



The Czech Rubber Company manufactures and globally distributes products for the automotive industry and other industries.



- 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

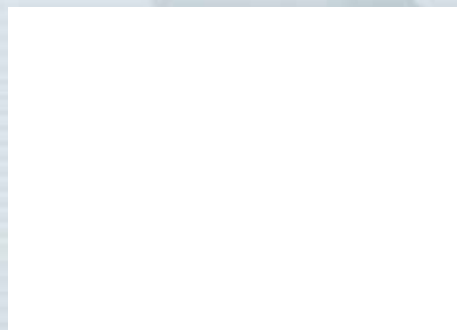


- Global sales network for tyres



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Dealer:





Construction

EM, MPT & INDUSTRIAL TYRES

TECHNICAL INFORMATION 2007



List of Tread Patterns



MPT-20



MPT-21



MPT-22



MPT-01



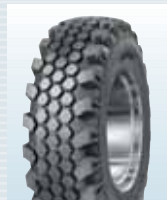
MPT-02



MPT-03



MPT-04



MPT-05



MPT-06



MPT-07



EM-01



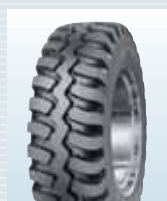
EM-02



EM-20 (NB 38)



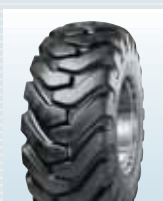
EM-30 (NB 57)



EM-50



EM-60



EM-70



EM-22



EM-23



EM-40



NB 38



NB 38 EXTRA



NB 57



SP 1



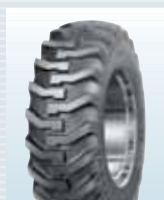
TR-12



TI-20



TI-02



TI-03



TI-04



TI-05



TI-06



TI-09



TD-03



TR-01



TR-09



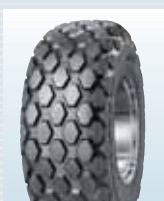
COMPACTOR



TD-01



TG-02



UK 5



SK-01



SK-02



TR-10



FL-01



FL-02



FL-03



FL-04



FL-05



FL-06



FL-07



FL-08

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EM Earthmover (diagonal)	18
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TG Tractor Grader & Roller	30
SK Skid Steer	32
FL Fork Lift	34
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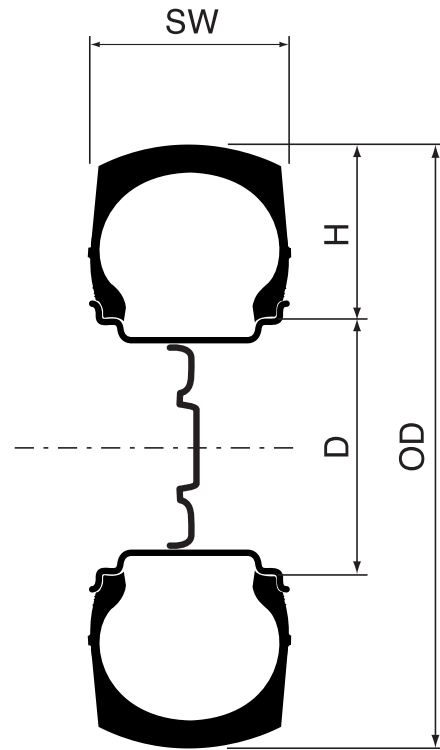
8-24"

TYRE SIZE		TREAD PATTERN	PAGE	TREAD PATTERN	PAGE	TREAD PATTERN	PAGE	TREAD PATTERN	PAGE
8"	4.00-8	FL-01	35	FL-03	35	FL-08	35		
	5.00-8	FL-01	35	FL-03	35	FL-08	35		
	16x6-8	FL-01	35						
	18x7-8	FL-01	35	FL-08	35				
9"	6.00-9	FL-01	35	FL-02	35	FL-08	35		
	21x8-9	FL-01	35						
10"	6.50-10	FL-01	35	FL-02	35	FL-08	35		
	23x9-10	FL-01	35	FL-08	35				
12"	7.00-12	FL-01	35	FL-02	35	FL-08	35		
	23x8.50-12	SK-01	33	SK-02	33				
	27x10-12	FL-01	35						
13"	23x5	FL-05	35	FL-07	35				
15"	7.50-15	FL-01	35	FL-08	35				
	8.15-15	FL-01	35	FL-04	35	FL-08	35		
	250-15	FL-08	35						
	8.25-15	FL-01	35	FL-06	35	FL-08	35		
	27x8.50-15	SK-02	33						
15.3"	10.0/75-15.3 IND	SK-01	33						
16.5"	10-16.5	SK-02	33						
	12-16.5	SK-02	33						
17.5"	14-17.5	TR-10	27, 33						
18"	10.5-18	MPT-01	11	MPT-02	11				
	12.5-18	MPT-01	11	MPT-02	11	MPT-03	11	MPT-04	11
	12.5/80-18	TR-09	27						
	335/80R18 (12.5R18)	EM-02	8, 16						
	365/70R18	EM-01	16						
	405/70R18 (16/70R18)	EM-01	16						
19.5"	18-19.5	MPT-02	11	MPT-03	11	MPT-06	11		
20"	8.25-20	EM-22	23	NB 38	23	NB 38 Extra	23		
	9.00-20	EM-22	23	EM-40	23	NB 38	23	NB 38 Extra	23
	10.00-20	EM-22	23	EM-23	23	NB 38	23	NB 38 Extra	23
	10.00-20	EM-40	23	SP 1	23				
	11.00-20	NB 38	23	NB 57	23				
	11.00-20	COMPACTOR	30	COM. EXTRA	30	COM. SMOOTH	30		
	11.00R20	COMPACTOR	30						
	10.5-20	MPT-04	11	MPT-05	11	MPT-07	11		
	12.5-20	MPT-01	11	MPT-03	11	MPT-04	11	MPT-05	11
	14.5-20	MPT-03	11	MPT-04	11	MPT-05	11		
	16.0/70-20	TR-09	27						
	16/70-20 (405/70-20)	MPT-02	11	MPT-04	11	MPT-05	11		
	405/70-20 (16/70-20)	MPT-01	11	MPT-03	11				
	13/80R20	COMPACTOR	30						
	335/80R20 (12.5R20)	MPT-20	8	MPT-21	8	EM-01	16		
	365/80R20 (14.5R20)	MPT-20	8	MPT-21	8	EM-01	16		
	405/70R20 (16/70R20)	MPT-21	8	EM-01	16				
22.5"	500/45-20	TR-12	23						
	18-22.5	MPT-06	11						
	500/60-22.5	TR-12	23						
	600/40-22.5	TR-12	23						
24"	13.00-24	TG-02	30						
	14.00-24	TG-02	30						
	405/70-24 (16/70-24)	MPT-01	11	MPT-04	11				

24-30"

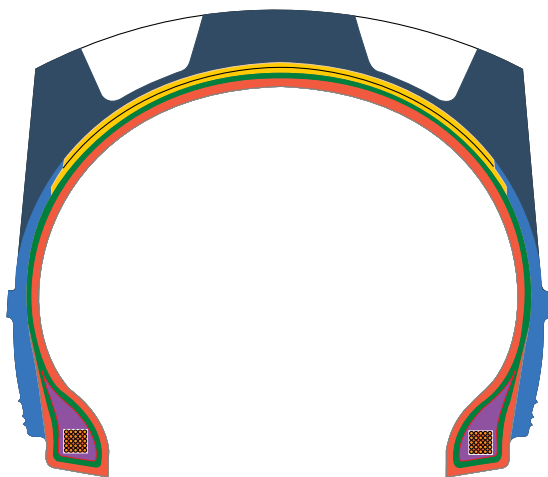
TYRE SIZE		TREAD PATTERN	PAGE	TREAD PATTERN	PAGE	TREAD PATTERN	PAGE	TREAD PATTERN	PAGE
24"	14.9-24 IND	UK 5	27, 30						
	15.5/80-24	TR-01	27						
	16.9-24 IND	TI-04	27						
	17.5L-24 IND	TI-02	27	TR-01	27				
	19.5L-24 IND	TI-05	27						
	20-24 (22/70-24)	EM-70	19						
	405/70R24 (16/70R24)	MPT-21	8	EM-01	16				
	440/70R24 (17.5LR24)	EM-02	16						
	445/70R24 (17.5LR24)	MPT-22	8						
25"	15.5-25	EM-20	19	EM-30	19	EM-50	19	EM-60	19
	17.5-25	EM-20	19	EM-30	19	EM-60	19		
	20.5-25	EM-20	19	EM-30	19	EM-60	19		
	23.5-25	EM-20	19	EM-30	19	EM-60	19		
	26.5-25	EM-20	19	EM-30	19	EM-60	19		
	18.00-25	EM-20	19	EM-30	19				
26"	18.4-26 IND	TI-06	27						
	480/80R26 IND	TI-20	27						
	23.1-26	TD-01	30						
	23.1-26 IND	UK 5	27, 30						
28"	16.9-28 IND	TI-03	27	TI-06	27				
	440/80R28 IND	TI-20	27						
29"	26.5-29	EM-30	19						
30"	16.9-30 IND	TD-03	27	TI-09	27				

405/70R24	
405	Nominal Section Width (in mm)
70	Aspect Ratio H/SW (in %)
R	Radial construction
24	Nominal Rim Diameter (in inches)
16/70-20	
16	Nominal Section Width (in inches)
70	Aspect Ratio H/SW (in %)
-	Cross-ply construction
20	Nominal Rim Diameter (in inches)
27x8.50-12	
27	Overall Diameter (in inches)
8.5	Nominal Section Width (in inches)
-	Cross-ply construction
12	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)
12.5-18	
12.5	Nominal Section Width (in inches)
-	Cross-ply construction
18	Nominal Rim Diameter (in inches)
23x5	
23	Overall Diameter (in inches)
5	Nominal Section Width (in inches)

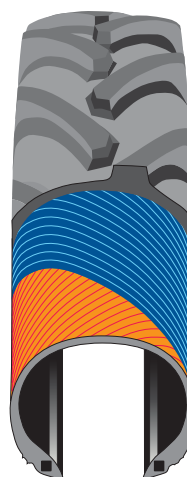


SW Section Width
OD Overall Diameter
H Section Height
D Rim Diameter

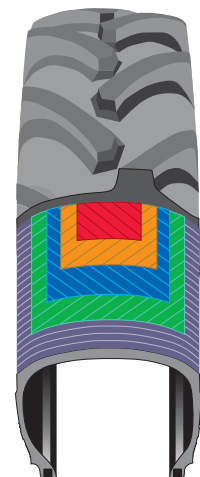
Tyre Structure



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
405/70R24	Tyre Size Marking
16/70R24	Alternative Tyre Size Marking
EM-01	Tread Pattern Code
146	Load Index (LI 146=3000kg)
B	Speed Symbol (B=50km/h)
158	Load Index (LI 158=4250kg)
A2	Speed Symbol (A2=10km/h)
TUBELESS	Tubeless Tyre
➤➤	Direction of Rotation

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 by the tyre manufacturer.
FR	Free Rolling Wheels	Free rolling wheels, that do not transmit motion.
DW	Drive Wheels	Drive wheels, which transmit motion.
RIM	Recommended Rim and types of service	The rim which gives the best fitment of the tyre for all conditions.
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.
TREAD WIDTH	Tread Width	Distance across tread surface.
MIN.DUAL SPACING		The minimum dimension recommended from rim centerline to rim centerline for optimum performance of a dual wheel installation.
STEERING WHEEL		The steering wheels load capacities at 16mph (25 km/h) are to be applied for tyres on side loading forklift trucks, straddle trucks and portal lift trucks with a maximum speed of 16 mph (25km/h).
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.
TRANSPORT	Transport	Transport is the conveying process in which the machine or the vehicle carries a load over a reasonably long distance to the unloading point, after loading the cargo itself receiving the cargo from some kind of loading device. The machine/vehicle generally returns unloaded to the prospecting point.
LOADING	Loading	Loading is a term, which covers the loosening of earth, stones, etc., by the shovel of a vehicle, as well as the picking up and dumping of goods onto vehicles, in processing facilities, on stockpiles/dumps or on building sites. The tyre load capacities and pressures given in the table are based on speed of around 10 km/h and distance of about 100 m.
INFLATION	Inflation Pressure	The „cold“ pressure (kPa) of the fluid with which the tyre is inflated.
ETRTO	The European Tyre and Rim Technical Organisation	Data in this Technical Databook are relevant to ETRTO standards, where further data can be found.
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 which 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
80	450	102	850	124	1 600	146	3 000	168	5 600	190	10 600
81	462	103	875	125	1 650	147	3 075	169	5 800	191	10 900
82	475	104	900	126	1 700	148	3 150	170	6 000	192	11 200
83	487	105	925	127	1 750	149	3 250	171	6 150	193	11 500
84	500	106	950	128	1 800	150	3 350	172	6 300	194	11 800
85	515	107	975	129	1 850	151	3 450	173	6 500	195	12 150
86	530	108	1 000	130	1 900	152	3 550	174	6 700	196	12 500
87	545	109	1 030	131	1 950	153	3 650	175	6 900	197	12 850
88	560	110	1 060	132	2 000	154	3 750	176	7 100	198	13 200
89	580	111	1 090	133	2 060	155	3 875	177	7 300	199	13 600
90	600	112	1 120	134	2 120	156	4 000	178	7 500	200	14 000
91	615	113	1 150	135	2 180	157	4 125	179	7 750	201	14 500
92	630	114	1 180	136	2 240	158	4 250	180	8 000	202	15 000
93	650	115	1 215	137	2 300	159	4 375	181	8 250	203	15 500
94	670	116	1 250	138	2 360	160	4 500	182	8 500	204	16 000
95	690	117	1 285	139	2 430	161	4 625	183	8 750	205	16 500
96	710	118	1 320	140	2 500	162	4 750	184	9 000	206	17 000
97	730	119	1 360	141	2 575	163	4 875	185	9 250	207	17 500
98	750	120	1 400	142	2 650	164	5 000	186	9 500	208	18 000
99	775	121	1 450	143	2 725	165	5 150	187	9 750	209	18 500
100	800	122	1 500	144	2 800	166	5 300	188	10 000	210	19 000
101	825	123	1 550	145	2 900	167	5 450	189	10 300	211	19 500

SPEED CATEGORY

SPEED SYMBOL	A2	A3	A4	A5	A6	A7	A8	B	D	E	F	G	J	K
SPEED (km/h)	10	15	20	25	30	35	40	50	65	70	80	90	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

Lenght
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 = 1 609 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
-
-
-

MULTIPURPOSE RADIAL TYRES

MPT-20

Universal perennial tread pattern for on and off road application. Especially suitable for municipal, military, on road service and other special service vehicles.

MPT-21

Non-directional tread pattern for all-round application on and off the road with good traction and effective self-cleaning properties. Suitable above all for multipurpose trucks and municipal vehicles.

MPT-22 (EM-02)

Tread pattern with good traction and effective self-cleaning properties and excellent working life. Suitable above all for backhoe loaders, wheeled loaders, telescopic handlers and similar vehicles for light service and also suitable for agricultural application.



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					
18"	335/80R18 (12.5R18)	EM-02	132G	TL	11x18 (12x18)	993	340	1025	354	448	2979	2000	350	
	20"	335/80R20 (12.5R20)	MPT-20	147K	TL	11x20 (12x20)	1044	340	1076	354	474	3132	3075	650
20"	335/80R20 (12.5R20)	MPT-21	139J	TL	11x20 (12x20)	1044	340	1076	354	474	3132	2430	450	
	365/80R20 (14.5R20)	MPT-20	152K	TL	11x20 (12x20)	1092	367	1128	374	495	3318	3550	625	
	365/80R20 (14.5R20)	MPT-21	152J	TL	11x20 (12x20)	1092	360	1128	374	493	3276	3550	625	
	405/70R20 (16/70R20)	MPT-21	152J	TL	13x20 (12x20)	1076	407	1110	423	492	3228	3550	600	
	24"	405/70R24 (16/70R24)	MPT-21	152J	TL	13.0x24	1178	407	1212	423	538	3534	3550	500
	445/70R24 (17.5LR24)	MPT-22	151G	TL	DW15Lx24	1255	465	1292	471	573	3765	3450	410	

TYRE SIZE	TREAD PATTERN			
	MPT-20	MPT-21	MPT-22	EM-02
335/80R18 (12.5R18)				o
335/80R20 (12.5R20)	o	o		
365/80R20 (14.5R20)	o	o		
405/70R20 (16/70R20)		o		
405/70R24 (16/70R24)		o		
445/70R24 (17.5LR24)			o	

VARIATION IN LOAD CAPACITY WITH INFLATION

TYRE SIZE	LI / SS	LOAD CAPACITY PER TYRE (kg)									INFLATION (kPa)	
		SPEED (km/h)										
		0	10	40	50	70	80	90	100	110		
18"	335/80R18 EM-02	132G	1 913	1 185	890	850	800	795	765	-	-	100
			2 738	1 690	1 260	1 205	1 140	1 120	1 095	-	-	160
			3 250	2 045	1 490	1 440	1 375	1 340	1 300	-	-	200
			3 763	2 370	1 715	1 670	1 595	1 550	1 505	-	-	240
			4 463	2 840	2 040	2 000	1 905	1 840	1 785	-	-	300
			5 000	3 190	2 300	2 240	2 140	2 080	2 000	-	-	350
20"	335/80R20 MPT-20	147K	3 300	2 376	1 518	1 478	1 412	1 373	1 346	1 320	1 320	200
			4 500	3 240	2 070	2 016	1 926	1 872	1 836	1 800	1 800	300
			5 600	4 032	2 576	2 509	2 397	2 330	2 285	2 240	2 240	400
			6 563	4 725	3 019	2 940	2 809	2 730	2 678	2 625	2 625	500
			7 438	5 355	3 421	3 332	3 183	3 094	3 035	2 975	2 975	600
			7 688	5 535	3 536	3 444	3 290	3 198	3 137	3 075	3 075	650
	335/80R20 MPT-21	139J	2 430	1 515	1 155	1 142	1 080	1 055	1 030	1 020	-	150
			3 060	1 845	1 445	1 417	1 345	1 313	1 280	1 265	-	200
			3 650	2 260	1 715	1 691	1 600	1 565	1 530	1 510	-	250
			4 215	2 555	1 985	1 943	1 845	1 800	1 755	1 735	-	300
			4 835	3 015	2 300	2 262	2 160	2 103	2 045	2 020	-	350
			5 340	3 330	2 545	2 503	2 380	2 325	2 270	2 235	-	400
	365/80R20 MPT-20	152K	5 850	3 650	2 790	2 722	2 600	2 540	2 480	2 430	-	450
			3 613	2 510	1 662	1 618	1 546	1 503	1 474	1 395	1 395	200
			5 000	3 485	2 300	2 240	2 140	2 080	2 040	2 000	2 000	300
			6 438	4 420	2 961	2 884	2 755	2 678	2 627	2 575	2 575	400
			7 500	5 375	3 450	3 360	3 210	3 120	3 060	2 970	2 970	500
			8 625	6 240	3 968	3 864	3 692	3 588	3 519	3 450	3 450	600
	365/80R20 MPT-21	152J	8 875	6 390	4 083	3 976	3 799	3 692	3 621	3 550	3 550	625
			2 800	1 745	1 260	1 238	1 185	1 158	1 130	1 105	-	150
			3 525	2 225	1 620	1 607	1 520	1 488	1 455	1 435	-	200
			4 875	3 090	2 255	2 223	2 100	2 058	2 015	1 985	-	300
			6 150	3 790	2 725	2 654	2 530	2 470	2 410	2 370	-	400
			7 450	4 595	3 325	3 265	3 095	3 023	2 950	2 915	-	500
405/70R20 MPT-21	152J	8 650	5 400	3 930	3 836	3 660	3 573	3 485	3 425	-	600	
		8 950	5 600	4 080	3 976	3 800	3 710	3 620	3 550	-	625	
		2 780	1 765	1 270	1 249	1 175	1 153	1 130	1 115	-	150	
		4 270	2 740	1 980	1 943	1 830	1 798	1 765	1 735	-	250	
		5 635	3 600	2 620	2 559	2 430	2 385	2 340	2 285	-	350	
		7 030	4 505	3 305	3 254	3 070	3 013	2 955	2 905	-	450	
24"	405/70R24 MPT-21	152J	8 210	5 240	3 815	3 730	3 530	3 465	3 400	3 330	-	550
			8 950	5 600	4 080	3 976	3 800	3 710	3 620	3 550	-	600
			3 225	1 990	1 435	1 378	1 270	1 258	1 245	1 230	-	150
			4 085	2 525	1 820	1 753	1 670	1 628	1 585	1 565	-	200
			4 920	3 035	2 200	2 106	2 020	1 967	1 915	1 880	-	250
			5 750	3 535	2 575	2 486	2 370	2 313	2 255	2 220	-	300
	445/70R24 MPT-22	151G	6 545	4 065	2 940	2 845	2 715	2 650	2 585	2 540	-	350
			7 390	4 555	3 315	3 209	3 055	2 980	2 905	2 865	-	400
			8 165	5 055	3 675	3 573	3 390	3 310	3 230	3 190	-	450
			8 950	5 600	4 080	3 976	3 800	3 710	3 620	3 550	-	500
			3 000	2 150	1 380	1 344	1 284	1 248	1 200	-	-	100
			4 825	3 470	2 220	2 162	2 065	2 007	1 930	-	-	200
		6 625	4 770	3 050	2 968	2 836	2 756	2 650	-	-	300	
		7 525	5 430	3 470	3 371	3 221	3 130	3 010	-	-	350	
		8 450	6 080	3 880	3 786	3 617	3 515	3 380	-	-	400	
		8 625	6 210	3 970	3 864	3 692	3 588	3 450	-	-	410	

MULTIPURPOSE TYRES

MPT-01

Tread pattern with very good traction and self-cleaning properties. Suitable above for all loader applications.



MPT-02

Universal tread pattern for different using with good traction and self-cleaning properties.



MPT-03

Universal tread pattern for on and off road application with good traction. Suitable for municipal, on road service, agricultural and other special service vehicles.



MPT-04

Tread pattern with excellent treadwear and durability. Maximum traction capabilities in soft soil.



MPT-05

Universal perennial tread pattern for on and off road application. Especially suitable for municipal, military, on road service and other special service vehicles.



MPT-06

Tread pattern with excellent traction properties and enhanced stability. Especially suitable for telescopic handlers and excavators as well.



MPT-07

Non-directional tread pattern especially suitable for special service vehicles.



	TYRE SIZE	TREAD PATTERN	PR	LI / SS	TYPE	RIM (PERMITTED)	TUBE	TYRE DIMENSIONS (mm)						LOAD CAPACITY (kg)	INFLATION (kPa)
								NEW		MAX. IN SERVICE		SR	RC		
								OD	SW	OD	OW				
18"	10.5-18	MPT-01	10	130B	TL	9x18	10-18	905	270	927	292	419	2660	1900	375
	10.5-18	MPT-02	8 10	125D 129D	TL	9x18	10-18	905	270	927	292	419	2660	1650 1850	300 375
	12.5-18	MPT-01	10	132B	TL	11x18 (9x18)	12.5-18 12-18HS	990	325	1017	351	455	2910	2030	300
	12.5-18	MPT-02	10	131D	TL	11x18 (9x18)	12.5-18 12-18HS	990	325	1017	351	455	2910	1950	300
	12.5-18	MPT-03	10 12	128G 131G	TL	11x18 (9x18)	12.5-18 12-18HS	990	325	1017	351	455	2910	1800 1950	300 350
	12.5-18	MPT-04	10 12 16	131D 134D 144D	TT/TL	11x18 (9x18)	12.5-18 12-18 HS	990	325	1017	351	455	2910	1950 2120 2800	300 350 500
19.5"	18-19.5	MPT-02	16	156B	TL	14.00x19.5 (13.00x19.5)	-	1080	457	1121	494	490	3140	4000	450
	18-19.5	MPT-03	16	156D	TL	14.00x19.5 (13.00x19.5)	-	1080	457	1121	494	490	3140	4000	450
	18-19.5	MPT-06	16	160A8	TL	14.00x19.5 (13.00x19.5)	-	1100	470	1129	505	508	3280	4500	450
20"	10.5-20	MPT-04	10	131D	TT/TL	9x20 (9-20SDC)	10.5-20	955	270	977	292	440	2810	1950	375
	10.5-20	MPT-05	10	128G	TT/TL	9x20 (9-20SDC)	10.5-20	955	270	977	292	440	2810	1800	375
	10.5-20	MPT-07	8 10	123G 128G	TT	9x20 (9-20SDC)	10.5-20	955	270	977	292	440	2810	1550 1800	300 375
	12.5-20	MPT-01	10 12	133B 136B	TL	11x20 (11;12-20SDC)	-	1040	325	1067	351	480	3060	2090 2260	300 350
	12.5-20	MPT-03	12	132G	TL	11x20 (11;12-20SDC)	-	1040	325	1067	351	480	3060	2000	350
	12.5-20	MPT-04	10 12	132D 135D	TT/TL	11x20 (11;12-20SDC)	12.5-20 (11-20)	1060	335	1087	361	480	3060	2000 2180	300 350
	12.5-20	MPT-05	12 16	132G 139G	TT/TL TL	11x20 (11;12-20SDC)	12.5-20 (11-20)	1060	335	1087	361	480	3060	2000 2430	350 450
	14.5-20	MPT-03	12	136G	TL	11x20 (11;12-20SDC)	14.5-20 (12.5-20)	1095	355	1124	383	503	3220	2240	300
	14.5-20	MPT-04	12 14	139D 142D	TT/TL	11x20 (11;12-20SDC)	14.5-20 (12.5-20)	1095	355	1124	383	503	3220	2430 2650	300 350
	14.5-20	MPT-05	12	136G	TT/TL	11x20 (11;12-20SDC)	14.5-20 (12.5-20)	1095	355	1124	383	503	3220	2240	300
	16/70-20 (405/70-20)	MPT-02 MPT-04	14	148D	TL	13x20 (13-20SDC)	-	1076	407	1116	440	495	3165	3150	350
	16/70-20 (405/70-20)	MPT-05	14	145G	TT/TL	13x20 (13-20SDC)	16-20	1076	407	1116	440	495	3165	2900	350
	405/70-20 (16/70-20)	MPT-01	14	149B	TL	13x20 (13-20SDC)	-	1076	407	1116	440	495	3165	3250	350
	405/70-20 (16/70-20)	MPT-03	14	145G	TL	13x20 (13-20SDC)	-	1076	407	1116	440	495	3165	2900	350
22.5"	18-22.5	MPT-06	16	163A8	TL	14.00x22.5	-	1166	460	1197	494	542	3480	4850	450
	405/70-24 (16/70-24)	MPT-01	14	152B	TL	13x24 (13-24SDC)	16/70-24	1178	407	1218	440	545	3465	3550	400
		MPT-04	14	151D	TL	13x24 (13-24SDC)	16/70-24	1178	407	1218	440	545	3465	3450	400

VARIATION IN LOAD CAPACITY WITH INFLATION

SPEED CATEGORY A8, B

TYRE SIZE		PR	LOAD CAPACITY PER TYRE (kg)						INFLATION (kPa)
			SPEED (km/h)						
			0	10	20	30	40	50	
18"	10.5-18 MPT-01	10 PR	3 271	2 368	1 835	1 687	1 628	1 480	225
			3 403	2 464	1 910	1 756	1 694	1 540	250
			3 558	2 576	1 996	1 835	1 771	1 610	275
			3 757	2 720	2 108	1 938	1 870	1 700	300
			3 934	2 848	2 207	2 029	1 958	1 780	325
			4 077	2 952	2 288	2 103	2 030	1 845	350
			4 199	3 040	2 356	2 166	2 090	1 900	375
	12.5-18 MPT-01	10 PR	3 337	2 416	1 872	1 721	1 661	1 510	175
			3 602	2 608	2 021	1 858	1 793	1 630	200
			3 845	2 784	2 158	1 984	1 914	1 740	225
			4 111	2 976	2 306	2 120	2 046	1 860	250
			4 287	3 104	2 406	2 212	2 134	1 940	275
			4 486	3 248	2 517	2 314	2 233	2 030	300
	19.5"	18-19.5 MPT-02	16 PR	6 133	4 440	3 441	3 164	3 053	2 775
6 575				4 760	3 689	3 392	3 273	2 975	300
6 962				5 040	3 906	3 591	3 465	3 150	325
7 348				5 320	4 123	3 791	3 658	3 325	350
7 735				5 600	4 340	3 990	3 850	3 500	375
8 122				5 880	4 557	4 190	4 043	3 675	400
8 509				6 160	4 774	4 389	4 235	3 850	425
8 840				6 400	4 960	4 560	4 400	4 000	450
18-19.5 MPT-06		16 PR	3 720	3 120	2 784	2 640	2 400	-	175
			4 108	3 445	3 074	2 915	2 650	-	200
			4 418	3 705	3 306	3 135	2 850	-	225
			4 728	3 965	3 538	3 355	3 050	-	250
			5 038	4 225	3 770	3 575	3 250	-	275
			5 348	4 485	4 002	3 795	3 450	-	300
	5 627		4 719	4 211	3 993	3 630	-	325	
	5 890		4 940	4 408	4 180	3 800	-	350	
	6 161		5 168	4 611	4 373	3 975	-	375	
	6 433		5 395	4 814	4 565	4 150	-	400	
6 704	5 623	5 017	4 758	4 325	-	425			
6 975	5 850	5 220	4 950	4 500	-	450			
20"	12.5-20 MPT-01	10 PR	4 442	3 216	2 492	2 291	2 211	2 010	275
			4 619	3 344	2 592	2 383	2 299	2 090	300
		12 PR	4 818	3 488	2 703	2 485	2 398	2 180	325
			4 995	3 616	2 802	2 576	2 486	2 260	350
	405/70-20 (16/70-20) MPT-01	14 PR	5 304	3 840	2 976	2 736	2 640	2 400	225
			5 691	4 120	3 193	2 936	2 833	2 575	250
			6 431	4 656	3 608	3 317	3 201	2 910	300
			4 597	3 328	2 579	2 371	2 288	2 080	325
			7 183	5 200	4 030	3 705	3 575	3 250	350
22.5"	18-22.5 MPT-06	16 PR	4 108	3 445	3 074	2 915	2 650	-	175
			4 495	3 770	3 364	3 190	2 900	-	200
			4 844	4 063	3 625	3 438	3 125	-	225
			5 193	4 355	3 886	3 685	3 350	-	250
			5 503	4 615	4 118	3 905	3 550	-	275
			5 813	4 875	4 350	4 125	3 750	-	300
			6 123	5 135	4 582	4 345	3 950	-	325
			6 433	5 395	4 814	4 565	4 150	-	350
			6 704	5 623	5 017	4 758	4 325	-	375
			6 975	5 850	5 220	4 950	4 500	-	400
			7 246	6 078	5 423	5 143	4 675	-	425
			7 518	6 305	5 626	5 335	4 850	-	450
			24"	405/70-24 (16/70-24) MPT-01	14 PR	7 404	5 360	4 154	3 819
7 846	5 680	4 402				4 047	3 905	3 550	400

VARIATION IN LOAD CAPACITY WITH INFLATION

SPEED CATEGORY D

TYRE SIZE	PR	LOAD CAPACITY PER TYRE (kg)									INFLATION (kPa)		
		SPEED (km/h)											
		0	10	20	30	40	50	60	65				
18"	10.5-18 MPT-02	8 PR	3 525	2 327	1 833	1 622	1 495	1 466	1 424	1 410	225		
			3 700	2 442	1 924	1 702	1 569	1 539	1 495	1 480	250		
			3 900	2 574	2 028	1 794	1 654	1 622	1 576	1 560	275		
			4 125	2 723	2 145	1 898	1 749	1 716	1 667	1 650	300		
		10 PR	4 250	2 805	2 210	1 955	1 802	1 768	1 717	1 700	325		
			4 450	2 937	2 314	2 047	1 887	1 851	1 798	1 780	350		
	12.5-18 MPT-02 MPT-04	10 PR	4 625	3 053	2 405	2 128	1 961	1 924	1 869	1 850	375		
			3 381	2 426	1 911	1 691	1 558	1 529	1 485	1 470	175		
			3 611	2 591	2 041	1 806	1 664	1 633	1 586	1 570	200		
			3 864	2 772	2 184	1 932	1 781	1 747	1 697	1 680	225		
			4 117	2 954	2 327	2 059	1 897	1 862	1 808	1 790	250		
			4 324	3 102	2 444	2 162	1 993	1 955	1 899	1 880	275		
		12 PR	4 485	3 218	2 535	2 243	2 067	2 028	1 970	1 950	300		
			4 692	3 366	2 652	2 346	2 162	2 122	2 060	2 040	325		
		16 PR	4 876	3 498	2 756	2 438	2 247	2 205	2 141	2 120	350		
			6 072	4 356	3 432	3 036	2 798	2 746	2 666	2 640	450		
			6 325	4 538	3 575	3 163	2 915	2 860	2 778	2 750	475		
			6 440	4 620	3 640	3 220	2 968	2 912	2 828	2 800	500		
			19.5"	18-19.5 MPT-03	6 383	4 579	3 608	3 191	2 942	2 886	2 803	2 775	275
					6 843	4 909	3 868	3 421	3 154	3 094	3 005	2 975	300
7 245	5 198	4 095			3 623	3 339	3 276	3 182	3 150	325			
7 648	5 486	4 323			3 824	3 525	3 458	3 358	3 325	350			
8 050	5 775	4 550			4 025	3 710	3 640	3 535	3 500	375			
8 453	6 064	4 778			4 226	3 896	3 822	3 712	3 675	400			
8 855	6 353	5 005			4 428	4 081	4 004	3 889	3 850	425			
9 200	6 600	5 200		4 600	4 240	4 160	4 040	4 000	450				
20"	10.5-20 MPT-04	10 PR		3 312	2 376	1 872	1 656	1 526	1 498	1 454	1 440	225	
				3 496	2 508	1 976	1 748	1 611	1 581	1 535	1 520	250	
			3 680	2 640	2 080	1 840	1 696	1 664	1 616	1 600	275		
			3 864	2 772	2 184	1 932	1 781	1 747	1 697	1 680	300		
			4 071	2 921	2 301	2 036	1 876	1 841	1 788	1 770	325		
			4 278	3 069	2 418	2 139	1 972	1 934	1 879	1 860	350		
	12.5-20 MPT-04	10 PR	4 485	3 218	2 535	2 243	2 067	2 028	1 970	1 950	375		
			4 439	3 185	2 509	2 220	2 046	2 007	1 949	1 930	275		
	12 PR	4 600	3 300	2 600	2 300	2 120	2 080	2 020	2 000	300			
		4 807	3 449	2 717	2 404	2 215	2 174	2 111	2 090	325			
	14.5-20 MPT-04	12 PR	5 014	3 597	2 834	2 507	2 311	2 267	2 202	2 180	350		
			4 669	3 350	2 639	2 335	2 152	2 111	2 050	2 030	225		
			4 991	3 581	2 821	2 496	2 300	2 257	2 192	2 170	250		
		14 PR	5 290	3 795	2 990	2 645	2 438	2 392	2 323	2 300	275		
			5 589	4 010	3 159	2 795	2 576	2 527	2 454	2 430	300		
			5 842	4 191	3 302	2 921	2 692	2 642	2 565	2 540	325		
	16/70-20 (405/70-20) MPT-02 MPT-04	14 PR	6 095	4 373	3 445	3 048	2 809	2 756	2 677	2 650	350		
			5 359	3 845	3 029	2 680	2 470	2 423	2 353	2 330	225		
5 739			4 117	3 244	2 869	2 645	2 595	2 520	2 495	250			
6 486			4 653	3 666	3 243	2 989	2 933	2 848	2 820	300			
6 866			4 925	3 881	3 433	3 164	3 104	3 015	2 985	325			
7 245			5 198	4 095	3 623	3 339	3 276	3 182	3 150	350			
24"	405/70-24 (405/70-24) MPT-04	14 PR	6 650	4 790	3 990	3 325	3 060	2 980	2 925	2 660	200		
			6 875	4 950	4 125	3 435	3 160	3 080	3 025	2 750	250		
			7 075	5 094	4 245	3 535	3 254	3 170	3 110	2 830	300		
			7 605	5 490	4 575	3 810	3 505	3 415	3 355	3 050	350		
			7 935	5 693	4 485	3 968	3 657	3 588	3 485	3 450	400		

VARIATION IN LOAD CAPACITY WITH INFLATION

SPEED CATEGORY G

TYRE SIZE		PR	LOAD CAPACITY PER TYRE (kg)											INFLATION (kPa)
			SPEED (km/h)											
			0	10	20	30	40	50	60	65	70	80	90	
18"	12.5-18 MPT-03	10 PR	3 387	2 439	2 032	1 694	1 558	1 517	1 490	1 470	1 450	1 409	1 355	175
			3 618	2 605	2 171	1 809	1 664	1 621	1 592	1 570	1 548	1 505	1 447	200
			3 871	2 787	2 323	1 935	1 781	1 734	1 703	1 680	1 657	1 610	1 548	225
			4 124	2 970	2 475	2 062	1 897	1 848	1 815	1 790	1 765	1 716	1 650	250
			4 332	3 119	2 599	2 166	1 993	1 941	1 906	1 880	1 854	1 802	1 733	275
			4 500	3 240	2 700	2 250	2 070	2 016	1 980	1 950	1 926	1 872	1 800	300
			4 700	3 384	2 820	2 350	2 162	2 106	2 068	2 040	2 012	1 955	1 880	325
			4 875	3 510	2 925	2 438	2 243	2 184	2 145	2 120	2 087	2 028	1 950	350
20"	10.5-20 MPT-05 MPT-07	8 PR	3 325	2 394	1 995	1 663	1 530	1 490	1 463	2 850	1 423	1 383	1 330	225
			3 500	2 520	2 100	1 750	1 610	1 568	1 540	2 850	1 498	1 456	1 400	250
			3 688	2 655	2 213	1 844	1 696	1 652	1 623	2 850	1 578	1 534	1 475	275
			3 875	2 790	2 325	1 938	1 783	1 736	1 705	2 850	1 659	1 612	1 550	300
		10 PR	4 088	2 943	2 453	2 044	1 880	1 831	1 799	2 850	1 749	1 700	1 635	325
			4 288	3 087	2 573	2 144	1 972	1 921	1 887	2 850	1 835	1 784	1 715	350
			4 500	3 240	2 700	2 250	2 070	2 016	1 980	2 850	1 926	1 872	1 800	375
			4 750	3 420	2 850	2 375	2 185	2 128	2 090	2 062	2 033	1 976	1 900	400
	12.5-20 MPT-03 MPT-05	12 PR	4 513	3 249	2 708	2 256	2 076	2 022	1 986	1 958	1 931	1 877	1 805	300
			4 750	3 420	2 850	2 375	2 185	2 128	2 090	2 062	2 033	1 976	1 900	325
		16 PR	5 000	3 600	3 000	2 500	2 300	2 240	2 200	2 170	2 140	2 080	2 000	350
			5 360	3 860	3 215	2 680	2 480	2 415	2 395	2 365	2 335	2 290	2 210	400
	14.5-20 MPT-03 MPT-05	12 PR	5 790	4 195	3 495	2 915	2 700	2 650	2 625	2 600	2 575	2 525	2 430	450
			4 088	2 943	2 453	2 044	1 880	1 831	1 799	1 774	1 749	1 700	1 635	175
			4 375	3 150	2 625	2 188	2 013	1 960	1 925	1 899	1 873	1 820	1 750	200
			4 700	3 384	2 820	2 350	2 162	2 106	2 068	2 040	2 012	1 955	1 880	225
5 000			3 600	3 000	2 500	2 300	2 240	2 200	2 170	2 140	2 080	2 000	250	
5 300			3 816	3 180	2 650	2 438	2 374	2 332	2 300	2 268	2 205	2 120	275	
5 600			4 032	3 360	2 800	2 576	2 509	2 464	2 430	2 397	2 330	2 240	300	
6 550			4 716	3 930	3 275	3 013	2 934	2 882	2 843	2 803	2 725	2 620	300	
405/70-20 (16/70-20) MPT-03	14 PR	6 888	4 959	4 133	3 444	3 168	3 086	3 031	2 989	2 948	2 865	2 755	325	
		7 250	5 220	4 350	3 625	3 335	3 248	3 190	3 147	3 103	3 016	2 900	350	
		6 550	4 716	3 930	3 275	3 013	2 934	2 882	2 843	2 803	2 725	2 620	300	
16/70-20 (405/70-20) MPT-05	14 PR	6 888	4 959	4 133	3 444	3 168	3 086	3 031	2 989	2 948	2 865	2 755	325	
		7 250	5 220	4 350	3 625	3 335	3 248	3 190	3 147	3 103	3 016	2 900	350	

VARIATION IN LOAD CAPACITY WITH SPEED DEPENDENCE

Multipurpose Tyres (diagonal)

SPEED (km/h)		0	10	20	30	40	50	60	65	70	80	90
TYRE SPEED CATEGORY	A8	+55%	+30%	+16%	+10%	(0)	-	-	-	-	-	-
	B	+121%	+60%	+24%	+14%	+10%	(0)	-	-	-	-	-
	D	+130%	+65%	+30%	+15%	+6%	+4%	+1%	(0)	-	-	-
	G	+150%	+80%	+50%	+25%	+15%	+12%	+10%	+8,5%	+7%	+4%	(0)

TYRE SIZE	TREAD PATTERN						
	MPT-01	MPT-02	MPT-03	MPT-04	MPT-05	MPT-06	MPT-07
10.5-18	o	o					
12.5-18	o	o	o	o			
18-19.5		o	o			o	
10.5-20				o	o		o
12.5-20	o		o	o	o		
14.5-20			o	o	o		
16/70-20		o		o	o		
405/70-20	o		o				
18-22.5						o	
405/70-24	o			o			



EARTHMOVER RADIAL TYRES

EM-01

Non-directional tread pattern for all-round application, suitable above all for front loaders, telescopic loaders, backhoe loaders, dumpers and similar vehicles for light earthmoving service.



EM-02

Tread pattern with good traction properties and excellent working life. Suitable above all for backhoe loaders, wheeled loaders, telescopic handlers and similar vehicles for light service and also suitable for agricultural application.



TYRE SIZE	TREAD PATTERN	
	EM-01	EM-02
335/80R18 (12.5R18)		o
365/70R18	o	
405/70R18 (16/70R18)	o	
335/80R20 (12.5R20)	o	
365/80R20 (14.5R20)	o	
405/70R20 (16/70R20)	o	
405/70R24 (16/70R24)	o	
440/70R24 (17.5LR24)		o

	TYRE SIZE	TREAD PATTERN	LI / SS TRANSPORT/ LOADING	TYPE	RIM (PERMITTED)	TYRE DIMENSIONS (mm)						LOAD CAPACITY		INFLATION (kPa)
						NEW		MAX. IN SERVICE		SR	RC	TRANSPORT B (50km/h)	LOADING A2 (10km/h)	
						OD	SW	OD	SW					
18"	335/80R18 (12.5R18)	EM-02	139B 151A2	TL	11x18	993	339	1025	354	442	2990	2430	3450	380
	365/70R18	EM-01	135B 146A2	TL	11x18 (12x18)	969	360	1000	400	437	2915	2180	3000	375
	405/70R18 (16/70R18)	EM-01	141B 153A2	TL	13x18	1025	407	1070	452	462	3085	2575	3650	375
			156B 168A2	TL	13x18							4000	5600	650
20"	335/80R20 (12.5R20)	EM-01	136B 147A2	TL	11x20 (12x20)	1044	339	1076	366	470	3140	2240	3075	375
	365/80R20 (14.5R20)	EM-01	141B 153A2	TL	11x20 (12x20)	1092	360	1127	400	489	3285	2575	3650	375
	405/70R20 (16/70R20)	EM-01	143B 155A2	TL	13x20 (11;12x20)	1076	407	1121	452	487	3240	2725	3875	375
24"	405/70R24 (16/70R24)	EM-01	146B 158A2	TL	13x24	1178	407	1223	452	534	3545	3000	4250	375
	440/70R24 (17.5LR24)	EM-02	147B 164A2	TL	W15Lx24	1250	465	1299	490	563	3750	3075	5000	320

VARIATION IN LOAD CAPACITY WITH INFLATION

TYRE SIZE		LI / SS	LOAD CAPACITY PER TYRE (kg)						INFLATION (kPa)
			SPEED (km/h)						
			0	10	20	30	40	50	
18"	335/80R18 EM-02	139B/151A2	2 526	1 579	1 371	1 254	1 137	1 098	140
			3 347	2 092	1 817	1 661	1 505	1 451	200
			3 888	2 430	2 102	1 926	1 744	1 684	240
			4 659	2 912	2 544	2 319	2 110	2 025	300
			5 520	3 450	3 036	2 760	2 540	2 430	380
	365/70R18 EM-01	135B/146A2	2 395	1 515	1 221	1 177	1 140	1 110	150
			2 990	1 885	1 518	1 463	1 415	1 380	200
			3 440	2 135	1 689	1 627	1 570	1 535	250
			3 970	2 470	1 958	1 887	1 820	1 780	300
			4 505	2 795	2 222	2 141	2 070	2 020	350
	405/70R18 EM-01	141B/153A2	4 800	3 000	2 398	2 311	2 250	2 180	375
			2 745	1 705	1 315	1 267	1 240	1 195	150
			3 470	2 165	1 689	1 627	1 580	1 535	200
			4 170	2 590	2 019	1 945	1 890	1 835	250
			4 850	3 015	2 343	2 258	2 195	2 130	300
		156B/168A2	5 520	3 430	2 651	2 555	2 490	2 410	350
			5 850	3 650	2 833	2 730	2 650	2 575	375
			5 935	3 710	2 893	2 788	2 715	2 630	400
			6 630	4 150	3 262	3 143	3 055	2 965	450
			7 265	4 550	3 575	3 445	3 355	3 250	500
			7 840	4 910	3 861	3 721	3 620	3 510	550
			8 355	5 225	4 081	3 933	3 830	3 710	600
			8 950	5 600	4 400	4 240	4 125	4 000	650
20"	335/80R20 EM-01	136B/147A2	2 370	1 485	1 188	1 145	1 110	1 080	150
			2 970	1 815	1 480	1 426	1 390	1 345	200
			3 540	2 210	1 766	1 701	1 650	1 605	250
			4 100	2 490	2 030	1 956	1 910	1 845	300
			4 650	2 880	2 321	2 237	2 170	2 110	350
	365/80R20 EM-01	141B/153A2	4 925	3 075	2 464	2 374	2 300	2 240	375
			2 750	1 710	1 309	1 261	1 225	1 190	150
			3 470	2 185	1 683	1 622	1 575	1 530	200
			4 150	2 610	2 002	1 929	1 865	1 820	250
			4 840	3 030	2 338	2 253	2 195	2 125	300
	405/70R20 EM-01	143B/155A2	5 505	3 440	2 662	2 565	2 480	2 420	350
			5 850	3 650	2 833	2 730	2 650	2 575	375
			2 905	1 800	1 370	1 320	1 280	1 245	150
			3 705	2 325	1 771	1 707	1 650	1 610	200
			4 455	2 790	2 129	2 051	1 995	1 935	250
24"	405/70R24 EM-01	146B/158A2	5 165	3 230	2 470	2 380	2 295	2 245	300
			5 880	3 670	2 822	2 719	2 635	2 565	350
			6 200	3 875	2 998	2 889	2 800	2 725	375
			3 155	1 945	1 513	1 458	1 410	1 375	150
			3 985	2 470	1 909	1 839	1 790	1 735	200
	440/70R24 EM-02	147B/164A2	4 835	2 995	2 310	2 226	2 165	2 100	250
			5 630	3 500	2 717	2 618	2 535	2 470	300
			6 440	3 985	3 102	2 989	2 930	2 820	350
			6 800	4 250	3 300	3 180	3 100	3 000	375
			4 240	2 650	2 488	2 398	2 330	2 262	140

EARTHMOVER TYRES

EM-20 (NB 38) (L-2)

EM-30 (NB 57) (L-3)

EM-50 (L-2)

EM-60 (L-3)

Tread pattern with excellent traction and self-cleaning properties. Tubelless tyre for building machines.

The pattern with excellent durability and puncture resistance. Suitable for loaders and dumpers in hard operating conditions.

Low profile pattern with excellent traction properties in hard terrain. Prevent to lateral slide at work on the slope.

Tread pattern designed mainly for heavy construction site machines and other machinery operating in combined conditions. Very good self-cleaning properties.



EM-70 (E-2/L-2)

Tread pattern with good traction and minimal wheel slip, excellent cushioning, dumping and self-cleaning properties.



TYRE SIZE	TREAD PATTERN				
	EM-20	EM-30	EM-50	EM-60	EM-70
20-24 (22/70-24)					o
15.5-25	o	o	o	o	
17.5-25	o	o		o	
20.5-25	o	o		o	
23.5-25	o	o		o	
26.5-25	o	o		o	
26.5-29		o			
18.00-25	o	o			

TYRE SIZE		TREAD PATTERN	PR	LI / SS	TYPE	RIM (PERMITTED)	TYRE DIMENSIONS (mm)						TRANSPORT 50 km/h		LOADING 10 km/h											
							NEW		MAX. IN SERVICE		SR	TREAD WIDTH	LOAD CAPACITY (kg)	INFLATION (kPa)	LOAD CAPACITY (kg)	INFLATION (kPa)										
							OD	SW	OD	SW																
24"	20-24 (22/70-24)	EM-70	12	158B	TL	16.00T-24 SDC	1390	545	1452	585	633	460	4250	250	6500	300										
25"	15.5-25	EM-20 EM-30	12	149B	TL	12.00/1.3-25 (13.00/1.4-25)	1277	394	1328	437	590	325	3250	250	5600	400										
	15.5-25	EM-50 EM-60	12	149B	TL	12.00/1.3-25 (13.00/1.4-25)	1277	394	1328	437	590	355	3250	250	5600	400										
	17.5-25	EM-20 EM-30	16	158B	TL	14.00/1.5-25 (14.00/1.3-/DC/-25)	1348	445	1405	494	620	370	4250	300	7300	475										
	17.5-25	EM-60	16	158B	TL	14.00/1.5-25 (14.00/1.3-/DC/-25)	1348	445	1405	494	620	392	4250	300	7300	475										
	17.5-25	EM-20 EM-60	22	171B	TL	14.00/1.5-25 (14.00/1.3-/DC/-25)	1348	445	1405	494	620	370	6150	475	10000	700										
	20.5-25	EM-20 EM-30	16	167B	TL	17.00/2.0-25 (17.00/1.7-25)	1492	520	1561	577	682	450	5450	275	8250	350										
	20.5-25	EM-60	16 20	167B 170B	TL	17.00/2.0-25 (17.00/1.7-25)	1492	520	1561	577	682	470	5450 6000	275 325	8250 9500	350 450										
	23.5-25	EM-20 EM-30	16 20 28	171B 177B 183B	TL	19.50/2.5-25	1617	597	1696	663	734	530	6150 7300 8750	225 300 400	9500 10900 13600	300 375 550										
			23.5-25	EM-60									16 20 28	171B 177B 183B	TL	19.50/2.5-25	1617	597	1696	663	734	540	6150 7300 8750	225 300 400	9500 10900 13600	300 375 550
													26.5-25	EM-20 EM-30									28 32	188B 192B	TL	22.00/3.0-25
	26.5-25	EM-60	28 32	188B 192B	TL	22.00/3.0-25	1750	673	1839	747	791	605			10000 11200	350 425	15500 17000	475 550								
			29"	26.5-29									EM-30	26 34	189B 195B	TL TL	22.00/3.0-29 (24.00/3.0-29)	1851	673	1940	747	834	600	10300 12150	325 425	16000 19000
	25"	18.00-25			EM-20	28	180B	TL	13.00/2.5-25 (15.00/2.5-25)	1615	498	1693		553	734	404	8000	500	13600	650						
		18.00-25	EM-30	28 32 40	180B 183B 187B	TL	13.00/2.5-25 (15.00/2.5-25)	1615	498	1693	553	734	404	8000 8750 9750	500 575 700	13600 15000 17000	650 750 950									

General Information for EM Tyres you can find on page 38.



VARIATION IN LOAD CAPACITY WITH INFLATION

LOADER

TYRE SIZE	PR	LOAD CAPACITY (kg)			INFLATION (kPa)	
		SPEED (km/h)				
		0	5	10		
24" 20-24 (22/70-24) EM-70	12 PR	6 880	4 859	4 300	150	
		7 520	5 311	4 700	175	
		8 160	5 763	5 100	200	
		8 720	6 159	5 450	225	
		9 280	6 554	5 800	250	
		9 840	6 950	6 150	275	
		10 400	7 345	6 500	300	
25" 15.5-25 EM-20 EM-30 EM-50 EM-60	12 PR	6 800	4 803	4 250	250	
		7 160	5 057	4 475	275	
		7 480	5 283	4 675	300	
		7 800	5 509	4 875	325	
		8 160	5 763	5 100	350	
		8 560	6 046	5 350	375	
		8 960	6 328	5 600	400	
	17.5-25 EM-20 EM-30 EM-60	16 PR	7 600	5 368	4 750	225
			8 080	5 707	5 050	250
			8 560	6 046	5 350	275
			8 960	6 328	5 600	300
			9 440	6 667	5 900	325
			9 840	6 950	6 150	350
			10 240	7 232	6 400	375
10 640		7 515	6 650	400		
22 PR		11 040	7 797	6 900	425	
		11 360	8 023	7 100	450	
	11 680	8 249	7 300	475		
20.5-25 EM-20 EM-30 EM-60	16 PR	14 520	10 255	9 075	650	
		15 280	10 792	9 550	675	
		16 000	11 300	10 000	700	
		8 720	6 159	5 450	175	
		9 440	6 667	5 900	200	
		10 080	7 119	6 300	225	
		10 720	7 571	6 700	250	
	20 PR	11 360	8 023	7 100	275	
		12 000	8 475	7 500	300	
		12 640	8 927	7 900	325	
		13 200	9 323	8 250	350	
		13 760	9 718	8 600	375	
		14 240	10 057	8 900	400	
		14 720	10 396	9 200	425	
15 200	10 735	9 500	450			

TYRE SIZE		PR	LOAD CAPACITY (kg)			INFLATION (kPa)
			SPEED (km/h)			
			0	5	10	
25"	23.5-25 EM-20 EM-30 EM-60	16 PR	12 800	9 040	8 000	225
			13 600	9 605	8 500	250
			14 400	10 170	9 000	275
			15 200	10 735	9 500	300
		20 PR	16 000	11 300	10 000	325
			16 800	11 865	10 500	350
			17 440	12 317	10 900	375
		28 PR	19 600	13 843	12 250	500
			20 640	14 577	12 900	525
	26.5-25 EM-20 EM-30 EM-60	28 PR	21 760	15 368	13 600	550
			20 320	14 351	12 700	325
			21 120	14 916	13 200	350
			21 760	15 368	13 600	375
		32 PR	22 400	15 820	14 000	400
			23 200	16 385	14 500	425
			24 000	16 950	15 000	450
			24 800	17 515	15 500	475
			25 600	18 080	16 000	500
29"	26.5-29 EM-30	32 PR	26 400	18 645	16 500	525
			27 200	19 210	17 000	550
			23 200	16 385	14 500	375
		26 PR	24 000	16 950	15 000	400
			24 800	17 515	15 500	425
			25 600	18 080	16 000	450
	34 PR	27 200	19 210	17 000	500	
		28 800	20 340	18 000	550	
		30 400	21 470	19 000	600	
		25"	18.00-25 EM-20 EM-30	28 PR	17 280	12 204
18 400	12 995				11 500	475
18 880	13 334				11 800	500
20 000	14 125				12 500	550
20 480	14 464				12 800	575
20 960	14 803				13 100	600
32 PR	21 760			15 368	13 600	650
	22 880			16 159	14 300	700
	24 000			16 950	15 000	750
40 PR	24 800			17 515	15 500	800
	25 600			18 080	16 000	850
	26 400			18 645	16 500	900
	27 200			19 210	17 000	950

VARIATION IN LOAD CAPACITY WITH SPEED DEPENDENCE

Earthmover Tyres - Loader

SPEED (km/h)	0	1	5	10	15	20	25
LOAD CAPACITY	+60%	+30%	+13%	(0)	-7%	-12%	-15%

Earthmover Tyres - Dumper

SPEED (km/h)	15	20	25	30	35	40	45	50	55	60	65
LOAD CAPACITY	+12%	+10%	+8%	+6%	+4%	+3%	+2%	(0)	-3%	-8%	-17%

Earthmover Tyres - 18.00-25 Dumper

SPEED (km/h)	15	20	25	30	35	40	45	50	55	60	65
LOAD CAPACITY	+12%	+10%	+8%	+6%	+4%	+3%	+2%	(0)	-2%	-7%	-15%

VARIATION IN LOAD CAPACITY WITH INFLATION

DUMPER

TYRE SIZE		PR	LOAD CAPACITY (kg)			INFLATION (kPa)	
			SPEED (km/h)				
			15	30	50		
24"	20-24 (22/70-24) EM-70	12 PR	3 153	2 984	2 815	150	
			3 573	3 381	3 190	175	
			3 976	3 763	3 550	200	
			4 374	4 139	3 905	225	
			4 760	4 505	4 250	250	
25"	15.5-25 EM-20 EM-30 EM-50 EM-60	12 PR	2 632	2 491	2 350	150	
			2 884	2 730	2 575	175	
			3 108	2 942	2 775	200	
			3 360	3 180	3 000	225	
			3 640	3 445	3 250	250	
	17.5-25 EM-20 EM-30 EM-60	16 PR	3 136	2 968	2 800	150	
			3 472	3 286	3 100	175	
			3 780	3 578	3 375	200	
			4 088	3 869	3 650	225	
			4 312	4 081	3 850	250	
		4 536	4 293	4 050	275		
		4 760	4 505	4 250	300		
		22 PR	5 768	5 459	5 150	425	
			6 048	5 724	5 400	450	
			6 888	6 519	6 150	475	
	20.5-25 EM-20 EM-30 EM-60		16 PR	4 256	4 028	3 800	150
				4 648	4 399	4 150	175
		5 040		4 770	4 500	200	
		5 404		5 115	4 825	225	
		5 768		5 459	5 150	250	
	20 PR	6 104	5 777	5 450	275		
		6 440	6 095	5 750	300		
		6 720	6 360	6 000	325		

TYRE SIZE		PR	LOAD CAPACITY (kg)			INFLATION (kPa)
			SPEED (km/h)			
			15	30	50	
25"	23.5-25 EM-20 EM-30 EM-60	16 PR	5 936	5 618	5 300	175
			6 440	6 095	5 750	200
			6 888	6 519	6 150	225
			7 336	6 943	6 550	250
		20 PR	7 784	7 367	6 950	275
			8 176	7 738	7 300	300
			8 602	8 141	7 680	325
			8 960	8 480	8 000	350
		28 PR	9 296	8 798	8 300	375
			9 800	9 275	8 750	400
	26.5-25 EM-20 EM-30 EM-60	28 PR	8 176	7 738	7 300	200
			8 736	8 268	7 800	225
			9 240	8 745	8 250	250
			9 800	9 275	8 750	275
			10 360	9 805	9 250	300
			10 808	10 229	9 650	325
		32 PR	11 200	10 600	10 000	350
			11 340	10 733	10 125	375
			11 928	11 289	10 650	400
			12 544	11 872	11 200	425
26.5-29 EM-30	26 PR	9 800	9 275	8 750	250	
		10 360	9 805	9 250	275	
		10 920	10 335	9 750	300	
		11 536	10 918	10 300	325	
	34 PR	12 040	11 395	10 750	350	
		12 544	11 872	11 200	375	
		13 048	12 349	11 650	400	
		13 608	12 879	12 150	425	

25"	18.00-25 EM-20 EM-30	28 PR	6 608	6 254	5 900	300
			7 280	6 890	6 500	350
			7 840	7 420	7 000	400
			8 176	7 738	7 300	425
			8 680	8 215	7 750	475
			8 960	8 480	8 000	500
		32 PR	9 520	9 010	8 500	550
			9 800	9 275	8 750	575
			10 248	9 699	9 150	650
			10 584	10 017	9 450	675
			10 920	10 335	9 750	700

DIMENSIONS "O" RINGS (mm)

TYRE SIZE	INSIDE DIAMETER	SECTION DIAMETER	CIRCUMFERENCE
15.5-25 17.5-25	581 ± 2	6.6 ± 0.5	1825 ± 6
18.00-25 20.5-25 23.5-25 26.5-25	568 ± 2	9.8 ± 0.5	1784 ± 6
26.5-29	655 ± 2	9.8 ± 0.5	2058 ± 6

EXCAVATOR TYRES

EM-22

New generation of tyre for excavators. Modified tread pattern NB 38, observant very good traction and self-cleaning properties. Wider area in comparison with NB 38 about 7%.Suitable above all for high power modern excavators.



EM-23

Higher endurance against puncture and tread wear due to higher filling of tread area. Tread pattern for stony and hard terrain designed especially for use on excavators.



EM-40

Universal tread pattern with very good traction and directional stability on the soft terrain.Very good self-cleaning properties. Suitable above all for building machines, excavators and other special machines working in terrain.



NB 38

Classical tread pattern profile for universal using with good traction and self-cleaning properties.



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							
	EM-22	EM-23	EM-40	NB 38	NB 38 Extra	NB 57	SP 1	TR-12
8.25-20	o			o	o			
9.00-20	o		o	o	o			
10.00-20	o	o	o	o	o		o	
11.00-20				o		o		
500/45-20								o
500/60-22.5								o
600/40-22.5								o

NB 38 Extra

Wider tread area in comparison with NB 38 about 23-25%. Better stability due to wider tread area.

NB 57

Higher endurance against puncture and tread wear due to higher filling of tread area. Tread pattern for stony and hard terrain.

SP 1

Tread pattern suitable above all for rail and road application.



TYRE SIZE		TREAD PATTERN	PR	LI / SS	TYPE	RIM (PERMITTED)	TUBE/ FLAP	TYRE DIMENSIONS (mm)						TREAD WIDTH	MIN. DUAL SPACING (mm)	LOAD CAPACITY (kg)	INFLATION (kPa)
								NEW		MAX. IN SERVICE		SR	RC				
								OD	SW	OD	SW						
20"	8.25-20	NB 38	14	122B	TT	6.5-20 (6.0;7.0-20)	8.25-20 20/1 eHD	970	234	993	253	462	2940	185	269	1500	675
	8.25-20	NB 38 Extra	14	122B	TT	6.5-20 (6.0;7.0-20)	8.25-20 20/1 eHD	970	234	993	253	462	2940	220	269	1500	675
	8.25-20	EM-22	14	122B	TT	6.5-20 (6.0;7.0-20)	8.25-20 20/1 eHD	970	234	993	253	462	2940	210	269	1500	675
	9.00-20	NB 38	14	140B	TT	7.0-20 (6.5;7.5-20)	9.00-20 20/1 eHD	1012	256	1037	276	481	3070	190	297	2500	700
	9.00-20	NB 38 Extra	14	140B	TT	7.0-20 (6.5;7.5-20)	9.00-20 20/1 eHD	1012	256	1037	276	481	3070	234	297	2500	700
	9.00-20	EM-22	14	140B	TT	7.0-20 (6.5;7.5-20)	9.00-20 20/1 eHD	1012	256	1037	276	481	3070	203	297	2500	700
	9.00-20	EM-40	14	140B	TT	7.0-20 (6.5;7.5-20)	9.00-20 20/1 eHD	1012	256	1037	276	481	3070	205	297	2500	700
	10.00-20	NB 38	16	146B	TT	7.5-20 (7.0;8.0-20)	10.00-20 20/2 eHD	1050	275	1077	297	498	3180	215	316	3000	750
	10.00-20	NB 38 Extra	14	145B	TT	7.5-20 (7.0;8.0-20)	10.00-20 20/2 eHD	1050	275	1077	297	498	3180	264	316	2945	650
	10.00-20	EM-22 EM-23 EM-40	16	146B	TT	7.5-20 (7.0;8.0-20)	10.00-20 20/2eHD	1050	275	1077	297	498	3180	230	316	3000	750
	10.00-20	SP1	-	149 75km/h	TT	7.5-20 (7.0;8.0-20)	10.00-20 20/2eHD	1050	256	1077	276	497	3200	-	316	3250	900
	11.00-20	NB 38	16	148B	TT	8.0-20 (7.5-20)	11.00-20 20/2 eHD	1080	291	1109	314	511	3275	-	335	3200	725
	11.00-20	NB 57	16	140E	TT	8.0-20 (7.5-20)	11.00-20 20/2 eHD	1080	291	1109	314	511	3275	-	335	2500	500
22.5"	500/45-20	TR-12	-	160A8	TL	16.0DCx20	-	980	490	1030	530	445	2910	-	-	4500	600
	500/60-22.5	TR-12	-	152A8	TL	16.00x22.5	-	1192	503	1234	543	519	3504	-	-	3550	360
	600/40-22.5	TR-12	-	169A8	TL	20.00x22.5	-	1050	600	1107	642	473	3146	-	-	5800	600

VARIATION IN LOAD CAPACITY WITH INFLATION

TYRE SIZE		PR	LOAD CAPACITY PER TYRE (kg)							INFLATION (kPa)
			SPEED (km/h)							
			0	10	20	30	40	50	70	
20"	8.25-20	14 PR	2 825	2 260	1 885	1 542	1 457	1 415	-	600
			2 910	2 330	1 940	1 586	1 499	1 455	-	650
			3 000	2 400	2 000	1 635	1 545	1 500	-	675
	9.00-20	14 PR	4 710	3 770	3 200	2 572	2 431	2 360	-	650
			4 850	3 880	3 300	2 649	2 503	2 430	-	675
			5 000	4 000	3 400	2 725	2 575	2 500	-	700
	10.00-20	14 PR	6 380	4 595	3 830	3 117	2 946	2 860	-	600
			6 575	4 735	3 945	3 210	3 033	2 945	-	650
		16 PR	6 790	4 850	3 880	3 172	2 997	2 910	-	725
			7 000	5 000	4 000	3 270	3 090	3 000	-	750
	10.00-20 SP1		3 250 kg at 75 km/h							900
	11.00-20	140E	4 900	4 100	2 550	2 562	2 421	2 350	2 180	400
			6 350	4 650	2 750	2 747	2 596	2 520	2 340	450
			6 550	4 790	2 950	2 943	2 781	2 700	2 500	500
		16 PR	6 750	4 900	4 042	3 278	3 098	3 008	-	650
			6 990	5 050	4 180	3 390	3 203	3 110	-	700
			7 200	5 200	4 300	3 488	3 296	3 200	-	725
	500/45-20	160A8	6 831	5 795	5 215	4 640	4 140	3 725	-	520
			7 128	6 050	5 440	4 840	4 320	3 890	-	560
			7 425	6 300	5 670	5 040	4 500	4 050	-	600
22.5"	500/60-22.5	152A8	5 264	4 466	4 019	3 573	3 190	2 871	-	280
			5 478	4 648	4 183	3 718	3 320	2 988	-	300
			5 693	4 830	4 347	3 864	3 450	3 105	-	320
			5 858	4 970	4 473	3 976	3 550	3 195	-	360
	600/40-22.5	169A8	3 201	2 715	2 445	2 175	1 940	1 745	-	120
			3 597	3 050	2 745	2 440	2 180	1 960	-	150
			3 993	3 390	3 050	2 710	2 420	2 180	-	180
			4 373	3 710	3 340	2 970	2 650	2 385	-	210
			4 496	3 815	3 435	3 050	2 725	2 455	-	220
			4 868	4 130	3 715	3 305	2 950	2 655	-	250
			5 198	4 410	3 970	3 530	3 150	2 835	-	280
			8 085	6 860	6 175	5 490	4 900	4 410	-	450
			8 399	7 125	6 415	5 700	5 090	4 580	-	480
			8 696	7 380	6 640	5 900	5 270	4 745	-	510
			8 993	7 630	6 865	6 105	5 450	4 905	-	540
			9 290	7 880	7 095	6 305	5 630	5 065	-	570
			9 570	8 120	7 310	6 495	5 800	5 220	-	600

VARIATION IN LOAD CAPACITY WITH SPEED DEPENDENCE

500/45-20 TR-12
500/60-22.5 TR-12
600/40-22.5 TR-12

SPEED (km/h)	0	10	15	20	25	30	35	40	45	50
LOAD CAPACITY	+65%	+40%	+33%	+26%	+19%	+12%	+5%	(0)	-5%	-10%

USING OF TREAD PATTERNS

	Crushed Rock	Gravel	Road	Sand	Loam	Mud
EM-23						
NB 57						
EM-22						
NB 38						
NB 38 Extra						
EM-40						
TR-12						



TRACTOR INDUSTRIAL TYRES

TI-20

(R-4)

TI-02

(R-4)

TI-03

(R-4)

TI-04

(R-4)

New generation of tread pattern which is suited to construction, road and agriculture work with priority to traction. Tread pattern is suitable above all for muddy conditions with very good resistance against damage.

Classical version of tread pattern for industrial using.

Economical version, suitable above all for backhoe loaders working in light terrain.

Industrial tread pattern for using on backhoe loaders with 4x4 axles.



TI-05

(R-4)

TI-06

(R-4)

TI-09

(R-4)

TD-03

(R-1)

Robust industrial tread pattern with excellent traction properties, suitable above all for backhoe loaders and other type og loaders.

Massive industrial pattern especially suitable for rear axles of backhoe loaders. Higher endurance against puncture and tread wear.

Tread pattern with very good traction and self-cleaning properties. Suitable especially for industrial applications.

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



TR-01

(R-4)

TR-09

(R-4)

TR-10

(R-4)

UK 5

(R-3)

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

Tread pattern with good traction, suitable for front wheels of backhoe loaders, wheel loaders etc.

Tread pattern suitable above all for bigger skid steer loaders and front axels of backhoe loaders alternatively telescopic platform.

Tread pattern suitable for industrial and road construction equipments.



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						
17.5"	14-17.5	TR-10	10	131	B	TL	10.50x17.5	-	910	355	932	383	430	2858	2725	1950	380
			14	139	B										3350	2430	550
18"	12.5/80-18	TR-09	10	135/123	A8	TL	11x18 (9x18)	-	987	308	1014	323	465	2900	2180	1550	310
			12	138/125	A8										2360	1650	370
20"	16.0/70-20	TR-09	10	143/131	A8	TL	13 SDC-20	-	1095	408	1125	450	504	3220	2725	1950	250
			14	150/138	A8										3350	2360	350

TYRE SIZE		TREAD PATTERN	PR	LI / SS FR/DW	TYPE	RIM (PERMITTED)	TUBE/ FLAP	TYRE DIMENSIONS (mm)						LOAD CAPACITY (kg)	INFLATION (kPa)
								NEW		MAX. IN SERVICE		SR	RC		
								OD	SW	OD	OW				
24"	14.9-24 IND	UK 5	6 8	123A8 128A8	TL	W13	-	1250	395	1285	425	580	3710	1550	140
	15.5/80-24	TR-01	-	163/151A8	TL	W12 (W13, W14L)	-	1269	394	1293	414	585	3730	3450	475
	16.9-24 IND	TI-04	12	149A8	TL	W15L (W14L)	16.9-24	1310	429	1355	463	610	3865	3250	260
	17.5L-24 IND	TR-01	-	166/155A8	TL	W15L	-	1241	445	1278	481	580	3660	3875	500
	17.5L-24 IND	TI-02	10	144A8	TL	W15L (W14L)	-	1241	445	1278	481	580	3660	2800	220
	19.5L-24 IND	TI-05	10 12 -	147A8 151A8 162A8	TL	W16L	-	1314	495	1356	535	610	3865	3075 3450 4750	190 230 375
26"	18.4-26 IND	TI-06	12	156A8	TL	W16L (W15L)	-	1425	467	1470	504	665	4190	4000	250
	23.1-26 IND	UK 5	10 12	158A8 162A8	TL	DW20Ax26	-	1580	587	1635	634	750	4660	4250 4750	170 190
28"	16.9-28 IND	TI-03	10 12	148A8 152A8	TT/TL	W15L (W14L)	16.9-28	1410	429	1455	463	660	4160	3150 3550	220 260
	16.9-28 IND	TI-06	10 12	148A8 152A8	TL	W15L (W14L)	-	1410	429	1455	463	660	4160	3150 3550	220 260
30"	16.9-30 IND	TI-09	10 14	149A8 154A8	TL	W15L (W14L)	-	1460	429	1500	463	685	430	3250 3750	220 290
	16.9-30 IND	TD-03	14	154A8	TL	W15L (W14L)	-	1485	429	1530	463	695	4380	3750	290
26"	480/80R26 IND*	TI-20	-	160A8	TL	W15L (W16L)	-	1428	500	1458	525	640	4250	4500	320
28"	440/80R28 IND*	TI-20	-	156A8	TL	W14L (W15L)	-	1415	441	1445	466	640	4235	4000	320

* in preparation

VARIATION IN LOAD CAPACITY WITH SPEED DEPENDENCE

Tractor Industrial - Front Tyres

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

Tractor Industrial - Rear Tyres, Tractor Industrial Radial Tyres

SPEED (km/h)	0	5	10	15	20	25	30	35	40	45	50
CONSTANT LOAD	+130%	+45%	+25%	+13%	+9%	+6%	+4%	+2%	(0)	-4%	-9%
CYCLIC APPLICATION	+130%	+67%*	+50%**	+34%	+23%	+11%	+7%	+3%	(0)	-4%	-9%

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.

* One way distance 150m.

** One way distance 600m.

VARIATION IN LOAD CAPACITY WITH INFLATION

REAR WHEELS

TYRE SIZE		PR	LOAD CAPACITY PER TYRE (kg)										INFLATION (kPa)
			CONSTANT LOAD (km/h)					CYCLIC APPLICATION (km/h)					
			10	20	30	40	50	10	20	30	40	50	
24"	14.9-24 IND UK 5	6 PR	1 935	1 775	1 477	1 420	1 292	2 130	1 747	1 519	1 420	1 292	120
			2 112	1 938	1 612	1 550	1 411	2 325	1 907	1 659	1 550	1 411	140
		8 PR	2 289	2 100	1 747	1 680	1 529	2 520	2 066	1 798	1 680	1 529	160
			2 453	2 250	1 872	1 800	1 638	2 700	2 214	1 926	1 800	1 638	180
	15.5/80-24 TR-01	151A8	4 360	4 000	3 328	3 200	2 912	4 800	3 936	3 424	3 200	2 912	425
			4 530	4 156	3 458	3 325	3 026	4 988	4 090	3 558	3 325	3 026	450
			4 701	4 313	3 588	3 450	3 140	5 175	4 244	3 692	3 450	3 140	475
	16.9-24 IND TI-04	12 PR	2 065	1 800	1 715	1 650	1 500	2 475	2 030	1 765	1 650	1 500	100
			2 355	2 055	1 960	1 885	1 715	2 830	2 320	2 015	1 885	1 715	120
			2 650	2 310	2 205	2 120	1 930	3 180	2 610	2 270	2 120	1 930	140
			2 930	2 555	2 440	2 345	2 135	3 520	2 885	2 510	2 345	2 135	160
			3 190	2 780	2 650	2 550	2 320	3 825	3 135	2 730	2 550	2 320	180
			3 455	3 015	2 875	2 765	2 515	4 150	3 400	2 960	2 765	2 515	200
			3 750	3 270	3 120	3 000	2 730	4 500	3 690	3 210	3 000	2 730	220
			3 905	3 405	3 250	3 125	2 845	4 690	3 845	3 345	3 125	2 845	240
			4 065	3 545	3 380	3 250	2 960	4 875	4 000	3 480	3 250	2 960	260
	17.5L-24 IND TR-01	155A8	4 524	4 150	3 453	3 320	3 021	4 980	4 084	3 552	3 320	3 021	425
			4 769	4 375	3 640	3 500	3 185	5 250	4 305	3 745	3 500	3 185	450
			5 014	4 600	3 827	3 680	3 349	5 520	4 526	3 938	3 680	3 349	475
			5 280	4 844	4 030	3 875	3 526	5 813	4 766	4 146	3 875	3 526	500
	17.5L-24 IND TI-02	10 PR	2 140	1 865	1 780	1 710	1 555	2 565	2 105	1 830	1 710	1 555	120
			2 500	2 180	2 080	2 000	1 820	3 000	2 460	2 140	2 000	1 820	140
			2 865	2 495	2 380	2 290	2 085	3 435	2 815	2 450	2 290	2 085	160
			3 040	2 650	2 525	2 430	2 210	3 645	2 990	2 600	2 430	2 210	170
			3 130	2 730	2 605	2 505	2 280	3 760	3 080	2 680	2 505	2 280	180
			3 320	2 895	2 760	2 655	2 415	3 985	3 265	2 840	2 655	2 415	200
			3 500	3 050	2 910	2 800	2 550	4 200	3 445	2 995	2 800	2 550	220
	19.5L-24 IND TI-05	10 PR	2 450	2 140	2 040	1 960	1 785	2 940	2 410	2 095	1 960	1 785	110
			2 770	2 415	2 305	2 215	2 015	3 325	2 725	2 370	2 215	2 015	130
			3 090	2 690	2 570	2 470	2 250	3 705	3 040	2 645	2 470	2 250	150
			3 405	2 970	2 835	2 725	2 480	4 090	3 350	2 915	2 725	2 480	170
		12 PR	3 845	3 350	3 200	3 075	2 800	4 615	3 780	3 290	3 075	2 800	190
			4 080	3 560	3 395	3 265	2 970	4 900	4 015	3 495	3 265	2 970	210
		162A8	4 315	3 760	3 590	3 450	3 140	5 175	4 245	3 690	3 450	3 140	230
			5 638	6 145	4 690	4 510	4 104	6 765	5 547	4 826	4 510	4 104	350
			5 938	6 472	4 940	4 750	4 323	7 125	5 843	5 083	4 750	4 323	375
	26"	18.4-26 IND TI-06	12 PR	2 825	2 465	2 350	2 260	2 055	3 390	2 780	2 420	2 260	2 055
3 150				2 745	2 620	2 520	2 295	3 780	3 100	2 695	2 520	2 295	130
3 455				3 015	2 875	2 765	2 515	4 150	3 400	2 960	2 765	2 515	150
3 750				3 270	3 120	3 000	2 730	4 500	3 690	3 210	3 000	2 730	170
4 030				3 515	3 355	3 225	2 935	4 840	3 965	3 450	3 225	2 935	190
4 315				3 760	3 590	3 450	3 140	5 175	4 245	3 690	3 450	3 140	210
4 655				4 060	3 875	3 725	3 390	5 590	4 580	3 985	3 725	3 390	230
5 000				4 360	4 160	4 000	3 640	6 000	4 920	4 280	4 000	3 640	250
5 345				4 695	4 480	4 315	3 940	6 405	5 210	4 550	4 315	3 940	270
5 690				5 035	4 810	4 635	4 255	6 805	5 500	4 820	4 635	4 255	290
23.1-26 IND UK 5		10 PR	4 275	3 730	3 555	3 420	3 110	5 130	4 205	3 660	3 420	3 110	120
			4 690	4 090	3 900	3 750	3 415	5 625	4 615	4 015	3 750	3 415	140
			5 115	4 460	4 255	4 090	3 720	6 135	5 030	4 375	4 090	3 720	160
			5 515	4 835	4 620	4 455	4 080	6 540	5 330	4 665	4 455	4 080	180
28"	16.9-28 IND TI-03 TI-06	10 PR	2 370	2 065	1 970	1 895	1 725	2 845	2 330	2 030	1 895	1 725	110
			2 700	2 355	2 245	2 160	1 965	3 240	2 655	2 310	2 160	1 965	130
			3 040	2 650	2 525	2 430	2 210	3 645	2 990	2 600	2 430	2 210	150
			3 330	2 905	2 770	2 665	2 425	4 000	3 280	2 850	2 665	2 425	170
			3 625	3 160	3 015	2 900	2 640	4 350	3 565	3 105	2 900	2 640	190
		12 PR	3 830	3 340	3 190	3 065	2 790	4 600	3 770	3 280	3 065	2 790	210
			3 940	3 435	3 275	3 150	2 865	4 725	3 875	3 370	3 150	2 865	220
			4 190	3 650	3 485	3 350	3 050	5 025	4 120	3 585	3 350	3 050	240
			4 440	3 870	3 690	3 550	3 230	5 325	4 365	3 800	3 550	3 230	260
			4 690	4 090	3 900	3 750	3 415	5 625	4 615	4 015	3 750	3 415	280

VARIATION IN LOAD CAPACITY WITH INFLATION

REAR WHEELS

TYRE SIZE	PR	LOAD CAPACITY PER TYRE (kg)										INFLATION (kPa)	
		CONSTANT LOAD (km/h)					CYCLIC APPLICATION (km/h)						
		10	20	30	40	50	10	20	30	40	50		
30"	16.9-30 IND TI-09 TD-03	10 PR	2 575	2 245	2 140	2 060	1 870	3 090	2 530	2 200	2 060	1 870	110
			2 850	2 485	2 370	2 280	2 070	3 420	2 800	2 435	2 280	2 070	130
			3 125	2 725	2 600	2 500	2 275	3 750	3 075	2 675	2 500	2 275	150
			3 435	2 995	2 860	2 750	2 500	4 125	3 380	2 940	2750	2 500	170
			3 855	3 360	3 205	3 085	2 805	4 625	3 790	3 300	3 085	2 805	200
			4 060	3 540	3 380	3 250	2 955	4 875	3 995	3 475	3 250	2 955	220
		14 PR	4 340	3 785	3 610	3 475	3 160	5 210	4 270	3 715	3 475	3 160	250
			4 515	3 940	3 755	3 615	3 285	5 420	4 445	3 865	3 615	3 285	270
			4 685	4 085	3 900	3 750	3 410	5 625	4 610	4 010	3 750	3 410	290

VARIATION IN LOAD CAPACITY WITH INFLATION

FRONT WHEELS

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	
17.5"	14-17.5 TR-10	10 PR	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
18"	12.5/80-18 TR-09	10 PR	3 780	3 400	3 025	2 700	2 430	5 210	4 685	4 166	3 720	3 350	550
			1 890	1 700	1 510	1 350	1 215	2 675	2 405	2 140	1 910	1 720	250
			2 015	1 815	1 615	1 440	1 295	2 865	2 575	2 290	2 045	1 840	280
		12 PR	2 170	1 955	1 735	1 550	1 395	3 050	2 745	2 440	2 180	1 960	310
			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
20"	16.0/70-20 TR-09	10 PR	2 460	2 210	1 965	1 755	1580	3 430	3 090	2 745	2 450	2205	200
			2 590	2 330	2 070	1 850	1665	3 625	3 265	2 900	2 590	2330	225
			2 730	2 455	2 185	1 950	1755	3 815	3 435	3 050	2 725	2450	250
		14 PR	2 870	2 580	2 295	2 050	1845	3 905	3 515	3 125	2 790	2510	275
			3 005	2 700	2 400	2 145	1930	4 100	3 690	3 280	2 930	2640	300
			3 135	2 822	2 510	2 240	2015	4 390	3 950	3 510	3 135	2820	325
			3 305	2 975	2 645	2 360	2125	4 690	4 220	3 750	3 350	3015	350

VARIATION IN LOAD CAPACITY WITH INFLATION

RADIAL TYRES

TYRE SIZE		PR	LOAD CAPACITY PER TYRE (kg)						INFLATION (kPa)
			SPEED (km/h)						
			0	10	20	30	40	50	
26"	480/80R26 IND TI-20	160A8	7 073	3 844	3 352	3 198	3 075	2 798	200
			7 705	4 188	3 652	3 484	3 350	3 049	220
			8 165	4 438	3 870	3 692	3 550	3 231	240
			8 625	4 688	4 088	3 900	3 750	3 413	260
			9 200	5 000	4 360	4 160	4 000	3 640	280
			9 775	5 313	4 633	4 420	4 250	3 868	300
			10 350	5 625	4 905	4 680	4 500	4 095	320
28"	440/80R28 IND TI-20	156A8	6 440	3 500	3 052	2 912	2 800	2 548	200
			6 900	3 750	3 270	3 120	3 000	2 730	220
			7 245	3 938	3 434	3 276	3 150	2 867	240
			7 935	4 313	3 761	3 588	3 450	3 140	260
			8 395	4 563	3 979	3 796	3 650	3 322	280
			8 913	4 844	4 224	4 030	3 875	3 526	300
			9 200	5 000	4 360	4 160	4 000	3 640	320

TRACTOR GRADER & ROLLER TYRES

COMPACTOR (C-1)

TD-01

(R-1)

TG-02

(R-4)

UK 5

(R-3)

Special tyre for rollers.
The same pattern for Compactor, Compactor Extra and Compactor Smooth.

Traction pattern with good durability suitable for industrial and agricultural application as well.

Tread pattern with good traction and self-cleaning properties.

Tread pattern suitable for industrial and road construction equipments.



TYRE SIZE		TREAD PATTERN	PR	LI/SS	TYPE	RIM (PERMITTED)	TUBE/ FLAP	TYRE DIMENSIONS (mm)						MIN. DUAL SPACING (mm)	LOAD CAPACITY (kg)	INFLATION (kPa)
								NEW		MAX. IN SERVICE		SR	RC			
								OD	SW	OD	OW					
20"	11.00-20	COMPACTOR	16	164A3	TT	8.0-20 (7.5-20)	11.00-20 20/2 eHD	1040	290	1062	314	493	3150	335	5000	900
	11.00-20	COMPACTOR EXTRA	18	170A2	TT	8.0-20 (8.5-20)	11.00-20 20/2 eHD	1064	294	1086	314	504	3225	340	6000	830
	11.00-20	COMPACTOR SMOOTH	18	156A5	TT	8.0-20 (8.5-20)	11.00-20 20/2 eHD	1070	291	1092	314	507	3240	335	4000	1000
	11.00R20	COMPACTOR	-	157A3	TT	8.00-20	11.00-20 20/2 eHD	1069	293	1097	316	484	3210	352	4125	700
	13/80R20	COMPACTOR	-	164A3	TT	9.0-20	13/80-20	1050	322	1072	348	474	3299	387	5000	850
24"	13.00-24	TG-02	12	143A8	TT/TL	8.00TG SDC (9.00/1.5 (DC))	13.00-24	1278	333	1318	360	579	3770	-	2725	300
	14.00-24	TG-02	16	153A8	TT/TL	8.00TG SDC (10.00 VA SDC)	14.00-24	1348	362	1392	391	608	3975	-	3650	375
26"	23.1-26	TD-01	10 14	149A8 156A8	TL	DW20Ax26	(23.1-26)	1605	587	1660	634	760	4720	-	3250 4000	140 200
	23.1-26 IND	UK 5*	10 12	158A8 162A8	TL	DW20Ax26	(23.1-26)	1580	587	1635	634	750	4660	-	4250 4750	170 190

* Inflation pressure for UK 5 you can find on page 28.

VARIATION IN LOAD CAPACITY WITH SPEED DEPENDENCE

23.1-26 TD-01

SPEED (km/h)	0	5	10	15	20	25	30	35	40	45	50
LOAD CAPACITY	+130%	+70%	+50%	+34%	+23%	+11%	+7%	+3%	(0)	-4%	-9%

All Field Applications: A8 Tyres - loads as in the Table plus 7%

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

VARIATION IN LOAD CAPACITY WITH INFLATION

TYRE SIZE		PR LI/SS	LOAD CAPACITY PER TYRE (kg)					INFLATION (kPa)
			SPEED (km/h)					
			0	8	10	15	25	
20"	11.00-20 COMPACTOR	16 PR	-	1 400	-	1 350	-	200
			-	2 020	-	1 900	-	300
			-	2 640	-	2 480	-	400
			-	3 240	-	3 000	-	500
			-	3 800	-	3 500	-	600
			-	4 350	-	4 000	-	700
			-	4 900	-	4 500	-	800
			-	5 480	-	5 000	-	900
	-	6 000	-	-	-	1000		
	11.00-20 COMPACTOR EXTRA	18 PR	7 984	-	4 990	-	-	625
			8 272	-	5 170	-	-	655
			8 488	-	5 305	-	-	690
			8 712	-	5 445	-	-	725
			9 000	-	5 625	-	-	760
			9 216	-	5 760	-	-	800
			9 600	-	6 000	-	-	830
	11.00-20 COMPACTOR SMOOTH	18 PR	6 109	-	3 818	-	3 320	725
			6 311	-	3 945	-	3 430	760
			6 468	-	4 042	-	3 515	800
			6 624	-	4 140	-	3 600	830
			7 360	-	4 600	-	4 000	1000
	11.00R20 COMPACTOR	157A3	-	-	1 500	1 200	-	150
			-	-	1 900	1 525	-	200
			-	-	2 250	1 800	-	250
			-	-	2 625	2 100	-	300
			-	-	2 950	2 375	-	350
			-	-	3 300	2 625	-	400
			-	-	3 925	3 150	-	500
			-	-	4 550	3 650	-	600
			-	-	5 150	4 125	-	700
	13/80R20 COMPACTOR	164A3	-	-	2 520	2 240	-	300
			-	-	3 100	2 760	-	400
			-	-	3 660	3 260	-	500
			-	-	4 260	3 790	-	600
			-	-	4 840	4 310	-	700
			-	-	5 420	4 820	-	800
			-	-	5 710	5 000	-	850
			-	-	6 000	-	-	900

VARIATION IN LOAD CAPACITY WITH INFLATION

TYRE SIZE		PR	LOAD CAPACITY PER TYRE (kg)					INFLATION (kPa)
			SPEED (km/h)					
			5	10	15	25	40	
24"	13.00-24 TG-02	12 PR	3 502	3 090	2 760	2 287	2 060	200
			4 012	3 540	3 162	2 620	2 360	250
			4 633	4 088	3 652	3 025	2 725	300
	14.00-24 TG-02	16 PR	5 049	4 455	3 980	3 297	2 970	325
			5 653	4 988	4 456	3 691	3 325	350
			6 205	5 475	4 891	4 052	3 650	375

TYRE SIZE		PR	LOAD CAPACITY PER TYRE (kg)						INFLATION (kPa)
			SPEED (km/h)						
			0	10	20	30	40	50	
26"	23.1-26 TD-01	10 PR	5 934	3 870	3 175	2 760	2 580	2 348	90
			6 670	4 350	3 565	3 100	2 900	2 639	110
			7 475	4 875	4 000	3 480	3 250	2 958	140
		14 PR	8 395	5 475	4 490	3 905	3 650	3 322	170
			9 200	6 000	4 920	4 280	4 000	3 640	200

SKID STEER TYRES

SK-01

Standard tread pattern with good traction properties and sidewall protection.



SK-02

Heavy duty tread pattern, robust reinforced tread lug in the central part, higher endurance against puncture and tread wear. Reinforced sidewall.



TR-10

Tread pattern suitable above all for bigger skid steer loaders and front axels of backhoe loaders alternatively telescopic platform.



TYRE SIZE		TREAD PATTERN	PR	LI / SS	TYPE	RIM	TUBE/FLAP	TYRE DIMENSIONS (mm)						LOAD CAPACITY (kg)	INFLATION (kPa)
								NEW		MAX. IN SERVICE		SR	RC		
								OD	SW	OD	OW				
12"	23x8.50-12	SK-01 SK-02	6	99A4	TL	7.00x12	-	575	214	589	231	258	1690	775	250
	23x8.50-12	SK-02	10	115A4	TL	7.00x12	-	575	214	589	231	258	1690	1215	380
15"	27x8.50-15	SK-02	6	99A4	TL	7.00x15	-	680	214	695	231	317	2000	775	250
15.3"	10.0/75-15.3 IND	SK-01	8	122A6	TT/TL	9.00x15.3	10-15 HS	780	264	800	277	360	2295	1500	425
			10	127A6		10/75-15	1750							525	
16.5"	10-16.5	SK-02	8	131A3	TL	8.25x16.5	-	773	264	792	285	345	2340	1950	375
	12-16.5	SK-02	10	140A3	TL	9.75x16.5	-	831	307	851	331	370	2515	2500	450
17.5"	14-17.5	TR-10	10	131B	TL	10.50x17.5	-	910	355	932	383	430	2858	1950	380
			14	139B										2430	550

VARIATION IN LOAD CAPACITY WITH INFLATION

TYRE SIZE		PR	LOAD CAPACITY PER TYRE (kg)				INFLATION (kPa)
			DRIVE WHEELS (km/h)				
			10	15	20	30	
12"	23x8.50-12 SK-01 SK-02	6 PR	505	470	420	400	125
			550	515	460	435	150
			650	605	540	515	175
			745	695	620	590	200
			840	785	700	665	225
			930	870	775	735	250
	23x8.50-12 SK-02	10 PR	1050	980	875	831	280
			1134	1058	945	898	300
			1212	1131	1010	960	320
			1338	1249	1115	1059	350
		1458	1361	1215	1154	380	
15"	27x8.50-15 SK-02	6 PR	610	570	510	485	150
			700	655	585	555	175
			790	740	660	625	200
			865	805	720	685	225
			930	870	775	735	250
15.3"	10.0/75-15.3 SK-01	8 PR	1430	1355	1300	1180	300
			1505	1430	1370	1245	325
			1585	1505	1440	1310	350
			1665	1580	1515	1375	375
			1745	1655	1585	1440	400
			1815	1725	1650	1500	425
		10 PR	1890	1800	1720	1565	450
			1970	1870	1790	1625	475
			2045	1945	1860	1690	500
			2120	2015	1925	1750	525
16.5"	10-16.5 SK-02	8 PR	1640	1530	1365	1195	250
			1730	1615	1440	1265	275
			1825	1700	1520	1335	300
			1915	1785	1595	1400	325
			2005	1870	1670	1465	350
			2090	1950	1740	1525	375
			12-16.5 SK-02	10 PR	2075	1935	1730
	2210	2060			1840	1615	275
	2330	2170			1940	1700	300
	2440	2280			2035	1785	325
	2525	2360			2105	1845	350
	2575	2400			2145	1880	400
	2750	2450			2290	2010	425
	2690	2500			2240	1965	450

TYRE SIZE		PR	LOAD CAPACITY PER TYRE (kg)					INFLATION (kPa)
			DRIVE WHEELS (km/h)					
			10	20	30	40	50	
17.5"	14-17.5 TR-10	10 PR	2 760	2 480	2 205	1 970	1 775	320
			2 890	2 600	2 315	2 065	1 860	350
			3 030	2 730	2 425	2 165	1 950	380
			3 165	2 850	2 530	2 260	2 035	410
		14 PR	3 345	3 010	2 675	2 390	2 150	450
			3 565	3 205	2 850	2 545	2 290	500
			3 780	3 400	3 025	2 700	2 430	550

		TREAD PATTERN		
TYRE SIZE		SK-01	SK-02	TR-10
23x8.50-12		o	o	
27x8.50-15			o	
10.0/75-15.3 IND		o		
10-16.5			o	
12-16.5			o	
14-17.5				o

FORK LIFT TYRES

FL-01

Tread pattern designed for heavy duty service.
Good directional stability.



FL-02

Type of rib/block tread pattern combination. Providing good traction.
Good directional control in various service conditions.



FL-03

Rib pattern used in 8" tyres.
Good vehicle stability and skid resistance.



FL-04

Block type tread patterns for heavy duty service demanding operational condition.
Good traction characteristics and puncture resistance.



FL-05

Rib tread pattern intended for normal service.
Good vehicle stability and skid resistance.



FL-06

Combination of rib/block tread pattern.



FL-07

Combination of rib/block tread pattern.



FL-08

Higher filling of tread pattern.
Tread pattern designed for heavy duty service.
Good directional stability.



	TYRE SIZE	TREAD PATTERN	PR	LI/SS	TYPE	RIM	TUBE/FLAP	TYRE DIMENSIONS (mm)					MIN. DUAL SPACING (mm)	LOAD CAPACITY (kg)		INFLATION (kPa)
								NEW		MAX. IN SERVICE		SR		LOAD WHEEL	STEERING WHEEL	
								OD	SW	OD	OW					
8"	4.00-8	FL-01 FL-03 FL-08	6	90A5	TT	3.00D-8	4.00-8	414	112	422	121	188	134	780	600	800
	4.00-8	FL-01 FL-03 FL-08	8	94A5	TT	3 1/4I-8	4.00-8	414	115	422	124	188	138	870	670	900
	4.00-8	FL-03 FL-08	10	97A5	TT	3 1/4I-8	4.00-8	414	115	422	124	188	138	950	730	1000
	5.00-8	FL-01 FL-03 FL-08	8	106A5	TT	3.00D-8	5.00-8	467	132	476	143	208	158	1235	950	825
	16x6-8	FL-01	16	113A5	TT	4.33R-8	16x6-8	425	152	434	164	192	175	1495	1150	1000
	18x7-8	FL-01 FL-08	8 14 16	111A5 121A5 125A5	TT	4.33R-8	18x7-8	462	173	471	187	206	199	1415 1885 2145	1090 1450 1650	700 900 1000
9"	6.00-9	FL-01 FL-02 FL-08	10	118A5	TT	4.00E-9	6.00-9	540	160	551	173	240	192	1715	1320	850
	6.00-9	FL-01 FL-02 FL-08	12	121A5	TT	4.00E-9	6.00-9	540	160	551	173	240	192	1885	1450	1000
	21x8-9	FL-01	10 14 16	122A5 131A5 134A5	TT	6.00E-9	21x8-9	535	200	546	216	234	230	1950 2535 2755	1500 1950 2120	625 900 1000
10"	6.50-10	FL-01 FL-02 FL-08	10	122A5	TT	5.00F-10 (5.50F-10)	6.50-10	588	177	600	191	262	212	1950	1500	775
	6.50-10	FL-01 FL-02 FL-08	12	125A5	TT	5.00F-10 (5.50F-10)	6.50-10	588	177	600	191	262	212	2145	1650	900
	6.50-10	FL-08	14	128A5	TT	5.00F-10 (5.50F-10)	6.50-10	588	177	600	191	262	212	2340	1800	1000
12"	23x9-10	FL-01	16 18	137A5 139A5	TT	6.50F-10	23x9-10	595	225	607	243	260	259	2990 3160	2300 2430	800 900
	23x9-10	FL-08*	20	142A5	TT	6.50F-10	23x9-10	595	225	607	243	260	259	3440	2650	1000
	7.00-12	FL-01 FL-02 FL-08	12	133A5	TT	5.00S-12	7.00-12	672	192	685	207	303	230	2680	2060	850
	7.00-12	FL-01 FL-02 FL-08	14	134A5	TT	5.00S-12	7.00-12	672	192	685	207	303	230	2755	2120	900
	7.00-12	FL-08	16	136A5	TT	5.00S-12	7.00-12	672	192	685	207	303	230	2910	2240	1000
13"	27x10-12	FL-01	14 16 20	143A5 146A5 152A5	TT	8.00G-12	27x10-12	690	255	704	275	304	293	3545 3900 4615	2725 3000 3550	700 800 1000
	23x5	FL-05	6 8 10	106B 115B 118B	TT	3.75P-13	23x5	635	155	654	167	295	186	- - -	950 1215 1320	600 750 800
	23x5	FL-07	6 10	113A5 121A5	TT	3.75P-13	23x5	635	155	654	167	290	186	1495 1885	1150 1450	525 800
	7.50-15	FL-01 FL-08	14 16	144A5 146A5	TT	6.0-15 (6.5-15)	7.50-15	772	212	787	229	350	254	3640 3900	2800 3000	925 1000
	8.15-15	FL-01 FL-04 FL-08	14	146A5	TT	7.0-15	28x9-15	707	216	721	233	322	248	3900	3000	1000
15"	250-15*	FL-08	18	153A5	TT	7.50-15	250-15	735	250	750	270	340	288	4745	3650	950
	8.25-15	FL-06	14	149A5	TT	6.5-15	8.25-15	836	234	853	253	376	281	4225	3250	800
	8.25-15	FL-01 FL-08	18	153A5	TT	6.5-15	8.25-15	836	234	853	253	376	281	4745	3650	1000

* in preparation

COUNTERBALANCED LIFT TRUCKS APPLICATION		MAXIMUM TYRE LOAD CAPACITY (% OF REFERENCE LOAD)
25 km/h	LOAD WHEEL	130
	STEERING WHEEL	100
35 km/h	LOAD WHEEL	125
	STEERING WHEEL	92.5

SIDE-LOADERS APPLICATION		MAXIMUM TYRE LOAD CAPACITY (% OF REFERENCE LOAD)
STATIC		151
25 km/h		100
35 km/h		92.5

OTHER VEHICLES APPLICATION		MAXIMUM TYRE LOAD CAPACITY (% OF REFERENCE LOAD)
10 km/h		130
25 km/h		100
40 km/h		89
50 km/h		84

TYRE SIZE	TREAD PATTERN							
	FL-01	FL-02	FL-03	FL-04	FL-05	FL-06	FL-07	FL-08
4.00-8	o		o					o
5.00-8	o		o					o
16x6-8	o							
18x7-8	o							o
6.00-9	o	o						o
21x8-9	o							
6.50-10	o	o						o
23x9-10	o							o
7.00-12	o	o						o
27x10-12	o							
23x5					o		o	
7.50-15	o							o
8.15-15	o			o				o
250-15								o
8.25-15	o					o		o

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.

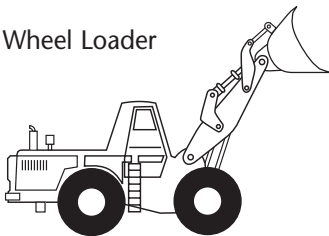
Always remove the valve core.

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.

EARTHMOVER TYRES

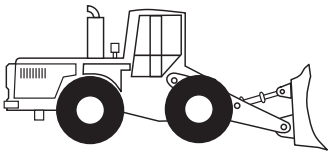
“L” SERIES TYPE TYRES

“L” series type tyres are used on all size loaders and dozers in off-the road applications. Most loader type tyres, because of their extremely heavy construction, are limited to very low speeds and very short haul distances, 10 km/h and 250 m maximum.



Wheel Loader

Wheel Dozer



- Loader Service :

Close work cycle

Slow Speed-up to 10 km/h

Short distance-up to 250m
- Dozer Service:

Pushes or grades material

Slow Speed-up to 10 km/h

Travel distance varies
- Load and Carry Service:

Picks up and transports material

Low speed-up to 25km/h

Short distance-cycle length up to 600 m

“L”-series tyres are categorized by number code, type and tread depth.

Number Code	Type	Tread Depth
L-2	Traction Design	Regular Tread Depth
L-3	Rock Design	Regular Tread Depth

Below are Mitas Tyre Examples of “L” Series Tyres



L-2



L-2



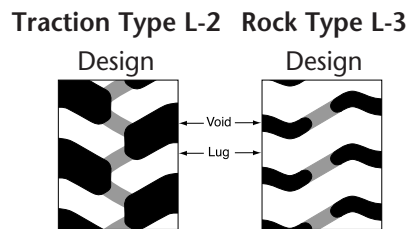
L-3



L-3

The letter designation and number code is found on the sidewalls of tyres.
The L-2 traction design tyre gives maximum traction in sand and soft soil conditions.
The L-3 rock design offers good traction and rock resistance in general purpose loader operations.

These illustrations show different lug to void ratios.



MITAS has also developed comparison ratings for "L" series type tyres.

Note: The numbers are relative ratings with the L-3 tyre rated at 100.

For example, the L-2 tyre has 20% better traction than the L-3.

Certain tyre construction features and applications can affect these ratings.

The data below could vary from operation and / or from size to size of tyre.

"L" Series Tyres				
	Traction	Rock resistance	Tread wear	Lug to Void Ratio
L-2	120	90	90	1:1
L-3	100	100	100	2:1

"E" SERIES TYPE TYRES

The "E" series type tyres are referred to as haulage tyres in off-the-road earthmoving applications. These tyres transport material over uneven surfaces at speeds under 50 km/h and short distances, up to 4 km one way. The machine returns unloaded to the loading point. These tyres are used on machines as Dumpers and Scrapers.

"E" series tyres are categorized by **number code**, **type** and **tread depth**.

Number Code	Type	Tread Depth
E-2	Traction Design	Regular Tread Depth

Below is Mitas Tyre Example of "E" Series Tyres



E-2/L-2 *

***Note:** It is common today to have „E“ series tyres on loader equipment. For loader service increase inflation pressure to the catalogue value.

Determining Inflation Pressures for Loaders

1 – By weighing the machine axle

- determine** the maximum load on each tyre by weighing, this is the only way whereby tyre pressures can be set accurately for optimum performance
- use** the table „Variation in load capacity with speed“ for LOADERS to determine the pressure
Front axle: for the laden front axle (bucket full)
Rear axle: for the unladen rear axle (bucket empty)

2 – By calculation, using the machine manufacturer’s data

When the machine is loading with the bucket penetrating into the material, the loader is often on the point of tipping.

It is in this state that the front tyres are most heavily laden.

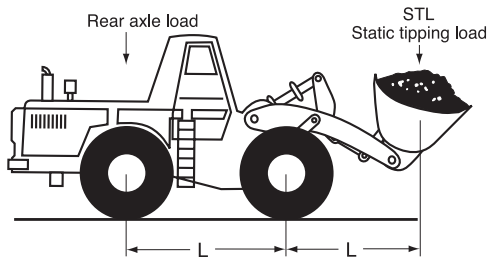
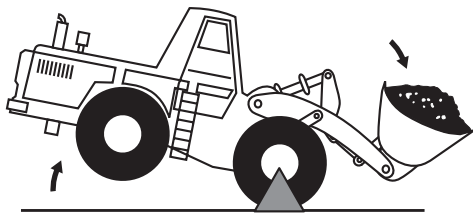
- **determine** the maximum load/tyre on the front and rear axles

FRONT axle

The load on the front axle is equal to the total unladen weight of the machine + the tipping load (tipping load is shown in machine manufactureres data).

REAR axle (bucket empty)

- **use** either the unladen rear axle load given by the machine manufacturer, or
- **take** 60% of the unladen weight of the machine (to have a margin of safety)



Example calculation (for loader with following characteristics):

Tyre equipment:	23.5-25 16PR EM-30 TL		
Unladen weights	Front:	8000 kg	(1)
	Rear:	8500 kg	(2)
	Total:	16500 kg	(3)
Straight line tipping load:		13900 kg	(4)

Maximum axle load – Front (static*)
(3) + (4) = 30400 kg or 15200 kg per tyre

Maximum axle load - Rear
(2) = 8500 kg or 4250 kg per tyre

Base pressures as per table „Variation in load capacity with speed“
Front = 300 kPa (* increase for static load from 10 km/h is 60%, 15200/1,6=9200 kg)
Rear = 250 kPa

IMPORTANT

The rule to determine pressures by calculation applies to loaders of standard specification and which have not been modified for special use. The calculated pressures are the minimum for the loads and may be increased to obtain a desired level of handling, or for particular applications, (but must remain within the published load /pressure schedule for the tyre size and type).

In the case of long travel distances (ex: delivery of new machine, transfer from one site to another, etc.), specific precautions need to be taken:

Vehicles in Transit

- vehicles must be empty during transit
- set inflation pressure on cold tyres to the maximum value permitted by table “Variation in load capacity with speed” for loaders
- maximum vehicle speed 35 km/h
- cooling stop 30 minutes after each 50 km transit
- transit to the longer distance than 100 km is not recommended and vehicle must be transported on a trailer

The inflation pressure will increase during roading of the vehicles. The pressure must not be lowered when tyres are warm.

Determining Inflation Pressures for Dozers

Depending on the type of work, tyres on a dozer are subjected to different types of loading.

- the load on the Front Axle is maximum when loading (pushing) a scraper
- the load on the Rear Axle is maximum when dozing or whilst stockpiling

From a practical viewpoint, the maximum load on either of the two axles is approximately equal to 2/3 of the machine weight.

- using this method determine the load on each tyre
- use the table „Variation in load capacity with speed“

Determining Inflation Pressures for Telescopic Handlers

In the case of telescopic handlers the pressures recommended by the machine manufacturer should be used. These pressures are determined by the machine manufacturer after conducting “Tilt Test” for stability. In the absence of machine manufactureres recommendation, use the pressure corresponding to the maximum normalised load as shown in the table „Variation in load capacity with speed“ for LOADERS for both front and rear tyres.

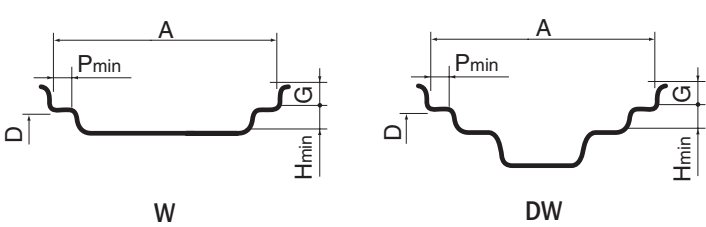
SERVICE CONDITIONS



W and DW Rims

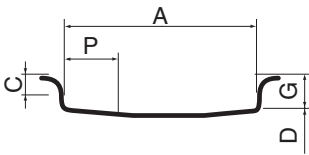
RIM	A	G	P min.	H min.
W14L	355.6	25.4	27.0	20.6
W15L	381.0	25.4	33.0	20.6
W16L	406.4	25.4	33.0	20.6
DW20A	508.0	28.6	50.8	27.0
DW15L	381.0	25.4	36.5	27.0
DW18	457.2	25.4	50.8	27.0
DW20	508.0	28.6	41.3	27.0

nominal	D
24"	614.4
26"	665.2
28"	716.0
30"	766.8



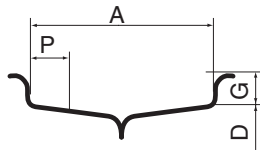
5° Tapered Rims

RIM	A	G	D
3.00D-8	76.2	17.5	202.4
4.00E-9	101.6	19.8	227.8
6.00E-9	152.4	19.8	227.8
5.00F-10	127.0	22.2	253.2
5.50F-10	139.7	22.2	253.2
6.50F-10	165.1	22.2	253.2
5.00S-12	127.0	31.3	308.8
8.00G-12	203.2	27.9	304.0



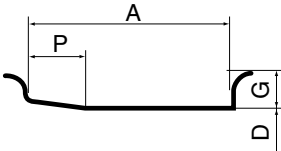
5° Tapered Rims - Divided Type

RIM	A	G	D
3 1/4 I - 8	82.5	15.8	202.4
5.00S-12	127.0	31.3	308.8



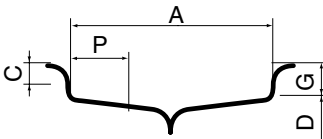
Flat Base Rims

RIM	A	G	D
3.75P-13	95.2	25.4	330.2
4.33R-8	110.0	28.6	381.0



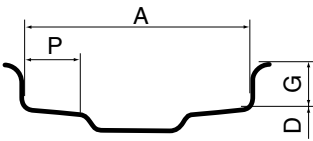
Flat Base Rim - Divided Type

RIM	A	G	D
4.33R-8	110.0	27.8	205.1



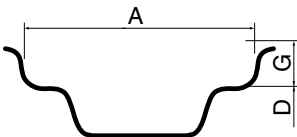
5° Semi-Drop Centre Rims

RIM	A	G	D
9x20 SDC	228.6	25.4	512.8
11x20 SDC	279.4	25.4	512.8
12x20 SDC	304.8	25.4	512.8
13x20 SDC	330.2	25.4	512.8
13x24 SDC	330.2	25.4	614.4
8.00TGx24 SDC	203.2	35.7	614.4
16.00T-24 SDC	406.4	35.7	614.4
10.00VAX24SDC	254.0	43.2	614.4



5° Drop-Centre Rims

RIM	A	G	D
7.00x12	177.8	20.5	304.0
7.00x15	177.8	20.5	380.2



SAMPLE OF RIM MARKING

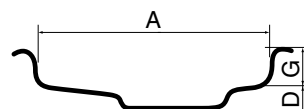
DW18L x 38	MEANING
DW	Rim Contour
18	Nominal Rim Width in Inches
L	Flange Height Code
x	One-Piece Rim
38	Nominal Rim Diameter in Inches

FURTHER SAMPLES OF MARKING

W	Wide Drop Centre - Single Well Shape Rim
D	WWide Drop Centre - Double Well Shape Rim
SDC	Semi-Drop Centre Rim
-	Multi-Piece Rim
H2	Double Hump
DC	Drop Centre Rim

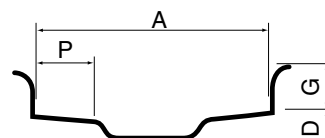
5° Drop-Centre Rims

RIM	A	G	D
9.00x15.3	228.6	19.0	388.8
9x18	228.6	25.4	462.0
11x18	279.4	25.4	462.0
12x18	304.8	25.4	462.0
9x20	228.6	25.4	512.8
11x20	279.4	25.4	512.8
12x20	304.8	25.4	512.8
13x20	330.2	25.4	512.8
16.0x20	406.5	25.5	512.8
13x24	330.2	25.4	614.4
13.0x24	330.2	25.4	614.4



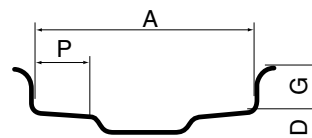
5° Full Tapered Rims

RIM	A	G	D
13.00/2.5-25	330.2	63.5	635.0
15.00/2.5-25	381.0	63.5	635.0
17.00/2.0-25	431.8	50.8	635.0
19.50/2.5-25	495.3	50.8	635.0
22.00/3.0-25	558.8	76.2	635.0
22.00/3.0-29	558.8	76.2	736.6
24.00/3.0-29	609.6	76.2	736.6



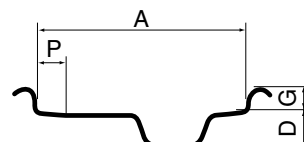
5° Full Tapered Rims

RIM	A	G	D
12.00/1.3-25	304.8	33.0	635.0
14.00/1.5-25	355.6	38.1	635.0
17.00/1.7-25	431.8	43.2	635.0



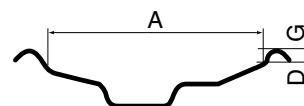
5° Drop-Centre Rims

RIM	A	G	D
9.00/1.5-24	228.6	38.0	614.4
13.00/1.4-25	330.2	35.8	635.0
14.00/1.3-25	355.6	33.0	635.0



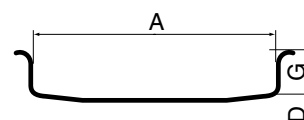
15° Drop-Centre Rims

RIM	A	G	D
8.25x16.5	209.6	12.7	419.1
9.75x16.5	247.6	12.7	419.1
10.50x17.5	266.5	12.7	444.5
13.00x19.5	330.2	12.7	495.3
14.00x19.5	355.6	12.7	495.3
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
6.0-15	152.4	33.0	387.4
6.5-15	165.1	35.6	387.4
7.0-15	177.8	38.1	387.4
6.0-20	152.4	33.0	514.4
6.5-20	165.1	35.6	514.4
7.0-20	177.8	38.1	514.4
7.5-20	190.5	40.6	514.4
8.0-20	203.2	43.2	514.4
8.5-20	215.9	45.7	514.4



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