS-Agri 10

M159

	Rolling circumference (mm)	Tire load capacity (kg) – drive wheel / free rolling axle					Tire pressure (bar)
		Speed (km/h)					
		10	20	30	40	50	
	2 290	1405 / 2000	1240 / 1770	1090 / 1550			3.90
	2 285	1330 / 1905	1200 / 1715	1065 / 1525	950 / 1 360		4.40
	2 440	1155 / 1650	1040 / 1485	925 / 1320	825 / 1 180		2.30

AW-Impl 11

AW-Impl 12

AW-Impl 13

AW-Impl 14

AW-Impl

Implement tires for free rolling application

Application determines profile.

- AW-Impl 11/12/13/14: ribbed profiles for good road holding and long service life

AW-Impl

TECHNICAL DATA

Tire size	Tread pattern	Ply rating (PR)	TT/TL	Rim	Tube	Section width (mm)	Overall diameter (mm)	Loaded static radius (mm)	
8.00 - 12	AW-Impl 14	6	TT	5.00x12	8.00-12	205	694	321	
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	
11.5/80 - 15.3	AW-Impl 11	14	TT	9.00x15.3	11.5/80-15.3	290	845	386	
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	
340/70 - 18 (13.0/65 - 18)	AW-Impl 11	143 A8	TT	11x18	13.0/65-18	344	951	412	
340/70 - 18 (13.0/65 - 18)	AW-Impl 11	143 A8	TL	11x18	-	344	951	412	
300/90 - 24 (9.00 - 24)	AW-Impl 13	132 A6	TT	8x24	9-24	300	1 150	498	

For a non-standard application please contact a producer.
These tires are for normal agricultural use and not for continuous highway service.
TL = Tubeless | TT = Tube Type

AW-Impl 11 AW-Impl 12 AW-Impl 13 AW-Impl 14

	Rolling circumference (mm)	Tire load capacity (kg)					Tire pressure (bar)
		Speed (km/h)					
		10	20	30	40	50	
	2 040	1 130	1 000	875	790		2.30
	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
	2 485	3 400	3 060	2 720	2 430	2 185	4.75
	2 290	1 705	1 535	1 360	1 220	-	4.75
	2 290	1 890	1 700	1 510	1 350	-	5.50
	2 790	3 815	3 435	3 050	2 725	2 455	5.00
	2 790	3 815	3 435	3 050	2 725	2 455	5.00
	3 370	2 540	2 245	2 000	-	-	3.30


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

AS-Front

Cross-ply steering tires

Cultor front tires 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.

AS-Front

TECHNICAL DATA

Tire 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	
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 09	8	TT	4.50Ex16	6.00-16	165	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 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	

For a non-standard application please contact a producer.
These tires are for normal agricultural use and not for continuous highway service.
TL = Tubeless
TT = Tube Type

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

	Loaded static radius (mm)	Rolling circumference (mm)	Tire load capacity (kg)				Tire pressure (bar)
			Speed (km/h)				
			10	20	30	40	
	330	2125	790	660	530	475	3.9
	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
	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
	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

Tire 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	TL	11x20	12.5-20
16.0/70 - 20	AGRO-INDUSTRIAL 20	14 PR	142 A8	TL	14.00x20	-
400/75 - 20 IND (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	14 PR	145 A8	TL	W16Lx26	-
23.1 - 26	INDUSTRIAL 50	12 PR	162 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	-
440/80 - 30 IND (16.9-30)	INDUSTRIAL 10	14 PR	154 A8	TL	W15Lx30	-

* free rolling / drive wheels

TL = Tubeless Tire
TT = Tube Type

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 (mm)	Tire pressure (bar)	Tire 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	3 798	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	2.70	2 900	40
	572	1 504	696	4 480	1.90	4 750	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 tires clean and away from heat, light, ozone or hydrocarbon sources.
- Avoid prolonged exposure of the tires to direct sunlight.
- Avoid any contact with grease, petrol, volatile solvents or other substances that may deteriorate the rubber.
- Avoid horizontal storage for tubeless tires, only small size tires may be stacked or stored flat (maximum 6 months).
- When tires are stored flat (horizontal), the position must be lug against lug.
- Reduce inflation pressure when tires are stored fitted on rims.
- Ensure there is no water or moisture inside the tire.
- Never store tires directly in contact with the ground for long periods.

TIRE REPAIRS

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

PROPER USE OF TIRES

- When loading tires you have to consider the correlation between speed, inflation pressure and load capacity.
- Overloading results in premature tire 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 tire stiff and decreases its resistance against hits, leading to ply tear.

Check inflation pressure regularly

Avoid contact with grease, oil and other chemicals

Inspect tires for damage and irregularities

Observe tire and vehicle load limits

Read safety and maintenance recommendations

Use only authorised repair

LIQUID BALLASTING OF TRACTOR TIRES

In some cases, it is necessary to add weight to tires to increase traction power. Filling the tire with a liquid (water) is a simple and inexpensive way. It is possible to add liquid to the tires up to 75% of their volume. In winter, to avoid the water damaging the tires 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 tire through this valve while the water is entering.
3. Introduce the water or anti-freeze mixture into the tire. 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 tire to the recommended operating pressure.
5. Clean all metal parts – anti-freeze solution is corrosive.

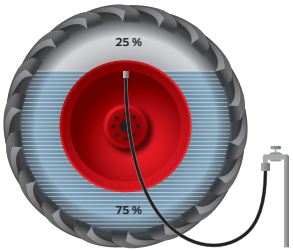
INSTRUCTIONS FOR DRAINING LIQUID

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 tire tube, then screw the washer down over the stem of the valve.
4. Inflate the tire with air.
5. Remove the internal valve stem and let the remaining water drain from the tire.
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 tire 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 tire on the rim, and cause the tire to burst with explosive force leading to serious physical injury or death.

STORAGE

1. Make sure that the rim, the tire and the tube are compatible.
2. Check that the tire is suitable for the machine. Use only rims recommended or permitted by the tire 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 tire 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 tire in order to identify any damage which may be present. If the damage is considered to be beyond repair, the tire should be scrapped.
6. If fitting with a tube, always use the correct new tube and flap for the tire size. For fitting tubeless tires 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 tire (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 tire 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 tire. 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 tire, remove the valve core. Slowly inflate to ensure correct seating of the beads. Ensure that the beads do not pinch the tube.
11. During tire inflation keep at a safe distance and always use a safety cage. If possible, fasten the tire 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 tire 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 tire.

> Always remove the valve core.

> Let the tire deflate, check before unseating that the tire is completely deflated. Never use tools that could damage the rims or the beads
of the tire.

BALLASTING OF TRACTOR TIRES

Quantity when approx. 75 % full			
Tire size Radial tires	Alternative Tire size	Tread pattern	Liquid (l)
280/85 R 24	(11.2R24)	RD-01	85
320/70 R 24		RD-02	100
320/85 R 24	(12.4R24)	RD-01	115
340/85 R 24	(13.6R24)	RD-01	140
360/70 R 24		RD-02	125
380/70 R 24		RD-02	145
380/85 R 24	(14.9R24)	RD-01	185
420/65 R 24		RD-03	165
420/70 R 24		RD-02	170
420/85 R 24	(16.9R24)	RD-01	240
440/65 R 24		RD-03	185
480/65 R 24		RD-03	210
540/65 R 24		RD-03	300
280/85 R 28	(11.2R28)	RD-01	100
320/85 R 28	(12.4R28)	RD-01	130
340/85 R 28	(13.6R28)	RD-01	160
380/70 R 28		RD-02	165
380/85 R 28	(14.9R28)	RD-01	205
420/70 R 28		RD-02	200
420/85 R 28	(16.9R28)	RD-01	250
440/65 R 28		RD-03	200
480/65 R 28		RD-03	250
480/70 R 28		RD-02	260
540/65 R 28		RD-03	315
600/65 R 28		RD-03	400
380/85 R 30	(14.9R30)	RD-01	220
420/85 R 30	(16.9R30)	RD-01	270
460/85 R 30	(18.4R30)	RD-01	340
480/70 R 30		RD-02	275
540/65 R 30		RD-03	330
320/85 R 32	(12.4R32)	RD-01	140
380/85 R 34	(14.9R34)	RD-01	240
420/85 R 34	(16.9R34)	RD-01	290
460/85 R 34	(18.4R34)	RD-01	380
480/70 R 34		RD-02	310

Quantity when approx. 75 % full			
Tire size Radial tires	Alternative Tire size	Tread pattern	Liquid (l)
520/70 R 34		RD-02	335
540/65 R 34		RD-03	360
600/65 R 34		RD-03	465
340/85 R 36	(13.6R36)	RD-01	195
340/85 R 38	(13.6R38)	RD-01	215
420/85 R 38	(16.9R38)	RD-01	320
460/85 R 38	(18.4R38)	RD-01	420
480/70 R 38		RD-02	340
520/70 R 38		RD-02	395
520/85 R 38	(20.8R38)	RD-01	530
540/65 R 38		RD-03	420
580/70 R 38		RD-02	550
600/65 R 38		RD-03	500
650/65 R 38		RD-03	630
710/70 R 38		RD-03	800
480/80 R 42		RD-01	460
520/85 R 42	(20.8R42)	RD-01	580
650/65 R 42		RD-03	650
480/80 R 46		RD-01	500

Quantity when approx. 75 % full	
Tire size Diagonal tires	litres (kg)
8.00-20	45
8.3-24	50
9.5-24	60
11.2-24	75
12.4-24	110
13.6-24	120
14.9/80-24	150
14.9-24	170
16.9-24	220
14.9-26	180
16.9-26	222
23.1-26	450
8.3-28	55
11.2-28	90
12.4-28	125
13.6-28	145
14.9-28	190
16.9-28	250
14.9-30	200
16.9-30	240
18.4-30	330
8.3-32	60
9.5-32	80
12.4-32	140
16.9-34	250
18.4-34	330
8.3-36	70
9.5-36	95
12.4-36	160
13.6-36	180
13.6-38	190
14.0-38	190
16.9-38	290
18.4-38	385
9.5-42	110

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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TIRE DEALER / DISTRIBUTOR:

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