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- Agricultural tyres
- Multipurpose, Earthmoving and Fork Lift tyres
- Motorcycle tyres
- Truck tyres
- Aircraft tyres



- Rubber compounds
- Rubber Moulded Parts
- Antivibrating systems
- Sealing elements
- Rubber roller coatings
- Silicon rubber products
- Rubber-textile fabric products
- V-belts
- Bicycle tyres and tubes



- Rubber processing machinery
- Piston rings
- Art casting
- Casting



- Chemical vessel rubber coating



- Curing moulds and testing

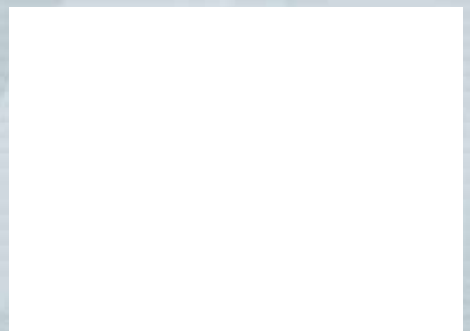


- Global sales network for tyres



MITAS a.s.
 Švehlova 1900
 106 25 Prague 10
 Czech Republic
 Phone: +420 267 111 522
 Fax: +420 271 750 214
 business@mitas.cgs.cz
 www.CGS.eu

Dealer:





Agricultural

AGRICULTURAL TYRES

TECHNICAL INFORMATION 2009

Mitas
Fit for your job

List of Tread Patterns



RD-01



RD-02



RD-03



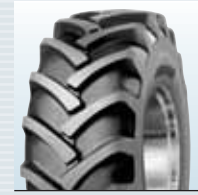
RD-20



RD-30



RD-70



TD-01



TD-02



TD-03



TD-13



TD-17



TD-19



AR-01



AR-02



IM-01



IM-02



IM-03



IM-04



IM-06



IM-07



IM-08



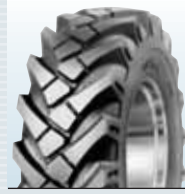
IM-09



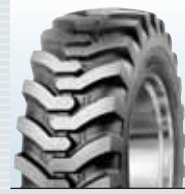
IM-10



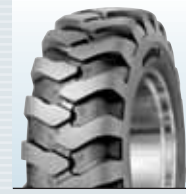
TR-01



TR-03



TR-04



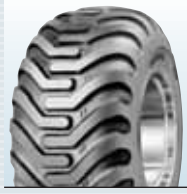
TR-05



TR-06



TR-07



TR-08



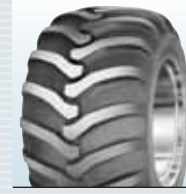
TR-09



TR-10



TR-11



TR-12



TS-01



TS-02



TS-03



TS-04



TS-05



TS-06



TS-07



TF-01



TF-03



TF-04



TF-05



TF-06



F 3 (IM-05)



B 1



S-03



B 5

List of Tyre Sizes	2
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RD Tractor Radial Drive	8
TD Tractor Drive (diagonal)	16
AR Agricultural Radial	20
IM Implement Non Traction	22
TR Implement Traction	26
TS Tractor Small	30
TF Tractor Front	34
B Bantam	36
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4-24"

	TYRE SIZE	TREAD PATTERN	PAGE	TREAD PATTERN	PAGE	TREAD PATTERN	PAGE	TREAD PATTERN	PAGE	TREAD PATTERN	PAGE
4"	12 x 4	B 1 AERO	36								
8"	4.00-8 (16 x 4)	TS-01	31	S-03	36	B 5	36	B 5 SUPER	36		
10"	4.00-10	IM-06	23								
	4.0-10	TS-03	31								
	5.0-10	TS-03	31								
12"	5.00-12	TS-02	31								
	6.5/80-12	TS-06	31								
	10.0/80-12	IM-04	23	IM-08	23						
14"	6.5/75-14	TS-02	31								
14.5"	200/60-14.5	IM-10	23								
15"	5.00-15	TS-06	31								
	6.5/80-15	TS-06	31								
	690x180-15	TS-07	31								
	31x15.50-15	TR-06	27	TR-07	27						
15.3"	10.0/75-15.3	IM-04	23	TR-03	27	TR-04	27	TS-05	31		
	11.5/80-15.3	IM-04	23	TR-03	27	TS-05	31				
	12.5/80-15.3	IM-04	23								
15.5"	400/60-15.5	IM-07	23	TR-08	27						
16"	6.00-16	TS-04	31	TD-13	31	TF-01	35	TF-03	35	TF-06	35
	6.50-16	TF-03	35	TF-05	35						
	7.50-16	TS-04	31	TD-13	31	TF-01	35	TF-03	35	TF-05	35
	9.00-16	TF-03	35								
	10.00-16	TF-03	35								
	10.50-16	IM-01	23								
	11L-16	F 3	35								
17"	15.0/55-17	IM-04	23	TR-01	27						
	19.0/45-17	IM-04	23								
	500/50-17	IM-07	23								
17.5"	14-17.5	TR-10	27								
18"	6.00-18	TF-03	35	TF-04	35						
	12.0/75-18	TR-03	27	TR-11	27						
	12.5/80-18	IM-04	23	TR-09	27						
	13.0/65-18	IM-04	23								
	14.5/80-18	IM-03	23	TR-05	27						
	13.00-18	IM-02	23	TO 2	23						
20"	6.50-20	TF-03	35	TF-04	35	TF-05	35				
	7.50-20	TS-04	31	TD-13	31	TF-01	35	TF-03	35	TF-05	35
	8.3-20	TD-13	31								
	400/70-20	TR-01	27								
22.5"	385/65R22.5 (15R22.5)	AR-01	21								
	445/65R22.5 (18R22.5)	AR-01	21								
	500/60-22.5	IM-09	23	TR-08	27	TR-12	27				
	550/60-22.5	IM-09	23	TR-08	27						
	560/60R22.5	AR-02	21								
	600/40-22.5	TR-12	27								
	600/50-22.5	TR-08	27								
24"	8.3-24	TD-02	17								
	9.5-24	TD-02	17								
	11.2-24	TD-02	17	TD-19	17						
	12.4-24	TD-02	17	TD-19	17						
	14.9-24	TD-02	17	TD-19	17						
	16.9-24	TD-02	17	TD-13	17						
	280/85R24 (11.2R24)	RD-01	13								
	320/85R24 (12.4R24)	RD-01	13								
	340/85R24 (13.6R24)	RD-01	13								
	380/85R24 (14.9R24)	RD-01	13								
	420/85R24 (16.9R24)	RD-01	13	RD-30	15						
	320/70R24	RD-70	11								

24-42"

	TYRE SIZE	TREAD PATTERN	PAGE	TREAD PATTERN	PAGE	TREAD PATTERN	PAGE	TREAD PATTERN	PAGE	TREAD PATTERN	PAGE
24"	380/70R24	RD-02	11								
	420/70R24	RD-70	11								
	15.5/80-24	TR-01	27								
	17.5L-24	TR-01	27								
26"	480/65R24	RD-03	9								
	18.4-26	TD-19	17								
28"	23.1-26	TD-01	17								
	11.2-28	TD-02	17								
30"	12.4-28	TD-02	17	TD-19	17						
	13.6-28	TD-19	17								
	14.9-28	TD-02	17	TD-19	17						
	16.9-28	TD-02	17	TD-13	17						
	280/85R28 (11.2R28)	RD-01	13								
	320/85R28 (12.4R28)	RD-01	13	RD-30	15						
	340/85R28 (13.6R28)	RD-01	13								
	380/85R28 (14.9R28)	RD-01	13								
	420/85R28 (16.9R28)	RD-01	13								
	380/70R28	RD-02	11								
	420/70R28	RD-02	11								
	480/70R28	RD-02	11								
	480/65R28	RD-03	9								
	540/65R28	RD-03	9								
	600/65R28	RD-03	9								
	16.9-30	TD-03	17	TD-13	17	TD-17	17				
	18.4-30	TD-02	17	TD-13	17						
	380/85R30 (14.9R30)	RD-01	13	RD-30	15						
	420/85R30 (16.9R30)	RD-01	13								
	460/85R30 (18.4R30)	RD-01	13								
480/70R30	RD-02	11									
540/65R30	RD-03	9									
32"	9.5-32	TD-13	17								
	12.4-32	TD-13	17								
	320/85R32 (12.4R32)	RD-01	13	RD-30	15						
34"	16.9-34	TD-02	17	TD-17	17						
	18.4-34	TD-02	17	TD-19	17						
	420/85R34 (16.9R34)	RD-01	14	RD-20	14						
	460/85R34 (18.4R34)	RD-01	14	RD-20	14						
	480/70R34	RD-02	11								
	600/65R34	RD-03	9								
36"	12.4-36	TD-13	17								
	13.6-36	TD-13	17								
	340/85R36 (13.6R36)	RD-01	14								
38"	13.6-38	TD-02	17	TD-13	17						
	16.9-38	TD-13	17								
	18.4-38	TD-02	17	TD-19	17						
	340/85R38 (13.6R38)	RD-01	14	RD-30	15						
	420/85R38 (16.9R38)	RD-01	14								
	460/85R38 (18.4R38)	RD-01	14	RD-20	15						
	520/85R38 (20.8R38)	RD-01	14	RD-20	15						
	480/70R38	RD-02	11								
	520/70R38	RD-02	11								
	580/70R38	RD-70	11								
	600/65R38	RD-03	9								
42"	650/65R38	RD-03	9								
	710/70R38	RD-03	9								
	520/85R42 (20.8R42)	RD-01	14	RD-20	15						
	650/65R42	RD-03	9								

340/85R24	
340	Nominal Section Width (in mm)
85	Aspect Ratio H/SW (in %)
R	Radial construction
24	Nominal Rim Diameter (in inches)

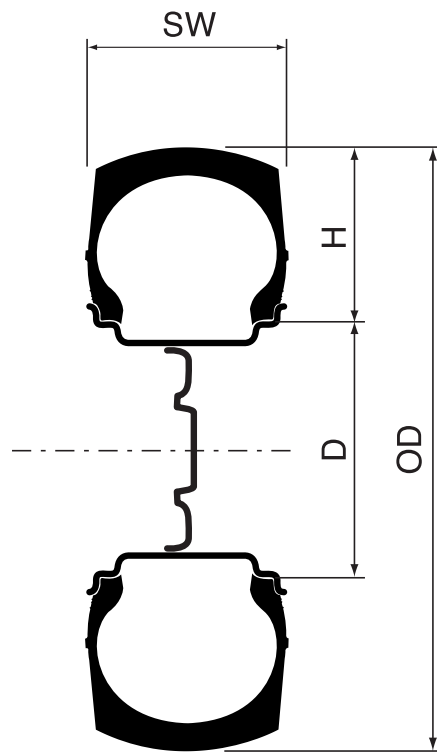
15.0/55-17	
15.0	Nominal Section Width (in inches)
55	Aspect Ratio H/SW (in %)
-	Cross-ply construction
17	Nominal Rim Diameter (in inches)

31x15.50-15	
31	Overall Diameter (in inches)
15.50	Nominal Section Width (in inches)
-	Cross-ply construction
15	Nominal Rim Diameter (in inches)

17.5L-24	
17.5	Nominal Section Width (in inches)
L	Reduced Aspect Ratio
-	Cross-ply construction
24	Nominal Rim Diameter (in inches)

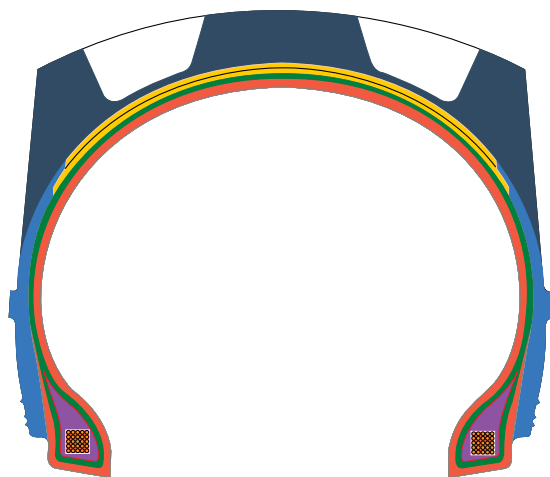
7.50-20	
7.50	Nominal Section Width (in inches)
-	Cross-ply construction
20	Nominal Rim Diameter (in inches)

16 x 4	
16	Overall Diameter (in inches)
4	Nominal Section Width (in inches)

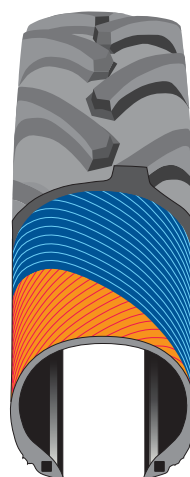


SW Section Width
 OD Overall Diameter
 H Section Height
 D Rim Diameter

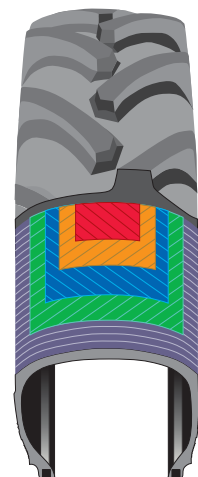
Tyre Structure



- Tread Pattern
- Breaker Cord
- VG Inner Liner
- Carcass Cord
- Sidewall
- Apex
- Bead Wire



Bias (Diagonal, cross-ply) Tyre - A pneumatic tyre in which the ply cords extend to the beads and are laid at alternate angles substantially less than 90° to the centre-line of the tread.



Radial Ply Tyre - A pneumatic tyre in which the ply cords extend to the beads and are laid substantially at 90° to the centre-line of the tread, the carcass being stabilised by an essentially inextensible circumferential belt.



MITAS	Trade Mark of Producer
420/85R34	Tyre Size Marking
16.9R34	Alternative Tyre Size Marking
RD-01	Tread Pattern Code
142	Load Index (LI 142=2650kg)
A8	Speed Symbol (A8=40km/h)
139	Load Index (LI 139=2430kg)
B	Speed Symbol (B=50km/h)
TUBELESS	Tubeless Tyre
▷▷	Direction of Rotation
R-1	US Tread Profile Marking

ACRONYMS	MEANING	DEFINITION
PR	Ply Rating	Identifies different versions (load capacity/inflation pressure) of tyres having the same size designation.
TYPE	Tubeless or Tube Type	Tubeless (TL) - Tyres specifically designed for fitment without an inner tube on appropriate rims. Tubeless tyres may be used with a tube.
LI	Load Index	Is a numerical code associated with the maximum load a tyre can carry at the speed indicated by its Speed Symbol under service conditions specified by the tyre manufacturer.
SS	Speed Symbol	Indicates the maximum speed at which the tyre can carry a load corresponding to its Load Index under service conditions specified the tyre manufacturer.
FR	Free Rolling Wheels	Free rolling wheels, that do not transmit motion, e.g. trailer.
DW	Drive Wheels	Drive wheels, which transmit motion, e.g. drive wheel axle on tractors.
RIM	Recommended Rim and Types of Service.	The rim which gives the best fitment of the tyre for all conditions. The rim which is used as Measuring Rim.
RIM (PERMITTED)	Permitted Rim	Any rim which can be permitted in addition to the recommended rim.
NEW	New Tyre Dimensions	The dimensions of an unloaded new tyre mounted on its Measuring Rim at the recommended inflation pressure and allowed to stand for a minimum of 24 hours at normal room temperature before readjustment of the pressure back to its original level.
MAX. IN SERVICE	Maximum Tyre Dimensions in Service	Inflated tyre dimensions, including manufacturing tolerances and growth in service, to be used by vehicle manufacturers in designing for tyre clearances. Distortions of the tyre due to Load, Lateral and Centrifugal Forces are not included.
SW	Section Width (design)	The linear distance between the outsides of the sidewalls of an inflated new tyre excluding elevations due to labelling (marking), decorations, or protective bands or ribs.
OW	Maximum Overall Width in Service	The linear distance between the outside of the sidewalls of an inflated tyre including manufacturing tolerances, tolerances for service growth, elevations due to labelling (markings), decorations, protective bands or ribs.
OD (NEW)	Overall Diameter (design)	The diameter of an inflated tyre at the outermost surface of the tread.
OD (MAX.)	Maximum Overall Diameter in Service (Grown)	The maximum diameter of the new tyre, after 24 hours inflation growth including manufacturing tolerances and tolerances for service growth.
SR	Static Radius (theoretical nominal)	The radius of the new tyre loaded at the maximum load capacity and with the corresponding tyre pressure.
RC	Rolling Circumference (theoretical nominal)	The circumference of the tyre loaded at the maximum load capacity and with the corresponding tyre pressure.
LOAD CAPACITY	Tyre Load Carrying Capacity	The maximum load (kg) a tyre is permitted to carry under specified operating conditions. In the case of twin-fitted driven wheels, a factor of 1.76 is applied to the load capacity of a single fitment tyre.
INFLATION	Inflation Pressure	The "cold" pressure (kPa) of the fluid with which the tyre is inflated.
HLV	High Load Variation	Is where the tyre load varies by a factor of "2" or more between loaded and unloaded conditions. The inflation pressure for HLV application must be increased, consult tyre manufacturer. In the case of HLV, the maximum distance should not exceed 1 km and maximum speed 10 km/h. For a longer distance or higher speed, consult tyre manufacturer. Example of purpose: without HLV - normal use with constant load in transport service, on tractor in field service, e.g. trailer, tractor; with HLV - use with various load conditions, factor > 2 between loaded and unloaded, e.g. loaders.
LLV	Low Load Variation	Standard application with low load difference between loaded and unloaded conditions.
WATER 75%	Capacity of Water	Capacity of water for Water ballasting.
ETRTO	The European Tyre and Rim Technical Organisation	Data in this Technical Databook are relevant to ETRTO standards, where further data can be found.
SRI	Speed Radius Index	The Speed Radius Index is by convention a parameter used exclusively for the calculation of the theoretical speed of tractors during European Union homologation procedures and for interchangeability of different tyre sizes
Nominal Section Width		The section width of an inflated tyre mounted on its theoretical rim and indicated in the tyre size designation.
IND		Agricultural tyres for traction wheels for construction applications with load capacities and inflation pressures which differ from those for tyres with the same size designation for use on agricultural tractors.
REINFORCED		Tyres with better protection against tyre damage (puncture). The load capacity and tyre dimensions remain the same as standard specification.

LOAD INDEX

LI	kg	LI	kg	LI	kg	LI	kg	LI	kg	LI	kg
30	106	54	212	78	425	102	850	126	1700	150	3350
31	109	55	218	79	437	103	875	127	1750	151	3450
32	112	56	224	80	450	104	900	128	1800	152	3550
33	115	57	230	81	462	105	925	129	1850	153	3650
34	118	58	236	82	475	106	950	130	1900	154	3750
35	121	59	243	83	487	107	975	131	1950	155	3875
36	125	60	250	84	500	108	1000	132	2000	156	4000
37	128	61	257	85	515	109	1030	133	2060	157	4125
38	132	62	265	86	530	110	1060	134	2120	158	4250
39	136	63	272	87	545	111	1090	135	2180	159	4375
40	140	64	280	88	560	112	1120	136	2240	160	4500
41	145	65	290	89	580	113	1150	137	2300	161	4625
42	150	66	300	90	600	114	1180	138	2360	162	4750
43	155	67	307	91	615	115	1215	139	2430	163	4875
44	160	68	315	92	630	116	1250	140	2500	164	5000
45	165	69	325	93	650	117	1285	141	2575	165	5150
46	170	70	335	94	670	118	1320	142	2650	166	5300
47	175	71	345	95	690	119	1360	143	2725	167	5450
48	180	72	355	96	710	120	1400	144	2800	168	5600
49	185	73	365	97	730	121	1450	145	2900	169	5800
50	190	74	375	98	750	122	1500	146	3000	170	6000
51	195	75	387	99	775	123	1550	147	3075	171	6150
52	200	76	400	100	800	124	1600	148	3150	172	6300
53	206	77	412	101	825	125	1650	149	3250	173	6500

SPEED CATEGORY

SPEED SYMBOL	A1	A2	A3	A4	A5	A6	A7	A8	B	D	F	J	K
SPEED (km/h)	5	10	15	20	25	30	35	40	50	65	80	100	110

PRESSURE UNITS CONVERSION TABLE

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

kPa	600	650	700	750	800	850	900	950	1000	1050
bar	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5
p.s.i.	87	94	102	109	116	123	131	138	145	152

UNITS CONVERSION TABLE

LENGTH
1 millimeter (mm) = 0,3937"
1 inch (") = 25,4 mm = 0,0254 m
1 meter (m) = 3,281 ft
1 foot (ft) = 0,3048 m
1 kilometer (km) = 0,6214 mile
1 mile = 1609 m = 1,609 km

MASS
1 pound (lb) = 0,4536 kg
1 kilogram (kg) = 2,205 lb

VOLUME
1 liter (l) = 0,21 gallon
1 imperial gallon (imp.gal) = 4,55 l

PRESSURE
1 p.s.i. (lb/in ²) = 6,895 kPa
1 kg/cm ² = 98,066 kPa
1 bar = 100 kPa
-
-
-

TRACTOR RADIAL DRIVE TYRES - 65% SERIES

RD-03

- New generation of low-profile tractor tyre
- Higher load capacity

- Radial construction
- Excellent grip and traction, less slip
- Bigger contact area, reducing pressure on the soil
- Reduced fuel consumption
- Maximum speed 65 km/h
- Lower rolling resistance



RD-03

RIM (PERMITTED)	TYRE DIMENSIONS (mm)								WATER 75% (l)	LOAD CAPACITY (kg)								SPEED (km/h)		
	NEW		MAX. IN SERVICE		SR	RC	SRI	INFLATION (kPa)												
	OD	SW	OD	OW				60		80	100	120	140	160	210	240	300			
24"	480/65R24		133D / 136A8 TL*									1605	1755	1910	2060				65	
	(W13)		453		483						1515	1685	1840	2005	2165			50		
	(W14L)		463		493					1395	1580	1755	1920	2090	2240			40		
	W15L	1256	473	1286	503	570	3764	600	210	1465	1660	1845	2015	2195	2370			30		
										1780	2020	2245	2455	2675	2885	3385			10	
28"	480/65R28		136D / 139A8 TL									1720	1880	2060	2240				65	
	(W13L)		455		485						1625	1805	1975	2165	2350			50		
	(W14L)		465		495					1495	1695	1885	2060	2260	2430			40		
	W15L	1355	475	1385	505	616	4064	650	255	1570	1780	1980	2160	2370	2575			30		
										1910	2165	2410	2630	2885	3135	3680			10	
	540/65R28		142D / 145A8 TL									2065	2255	2455	2650				65	
	W16L	1411	537	1441	567	624	4197	675	308		1950	2165	2365	2580	2785			50		
	(W18L)		557		587					1790	2035	2260	2470	2690	2900			40		
	(W15L)		527		557					1880	2135	2375	2595	2825	3050			30		
										2290	2600	2890	3155	3440	3710	4360			10	
30"	600/65R28		147D / 150A8 TL*									2430	2660	2875	3075				65	
	(W16L)		570		600						2300	2555	2790	3020	3230			50		
	W18L	1490	590	1520	620	661	4411	700	400	2110	2395	2665	2910	3145	3350			40		
	(DW18L)		590		620					2220	2515	2795	3055	3305	3535			30		
										2700	3605	3405	3720	4025	4305	5050			10	
	540/65R30		150D / 153A8 TL									2130	2325	2545	2760	3080	3350			65
	W16L	1485	530	1515	560	664	4419	700	330		2010	2235	2440	2675	2895	3235	3520		50	
	(W18L)		550		580					1850	2100	2330	2545	2790	3020	3375	3650		40	
	(W15L)		520		550					1940	2205	2450	2675	2930	3175	3545	3855		30	
										2365	2680	2980	3255	3565	3865	4315	4690	5500	10	
34"	600/65R34		151D / 154A8 TL*									2650	2900	3180	3450				65	
	W18L	1648	592	1678	622	737	4904	775	465		2505	2785	3045	3335	3625			50		
	(DW18L)		592		622					2300	2615	2905	3175	3480	3780			40		
	(W16L)		572		602					2420	2745	3050	3330	3655	3970			30		
										2945	3340	3710	4055	4450	4830	5665			10	
38"	600/65R38		153D / 156A8 TL									2795	3050	3355	3650				65	
	W18L	1759	590	1789	620	792	5251	825	521		2640	2935	3205	3525	3835			50		
	(DW18L)		590		620					2425	2755	3060	3340	3675	4000			40		
	(W16L)		570		600					2545	2890	3210	3510	3860	4200			30		
										3100	3520	3910	4275	4695	5110	5995			10	
	650/65R38		157D / 160A8 TL									3155	3450	3790	4125				65	
	(W18L)	1828	618	1858	648	810	5416	875	630		2985	3315	3625	3980	4330			50		
	DW20A		638		668					2740	3110	3455	3780	4150	4500			40		
	(W16L)		598		628					2880	3270	3630	3970	4360	4745			30		
										3505	3980	4420	4830	5310	5775	6775			10	
38"	710/70R38		168D / 171A8 TL*									4200	4590	5095	5600				65	
	DW23A	1935	710	1965	740	857	1925	925	800		3970	4410	4820	5350	5880			50		
	DW23B		710		740					3690	4150	4615	5045	5595	6150			40		
										3865	4350	4830	5280	5860	6440			30		
										5095	5645	6115	6430	7135	7840	9170			10	
42"	650/65R42		165D / 168A8 TL									3310	3615	3960	4290	4765	5150			65
	DW20A	1936	645	1966	675	860	5798	925	650		3125	3475	3795	4155	4505	5005	5410		50	
	DW20B		645		675					2875	3260	3625	3960	4335	4700	5220	5600		40	
										3015	3425	3805	4160	4555	4935	5480	5925		30	
									3675	4170	4635	5065	5545	6005	6675	7210	8460	10		

* in preparation

The Inflation Pressure must be increased for:

- road transport and long transport with semi-trailer + 30 kPa
- harvesting machines and front-end loader tractor application + 40 kPa

More complete data you can find on page 19 or contact a producer.

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

TRACTOR RADIAL DRIVE TYRES - 70% SERIES

RD-02

- Low-profile tractor tyre
- Reduced ground pressure

- Radial construction
- Excellent transmission of power
- Improved service life
- Flexible sidewall, improving driving comfort
- Reduced fuel consumption

RD-70

- Low-profile tractor tyre
- Economical and powerful

- Radial construction
- Higher carrying capacity
- Very good grip and traction
- Bigger contact area, reducing pressure on the soil
- Long service life



RD-02

RIM (PERMITTED)	TYRE DIMENSIONS (mm)								WATER 75% (l)	LOAD CAPACITY (kg)						SPEED (km/h)	
	NEW		MAX. IN SERVICE		SR	RC	SRI	INFLATION (kPa)									
	OD	SW	OD	OW				60		80	100	120	140	160	210		
24" 380/70R24	125A8 / 125B TL										1200	1310	1425	1540	1650		50
(W11)									1090	1200	1310	1425	1540	1650		40	
W12	1204	390	1226	409	535	3570	575	160	1170	1290	1410	1530	1650	1770		30	
(W13)										1550	1690	1835	1980	2120	2480	10	
28" 380/70R28	127A8 / 127B TL										1270	1390	1510	1630	1750		50
(W11)									1160	1270	1390	1510	1630	1750		40	
W12	1308	392	411	1330	595	3880	625	180	1250	1370	1500	1625	1750	1870		30	
(W13)										1640	1790	1940	2090	2250	2630	10	
420/70R28	133A8 / 133B TL										1500	1640	1780	1920	2060		50
(W12)		408		429					1360	1500	1640	1780	1920	2060		40	
W13	1360	418	1382	439	609	4060	650	230	1470	1610	1760	1910	2060	2220		30	
(W14L)		429		449						1930	2110	2290	2470	2640	3090	10	
480/70R28	140A8 / 140B TL										1820	1990	2160	2330	2500		50
(W14L)		471		495					1650	1820	1990	2160	2330	2500		40	
W15L	1423	481	1451	505	641	4220	675	300	1780	1960	2140	2320	2500	2680		30	
(W16L)		490		515						2340	2560	2775	2990	3210	3750	10	
30" 480/70R30	141A8 / 141B TL										1870	2050	2225	2400	2575		50
(W14L)									1700	1870	2050	2225	2400	2575		40	
W15L	1484	495	1520	519	665	4422	700	315	1830	2020	2200	2385	2570	2760		30	
(W16L)										2410	2640	2860	3080	3310	3860	10	
34" 480/70R34	143A8 / 143B TL										1980	2170	2355	2540	2725		50
(W14L)									1800	1980	2170	2355	2540	2725		40	
W15L	1589	495	1615	519	707	4735	745	345	1940	2130	2330	2525	2720	2920		30	
(W16L)										2550	2790	3025	3260	3500	4090	10	
38" 480/70R38	145A8 / 145B TL										2110	2310	2505	2700	2900		50
(W14L)		471		495					1910	2110	2310	2505	2700	2900		40	
W15L	1680	481	1709	505	770	5095	800	375	2060	2270	2480	2690	2900	3100		30	
(W16L)		490		515						2720	2970	3220	3470	3720	4350	10	
520/70R38	150A8 / 150B TL										2440	2670	2895	3120	3350		50
(W15L)		509		535					2210	2440	2670	2895	3120	3350		40	
W16L	1765	519	1797	545	802	5243	825	465	2380	2620	2860	3100	3340	3580		30	
(W18L)		539		565						3140	3430	3720	4010	4300	5030	10	

RD-70

RIM (PERMITTED)	TYRE DIMENSIONS (mm)								WATER 75% (l)	LOAD CAPACITY (kg)						SPEED (km/h)	
	NEW		MAX. IN SERVICE		SR	RC	SRI	INFLATION (kPa)									
	OD	SW	OD	OW				60		80	100	120	140	160	210		
24" 320/70R24	116A8 / 116B TL										910	1000	1085	1170	1250		50
W10	1103	332	1121	348	495	3275	525	105	830	910	1000	1085	1170	1250		40	
(W11)		342		358					890	980	1070	1160	1250	1340		30	
										1170	1280	1390	1500	1600	1880	10	
420/70R24	130A8 / 130B TL										1380	1510	1640	1770	1900		50
(W12)									1250	1380	1510	1640	1770	1900		40	
W13	1256	433	1280	454	565	3720	600	203	1350	1490	1620	1760	1900	2030		30	
(W14L)										1780	1950	2110	2270	2440	2850	10	
38" 580/70R38	155A8 / 155B TL										2820	3080	3345	3610	3880		50
(W18L)									2560	2820	3080	3345	3610	3880		40	
DW18L	1852	593	1884	622	832	5520	875	590	2760	3040	3310	3590	3870	4150		30	
										3630	3970	4305	4640	4970	5810	10	

The Inflation Pressure must be increased for:

- road transport and long-distance transport with semi-trailer + 30 kPa
- harvesting machines and front-end loader tractor application + 40 kPa

More complete data you can be find on page 19 or contact a producer.

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

TRACTOR RADIAL DRIVE TYRES - 85% SERIES

RD-01

- New generation of standard profile tractor tyre
- Higher load capacity

- Radial construction
- Excellent grip and traction, less slip
- Prolonged working life
- Optimised driving comfort
- Lower operating pressure
- Reduced rolling resistance

RD-20

- Standard profile tractor tyre
- Optimal ground pressure

- Radial construction
- Excellent grip
- Increased contact area
- Reduced rolling resistance
- Suitable for use on flat and gently sloping terrains

RD-30

- Standard profile tractor tyre
- Economical and powerful

- Radial construction
- Effective selfcleaning properties
- Flexible sidewall, improving driving comfort
- Special design of lugs for excellent grip and traction
- Long service life



RD-01

RIM (PERMITTED)	TYRE DIMENSIONS (mm)								WATER 75% (!)	LOAD CAPACITY (kg)								SPEED (km/h)	
	NEW		MAX. IN SERVICE		SR	RC	SRI	INFLATION (kPa)											
	OD	SW	OD	OW				60		80	100	120	140	160	210	240	300		400
24"	280/85R24 (11.2R24)										870	960	1040	1120					50
	(W9)		278		292						870	950	1040	1130	1215			40	
	W10L	1100	288	1129	302	500	3258	525	95	850	920	990	1100	1200	1300			30	
	(DW10)									1040	1140	1240	1350	1450	1560	1820		10	
	320/85R24 (12.4R24)										1060	1160	1260	1360				50	
	(DW,W10L)		314		330						1080	1170	1280	1390	1500			40	
	W11	1150	324	1175	340	520	3404	550	110	1040	1140	1230	1350	1480	1610			30	
	(DW11)									1280	1410	1530	1660	1790	1920	2250		10	
	340/85R24 (13.6R24)										1170	1280	1390	1500				50	
	(DW,W11)		343		360						1190	1290	1410	1530	1650			40	
	W12	1188	353	1210	370	540	3535	575	140	1150	1250	1350	1490	1630	1770			30	
	(DW12)									1410	1550	1670	1830	1970	2120	2480		10	
	380/85R24 (14.9R24)										1400	1540	1670	1800				50	
	(DW,W11)		370		389						1400	1520	1660	1810	1950			40	
	(DW,W12)		380		399			600		1360	1480	1600	1760	1920	2090			30	
	W13	1256	390	1281	409	560	3720		180	1670	1830	1990	2160	2330	2500	2930		10	
	420/85R24 (16.9R24)										1675	1845	2000	2145	2300			50	
	W15L	1324	450	1354	470	591	3942	625	240		1675	1845	2000	2145	2300			40	
	(W14L)		440		460					1595	1795	1970	2140	2295	2460			30	
	(W13)		435		455					1940	2175	2395	2600	2790	2990	3450		10	
28"	280/85R28 (11.2R28)										950	1040	1130	1220				50	
	(W9)		287		301						950	1030	1130	1220	1320			40	
	W10	1200	297	1219	311	550	3570	575	100	920	1000	1080	1190	1300	1410			30	
	(DW10)									1130	1240	1350	1460	1580	1690	1980		10	
	320/85R28 (12.4R28)										1130	1240	1340	1450				50	
	(DW,W10L)		312		330						1150	1250	1370	1480	1600			40	
	W11	1253	322	1275	340	565	3734	600	125	1110	1210	1310	1440	1580	1710			30	
	(DW11)									1370	1500	1630	1770	1910	2050	2400		10	
	340/85R28 (13.6R28)										1250	1370	1480	1600				50	
	(DW,W11)		345		362						1260	1370	1490	1620	1750			40	
	W12	1296	355	1319	372	588	3862	625	165	1220	1320	1430	1580	1730	1870			30	
	(DW12)									1500	1640	1790	1940	2090	2240	2630		10	
	380/85R28 (14.9R28)										1480	1620	1760	1900				50	
	(DW,W11)		370		389						1480	1610	1760	1910	2060			40	
	(DW,W12)		380		399					1430	1560	1690	1860	2030	2200			30	
	W13	1360	390	1386	409	614	4039	650	205	1760	1930	2100	2280	2460	2640	3090		10	
	420/85R28 (16.9R28)										1750	1910	2080	2240				50	
	(DW,W14L)		428		449						1750	1900	2070	2250	2430			40	
	W15L	1425	439	1454	460	642	4240	675	263	1690	1840	1990	2190	2400	2600			30	
	(DW15L)									2080	2280	2480	2690	2900	3110	3650		10	
30"	380/85R30 (14.9R30)										1585	1740	1890	2025	2180			50	
	(W11)		390		420						1585	1740	1890	2025	2180			40	
	W12	1420	400	1450	430	641	4255	675	220	1510	1695	1865	2020	2170	2335			30	
	(W13)		410		440					1835	2060	2265	2460	2635	2835	3270		10	
	420/85R30 (16.9R30)										1790	1960	2130	2300				50	
	(DW,W14L)		428		449						1800	1950	2130	2320	2500			40	
	W15L	1475	438	1505	460	665	4385	700	285	1740	1890	2050	2260	2470	2680			30	
	(DW15L)									2140	2340	2550	2770	2990	3200	3750		10	
	460/85R30 (18.4R30)										2070	2260	2460	2650				50	
	(W15L)		468		491						2090	2260	2470	2690	2900			40	
	W16L	1547	478	1579	481	690	4584	725	345	2020	2200	2370	2620	2860	3100			30	
										2480	2720	2960	3210	3460	3720	4350		10	
32"	320/85R32 (12.4R32)										1280	1400	1555	1710	1880	2000	2280	2650	50
	(W9)		300		330						1280	1400	1555	1710	1880	2000	2280	2650	40
	(W10)		310		340						1370	1500	1665	1830	2110	2140	2440	2835	30
	W11	1357	320	1387	350	625	4035	625	140		1795	1960	2180	2395	2630	2800	3190	3710	10

* in preparation

RD-01

RIM (PERMITTED)	TYRE DIMENSIONS (mm)								WATER 75% (l)	LOAD CAPACITY (kg)								SPEED (km/h)				
	NEW		MAX. IN SERVICE		SR	RC	SRI	INFLATION (kPa)														
	OD	SW	OD	OW				60		80	100	120	140	160	210	240	300		400			
34" 420/85R34 (16.9R34)	142A8 / 139B TL										1900	2070	2250	2430					50			
(DW,W14L)		428		449						1910	2070	2260	2460	2650					40			
W15L	1578	438	1605	460	716	4685	750	290	1840	2010	2170	2390	2610	2840					30			
(DW15L)									2270	2480	2700	2930	3170	3400	3980					10		
460/85R34 (18.4R34)	147A8 / 144B TL										2180	2390	2590	2800					50			
(DW,W15L)		465		488						2210	2400	2620	2850	3075					40			
W16L	1646	475	1677	499	743	4890	775	390	2140	2330	2520	2770	3030	3290					30			
(DW16L)									2630	2880	3140	3400	3670	3940	4610					10		
36" 340/85R36 (13.6R36)	132A8 / 129B TL										1440	1580	1710	1850					50			
(W11)		344		361						1440	1560	1710	1850	2000					40			
W12	1503	354	1527	371	685	4479	725	190	1390	1510	1640	1800	1970	2140					30			
									1710	1880	2040	2210	2390	2560	3000					10		
38" 340/85R38 (13.6R38)	133A8 / 133B TL*										1500	1655	1795	1925	2060					50		
(W11)		350		380						1500	1655	1795	1925	2060					40			
W12	1550	360	1580	390	719	1562	750	215	1430	1605	1770	1920	2060	2205					30			
									1740	1955	2150	2335	2500	2680	3090					10		
420/85R38 (16.9R38)	144A8 / 141B TL										2010	2200	2390	2575					50			
(W14L)		428		449						2020	2180	2390	2590	2800					40			
W15L	1679	438	1708	460	764	5020	800	320	1950	2120	2290	2530	2760	3000					30			
(DW15L)									2390	2630	2860	3100	3340	3590	4200					10		
460/85R38 (18.4R38)	149A8 / 146B TL										2340	2560	2780	3000					50			
(W15L)		465		488						2340	2540	2770	3010	3250					40			
W16L	1747	475	1778	499	793	5190	825	415	2260	2460	2660	2930	3210	3480					30			
(DW16L)									2780	3050	3320	3600	3880	4170	4880					10		
520/85R38 (20.8R38)	155A8 / 152B TL										2770	3030	3290	3550					50			
(W16L)		516		542						2790	3020	3310	3590	3875					40			
W18L	1849	536	1885	563	829	5490	875	520	2700	2930	3170	3500	3820	4150					30			
(DW18L)									3310	3630	3950	4290	4630	4970	5810					10		
42" 520/85R42 (20.8R42)	162A8 / 162B TL										2995	3300	3575	3840	4075	4520	4750				50	
DW16L	1951	540	1981	570	896	5878	925	580		2995	3300	3575	3840	4075	4520	4750				40		
(DW18L)		560		590					2860	3205	3530	3825	4100	4360	4835	5085					30	
									3470	3895	4285	4650	4990	5300	5875	6175	7125					10

* in preparation

The Inflation Pressure must be increased for:

- road transport and long-distance transport with semi-trailer + 30 kPa
- harvesting machines and front-end loader tractor application + 40 kPa

More complete data you can find on page 19 or contact a producer.

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

RD-20

RIM (PERMITTED)	TYRE DIMENSIONS (mm)								WATER 75% (l)	LOAD CAPACITY (kg)							SPEED (km/h)
	NEW		MAX. IN SERVICE		SR	RC	SRI	INFLATION (kPa)									
	OD	SW	OD	OW				100		110	120	130	140	150	160		
34" 16.9R34	139A8 TL									1660	1745	1835	1945	2035	2120	2210	50
(W14L)									1800	1910	2020	2130	2230	2330	2430	40	
W15L	1575	429	1605	463	721	4731	750	320	1950	2055	2160	2290	2390	2495	2600	30	
									2535	2670	2805	2975	3110	3245	3380	10	
18.4R34	144A8 TL									1910	2015	2115	2245	2345	2450	2550	50
(W15L)									2075	2205	2330	2450	2570	2685	2800	40	
W16L	1645	467	1680	504	750	4937	775	356	2245	2365	2485	2635	2755	2875	2995	30	
									2920	3070	3230	3420	3580	3735	3890	10	

RD-20

RIM (PERMITTED)	TYRE DIMENSIONS (mm)								WATER 75% (l)	LOAD CAPACITY (kg)						SPEED (km/h)
	NEW		MAX. IN SERVICE		SR	RC	SRI	INFLATION (kPa)								
	OD	SW	OD	OW				100		110	120	130	140	150	160	
38" 18.4R38 146A8 TL									2050	2155	2265	2400	2510	2620	2730	50
(W15L)									2220	2360	2495	2625	2755	2880	3000	40
W16L	1750	467	1780	504	800	5262	825	380	2410	2535	2665	2825	2950	3080	3210	30
									3130	3295	3460	3670	3835	4005	4170	10
20.8R38 153A8 TL									2490	2620	2755	2920	3055	3190	3320	50
(W16L)									2700	2870	3035	3195	3350	3500	3650	40
W18L	1835	528	1870	570	830	5471	875	520	2930	3085	3240	3435	3590	3750	3905	30
									3730	3925	4125	4375	4570	4770	4970	10
42" 20.8R42 156A8 TL									2730	2875	3020	3205	3350	3495	3640	50
DW18	1935	528	1965	570	892	5826	925	550	2860	3060	3240	3420	3605	3800	4000	40
									3210	3380	3550	3765	3940	4110	4280	30
									4080	4300	4515	4785	5005	5220	5440	10

RD-30

RIM (PERMITTED)	TYRE DIMENSIONS (mm)								WATER 75% (l)	LOAD CAPACITY (kg)						SPEED (km/h)
	NEW		MAX. IN SERVICE		SR	RC	SRI	INFLATION (kPa)								
	OD	SW	OD	OW				100		110	120	130	140	150	160	
24" 16.9R24 134A8 TL									1450	1525	1600	1700	1775	1855	1930	50
(W14L)									1570	1665	1760	1855	1950	2035	2120	40
W15L	1320	429	1350	463	596	3968	625	240	1705	1795	1885	2000	2090	2180	2270	30
									2210	2325	2445	2590	2710	2830	2945	10
28" 12.4R28 121A8 TL									990	1040	1095	1160	1215	1270	1320	50
(W9)									1075	1140	1205	1270	1330	1390	1450	40
(W10)									1160	1225	1285	1365	1425	1490	1550	30
W11	1250	315	1275	340	569	3724	600	135	1510	1590	1670		1855	1935	2015	10
30" 14.9R30 129A8 TL									1265	1330	1400	1480	1550	1620	1685	50
(W11)									1370	1455	1540	1620	1700	1775	1850	40
(W12)									1485	1565	1645	1740	1820	1900	1980	30
W13	1400	378	1425	408	631	4180	675	215	1930	2030	2135	2260	2365	2470	2570	10
32" 12.4R32 130A8 TL									1300	1365	1435	1520	1590	1660	1730	50
(W9)									1405	1495	1575	1665	1750	1825	1900	40
W10	1350	315	1375	340	616	4008	625	150	1525	1610	1690	1790	1870	1955	2035	30
(W11)									1980	2085	2190	2325	2430	2535	2640	10
38" 13.6R38 128A8 TL									1230	1295	1360	1445	1510	1575	1640	50
(W11)									1330	1415	1495	1575	1655	1725	1800	40
W12	1550	345	1575	373	726	4675	750	205	1445	1520	1600	1695	1770	1850	1925	30
									1875	1975	2075	2200	2300	2400	2500	10

EQUIVALENT SIZES WITH RESPECT OVERALL DIAMETER

STANDARD	85% SERIES	70% SERIES	65% SERIES
11.2R24	280/85R24	320/70R24	
12.4R24	320/85R24		
13.6R24	340/85R24	380/70R24	
14.9R24	380/85R24	420/70R24	480/65R24
16.9R24	420/85R24		
11.2R28	280/85R28		
12.4R28	320/85R28		
13.6R28	340/85R28	380/70R28	
14.9R28	380/85R28	420/70R28	480/65R28
16.9R28	420/85R28	480/70R28	540/65R28
14.9R30	380/85R30		

STANDARD	85% SERIES	70% SERIES	65% SERIES
16.9R30	420/85R30	480/70R30	540/65R30
18.4R30	460/85R30		
12.4R32	320/85R32		
16.9R34	420/85R34	480/70R34	
18.4R34	460/85R34		600/65R34
13.6R36	340/85R36		
13.6R38	340/85R38		
16.9R38	420/85R38	480/70R38	
18.4R38	460/85R38	520/70R38	600/65R38
20.8R38	520/85R38	580/70R38	650/65R38
20.8R42	520/85R42	710/70R38	650/65R42

TRACTOR DRIVE TYRES (diagonal)

Tyres suitable above all for agricultural tractors and agricultural self-propelled application.

TD-01

Traction pattern with good durability, also suitable for industrial application as well.



TD-02

"Classical" tractor tread pattern with excellent traction.



TD-03

Tractor tread pattern suitable above all for harder conditions due to optimised number of lugs.



TD-13

A well-tested and proven tread design for tractor.



TD-17

Tread pattern with the significant increase of depth of the tread lugs.



TD-19

Traction tread pattern with increased central rib surface.



Old	Temporary	New	in mm
8	8.3/8	8.3	
9	9.5/9	9.5	240
10	11.2/10	11.2	280
11	12.4/11	12.4	320
12	13.6/12	13.6	340
13	14.9/13	14.9	380
14	16.9/14	16.9	420
15	18.4/15	18.4	460
16	20.8/16	20.8	520
18	23.1/18	23.1	
Sample			
13 - 28	14.9/13 - 28	14.9 - 28	380/85 - 28

	TYRE SIZE	TREAD PATTERN	PR	LI / SS	TYPE	RIM (PERMITTED)	TUBE	TYRE DIMENSIONS (mm)						LOAD CAPACITY (kg) 40 km/h	INFLATION (kPa)
								NEW		MAX. IN SERVICE		SR	RC		
								OD	SW	OD	OW				
24"	8.3-24	TD-02	6	100A6 / 93A8	TT	W7 (W6)	8.3-24/ 9.5-24	995	211	1015	228	470	2935	650	240
	9.5-24	TD-02	8	112A6 / 104A8	TT	W8 (W7)	8.3-24/ 9.5-24	1050	241	1075	260	495	3095	900	280
	11.2-24	TD-02	8	116A6 / 108A8	TT	W10 (W9)	11.2-24	1105	284	1135	307	520	3300	1000	240
	11.2-24	TD-19	8	116A6 / 108A8	TT	W10 (W9)	11.2-24	1105	284	1135	307	520	3300	1000	240
		TD-19	10	119A8	TL									1360	300
	12.4-24	TD-02	8	120A6 / 112A8	TT	W11 (W9,W10)	12.4-24	1160	315	1195	340	539	3473	1120	230
	12.4-24	TD-19	8	120A6 / 112A8	TT	W11 (W9,W10)	12.4-24	1160	315	1195	340	539	3473	1120	230
		TD-19	12	128A8	TL									1800	350
	14.9-24	TD-02	6	123A6 / 116A8	TL	W13	14.9-24	1265	378	1305	408	581	3795	1550	140
TD-19		8	128A6 / 121A8	TT	(W11,W12)								1450	180	
16.9-24	TD-02	8	133A6 / 125A8	TT	W15L (W14L)	16.9-24	1335	429	1380	463	620	3940	1650	170	
	TD-13														
26"	18.4-26	TD-19	12	156A8	TL	W16L (W15L)		1450	467	1500	501	663	4285	4000	250
	23.1-26	TD-01	14	156A8	TL	DW20	(23.1-26)	1605	587	1660	634	760	4720	4000	200
28"	11.2-28	TD-02	6	112A6 / 104A8	TT	W10 (W9)	11.2-28	1205	284	1235	307	565	3555	900	180
			8	118A6 / 110A8										1060	240
	12.4-28	TD-02	6	117A6 / 109A8	TT	W11 (W10)	12.4-28	1260	315	1295	340	598	3750	1030	170
		TD-19	8	123A6 / 116A8										1250	230
			10	126A6 / 121A8										1450	280
	13.6-28	TD-19	6	121A6 / 113A8	TT	W12 (W11)	13.6-28	1310	345	1350	373	612	3853	1150	160
14.9-28	TD-02	8	130A6 / 122A8	TT	W13 (W12)	14.9-28	1365	378	1405	408	627	4113	1500	180	
TD-19															
30"	16.9-28	TD-02	8	135A6 / 127A8	TT	W15L	16.9-28	1435	429	1480	463	670	4235	1750	170
		TD-13	10	139A6 / 131A8		(W14L)								1950	200
	16.9-30	TD-03	8	137A6 / 129A8	TT	W15L	16.9-30	1485	429	1530	463	685	4390	1850	170
TD-13		10	140A6 / 132A8	TT	(W14L)								2000	200	
TD-17		12	143A6 / 135A8	TT									2180	230	
18.4-30	TD-02	8	139A6 / 131A8	TT	W16L	16.9-30	1550	467	1600	504	714	4540	1950	140	
	TD-13	12	149A6 / 141A8	TT	(W15L)								2575	230	
32"	9.5-32	TD-13	6	110A6 / 102A8	TT	W8 (W7)	9.5-32	1250	241	1275	260	597	3695	850	210
	12.4-32	TD-13	6	119A6 / 111A8	TT	W11 (W9,W10)	12.4-32	1360	315	1395	340	633	3975	1090	170
34"	16.9-34	TD-02	8	139A6 / 131A8	TT	W15L	16.9-34	1585	429	1625	463	724	4680	1950	170
		TD-17	10	142A6 / 134A8		(W14L)								2120	200
	18.4-34	TD-02	8	142A6 / 134A8	TT	W16L	16.9-34	1650	467	1700	504	770	4865	2120	140
TD-19		10	146A6 / 139A8		(W15L)	18.4-34							2430	180	
		12	151A6 / 144A8										2800	230	
36"	12.4-36	TD-13	6	121A6 / 113A8	TT	W11 (W10)	12.4-36	1465	315	1500	340	685	4330	1150	170
	13.6-36	TD-13	6	125A6 / 118A8	TT	W12 (W11)	13.6-36	1515	345	1550	373	698	4447	1320	160
38"	13.6-38	TD-02	6	126A6 / 119A8	TT	W12	13.6-38	1565	345	1600	373	740	4615	1360	160
		TD-13											4670		
	16.9-38	TD-13	8	141A6 / 133A8	TT	W15L (W14L)	16.9-38	1685	429	1730	463	795	5091	2060	170
18.4-38	TD-02	8	143A6 / 135A8	TT	W16L (W15L)	18.4-38	1750	467	1795	504	820	5160	2180	140	
TD-19												814	5216		

For Non-standard version, please contact a producer.

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

VARIATION IN LOAD CAPACITY WITH INFLATION

TYRE SIZE	PR	LOAD CAPACITY PER TYRE (kg)				INFLATION (kPa)	
		SPEED (km/h)					
		10	20	30	40		
24"	8.3-24		855	730	610	490	150
			940	800	670	540	180
			1 030	880	735	590	210
		6 PR	1 120	960	800	650	240
	9.5-24		1 220	1 045	870	700	180
			1 330	1 140	950	760	210
			1 465	1 255	1 045	840	250
		8 PR	1 570	1 345	1 120	900	280
	11.2-24		1 330	1 140	950	760	150
			1 485	1 270	1 060	850	180
			1 620	1 385	1 155	925	210
		8 PR	1 750	1 500	1 250	1 000	240
		1 970	1 450	1 400	1 310	280	
10 PR		2 040	1 510	1 460	1 360	300	
12.4-24		1 580	1 355	1 130	905	150	
		1 700	1 460	1 215	970	170	
		1 835	1 570	1 310	1 050	200	
	8 PR	1 960	1 680	1 400	1 120	230	
		2 420	1 790	1 720	1 610	290	
		2 520	1 860	1 800	1 680	310	
14.9-24		2 610	1 930	1 860	1 740	330	
	12 PR	2 700	2 000	1 930	1 800	350	
		1 795	1 535	1 280	1 025	100	
		1 990	1 705	1 420	1 135	120	
	6 PR	2 170	1 860	1 550	1 250	140	
		2 345	2 010	1 675	1 340	160	
16.9-24	8 PR	2 520	2 160	1 800	1 450	180	
		2 240	1 920	1 600	1 280	110	
		2 450	2 100	1 750	1 400	130	
		2 665	2 285	1 905	1 525	150	
26"	18.4-26		2 885	2 470	2 060	1 650	170
			4 785	3 470	3 380	3 190	190
		12 PR	5 430	3 940	3 830	3 620	220
28"	23.1-26	14 PR	6 000	4 360	4 160	4 000	250
			6 000	4 920	4 280	4 000	200
28"	11.2-28		1 260	1 080	900	720	130
			1 415	1 210	1 010	810	150
		6 PR	1 570	1 345	1 120	900	180
			1 710	1 465	1 220	975	210
	12.4-28	8 PR	1 850	1 585	1 320	1 060	240
			1 445	1 235	1 030	825	110
			1 620	1 385	1 155	925	140
		6 PR	1 800	1 540	1 285	1 030	170
	13.6-28		2 005	1 715	1 430	1 145	200
		8 PR	2 170	1 860	1 550	1 250	230
			2 335	2 000	1 650	1 335	250
		10 PR	2 535	2 175	1 790	1 450	280
14.9-28		1 570	1 345	1 120	895	100	
		1 720	1 475	1 230	985	120	
		1 875	1 610	1 340	1 070	140	
	6 PR	2 030	1 740	1 450	1 150	160	
28"	14.9-28		1 905	1 630	1 360	1 090	100
			2 115	1 810	1 510	1 210	120
			2 395	2 050	1 710	1 370	150
		8 PR	2 660	2 280	1 900	1 500	180

TYRE SIZE	PR	LOAD CAPACITY PER TYRE (kg)				INFLATION (kPa)		
		SPEED (km/h)						
		10	20	30	40			
28"	16.9-28		2 355	2 015	1 680	1 345	110	
			2 730	2 340	1 950	1 560	140	
		8 PR	3 055	2 615	2 180	1 750	170	
			3 305	2 830	2 360	1 890	190	
		10 PR	3 400	2 915	2 430	1 950	200	
			2 410	2 065	1 720	1 375	110	
30"	16.9-30		2 885	2 470	2 060	1 650	140	
		8 PR	3 220	2 760	2 300	1 850	170	
			3 500	3 000	2 500	2 000	200	
		10 PR	3 815	3 270	2 725	2 180	230	
			2 645	2 270	1 890	1 515	90	
			3 110	2 665	2 220	1 775	120	
32"	18.4-30	8 PR	3 400	2 915	2 430	1 950	140	
			4 355	3 730	3 110	2 490	210	
		12 PR	4 550	3 900	3 250	2 575	230	
			1 190	1 020	850	680	150	
		9.5-32		1 290	1 100	920	740	170
				1 390	1 190	990	790	190
6 PR	1 480		1 270	1 060	850	210		
34"	12.4-32		1 490	1 275	1 065	850	110	
			1 625	1 390	1 160	930	130	
			1 755	1 505	1 255	1 005	150	
		6PR	1 905	1 630	1 360	1 090	170	
		16.9-34		2 620	2 245	1 870	1 495	110
				3 010	2 580	2 150	1 720	140
8 PR	3 400		2 915	2 430	1 950	170		
	3 710		3 180	2 650	2 120	200		
10 PR	3 710		3 180	2 650	2 120	200		
	3 050		2 615	2 180	1 745	100		
36"	18.4-34		3 380	2 900	2 415	1 930	120	
		8 PR	3 710	3 180	2 650	2 120	140	
			3 955	3 390	2 825	2 260	160	
		10 PR	4 200	3 600	3 000	2 430	180	
			4 580	3 925	3 270	2 620	210	
		12 PR	4 830	4 140	3 450	2 800	230	
38"	12.4-36		1 610	1 380	1 150	920	110	
			1 750	1 500	1 250	1 000	130	
			1 890	1 620	1 350	1 080	150	
		6 PR	2 030	1 740	1 450	1 150	170	
		13.6-36		1 625	1 390	1 160	930	90
				1 895	1 625	1 355	1 085	120
	2 080		1 780	1 485	1 190	140		
6 PR	2 310		1 980	1 650	1 320	160		
13.6-38			1 695	1 450	1 210	970	90	
			2 015	1 730	1 440	1 150	120	
		2 200	1 885	1 570	1 255	140		
	6 PR	2 380	2 040	1 700	1 360	160		
	16.9-38		2 620	2 245	1 870	1 495	100	
			3 050	2 615	2 180	1 745	130	
		3 325	2 850	2 375	1 900	150		
8 PR		3 605	3 090	2 575	2 060	170		
18.4-38			3 025	2 590	2 160	1 730	90	
			3 485	2 990	2 490	1 990	120	
		3 815	3 270	2 725	2 180	140		
	8 PR	3 815	3 270	2 725	2 180	140		

VARIATION IN LOAD CAPACITY WITH INFLATION

Tractor Radial & Diagonal

SPEED (km/h)		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
SPEED CATEGORY	A6	+130%	+70%	+40%	+30%	+20%	+7%	(0)	-10%	-20%	-	-	-	-	-	-
	A8	+130%	+70%	+50%	+34%	+23%	+11%	+7%	+3%	(0)	-4%	-9%	-	-	-	-
	D	+130%	+70%	+40%	+34%	+23%	+18,5%	+15%	+12%	+9,5%	+7%	+5%	+3%	+1,5%	(0)	-9%

All Field Applications:

A6 Tyres - loads as in the Table

A8 Tyres - loads as in the Table plus 7%

The Inflation Pressure must be increased for:

- road transport and long-distance transport with semi-trailer + 30 kPa
- harvesting machines and front-end loader tractor application + 40 kPa

WATER BALLASTING

TYRE SIZE	WATER (l)
8.3-24	50
9.5-24	60
11.2-24	70
12.4-24	80
14.9-24	150
16.9-24	210
18.4-26	305
23.1-26	470
11.2-28	90
12.4-28	110
13.6-28	140
14.9-28	180
16.9-28	220
16.9-30	240
18.4-30	320
16.9-34	250
18.4-34	330
12.4-36	150
13.6-38	190
16.9-38	280
18.4-38	370

EQUIVALENT SIZES WITH RESPECT OVERALL DIAMETER

STANDARD	85% SERIES	70% SERIES	65% SERIES
11.2	280/85	320/70	-
12.4	320/85	360/70	420/65
13.6	340/85	380/70	440/65
14.9	380/85	420/70	480/65
16.9	420/85	480/70	540/65
18.4	460/85	520/70	600/65



AGRICULTURAL RADIAL TYRES

AR-01

- Tread pattern for all-round application on and off the road
- Approved for speed up to 80 km/h

- Radial All-steel construction
- Reduced rolling resistance
- Excellent working life
- Reduced fuel consumption

Suitable above all for fast moving agricultural trailers, flat trucks, tank containers, etc.



AR-02

- New generation of flotation tyre
- Higher load capacity and working speed

- Radial construction
- Better distribution of pressure on the soil
- Excellent traction due to robust lugs
- Reduced fuel consumption due to lower rolling resistance

Suitable above all for fast moving agricultural trailers, flat trucks, tank containers, manure spreaders, etc.



TYRE SIZE	TREAD PATTERN	LI / SS	TYPE	RIM (PERMITTED)	TYRE DIMENSIONS (mm)						LOAD CAPACITY (kg)	INFLATION (kPa)	
					NEW		MAX. IN SERVICE		SR	RC			
					OD	SW	OD	OW					
22.5"	385/65R22.5 (15R22.5)	AR-01	161F	TL	11.75x22.5	1072	389	1102	408	485	3248	4625	900
	445/65R22.5 (18R22.5)	AR-01	169F	TL	14.00x22.5	1150	454	1184	477	514	3484	5800	800
	560/60R22.5	AR-02	161D	TL	16.00x22.5 (18.00x22.5)	1244	564	1270	592	536	3666	4625	400

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

VARIATION IN LOAD CAPACITY WITH INFLATION

TYRE SIZE	LI/SS	LOAD CAPACITY PER TYRE (kg)						INFLATION (kPa)	
		FREE ROLLING (km/h)							
		10	30	40	50	65	80		
22.5"	385/65R22.5	161F	4 680	3 250	2 990	2 910	2 795	2 600	500
			5 040	3 500	3 220	3 135	3 010	2 800	550
			5 400	3 750	3 450	3 360	3 225	3 000	600
			5 760	4 000	3 680	3 585	3 440	3 200	650
			6 120	4 250	3 910	3 810	3 655	3 400	700
			6 480	4 500	4 140	4 030	3 870	3 600	750
			6 930	4 815	4 430	4 310	4 140	3 850	800
			7 380	5 125	4 715	4 590	4 410	4 100	850
445/65R22.5	169F	8 325	5 781	5 319	5 180	4 970	4 625	900	
		5 760	4 000	3 680	3 585	3 440	3 200	400	
		6 300	4 375	4 025	3 920	3 765	3 500	450	
		6 840	4 750	4 370	4 255	4 085	3 800	500	
		7 380	5 125	4 715	4 590	4 410	4 100	550	
		7 920	5 500	5 060	4 930	4 730	4 400	600	
		8 460	5 875	5 405	5 265	5 055	4 700	650	
		9 000	6 250	5 750	5 600	5 375	5 000	700	
560/60R22.5	161D	9 540	6 625	6 095	5 935	5 700	5 300	750	
		10 440	7 250	6 670	6 495	6 235	5 800	800	
		3 553	2 741	2 517	2 253	2 030	-	100	
		4 314	3 328	3 057	2 736	2 465	-	150	
		5 075	3 915	3 596	3 219	2 900	-	200	
		5 828	4 496	4 129	3 696	3 330	-	250	
		6 580	5 076	4 662	4 174	3 760	-	300	
		7 333	5 657	5 196	4 651	4 190	-	350	
		8 094	6 244	5 735	5 134	4 625	-	400	

VARIATION IN LOAD CAPACITY SPEED DEPENDENCE

Agricultural Radial

SPEED (km/h)		0	5	10	15	20	25	30	35	40
SPEED CATEGORY	D	+95%	+87%	+75%	+60%	+50%	+40%	+35%	+30%	+24%
	F	+150%	+110%	+80%	+65%	+50%	+35%	+25%	+19%	+15%
SPEED (km/h)		45	50	55	60	65	70	75	80	
SPEED CATEGORY	D	+17%	+11%	+7%	+3%	(0)	-	-	-	
	F	+13%	+12%	+11%	+10%	+7.5%	+5%	+2.5%	(0)	

IMPLEMENT NON TRACTION TYRES

Tyres suitable above all for agricultural trailers, flat trucks, tank containers, soil cultivation, etc.

IM-01

Time-proven tread pattern for transport service. Also proven for powered wheels.



IM-02 (TO 2)

Time-proven tread pattern for agricultural application with very good traction.



IM-03

Classical implement universal tread pattern for agricultural application.



IM-04

Modern universal tread pattern for wide agricultural application.



IM-06

Ribbed tread pattern for various applications.



IM-07

Universal tread pattern with rolling rib profile without any lateral tread elements. Suitable for meadowland use or soil cultivation machines.



IM-08

Ribbed tread pattern without any lateral tread elements for meadowland use and transport applications.



IM-09

Flotation tread pattern, characterised by low inflation pressure, reduced pressure impact to soil. Good traction due to strong side lug.



IM-10

Ribbed tread pattern without any lateral tread elements. Suitable for soil cultivation machinery (ploughing) or for light transport applications.



TYRE SIZE	TREAD PATTERN								
	IM-01	IM-02	IM-03	IM-04	IM-06	IM-07	IM-08	IM-09	IM-10
4.00-10					o				
10.0/80-12				o			o		
200/60-14.5									o
10.0/75-15.3				o					
11.5/80-15.3				o					
12.5/80-15.3				o					
400/60-15.5						o			
10.50-16	o								
15.0/55-17				o					
19.0/45-17				o					
500/50-17						o			
12.5/80-18				o					
13.0/65-18				o					
14.5/80-18			o						
13.00-18		o							
500/60-22.5								o	
550/60-22.5								o	

	TYRE SIZE	TREAD PATTERN	PR	LI / SS	TYPE	RIM (PERMITTED)	TUBE	TYRE DIMENSIONS (mm)						LOAD CAPACITY (kg) 40 km/h	INFLATION (kPa)
								NEW		MAX. IN SERVICE		SR	RC		
								OD	SW	OD	OW				
10"	4.00-10	IM-06	4	62A6	TT	3.00Dx10	4.00-10	465	114	474	120	230	1365	265	275
12"	11.0/80-12	IM-04	8	112A8	TT/TL	9.00x12 (7.00x12)	10.0/80-12	710	264	730	277	316	2085	1120	310
			10	117A8				735	264	745	277	335	2160	1120	310
14.5"	200/60-14.5	IM-10	10	102A8	TL	6.75x14.5		620	200	622	210	285	1823	850	500
15.3"	10.0/75-15.3	IM-04	8	118A8	TT/TL	9.00x15.3	10-15 HS 10/75-15	760	264	779	277	351	2235	1320	300
			10	122A8										1500	400
			12*	125A8										1650	475
			14*	130A8										1900	550
			18*	143A8										2725	710
15.5"	11.5/80-15.3	IM-04	10*	130A8	TT/TL	9.00x15.3	11.5/80-15	845	290	868	305	386	2485	1900	350
			12*	134A8										2120	400
			14*	139A8										2430	475
			16*	141A8										2575	540
15.5"	12.5/80-15.3	IM-04	14*	141A8	TL	9.00x15.3	-	889	307	915	322	436	2615	2575	430
	400/60-15.5	IM-07	14	140A8	TL	13.00x15.5	-	875	405	904	425	380	2575	2500	350
16"	10.50-16	IM-01	14	144A8	TT	7.00I-16	10.50-16	945	274	969	296	432	2780	2800	525
						(7.0-401.5)									
17"	15.0/55-17	IM-04	10	131A8	TL	13.00x17 (13x17)	15.0/55-17	850	391	871	411	410	2499	1950	260
			12	134A8										2120	310
			14	137A8										2300	370
17"	19.0/45-17	IM-04	14	144A8	TL	16.00x17	-	866	491	888	516	390	2546	2800	400
	500/50-17	IM07	14	149A8	TL	16.00x17	-	940	500	968	525	420	2763	3250	350
			18	155A8										3875	440
18"	12.5/80-18	IM-04	14	145A8	TT	11x18 (9x18)	12-18 HS 12.5-18	965	308	990	323	444	2840	2900	425
			16	147A8										3075	500
	13.0/65-18	IM-04	16*	143A8	TT	11x18	13.0/65-18	890	336	912	353	412	2615	2725	500
	14.5/80-18	IM-03	12	155A8	TT	11x18 (12x18)	14.5/80-18	1045	372	1072	391	475	3075	3875	425
22.5"	13.00-18	IM-02	12	150A8	TT	9Ax18	12.00-18	1128	370	1156	400	514	3315	3350	350
	13.00-18	TO 2	-	140K	TT/TL	9Ax18	12.00-18	1128	370	1156	400	514	3315	2500	450
	500/60-22.5	IM-09	16	159A8	TL	16.00x22.5	-	1172	503	1214	543	511	3446	4375	300
	550/60-22.5	IM-09	12	157A8	TL	16.00x22.5	-	1232	537	1278	580	534	3622	4125	210
			16	163A8										4875	280

For Non-standard version, please contact a producer.

* Reinforced version also available (REINFORCED)

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

VARIATION IN LOAD CAPACITY WITH INFLATION

TYRE SIZE	PR	LOAD CAPACITY PER TYRE (kg)					INFLATION (kPa)	
		FREE ROLLING (km/h)						
		10	20	30	40	50		
10"	4.00-10 IM-06	2 PR	200	175	155	140	-	100
			220	195	170	155	-	125
		4 PR	240	210	185	165	-	150
			260	230	200	180	-	175
			285	250	220	200	-	200
			305	270	235	210	-	225
			325	285	250	225	-	250
340	300	265	240	-	275			
12"	10.0/80-12 IM-04 IM-08	8 PR	1 175	1 060	940	840	755	175
			1 225	1 105	980	875	790	200
		10 PR	1 330	1 200	1 065	950	855	230
			1 360	1 220	1 085	970	875	250
			1 450	1 305	1 160	1 035	930	275
			1 570	1 410	1 255	1 120	1 010	310
			1 650	1 485	1 320	1 180	1 060	340
			1 745	1 570	1 395	1 245	1 120	370
			1 800	1 620	1 440	1 285	1 155	390
			1 800	1 620	1 440	1 285	1 155	390
14.5"	200/60-14.5 IM-10	10 PR	600	540	480	430	390	150
			660	590	525	470	425	175
		12 PR	720	650	575	515	465	200
			805	725	645	575	520	250
			840	755	670	600	540	275
			880	795	705	630	565	300
			960	865	765	685	615	350
			1 035	930	830	740	665	400
			1 115	1 000	890	795	715	450
			1 190	1 070	950	850	765	500
			1 665	1 500	1 335	1 190	1 070	250
			1 755	1 580	1 405	1 255	1 130	275
			1 850	1 665	1 480	1 320	1 190	300
			1 910	1 720	1 530	1 365	1 230	325
1 975	1 775	1 580	1 410	1 270	350			
2 035	1 835	1 630	1 455	1 310	375			
2 100	1 890	1 680	1 500	1 350	400			
2 170	1 955	1 735	1 550	1 395	425			
2 240	2 015	1 790	1 600	1 440	450			
2 310	2 080	1 850	1 650	1 485	475			
2 430	2 185	1 945	1 735	1 560	500			
2 550	2 295	2 040	1 820	1 640	525			
2 660	2 395	2 130	1 900	1 710	550			
3 025	2 720	2 420	2 160	1 945	600			
3 380	3 045	2 705	2 415	2 175	650			
3 815	3 435	3 050	2 725	2 455	710			
1 820	1 640	1 455	1 300	1 170	225			
2 065	1 860	1 650	1 475	1 330	250			
2 310	2 080	1 850	1 650	1 485	275			
2 430	2 185	1 945	1 735	1 565	300			
2 550	2 295	2 040	1 820	1 640	325			
2 660	2 395	2 130	1 900	1 710	350			
2 815	2 535	2 250	2 010	1 810	375			
2 970	2 670	2 375	2 120	1 910	400			
3 115	2 805	2 490	2 225	2 005	425			
3 260	2 935	2 610	2 330	2 095	450			
3 400	3 060	2 720	2 430	2 185	475			
3 470	3 125	2 780	2 480	2 230	500			
3 565	3 205	2 850	2 545	2 290	525			
3 605	3 245	2 885	2 575	2 320	540			

TYRE SIZE	PR	LOAD CAPACITY PER TYRE (kg)					INFLATION (kPa)		
		FREE ROLLING (km/h)							
		10	20	30	40	50			
15.3"	12.5/80-15.3 IM-04	12 PR	2 920	2 625	2 335	2 085	1 875	325	
			3 110	2 795	2 485	2 220	2 000	350	
		14 PR	3 305	2 975	2 645	2 360	2 125	370	
			3 485	3 135	2 790	2 490	2 240	400	
			3 605	3 245	2 885	2 575	2 320	430	
15.5"	400/60-15.5 IM-07	14 PR	2 015	1 815	1 615	1 440	1 295	125	
			2 185	1 965	1 745	1 560	1 405	150	
		145A8	2 340	2 105	1 870	1 670	1 505	175	
			2 520	2 270	2 015	1 800	1 620	200	
			2 665	2 405	2 135	1 905	1 715	225	
			2 800	2 520	2 240	2 000	1 800	250	
			2 990	2 690	2 390	2 135	1 920	275	
			3 150	2 835	2 520	2 250	2 025	300	
			3 305	2 975	2 645	2 360	2 125	325	
			3 500	3 150	2 800	2 500	2 250	350	
4 060	3 650	3 250	2 900	2 610	360				
16"	10.50-16 IM-01	14 PR	2 870	2 585	2 295	2 050	1 845	325	
			2 970	2 670	2 375	2 120	1 910	350	
		145A8	3 095	2 785	2 475	2 210	1 990	375	
			3 220	2 900	2 575	2 300	2 070	400	
			3 290	2 960	2 630	2 350	2 115	425	
			3 470	3 125	2 780	2 480	2 230	450	
			3 710	3 340	2 970	2 650	2 385	500	
			3 920	3 530	3 135	2 800	2 520	525	
			1 045	940	835	745	670	175	
			1 150	1 035	920	820	740	200	
			1 260	1 135	1 010	900	810	225	
			1 365	1 230	1 090	975	880	250	
			1 520	1 365	1 215	1 085	975	300	
			1 660	1 495	1 325	1 185	1 065	350	
1 700	1 530	1 360	1 215	1 095	375				
17"	15.0/55-17 IM-04	10 PR	2 325	2 090	1 860	1 660	1 495	200	
			2 465	2 220	1 970	1 760	1 585	220	
		10 PR	2 595	2 335	2 080	1 855	1 670	240	
			2 730	2 455	2 185	1 950	1 755	260	
		10 PR	2 830	2 545	2 260	2 020	1 820	280	
			2 920	2 625	2 335	2 085	1 875	300	
		12 PR	2 970	2 670	2 375	2 120	1 910	310	
			3 050	2 745	2 440	2 180	1 960	330	
		14 PR	3 135	2 820	2 510	2 240	2 015	350	
			3 220	2 900	2 575	2 300	2 070	370	
		19.0/45-17 IM-04	14 PR	2 605	2 345	2 085	1 860	1 675	200
				2 800	2 520	2 240	2 000	1 800	225
			14 PR	2 980	2 685	2 385	2 130	1 915	250
				3 155	2 840	2 525	2 255	2 030	275
3 305	2 975			2 645	2 360	2 125	300		
3 460	3 110			2 765	2 470	2 225	325		
3 625	3 265			2 900	2 590	2 330	350		
3 765	3 390			3 015	2 690	2 420	375		
3 920	3 530			3 135	2 800	2 520	400		
3 330	3 000			2 665	2 380	2 140	200		
3 585	3 225	2 865	2 560	2 305	225				
3 815	3 435	3 050	2 725	2 455	250				
4 005	3 605	3 205	2 860	2 575	275				
4 200	3 780	3 360	3 000	2 700	300				
4 395	3 955	3 515	3 140	2 825	325				
4 550	4 095	3 640	3 250	2 925	350				

TYRE SIZE	PR	LOAD CAPACITY PER TYRE (kg)					INFLATION (kPa)	
		FREE ROLLING (km/h)						
		10	20	30	40	50		
17"	500/50-17 IM-07	18 PR	4 745	4 270	3 795	3 390	3 050	375
			4 985	4 485	3 985	3 560	3 200	400
			5 210	4 685	4 165	3 720	3 350	425
18"	12.5/80-18 IM-04	8 PR	5 425	4 880	4 340	3 875	3 490	440
		10 PR	2 715	2 445	2 175	1 940	1 745	225
			2 885	2 595	2 305	2 060	1 855	250
		12 PR	3 130	2 815	2 505	2 235	2 010	275
			3 305	2 975	2 645	2 360	2 125	300
		14 PR	3 445	3 100	2 755	2 460	2 215	325
	3 565		3 205	2 850	2 545	2 290	350	
	13.0/65-18 IM-04	8 PR	3 710	3 340	2 970	2 650	2 385	375
			3 870	3 485	3 095	2 765	2 490	400
		10 PR	4 060	3 655	3 250	2 900	2 610	425
			4 145	3 730	3 315	2 960	2 665	450
		12 PR	4 220	3 800	3 375	3 015	2 715	475
			4 305	3 875	3 445	3 075	2 770	500
	16 PR	8 PR	2 270	2 040	1 815	1 620	1 460	200
			2 420	2 180	1 940	1 730	1 555	225
		10 PR	2 520	2 270	2 015	1 800	1 620	240
			2 575	2 320	2 060	1 840	1 655	250
		12 PR	2 730	2 455	2 185	1 950	1 755	275
2 885			2 595	2 305	2 060	1 855	300	
14 PR		3 050	2 745	2 440	2 180	1 960	325	
		3 220	2 900	2 575	2 300	2 070	350	
16 PR		3 310	2 980	2 650	2 365	2 130	375	
		3 400	3 060	2 720	2 430	2 185	400	
16 PR		3 500	3 150	2 800	2 500	2 250	425	
		3 605	3 245	2 885	2 575	2 320	450	
16 PR	3 710	3 340	2 970	2 650	2 385	475		
	3 815	3 435	3 050	2 725	2 455	500		

TYRE SIZE	PR	LOAD CAPACITY PER TYRE (kg)					INFLATION (kPa)	
		FREE ROLLING (km/h)						
		10	20	30	40	50		
18"	13.00-18 IM-02	12 PR	3 555	3 200	2 845	2 540	2 285	250
			3 920	3 530	3 135	2 800	2 520	275
			4 200	3 780	3 360	3 000	2 700	300
			4 425	3 980	3 540	3 160	2 845	325
			4 690	4 220	3 750	3 350	3 015	350
	14.5/80-18 IM-03	12 PR	2 850	2 565	2 280	2 035	1 830	150
			3 310	2 980	2 650	2 365	2 130	200
			3 765	3 390	3 015	2 690	2 420	250
			4 215	3 795	3 370	3 010	2 710	300
			4 445	4 000	3 555	3 175	2 860	325
22.5"	500/60-22.5 IM-09	16 PR	4 660	4 195	3 730	3 330	2 995	350
			4 895	4 405	3 915	3 495	3 145	375
			5 125	4 610	4 100	3 660	3 295	400
			5 425	4 885	4 340	3 875	3 490	425
			3 955	3 560	3 165	2 825	2 545	150
	550/60-22.5 IM-09	12 PR	4 390	3 950	3 510	3 135	2 820	180
			4 825	4 340	3 860	3 445	3 100	210
			5 250	4 725	4 200	3 750	3 375	240
			5 690	5 120	4 555	4 065	3 660	270
			6 125	5 515	4 900	4 375	3 940	300
16 PR	12 PR	4 780	4 305	3 825	3 415	3 075	150	
		5 125	4 610	4 100	3 660	3 295	170	
		5 455	4 910	4 360	3 895	3 505	190	
		5 775	5 200	4 620	4 125	3 715	210	
		6 235	5 615	4 990	4 455	4 010	240	
16 PR	16 PR	6 530	5 880	5 225	4 665	4 200	260	
		6 825	6 145	5 460	4 875	4 390	280	

VARIATION IN LOAD CAPACITY WITH SPEED DEPENDENCE

Implement, Implement Traction, Tractor Small

SPEED (km/h)		0	10	15	20	25	30	35	40	45	50	
FREE ROLLING	A6 (30 km/h)	LLV	+ 65%	+ 29%	+ 21%	+ 14%	+ 7%	(0)	- 5%	- 10%	-	-
		HLV	+ 98%	+ 55%	+ 45%	+ 37%	+ 28%	+ 20%	+ 14%	+ 8%	-	-
	A8 (40 km/h)	LLV	+ 65%	+ 40%	+ 33%	+ 26%	+ 19%	+ 12%	+ 5%	(0)	- 5%	- 10%
		HLV	+ 98%	+ 68%	+ 60%	+ 51%	+ 43%	+ 34%	+ 26%	+ 20%	+ 14%	+ 8%
DRIVE WHEELS	A6 (30 km/h)	LLV	+ 135%	+ 29%	+ 21%	+ 14%	+ 7%	(0)	- 5%	- 10%	-	-
		HLV	+ 193%	+ 84%	+ 73%	+ 63%	+ 53%	+ 43%	+ 36%	+ 29%	-	-
	A8 (40 km/h)	LLV	+ 135%	+ 40%	+ 33%	+ 26%	+ 19%	+ 12%	+ 5%	(0)	- 5%	- 10%
		HLV	+ 193%	+ 100%	+ 90%	+ 80%	+ 70%	+ 60%	+ 50%	+ 43%	+ 36%	+ 29%

LLV = Low Load Variation

HLV = High Load Variation is where the tyre load varies by a factor of 2 or more between loaded and unloaded conditions.

The inflation pressure for HLV application must be increased, consult tyre manufacturer.

In the case of HLV, the maximum distance should not exceed 1 km. For a longer distance, consult tyre manufacturer.

IMPLEMENT TRACTION TYRES

Tyres suitable above all for agricultural loaders, soil cultivation machinery and further agricultural application.

TR-01

Tread pattern with excellent traction, suitable above all for self-propelled machines, agricultural loaders, small dumper trucks and telescopic loaders.



TR-03

Universal tread pattern for various agricultural applications with good traction.



TR-04

Universal tread pattern for various agricultural applications with good traction.



TR-05

Time-proven tread pattern for agricultural application with very good traction.



TR-06

Low profile traction pattern for applications in meadowland, suitable for drive wheels.



TR-07

Low profile traction pattern with very good traction. Recommended for meadowland use as well.



TR-08

Flotation tread pattern. Reduced pressure impact to soil due to low inflation pressure. Good traction, braking performance and lateral stability.



TR-09

Tread pattern with good traction, suitable for front wheels of back-hoe loaders, wheel loaders etc.



TR-10

Tread pattern applied for tyre size 14-17.5. Suitable above all for bigger skid-steer loaders, or self-propelled platforms. Can also be used for front wheels of back-hoe loaders.



TR-11

Tread pattern with very good traction due to robust lugs, suitable above all for loaders and side dumpers.



TR-12

Tread pattern with excellent traction for flotation tyres, designed above all for powered wheels of agricultural and industrial machines. Applicable for trailed wheels as well.



TYRE SIZE	TREAD PATTERN	PR	LI FR / DW	SS	TYPE	RIM (PERMITTED)	TUBE/ FLAP	TYRE DIMENSIONS (mm)						LOAD CAPACITY (kg)		INFLATION (kPa)	
								NEW		MAX. IN SERVICE		SR	RC	FR	DW		
								OD	SW	OD	OW						
15"	31x15.50-15	TR-06 TR-07	8	121/109	A8	TL	13LBx15	-	760	370	800	406	350	2235	1450	1030	300
15.3"	10.0/75-15.3	TR-03	8 10	118/106 122/111	A8 A8	TL TT/TL	9.00x15.3	10-15 HS 10/75-15	780	264	800	277	360	2295	1320 1500	950 1090	300 400
	10.0/75-15.3	TR-04	8 10	118/106 122/111	A8 A8	TL TT/TL	9.00x15.3	10-15 HS 10/75-15	780	264	800	277	360	2295	1320 1500	950 1090	300 400
15.5"	11.5/80-15.3	TR-03	10 14	130/119 139/126	A8 A8	TT/TL	9.00x15.3	11.5/80-15	867	290	891	305	395	2550	1900 2430	1360 1700	350 475
	400/60-15.5	TR-08	14 -	140/127 145/132	A8 A8	TL	13.00x15.5	-	875	405	904	425	385	2575	2500 2900	1750 2000	350 360
17"	15.0/55-17	TR-01	10 12	131/119 134/122	A8 A8	TL	13.00x17 (13x17)	-	872	391	894	411	410	2565	1950 2120	1360 1500	260 310
17.5"	14-17.5	TR-10	10 14	143/131 150/139	B B	TL	10.50x17.5	-	910	355	932	383	430	2858	2725 3350	1950 2430	380 550
18"	12.0/75-18	TR-03	12	139/126	A8	TL	W9x18 (9,11x18)	12.0-18	937	299	961	314	447	2755	2430	1700	400
	12.0/75-18	TR-11	12	135/123	A8	TL	W9x18 (9,11x18)	12.0-18	937	299	961	314	447	2755	2180	1550	400
20"	12.5/80-18	TR-09	10 12	135/123 138/125	A8 A8	TL	11x18 (9x18)	12-18HS 12.5-18	987	308	1014	323	465	2900	2180 2360	1550 1650	310 370
	14.5/80-18	TR-05	12	155/143	A8	TT	11 (12)	14.5/80-18	1045	372	1073	390	475	3075	3875	2725	425
	400/70-20	TR-01	14	150	B	TL	13SDCx20	-	1090	404	1130	436	490	3210	-	3350	400
	16.0/70-20	TR-09	10 14	143/131 150/138	A8 A8	TL	13SDC-20	-	1095	408	1125	450	504	3220	2725 3350	1950 2360	250 350
22.5"	500/60-22.5	TR-08	12 16	154/142 159/147	A8 A8	TL	16.00x22.5	-	1192	503	1234	543	519	3504	3750 4375	2650 3075	240 300
	500/60-22.5	TR-12		- /152	A8	TL	16.00x22.5	-	1192	503	1234	543	519	3504	-	3550	360
24"	550/60-22.5	TR-08	12 16 -	157/145 163/151 171/159	A8 A8 A8	TL	16.00x22.5	-	1254	537	1300	580	542	3687	4125 4875 6150	2900 3450 4375	210 280 340
	600/40-22.5	TR-12	12 16 -	154/142 160/148 - /169	A8 A8 A8	TL	20.00TH2x22.5 (20.00DC)	-	1050	600	1107	642	473	3146	3750 4500 -	2650 3150 5800	210 280 600
	600/50-22.5	TR-08	12 16	159/146 165/153	A8 A8	TL	20.00x22.5	-	1170	600	1211	642	510	3440	4375 5150	3000 3650	200 260
	15.5/80-24	TR-01	12* 14* 16 -	154/142 156/144 159/147 163/151	A8 A8 A8 A8	TL	W12x24 (W13x24) (W14Lx24)	-	1269	394	1293	414	585	3730	3750 4000 4375 4875	2650 2800 3075 3450	300 350 410 475
	17.5L-24	TR-01	10	- /144	A8	TL	W15Lx24	-	1241	445	1278	481	580	3650	-	2800	220

For Non-standard version, please contact a producer.

* Reinforced version also available (REINFORCED)

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

TYRE SIZE	TREAD PATTERN								
	TR-01	TR-03	TR-04	TR-06	TR-07	TR-08	TR-09	TR-10	TR-11
31x15.50-15				o	o				
10.0/75-15.3		o	o						
11.5/80-15.3		o							
400/60-15.5						o			
15.0/55-17	o								
14-17.5								o	
12.0/75-18		o							o
12.5/80-18							o		

TYRE SIZE	TREAD PATTERN				
	TR-01	TR-05	TR-08	TR-09	TR-12
14.5/80-18		o			
400/70-20	o				
16.0/70-20				o	
500/60-22.5			o		o
550/60-22.5			o		
600/40-22.5					o
600/50-22.5			o		
15.5/80-24	o				
17.5L-24	o				

VARIATION IN LOAD CAPACITY WITH INFLATION

TYRE SIZE	PR	LOAD CAPACITY PER TYRE (kg)										INFLATION (kPa)
		DRIVE WHEELS (km/h)					FREE ROLLING (km/h)					
		10	20	30	40	50	10	20	30	40	50	
15" 31x15.50-15 TR-06 TR-07	4 PR	730	655	580	520	470	1 045	940	835	745	670	100
		820	735	655	585	525	1 170	1 050	935	835	750	125
		910	820	730	650	585	1 295	1 165	1 035	925	835	150
		1 000	900	800	715	645	1 435	1 290	1 150	1 025	925	175
		1 090	985	875	780	700	1 555	1 400	1 245	1 110	1 000	200
	8 PR	1 185	1 065	945	845	760	1 680	1 510	1 345	1 200	1 080	225
		1 265	1 140	1 015	905	815	1 805	1 625	1 445	1 290	1 160	250
		1 360	1 220	1 085	970	875	1 925	1 735	1 540	1 375	1 240	275
		1 440	1 300	1 155	1 030	925	2 030	1 825	1 625	1 450	1 305	300
		1 525	1 375	1 220	1 090	980	2 100	1 890	1 680	1 500	1 350	400
15.3" 10.0/75-15.3 TR-03 TR-04	8 PR	1 210	1 090	970	865	780	1 665	1 500	1 335	1 190	1 070	250
		1 275	1 145	1 020	910	820	1 755	1 580	1 405	1 255	1 130	275
	10 PR	1 330	1 195	1 065	950	855	1 850	1 665	1 480	1 320	1 190	300
		1 380	1 240	1 105	985	885	1 910	1 720	1 530	1 365	1 230	325
		1 430	1 285	1 140	1 020	920	1 975	1 775	1 580	1 410	1 270	350
		1 475	1 330	1 180	1 055	950	2 035	1 835	1 630	1 455	1 310	375
	12 PR	1 525	1 375	1 220	1 090	980	2 100	1 890	1 680	1 500	1 350	400
		1 570	1 410	1 255	1 120	1 010	2 170	1 955	1 735	1 550	1 395	425
		1 610	1 450	1 290	1 150	1 035	2 240	2 015	1 790	1 600	1 440	450
		1 650	1 485	1 320	1 180	1 060	2 310	2 080	1 850	1 650	1 485	475
	14 PR	1 715	1 545	1 370	1 225	1 105	2 430	2 185	1 945	1 735	1 560	500
		1 780	1 600	1 420	1 270	1 145	2 550	2 295	2 040	1 820	1 640	525
		1 850	1 665	1 480	1 320	1 190	2 660	2 395	2 130	1 900	1 710	550
		1 910	1 720	1 540	1 380	1 250	2 770	2 495	2 220	1 980	1 780	575
11.5/80-15.3 TR-03	8 PR	1 510	1 360	1 210	1 080	970	1 820	1 640	1 455	1 300	1 170	225
		1 580	1 425	1 265	1 130	1 015	2 065	1 860	1 650	1 475	1 330	250
	10 PR	1 650	1 485	1 320	1 180	1 060	2 310	2 080	1 850	1 650	1 485	275
		1 735	1 560	1 390	1 240	1 115	2 430	2 185	1 945	1 735	1 560	300
		1 820	1 640	1 455	1 300	1 170	2 550	2 295	2 040	1 820	1 640	325
		1 905	1 715	1 525	1 360	1 225	2 660	2 395	2 130	1 900	1 710	350
	12 PR	2 035	1 835	1 630	1 455	1 310	2 815	2 535	2 250	2 010	1 810	375
		2 170	1 955	1 735	1 550	1 395	2 970	2 670	2 375	2 120	1 910	400
		2 240	2 015	1 790	1 600	1 440	3 115	2 805	2 490	2 225	2 005	425
		2 310	2 080	1 850	1 650	1 485	3 260	2 935	2 610	2 330	2 095	450
14 PR	2 380	2 140	1 905	1 700	1 530	3 400	3 060	2 720	2 430	2 185	475	
	2 440	2 200	1 965	1 760	1 590	3 540	3 200	2 860	2 570	2 325	500	
15.5" 400/60-15.5 TR-08	8 PR	1 420	1 280	1 135	1 015	915	2 015	1 815	1 615	1 440	1 295	125
		1 525	1 375	1 220	1 090	980	2 185	1 965	1 745	1 560	1 405	150
		1 640	1 475	1 310	1 170	1 055	2 340	2 105	1 870	1 670	1 505	175
	10 PR	1 750	1 575	1 400	1 250	1 125	2 520	2 270	2 015	1 800	1 620	200
		1 860	1 675	1 490	1 330	1 195	2 665	2 400	2 135	1 905	1 715	225
		1 975	1 775	1 580	1 410	1 270	2 800	2 520	2 240	2 000	1 800	250
		2 085	1 875	1 670	1 490	1 340	2 990	2 690	2 390	2 135	1 920	275
	12 PR	2 205	1 985	1 765	1 575	1 420	3 150	2 835	2 520	2 250	2 025	300
		2 315	2 085	1 855	1 655	1 490	3 305	2 975	2 645	2 360	2 125	325
		2 450	2 205	1 960	1 750	1 575	3 500	3 150	2 800	2 500	2 250	350
2 580		2 325	2 075	1 865	1 660	3 690	3 340	2 990	2 690	2 440	375	
145/132A8	2 800	2 520	2 240	2 000	1 800	4 060	3 650	3 250	2 900	2 610	360	
17" 15.0/55-17 TR-01	10 PR	1 615	1 455	1 295	1 155	1 040	2 325	2 090	1 860	1 660	1 495	200
		1 710	1 535	1 365	1 220	1 100	2 465	2 220	1 970	1 760	1 585	220
		1 815	1 630	1 450	1 295	1 165	2 595	2 335	2 080	1 855	1 670	240
	12 PR	1 905	1 715	1 525	1 360	1 225	2 730	2 455	2 185	1 950	1 755	260
		1 990	1 790	1 590	1 420	1 280	2 830	2 545	2 260	2 020	1 820	280
17.5" 14-17.5 TR-10	10 PR	2 100	1 890	1 680	1 500	1 350	2 970	2 670	2 375	2 120	1 910	310
		2 760	2 480	2 205	1 970	1 775	3 890	3 505	3 115	2 780	2 500	320
		2 890	2 600	2 315	2 065	1 860	4 060	3 655	3 250	2 900	2 610	350
		3 030	2 730	2 425	2 165	1 950	4 240	3 820	3 395	3 030	2 725	380
	14 PR	3 165	2 850	2 530	2 260	2 035	4 410	3 970	3 530	3 150	2 835	410
		3 345	3 010	2 675	2 390	2 150	4 640	4 175	3 715	3 315	2 985	450
		3 565	3 205	2 850	2 545	2 290	4 930	4 435	3 940	3 520	3 170	500
		3 780	3 400	3 025	2 700	2 430	5 210	4 685	4 166	3 720	3 350	550
18" 12.0/75-18 TR-03	12 PR	2 225	2 005	1 780	1 590	1 430	3 150	2 835	2 520	2 250	2 025	350
		2 305	2 075	1 840	1 645	1 480	3 275	2 950	2 620	2 340	2 105	375
	10 PR	2 380	2 140	1 905	1 700	1 530	3 400	3 060	2 720	2 430	2 185	400
		1 800	1 620	1 440	1 285	1 155	2 490	2 245	1 995	1 780	1 600	275
12.0/75-18 TR-11	10 PR	1 870	1 680	1 500	1 335	1 200	2 610	2 350	2 090	1 865	1 680	300
		1 960	1 765	1 570	1 400	1 260	2 730	2 455	2 185	1 950	1 755	330
	12 PR	2 025	1 820	1 620	1 445	1 300	2 835	2 550	2 270	2 025	1 825	350
		2 095	1 885	1 675	1 495	1 345	2 945	2 650	2 360	2 105	1 895	375
12.5/80-18 TR-09	10 PR	2 170	1 955	1 735	1 550	1 395	3 050	2 745	2 440	2 180	1 960	400
		1 890	1 700	1 510	1 350	1 215	2 675	2 405	2 140	1 910	1 720	250
	12 PR	2 015	1 815	1 615	1 440	1 295	2 865	2 575	2 290	2 045	1 840	280
		2 170	1 955	1 735	1 550	1 395	3 050	2 745	2 440	2 180	1 960	310
10 PR	2 235	2 010	1 790	1 595	1 435	3 200	2 880	2 560	2 285	2 055	340	
	2 310	2 080	1 850	1 650	1 485	3 305	2 975	2 650	2 360	2 125	370	

The Table of Variation in load capacity with speed dependence you can find on page 25.

TYRE SIZE	PR	LOAD CAPACITY PER TYRE (kg)										INFLATION (kPa)	
		DRIVE WHEELS (km/h)					FREE ROLLING (km/h)						
		10	20	30	40	50	10	20	30	40	50		
18"	14.5/80-18 TR-05	2 660	2 395	2 130	1 900	1 710	3 765	3 390	3 015	2 690	2 420	250	
		3 155	2 840	2 525	2 255	2 030	4 445	4 000	3 555	3 175	2 860	325	
		3 485	3 135	2 790	2 490	2 240	4 895	4 405	3 915	3 495	3 145	375	
	20"	400/70-20 TR-01	3 815	3 435	3 050	2 725	2 455	5 425	4 885	4 340	3 875	3 490	425
			3 040	3 735	2 420	2 175	1 975	-	-	-	-	-	200
			3 310	2 980	2 635	2 365	2 150	-	-	-	-	-	225
		140B	3 580	3 225	2 850	2 560	2 325	-	-	-	-	-	250
			3 850	3 465	3 065	2 750	2 500	-	-	-	-	-	275
			4 120	3 710	3 280	2 945	2 675	-	-	-	-	-	300
			4 390	3 950	3 495	3 135	2 850	-	-	-	-	-	325
			4 660	4 195	3 710	3 330	3 025	-	-	-	-	-	350
			4 890	4 400	3 895	3 495	3 175	-	-	-	-	-	375
150B	5 160	4 645	4 100	3 685	3 350	-	-	-	-	-	400		
	16.0/70-20 TR-09	2 460	2 210	1 965	1 755	1 580	3 430	3 090	2 745	2 450	2 205	200	
		2 590	2 330	2 070	1 850	1 665	3 625	3 265	2 900	2 590	2 330	225	
2 730		2 455	2 185	1 950	1 755	3 815	3 435	3 050	2 725	2 450	250		
2 870		2 580	2 295	2 050	1 845	3 905	3 515	3 125	2 790	2 510	275		
3 005		2 700	2 400	2 145	1 930	4 100	3 690	3 280	2 930	2 640	300		
3 135		2 822	2 510	2 240	2 015	4 390	3 950	3 510	3 135	2 820	325		
22.5"	500/60-22.5 TR-08	3 305	2 975	2 645	2 360	2 125	4 690	4 220	3 750	3 350	3 015	350	
		2 700	2 430	2 160	1 930	1 735	3 955	3 560	3 165	2 825	2 545	150	
		3 050	2 745	2 440	2 180	1 960	4 390	3 950	3 510	3 135	2 820	180	
		3 390	3 050	2 710	2 420	2 180	4 825	4 340	3 860	3 445	3 100	210	
		3 710	3 340	2 970	2 650	2 385	5 250	4 725	4 200	3 750	3 375	240	
		4 010	3 610	3 210	2 865	2 580	5 690	5 120	4 555	4 065	3 660	270	
	16 PR	4 305	3 875	3 445	3 075	2 770	6 125	5 515	4 900	4 375	3 940	300	
		500/60-22.5 TR-12	4 466	4 019	3 573	3 190	2 871	-	-	-	-	280	
			4 648	4 183	3 718	3 320	2 988	-	-	-	-	300	
	4 830		4 347	3 864	3 450	3 105	-	-	-	-	320		
	152A8	4 970	4 473	3 976	3 550	3 195	-	-	-	-	360		
		550/60-22.5 TR-08	3 290	2 960	2 630	2 350	2 115	4 780	4 305	3 825	3 415	3 075	150
3 555			3 200	2 845	2 540	2 285	5 125	4 610	4 100	3 660	3 295	170	
3 815	3 435		3 050	2 725	2 455	5 455	4 910	4 360	3 895	3 505	190		
4 060	3 655		3 250	2 900	2 610	5 775	5 200	4 620	4 125	3 715	210		
4 405	3 965		3 520	3 145	2 830	6 235	5 615	4 990	4 455	4 010	240		
4 620	4 160		3 695	3 300	2 970	6 530	5 880	5 225	4 665	4 200	260		
16 PR	4 830	4 345	3 865	3 450	3 105	6 825	6 145	5 460	4 875	4 390	280		
	4 940	4 540	4 150	3 950	3 360	7 060	6 495	5 930	5 650	4 800	300		
	5 220	4 800	4 385	4 175	3 550	7 360	6 775	6 185	5 890	5 005	320		
171A8	5 470	5 030	4 640	4 375	3 720	7 700	7 070	6 500	6 150	5 225	340		
	600/40-22.5 TR-12	2 715	2 445	2 175	1 940	1 745	3 835	3 450	3 070	2 740	2 465	120	
		3 050	2 745	2 440	2 180	1 960	4 310	3 880	3 450	3 080	2 770	150	
3 390		3 050	2 710	2 420	2 180	4 800	4 325	3 840	3 430	3 085	180		
3 710		3 340	2 970	2 650	2 385	5 250	4 725	4 200	3 750	3 375	210		
3 815		3 435	3 050	2 725	2 455	5 405	4 865	4 325	3 860	3 475	220		
4 130		3 715	3 305	2 950	2 655	5 910	5 315	4 725	4 220	3 800	250		
16 PR	4 410	3 970	3 530	3 150	2 835	6 300	5 670	5 040	4 500	4 050	280		
	600/50-22.5 TR-08	3 025	2 720	2 420	2 160	1 945	4 440	3 995	3 550	3 170	2 855	110	
		3 305	2 975	2 645	2 360	2 125	4 830	4 345	3 865	3 450	3 105	130	
3 690		3 320	2 950	2 635	2 370	5 395	4 855	4 320	3 855	3 470	160		
3 940		3 545	3 155	2 815	2 535	5 760	5 185	4 610	4 115	3 705	180		
4 200		3 780	3 360	3 000	2 700	6 125	5 515	4 900	4 375	3 940	200		
4 650		4 185	3 720	3 320	2 990	6 670	6 005	5 335	4 765	4 290	230		
16 PR	5 110	4 600	4 090	3 650	3 285	7 210	6 490	5 770	5 150	4 635	260		
	24"	15.5/80-24 TR-01	3 025	2 720	2 400	2 160	1 945	4 255	3 830	3 375	3 040	2 735	200
			3 185	2 865	2 525	2 275	2 050	4 485	4 040	3 563	3 205	2 885	225
3 305			2 975	2 650	2 360	2 125	4 690	4 220	3 750	3 350	3 015	250	
3 500			3 150	2 775	2 500	2 250	4 965	4 465	3 938	3 545	3 190	275	
3 710			3 340	2 900	2 650	2 385	5 250	4 725	4 125	3 750	3 375	300	
3 815			3 435	3 025	2 725	2 455	5 430	4 890	4 313	3 880	3 490	325	
14 PR		3 920	3 530	3 150	2 800	2 520	5 600	5 040	4 500	4 000	3 600	350	
		4 115	3 700	3 290	2 938	2 645	5 865	5 275	4 690	4 188	3 770	375	
		4 305	3 875	3 445	3 075	2 770	6 125	5 515	4 900	4 375	3 940	410	
163A8		4 480	4 030	3 585	3 200	2 880	6 360	5 725	5 085	4 542	4 090	425	
		4 655	4 190	3 725	3 325	2 995	6 590	5 935	5 275	4 708	4 240	450	
		4 830	4 345	3 865	3 450	3 105	6 825	6 145	5 460	4 875	4 390	475	
17.5L-24 TR-01	2 500	2 250	2 000	1 785	1 605	-	-	-	-	-	110		
	2 800	2 520	2 240	2 000	1 800	-	-	-	-	-	130		
	3 100	2 790	2 480	2 215	1 995	-	-	-	-	-	150		
	3 400	3 060	2 720	2 430	2 185	-	-	-	-	-	170		
	3 705	3 335	2 960	2 645	2 380	-	-	-	-	-	200		
	3 920	3 530	3 135	2 800	2 520	-	-	-	-	-	220		

TRACTOR SMALL TYRES

Tyres suitable above all for gardening equipment - lawn-movers, garden (small) cultivators, mini tractors etc.

TS-01

Traction tread pattern with excellent traction.



TS-02

Traction tread pattern with excellent traction.



TS-03

Traction tread pattern with excellent traction.



TS-04

Traction tread pattern with excellent traction.



TS-05

Traction tread pattern with excellent traction. Applicable for light industrial use as well.



TS-06

Improved tread pattern with excellent traction.



TS-07

Tread pattern specially designed for seed drill machines for soil compaction. Can be used for drive wheels as well.



TD-13

A well-tested and proven traction tread pattern.



TYRE SIZE	TREAD PATTERN	PR	LI FR / DW	SS	TYPE	RIM (PERMITTED)	TUBE/ FLAP	TYRE DIMENSIONS (mm)						LOAD CAPACITY (kg)		INFLATION (kPa)	
								NEW		MAX. IN SERVICE		SR	RC	FR	DW		
								OD	SW	OD	OW						
8"	4.00-8	TS-01	2	43/31	A6	TT/TL	3.00Dx8	4.00-8	425	114	434	120	195	1250	155	109	150
10"	4.0-10	TS-03	2	43/31	A8	TT	3.50Bx10	4.0-10	463	114	473	120	214	1370	155	109	100
			4	49/37	A8	(3.00Bx10)	185								128	190	
	5.0-10	TS-03	2	57/44	A8	TT	4Jx10	5.0-10	512	140	525	147	234	1520	230	160	100
			4	70/58	A8	(3.50Bx10)	335								236	200	
12"	5.00-12	TS-02	2	61/48	A6	TT	4.00Ex12	5.00-12	580	145	592	152	260	1705	257	180	125
			4	74/62	A6	(3.00Dx12)	375								265	225	
			6	78/66	A8		425								300	350	
	6.5/80-12	TS-06	2	67/55	A8	TT	5Jx12	6.5/80-12	604	165	619	173	278	1810	307	218	120
			4	79/68	A8	(5JAx12)	437								315	240	
14"	6.5/75-14	TS-02	4	72/60	A6	TT	5Jx14	155/165-14	610	150	630	158	283	1830	355	250	170
15"	5.00-15	TS-06	4	75/63	A8	TT	3.00Dx15	5.00-15	661	129	675	135	307	1985	387	272	220
			6	84/71	A8	(4Jx15)	500								345	350	
15.3"	6.5/80-15	TS-06	2	72/60	A8	TT	5Jx15	6.5/80-15	685	163	700	171	318	2040	355	250	120
			4	86/75	A8	(41/2Kx15)	530								387	240	
			6	94/82	A8		670								475	360	
			8	100/88	A8		800								560	480	
15.3"	690x180-15	TS-07	4	100/88	A8	TT	5Jx15		690	176	705	185	309	2056	800	560	250
	10.0/75-15.3	TS-05	8	118/106	A8	TL	9.00x15.3	10-15 HS 10/75-15	780	264	800	277	360	2295	1320	950	300
			10	122/111	A8		1500								1090	400	
	11.5/80-15.3	TS-05	10	130/119	A8	TL	9.00x15.3	11.5/80-15	867	290	891	305	410	2550	1900	1360	350
			14	139/126	A8		2430								1700	475	
16"	6.00-16	TS-04 TD-13	6	91/79	A8	TT	4.50Ex16	6.00-16	735	169	750	177	345	2160	615	437	275
			8	100/88	A8	(4.00Ex16)	800								560	400	
	7.50-16	TS-04 TD-13	6	100/88	A8	TT/TL	5.50Fx16	7.50-16	803	205	819	225	375	2360	800	560	225
			8	108/95	A8	(5.00F,6.00F)	1000								690	325	
20"	7.50-20	TS-04 TD-13	6	103/91	A8	TT	5.50Fx16	7.50-20	904	205	922	223	420	2660	875	615	225
						(6.00Fx16)											
	8.3-20	TD-13	6	104/92	A8	TT	W7x20 (W6x20)	8.3-20	895	211	914	230	416	2640	900	630	200

TYRE SIZE	TREAD PATTERN							
	TS-01	TS-02	TS-03	TS-04	TS-05	TS-06	TS-07	TD-13
4.00-8	o							
4.0-10			o					
5.0-10			o					
5.00-12		o						
6.5/80-12						o		
6.5/75-14		o						
6.5/80-15						o		
5.00-15						o		
690x180-15							o	
10.0/75-15.3					o			
11.5/80-15.3					o			
6.00-16				o				o
7.50-16				o				o
7.50-20				o				o
8.3-20								o

VARIATION IN LOAD CAPACITY WITH INFLATION

TYRE SIZE	PR	LOAD CAPACITY PER TYRE (kg)										INFLATION (kPa)	
		FREE ROLLING (km/h)					DRIVE WHEELS (km/h)						
		10	20	25	30	40	10	20	25	30	40		
8"	4.00-8 TS-01		130	115	105	100	90	90	80	75	70	65	80
			175	155	145	135	120	125	110	100	95	90	100
			185	165	155	145	130	130	115	110	102	95	125
10"	4.0-10 TS-03	2 PR	200	175	165	155	140	140	125	115	109	100	150
		2 PR	205	185	175	160	145	150	135	125	115	105	80
		2 PR	215	195	185	170	155	155	135	130	120	109	100
	4 PR		225	200	190	180	160	165	145	135	125	115	125
			230	210	195	185	165	165	155	140	130	120	150
			245	220	210	195	175	175	155	145	140	125	175
			260	235	220	200	185	180	160	150	145	128	190
5.0-10 TS-03	2 PR	285	260	245	230	205	205	185	175	160	145	80	
	2 PR	320	290	275	255	230	225	200	195	180	160	100	
		355	320	305	285	255	255	230	225	205	185	125	
		400	360	340	315	285	280	255	240	225	200	150	
	4 PR	435	390	370	345	310	310	280	260	245	220	175	
12"	5.00-12 TS-02	2 PR	290	255	240	225	205	200	180	165	155	140	100
		2 PR	330	295	275	257	230	230	205	195	180	165	125
		2 PR	370	325	305	285	255	260	230	215	200	180	150
	4 PR		405	360	335	315	285	295	260	245	225	205	175
			445	395	370	345	310	320	280	260	245	225	200
			485	430	400	375	340	340	300	285	265	240	225
			495	440	410	385	345	350	310	290	270	245	250
	6 PR		520	460	435	405	365	370	325	305	285	260	300
			535	475	445	415	375	385	340	320	295	265	325
			550	485	455	425	385	390	345	325	300	270	350
			365	330	310	290	260	265	235	225	210	188	80
			400	360	340	315	285	285	255	240	225	202	100
	6.5/80-12 TS-06	2 PR	430	385	365	345	307	305	275	260	245	218	120
2 PR		475	430	405	375	340	345	310	290	275	245	150	
		520	465	440	410	370	375	335	320	300	267	175	
		555	500	470	440	395	405	365	345	325	288	200	
		595	535	505	470	425	430	385	365	345	306	225	
4 PR		610	550	520	500	437	440	395	375	355	315	240	
		695	625	590	550	495	475	425	400	380	338	275	
		730	655	620	580	520	505	455	430	405	362	300	
		775	700	660	615	555	535	485	455	430	383	325	
		810	730	690	650	580	560	505	475	450	400	350	
14"	6.5/75-14 TS-02		335	295	280	260	235	235	215	195	185	170	100
			380	335	315	295	265	275	235	225	210	190	125
			425	375	355	330	295	300	265	250	230	210	150
		4 PR	460	405	380	355	320	325	285	270	250	225	170
15"	5.00-15 TS-06		425	385	365	340	305	310	275	260	245	220	150
			475	430	405	375	340	340	305	290	270	242	175
			510	460	435	405	365	365	325	310	290	259	200
	4 PR		540	490	460	430	387	385	345	325	310	275	220
			580	520	490	460	410	405	360	340	325	290	250
			610	550	520	480	435	420	380	360	340	300	275
			640	575	540	510	455	440	400	380	355	315	300
			670	600	570	530	480	460	415	395	370	330	325
	6 PR		700	630	595	560	500	480	435	410	390	345	350
			435	390	370	345	310	310	280	265	250	222	80
			475	430	405	375	340	335	300	285	270	239	100
		2 PR	495	445	420	400	355	350	315	300	280	250	120
			600	540	510	475	430	435	395	370	350	312	150
		650	585	555	515	465	475	425	400	380	338	180	
		705	635	600	560	505	515	460	435	410	367	210	
4 PR		740	670	630	600	530	540	485	460	430	385	240	
		790	710	670	630	565	560	505	475	450	401	270	
		840	755	715	670	600	595	535	505	475	425	300	
		890	800	755	710	635	630	565	535	505	450	330	
	6 PR	940	845	795	750	670	665	600	565	530	475	360	

TYRE SIZE	PR	LOAD CAPACITY PER TYRE (kg)										INFLATION (kPa)	
		FREE ROLLING (km/h)					DRIVE WHEELS (km/h)						
		10	20	25	30	40	10	20	25	30	40		
15" 6.5/80-15 TS-06	8PR	1 120	1 010	950	895	800	785	705	670	630	560	480	
690x180-15 TS-07	4 PR	1 030	925	875	825	735	720	650	615	575	515	200	
		1 080	970	915	860	770	755	680	640	600	539	225	
		1 120	1 010	950	890	800	785	705	665	625	560	250	
15.3" 10.0/75-15.3 TS-05	8 PR	1 665	1 500	1 415	1 335	1 190	1 210	1 090	1 030	970	865	250	
		1 755	1 580	1 495	1 405	1 255	1 275	1 145	1 085	1 020	910	275	
		1 850	1 665	1 570	1 480	1 320	1 330	1 195	1 130	1 065	950	300	
	10 PR	1 910	1 720	1 625	1 530	1 365	1 380	1 240	1 170	1 105	985	325	
		1 975	1 775	1 680	1 580	1 410	1 430	1 285	1 215	1 140	1 020	350	
		2 035	1 835	1 730	1 630	1 455	1 475	1 330	1 255	1 180	1 055	375	
		2 100	1 890	1 785	1 680	1 500	1 525	1 375	1 295	1 220	1 090	400	
		2 170	1 955	1 845	1 735	1 550	1 570	1 410	1 335	1 255	1 120	425	
		2 240	2 015	1 905	1 790	1 600	1 610	1 450	1 370	1 290	1 150	450	
	12 PR	2 310	2 080	1 965	1 850	1 650	1 650	1 485	1 405	1 320	1 180	475	
		2 430	2 185	2 065	1 945	1 735	1 715	1 545	1 460	1 370	1 225	500	
		2 550	2 295	2 165	2 040	1 820	1 780	1 600	1 510	1 420	1 270	525	
		2 660	2 395	2 260	2 130	1 900	1 850	1 665	1 570	1 480	1 320	550	
		2 820	2 535	2 390	2 250	2 010	2 035	1 835	1 730	1 630	1 455	375	
		2 970	2 670	2 525	2 375	2 120	2 170	1 955	1 845	1 735	1 550	400	
	14 PR	3 115	2 805	2 650	2 490	2 225	2 240	2 015	1 905	1 790	1 600	425	
		3 260	2 935	2 775	2 610	2 330	2 310	2 080	1 965	1 850	1 650	450	
		3 400	3 060	2 890	2 720	2 430	2 380	2 140	2 035	1 905	1 700	475	
1 820		1 640	1 545	1 455	1 300	1 510	1 360	1 285	1 210	1 080	225		
2 065		1 860	1 755	1 650	1 475	1 580	1 425	1 345	1 265	1 130	250		
2 310		2 080	1 965	1 850	1 650	1 650	1 485	1 405	1 320	1 180	275		
16" 6.00-16 TS-04 TD-13	6 PR	625	560	530	500	445	440	395	375	350	315	150	
		700	630	595	560	500	495	445	420	390	350	175	
		730	655	620	580	520	520	465	440	410	370	200	
		790	710	670	635	565	555	500	475	440	395	225	
		820	735	695	655	585	580	525	495	460	415	250	
		860	775	730	690	615	610	550	520	490	437	275	
	8 PR	930	840	790	745	665	650	585	555	515	465	300	
		980	880	835	785	700	685	615	580	540	485	325	
		1 030	925	875	825	735	720	650	615	570	515	350	
		1 085	975	920	870	775	755	680	640	595	535	375	
		1 120	1 010	950	895	800	785	705	665	615	560	400	
		905	815	770	720	645	630	565	535	500	450	150	
	7.50-16 TS-04 TD-13	6 PR	980	880	835	785	700	685	615	585	540	485	175
			1 065	960	905	850	760	740	665	630	585	525	200
			1 120	1 010	950	895	800	785	705	665	630	560	225
		8 PR	1 220	1 095	1 035	975	870	840	755	715	665	600	250
			1 280	1 155	1 090	1 025	915	880	795	750	700	630	275
			1 360	1 220	1 155	1 085	970	935	840	795	740	665	300
20" 7.50-20 TS-04 TD-13	6 PR	1 400	1 260	1 190	1 120	1 000	965	870	820	775	690	325	
		985	890	840	790	705	690	620	585	545	490	150	
		1 065	960	905	850	760	745	670	635	590	530	175	
		1 155	1 040	980	925	825	810	730	690	640	575	200	
		1 225	1 105	1 040	980	875	860	775	730	690	615	225	
		915	810	760	710	630	530	465	440	410	370	80	
	8.3-20 TD-13	6PR	980	865	815	760	675	595	525	490	460	415	100
			1 045	925	865	810	720	660	580	545	510	460	120
			1 110	980	920	860	765	720	640	600	560	505	140
			1 175	1 035	975	910	810	785	695	655	610	550	160
			1 240	1 095	1 025	960	855	850	750	705	660	595	180
			1 305	1 150	1 080	1 010	900	915	810	760	710	630	200

The Table of Variation in load capacity with speed dependence you can find on page 25.

TRACTOR FRONT TYRES

Tyres suitable above all for agricultural tractors and agricultural self-propelled application.

TF-01

Multi-rib tread profile without any lateral tread elements or side lugs, suitable above all for steering tractor wheels.



TF-03

Multi-rib tread profile with strong shoulder lugs and lateral tread elements, suitable above all for steering tractor wheels.



TF-04

Tread pattern with high stability in track due to strong relief of design. Good steering characteristics, especially on sloping terrains and in wet conditions.



TF-05

Designed for non-driven wheels of tractors. Improved performance in on-the-road service. Very good straight-line steering characteristics.



TF-06

Tread pattern with very good straight-line characteristics especially on soft terrain and long service life.



F 3 (IM-05)

Special tread pattern, designed above all for steering wheels of industrial tractors.



TYRE SIZE	TREAD PATTERN					
	TF-01	TF-03	TF-04	TF-05	TF-06	F 3
6.00-16	o	o			o	
6.50-16		o		o		
7.50-16	o	o		o		
9.00-16		o				
10.00-16		o				
11L-16						o
6.00-18		o	o			
6.50-20		o	o	o		
7.50-20	o	o		o		

VARIATION IN LOAD CAPACITY WITH SPEED DEPENDENCE

Tractor Front - Steering Wheels

SPEED (km/h)	10*	15	20	25	30	35	40	45
SPEED	A6	+ 50%	+ 43%	+ 35%	+ 15%	(0)	- 10%	- 20%
CATEGORY	A8	+ 67%	+ 50%	+ 39%	+ 28%	+ 11%	+ 4%	(0)
								- 7%

* Basic Inflation Pressure must be increased by about 25%. If a front-end loader is fitted on the tractor, + 100% applies.

For Non-standard version, please contact a producer.
These tyres are for normal agricultural use and not for continuous highway service.

TYRE SIZE	TREAD PATTERN	PR	LI / SS	TYPE	RIM (PERMITTED)	TUBE	TYRE DIMENSIONS (mm)						LOAD CAPACITY (kg) 30 km/h	INFLATION (kPa)	
							NEW		MAX. IN		SR	RC			
							OD	SW	OD	OW					
16"	6.00-16	TF-01 TF-03 TF-06	6	88A6 / 80A8	TT	4.50Ex16 (4.00E,5K,5.00F)	6.00-16	735	165	751	180	340	2160	560	330
	6.50-16	TF-03 TF-05	6	91A6 / 83A8	TT	4.50Ex16 (4.00E,5K,5.00F,5.50F)	6.50-16	760	175	778	191	350	2230	615	320
		TF-03	8	97A6 / 89A8											
	7.50-16	TF-01 TF-03 TF-05	6	98A6 / 90A8	TT	5.50Fx16 (5.00F, 6.00F)	7.50-16	805	205	825	223	370	2365	750	280
	9.00-16	TF-03	6	104A6 / 97A8	TT	W8x16 (6.00F,W7, W8L)	9.00-16	855	234	891	255	395	2514	900	225
	10.00-16	TF-03	8	118A6 / 114A8	TT	W8x16 (W8Lx16)	9.00-16 10.00-16	895	274	925	299	411	2630	1310	280
11L-16	F 3	10	119A6 / 115A8	TL	W8x16	-	805	285	825	299	372	2365	1360	375	
18"	6.00-18	TF-03 TF-04	6	96A6 / 88A8	TT	4.50Ex18 (4.00E,5K,5.00F)	6.00-18	790	160	867	175	365	2323	710	320
	20"	6.50-20	TF-03 TF-04 TF-05	6	97A6 / 89A8	TT	5.00Fx20 (4.00E, 5.50F)	6.50-20	865	175	883	191	408	2543	730
7.50-20		TF-01 TF-03 TF-05	6	103A6 / 96A8	TT	5.50Fx20 (5.00F, 6.00F)	7.50-20	915	205	935	223	420	2690	875	280

VARIATION IN LOAD CAPACITY WITH INFLATION

TYRE SIZE	PR	LOAD CAPACITY PER TYRE (kg)				INFLATION (kPa)		
		SPEED (km/h)						
		10*	20	30	40			
16"	6.00-16 TF-01 TF-03 TF-06	6 PR	445	400	295	235	100	
			480	430	320	255	125	
			535	480	355	285	150	
			585	525	390	310	175	
			630	565	420	335	200	
			675	610	450	360	225	
			720	650	480	385	250	
			765	690	510	410	275	
			805	720	535	430	300	
			840	755	560	450	330	
6.50-16 TF-03 TF-05	6 PR	475	425	315	250	100		
		525	475	350	280	125		
		580	520	385	310	150		
		630	565	420	335	175		
		685	615	455	365	200		
		735	660	490	390	225		
		790	710	525	420	250		
		850	765	565	450	275		
		900	810	600	480	300		
		925	830	615	485	320		
7.50-16 TF-01 TF-03 TF-05	6 PR	780	700	520	415	150		
		850	765	565	450	175		
		925	830	615	490	200		
		985	885	655	525	225		
		1 050	945	700	560	250		
		1 125	1 015	750	600	280		
		9.00-16 TF-03	6PR	835	750	555	445	100
				930	835	620	495	125
				1 035	930	690	550	150
				1 140	1 025	760	610	175
1 245	1 120			830	665	200		
1 350	1 215			900	730	230		

TYRE SIZE	PR	LOAD CAPACITY PER TYRE (kg)				INFLATION (kPa)				
		SPEED (km/h)								
		10*	20	30	40					
16"	10.00-16 TF-03	6 PR	1 075	895	715	645	100			
			1 200	1 000	800	720	125			
			1 335	1 110	890	800	150			
			1 460	1 215	970	875	175			
			1 585	1 320	1 055	950	200			
			1 710	1 425	1 140	1 025	225			
			1 835	1 530	1 220	1 100	250			
			1 970	1 640	1 310	1 180	280			
			18"	6.00-18 TF-03 TF-04	6 PR	705	635	470	375	200
						780	700	520	415	225
855	770	570				455	250			
930	835	620				495	275			
1 005	905	670				535	300			
1 065	960	710				560	320			
20"	6.50-20 TF-03 TF-04 TF-05	6 PR				795	715	530	425	200
						855	770	570	455	225
						930	835	620	495	250
						990	890	660	530	275
			1 060	950	705	565	300			
			1 095	985	730	580	320			
			7.50-20 TF-01 TF-03 TF-05	6 PR	880	790	585	470	150	
					970	870	645	515	175	
					1 050	945	700	560	200	
					1 140	1 025	760	610	225	
1 215	1 095	810			650	250				
1 315	1 180	875			700	280				

BANTAM TYRES

Tyres suitable above all for hand trucks and light agricultural equipment

B 1

S-03

B 5



TYRE SIZE	TREAD PATTERN	PR	LI / SS	TYPE	RIM (PERMITTED)	TUBE/ FLAP	TYRE DIMENSIONS (mm)				LOAD CAPACITY (kg)	INFLATION (kPa)	
							NEW OD	SW	MAX. IN SERVICE OD	OW			
4"	12 x 4	B 1 AERO	2	36 A4	TT	2.10x4	12x4	313	114	319	120	125	200
			4	60A4								250	200
			4	28 J								100	200
8"	16 x 4	B 5	2	52 A2	TT	2.50Ax8 (2.50x8)	16x4	415	114	423	120	200	200
			4	71 A2								345	350
			4	71 J								345	350
4.00-8	S-03	2	42 A2	TT	2.50Ax8 (2.50x8)	4.00-8	425	114	434	120	150	170	

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

Tread Pattern Markings - United States

TD-01	R-1
TD-02	R-1
TD-03	R-1
TD-13	R-1
TD-17	R-1
TD-19	R-1

TS-01	R-1
TS-02	R-1
TS-03	R-1
TS-04	R-1
TS-05	R-1
TS-06	R-1
TS-07	R-1

AR-01	HF-3
AR-02	HF-3

RD-01	R-1
RD-02	R-1
RD-03	R-1
RD-20	R-1
RD-30	R-1
RD-70	R-1

TR-01	R-1
TR-03	R-4
TR-04	R-4
TR-05	R-4
TR-06	HF-2
TR-07	HF-4
TR-08	HF-3
TR-09	R-4
TR-10	R-4
TR-11	R-4
TR-12	R-4

IM-01	I-3
IM-02	I-3
IM-03	I-2
IM-04	I-2
IM-06	I-1
IM-07	I-2
IM-08	I-1
IM-09	I-2
IM-10	I-1

TF-01	F-2
TF-03	F-2
TF-04	F-2
TF-05	F-2
TF-06	F-2
F 3	F-3

STORAGE

Keep the tyres clean 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.

REPAIRS TO TYRES

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 incorrect tread wear but also in ply separation and eventually further damage to the ply.

Overinflation makes tyre stiff decreasing its resistance against hits, leading to ply tear.

Instructions for Fitting and Removing

Demounting and mounting procedures can be dangerous, and should be done only by trained and qualified staff, using proper tools and procedures. Failure to comply to 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.

Fitting

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 recommended or permitted rims 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 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 base 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 position 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 a safe distance, always use a safety cage, if possible fastened to the wall, or with 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 250 kPa 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. Once all the previous operations have been correctly done refit the valve core. Set to 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 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.

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 antifreeze must be added.

Instructions for adding liquid

1. Jack the wheel up and position the valve at the highest vertical point.
2. The removable valve body is to be unscrewed from the valve and a combined air-water fill and draining valve is to be connected to the valve chunk. Through this valve the air can be removed from the tyre, 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. The valve body has to be replaced and the tyre should be inflated 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 valve. Inflate with air up to the recommended pressure.

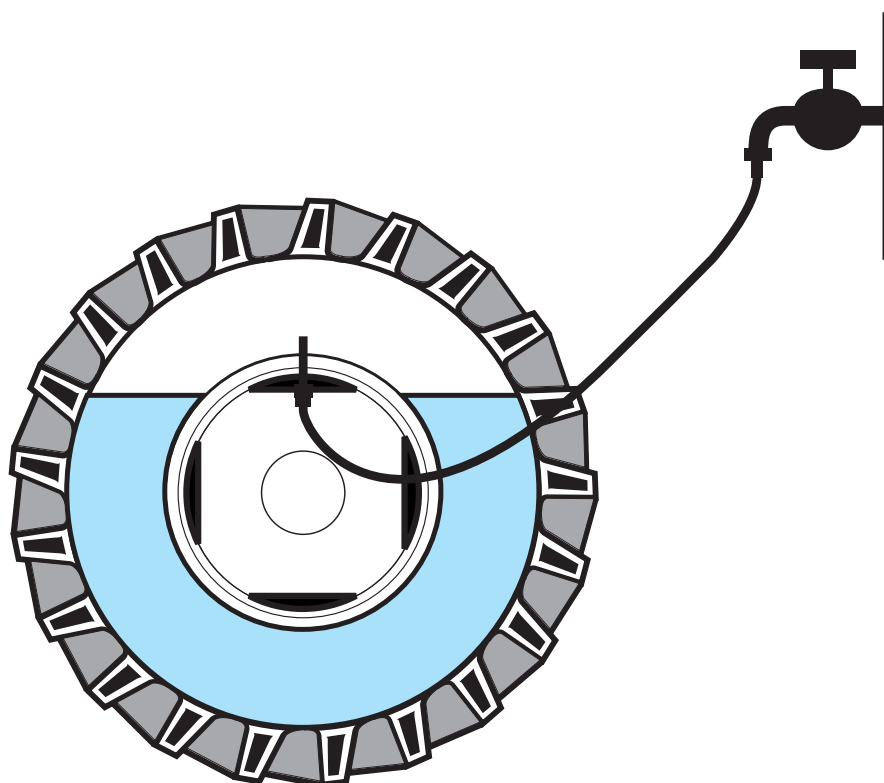
Anti-freeze solution

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 onto Calcium Chloride, it is dangerous.

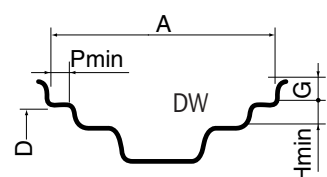
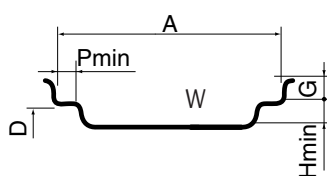
ANTI-FREEZE SOLUTION

CaCl ₂ PER LITRE OF WATER	PROTECTION TO
200g	-10°C
250g	-15°C
300g	-20°C
350g	-25°C
400g	-30°C



W and DW rims

TYPE	A	G	P min.	H min.
W6	152,4	22,2	23,8	20,6
W7	177,8	22,2	23,8	20,6
W8	203,2	22,2	23,8	20,6
W9	228,6	25,4	27,0	20,6
W10	254,0	25,4	27,0	20,6
W11	279,4	25,4	27,0	20,6
W12	304,8	25,4	27,0	20,6
W13	330,2	25,4	27,0	20,6
W8L	203,2	21,6	27,0	20,6
W14L	355,6	25,4	33,0	20,6
W15L	381,0	25,4	33,0	20,6
W16L	406,4	25,4	33,0	20,6
W18L	457,2	25,4	33,0	20,6
DW16L	406,4	25,4	50,8	27,0
DW18L	457,2	25,4	50,8	27,0
DW20	508,0	28,6	41,3	27,0



nominal	D
16"	405,6
18"	462,0
24"	614,4
26"	665,2
28"	716,0
30"	766,8
34"	868,4
36"	919,2
38"	970,0
42"	1071,6

SAMPLE OF RIM MARKING

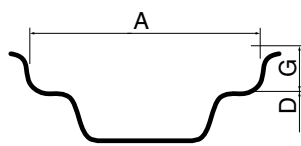
DW18L x 38	MEANING
DW	Rim Contour
18	Nominal Rim Width in inches
L	Flange Height code
x	One-piece rim
38	Nominal Rim Diameter in inches

FURTHER SAMPLES OF MARKING

W	Wide Drop Centre - Single Well shape rim
DW	Wide Drop Centre - Double Well shape rim
SDC	Semi-drop Centre rim
-	Multi-piece rim
x	One-piece rim
H2	Double Hump
DC	Drop Centre rim

5° Drop-centre rims

RIM	A	G	D
4.00Ex12	101,6	19,8	304
4.00Ex16	101,7	20,8	405,6
4.50Ex16	114,3	19,8	405,6
5.00Fx16	127,0	22,2	405,6
5.00Fx20	127,0	22,2	512,8
5JAx12	127	15,8	304
5.50F x16	139,7	22,2	405,6
5.50Fx20	139,7	23,2	512,8
6.00Fx16	152,4	22,2	405,6
6.00Fx20	152,4	22,2	512,8
7.00x12	177,8	20,5	305,6
7.00x15	177,8	20,5	380,2
7.00l-16	177,8	15,8	405,6



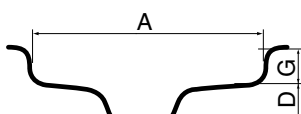
5° Drop-centre rims

RIM	A	G	D
9x18	228,6	25,4	462
9.00x12	228,6	19	305,6
9.00x15.3	228,6	19	388,8
11x18	279,4	25,4	462
12x18	304,8	25,4	462
13x17	330,2	25,4	436,6
13.00x17	330,2	19	436,6
16.00x17	406,4	19	436,6



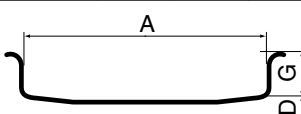
5° Drop-centre rims

RIM	A	G	D
2.50x8	63,5	11,1	202,4
2.50Ax8	63,5	11,1	202,4
3.00Dx8	76,2	17,5	202,4
3.00Dx10	76,2	17,5	253,2
3.00Dx12	76,2	17,5	304,0
3.00Dx15	76,2	17,5	380,2



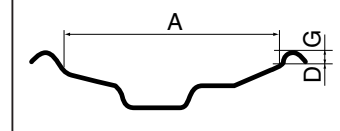
5° Ráfek

RÁFEK	A	G	D
7.0-401.5	177,8	38,1	401,5



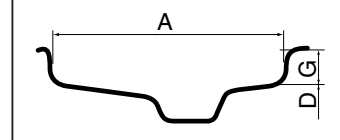
15° Drop-centre rims

RIM	A	G	D
6.75x14.5	171,5	12,7	368,3
10.50x17.5	266,5	12,7	444,5
11.75x22.5	298,5	12,7	571,5
13.00x15.5	330,0	12,7	393,7
14.00x22.5	355,6	12,7	571,5
16.00x22.5	406,4	12,7	571,5
20.00x22.5	508,0	12,7	571,5



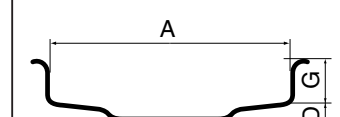
5° Drop-centre rims

RIM	A	G	D
3.00Bx10	76,2	14,0	253,2
3.50Bx10	88,9	14,0	253,2
4jx10	101,6	17,3	253,2
4jx15	101,6	17,3	380,2
41/2Kx15	114,3	18,0	380,2
5jx12	127,0	17,3	304,0
5jx14	127,0	17,3	354,8
5jx15	127,0	17,3	380,2



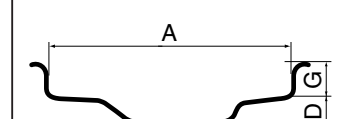
5° Poloprohloubený ráfek

RÁFEK	A	G	D
13x20 SDC	330,2	25,4	512,8



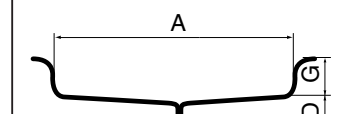
5° Poloprohloubený ráfek

RÁFEK	A	G	D
13LBx15	330,2	11	380,2



5° Dělený ráfek

RÁFEK	A	G	D
2.10-4	53,3	11,9	100,8



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A series of horizontal dotted lines for writing notes.