

Continental MPT crossply tyres – universal for all applications



E 6

Crossply tyres for multipurpose vehicles, implements, transport and municipal service vehicles as well as for dumpers and off-road lift trucks. These tyres are ideal for:

- on- and off-road use
- summer and winter applications
- excellent cornering



MPT 30

Crossply tyre for wheel loader and off-road forklift.

Wide tread lugs, the well-rounded base of the tread groove and the compact side-wall ensure that the MPT 30 has:

- high traction
- good self-cleaning
- good lateral rigidity



Titan

Crossply tyres for multipurpose vehicles, implements, transport and municipal service vehicles as well as for dumpers and off-road lift trucks.

- On- and off-road use



MPT E5

Crossply tyres for multipurpose vehicles, implements, transport and municipal service vehicles as well as for dumpers and off-road lift trucks.

- Construction-site and on-road use



MIL

Crossply tyres with a nondirectional tread pattern

- Primarily for military applications and
- on-/off-road use

Operating instructions (DIN 7793 and ECE-R 54)

MPT=Multi Purpose Tyres

Load capacity and speed.

When determining the minimum tyre size necessary for a vehicle, the approved axle load and the maximum design speed of the vehicle should always be used as a basis. The so-called "list of tolerances" must also be considered. Nominal load capacity = 100% load, as indicated by the Load Index (LI)*.

Reference speed. The reference speed is classified according to the nominal load capacity of the tyre.

Tyre pressure. The tyre pressures given in the tables are minimum tyre pressures and should be regarded as a guide only. For special operating conditions specific tyre pressure may be recommended.

All tyre pressures refer to the "cold" tyre which has been standing outdoors for several hours, not exposed to intense sunlight.

Mixed tyres. Although on vehicles over 2.8t in weight different tyre designs are permitted per axle, we recommend fitting the same design on all wheel positions.

Rims. Only the rims detailed in this book may be fitted for use on the tyres shown.

Wheels. The load capacity of the wheels used must always be adequate.

According to **ECE-Regulation No. 54** MPT tyres for speeds of 50 mph (80 km/h) and over must carry an operating code, consisting of the Load Index (LI)* and the Speed Index (SI).

*) see table page 4.

Load capacities for various maximum design speeds and for special applications

Maximum speed in km/h (determined by vehicle design)	Approved load capacity in % of the nominal load capacity according to Load Index for reference speed			
	E (70 km/h)	G (90 km/h)	J (100 km/h)	K (110 km/h)
120	–	–	88	93
115	–	–	93	97
110	–	87	96	100
107,5	–	89,5	97	100
105	–	92	98	100
102,5	–	93,5	99	100
100	–	95	100	100
95	–	97,5	101	101
90	83	100	102	102
85	88	103	103	103
80	93	104	104	104
75	96,5	105,5	105,5	105,5
70	100	107	107	107
65	105	108,5	108,5	108,5
60	110	110	110	110
55	111	111	111	111
50	112	112	112	112
45	113	113	113	113
40 ¹⁾	115	115	115	115
35 ¹⁾	119	119	119	119
30 ¹⁾	125	125	125	125
25 ¹⁾	135	135	135	135
20 ¹⁾	150	150	150	150
15 ¹⁾	165	165	165	165
Application-restricted speed				
10 ^{1) 2)}	180	180	180	180
5 ^{1) 2)}	210	210	210	210
Stationary ^{1) 2)}	250	250	250	250

1) Twin tyre load capacity = 2x single tyre load capacity.

2) For these applications please contact tyre manufacturer.

Special-application	Type of operation	Approved load capacity in %
1	Special vehicles: Fire engines with special superstructure, road-washing vehicles, road-sweepers, refuse lorries, mobile working platforms and similar vehicles in municipal services and other public use.	of the above approved load capacity at the respective speed 110
2	Tyres on the front axle of trucks equipped for snow-clearing (front-mounted snow plough, front-mounted snow blower etc.) for application-restricted speeds of 30 mph (50 km/h) 38 mph (62 km/h)	of the nominal load capacity 120 115

Technical data and load capacities

Size	Tyre			Rim	TL-valve	Normal dimensions		Continental tyre dimensions		Static radius	Rolling circumference T ₀ , ± 2,5%	PR	Load Index LI	Load capacity (kg) per tyre at tyre pressure (bar) Single tyre fitment												Speed-index and ref. speed (km/h)						
	PR	Operational code ¹⁾	Tread			Width in service	Outer dia.	Width	Outer dia.					2,0	2,5	3,0	3,5	3,75	4,0	4,25	4,5	5,0	5,25	6,0	6,5							
with code designation																																
10.5 R 20 TL	10	128 J	MPT 80	9x20	43 GS 16 ²⁾	284	968	265	950	444	2865	10	128	990	1185	1370	1550	1635	1715	1800							J (100)					
	14	134 J											134	990	1185	1370	1550	1635	1715	1800	1875	2030	2120									
12.5 R 20 TL	12	132 J	MPT 80, MIL	11 x 20 ³⁾ oder 11-20 SDC	43 GS 16 ²⁾	340	1056	320	1030	480	3120	12	132	1320	1575	1800	2000								J (100)							
	16	139 J ³⁾	MPT 80										139	1320	1575	1800	2000	2120	2240	2335	2430											
	22	147 J ³⁾											147	1320	1575	1800	2000	2120	2240	2335	2430	2625	2710	2975		3075						
14.5 R 20 TL	10	132 J	MPT 80	11 x 20 ³⁾ oder 11-20 SDC	43 GS 16 ²⁾	373	1113	352	1090	503	3285	10	132	1445	1730	2000								J (100)								
	18	143 J ³⁾											143	1445	1730	2000	2290	2430	2575	2650	2725											
	-	152 J ³⁾											152	1445	1730	2000	2290	2430	2575	2650	2725	3000	3125		3550							
with size in mm																																
315/55 R 16	TL	120 K	MPT 81	10, 10 LB 11	43 GS 11.5 43 GS 16	318 329	766	307 317	750	348	2262	-	120	895	1070	1240	1400										K (110)					
275/80 R 20 (10.5 R 20)	TL	134 K	MPT 81	9, 9 SDC W 9	43 GS 16 ²⁾	292	966	265	950	440	2850	-	134	990	1185	1370	1550	1635	1715	1800	1875	2030	2120									
335/80 R 20 (12.5 R 20)	TL	147 K	MPT 81	W 10 11, 11 SDC W 11	43 GS 16 ²⁾	354 365	1066	310 320	1032	480	3120	-	147	1320	1575	1800	2000	2120	2240	2335	2430	2625	2710	2975	3075							
365/80 R 20 (14.5 R 20)	TL	152 K	MPT 81	11 11 SDC 12 SDC	43 GS 16 ²⁾	378 389	1116	380 390	1089	502	3275	-	152	1445	1730	2000	2290	2430	2575	2650	2725	3000	3125	3550								
with MPT 70 E tread for construction site vehicles																																
325/70 R 18	TL	125 E	MPT 70 E	9 11, 11 SDC	43 GS 16 ²⁾	328 350	940	313 333	933	423	2863	-	125	1010	1200	1380	1560	1650								E (70)						
365/70 R 18	TL	133 E	MPT 70 E	11 SDC 12	43 GS 16 ²⁾	400 411	1000	365 375	969	428	2895	-	133	1250	1490	1720	1950	2060														
335/80 R 20	TL	134 E	MPT 70 E	9, 11	43 GS 16 ²⁾	344 366	1076	298 318	1041	480	3120	-	134	1280	1530	1770	2005	2120														
365/80 R 20	TL	139 E	MPT 70 E	11, 11 SDC 12	43 GS 16 ²⁾	378 389	1116	378	1116	500	3302	-	139	1470	1770	2030	2300	2430														
405/70 R 20	TL	141 E	MPT 70 E	12 13, 13 SDC	43 GS 16 ²⁾	441 452	1121	426	1062	486	3227	-	141	1560	1860	2150	2240	2575														
455/70 R 24		152 E	MPT 70 E	W 14 L W 15 L	43 GS 16 ²⁾	-	-	435 446	1223	540	3620	-	152	1885	2355	2840	3300	3550														

¹⁾ Load index single wheel fitment and speed index

²⁾ Valve 50 MSW optional

³⁾ Over LI 32 please check rim load capacity

Recommended tyre pressures for tyres on off-road vehicles

Tyre size	Pattern	Load Index (PR)			Load capacity (kg) per tyre	Tyre pressure (bar)	
						on firm ground (plow land, grassland, runways) V _{max} 50 km/h	on loose ground (sand, mud) V _{max} 20 km/h
315/55 R 16	MPT 81	120 G			1400 1060 750	3,0 2,5 1,5	2,0 1,5 1,0
275/80 R 20	MPT 81	134 (14 PR)	128 (10 PR)		1500	2,4	1,5
10.5 R 20	MPT 81				1650 1800	2,7 3,0	1,7 1,9
				1950 2120	3,4 3,8	2,1 2,4	
335/80 R 20	MPT 81	147 (22 PR)	139 (16 PR)	132 (12 PR)	1650	2,0	1,1
12.5 R 20	MPT 80			1800 1950	2,1 2,4	1,2 1,4	
				2120 2240 2430	2,7 2,8 3,2	1,6 1,7 1,9	
				2725 3075	3,7 4,2	2,3 2,6	
365/80 R 20	MPT 81	152 (22 PR)	143 (18 PR)	132 (10 PR)	1950	2,1	1,1
14.5 R 20	MPT 80			2120 2240 2430 2725	2,3 2,6 2,9 3,3	1,3 1,4 1,6 1,9	
				3075 3250 3550	3,7 3,9 4,4	2,3 2,5 2,8	

Recommended load capacities for use on wheel loaders

Tyre size / Pattern	LI / SI	Type of use	Tyre load carrying capacity (kg) at a pressure (bar) of						
			1,5	2,0	2,5	3,0	3,5	3,75	4,0
325/70 R 18 MPT 70 E	125 E	0 km/h break out	1880	2345	2785	3200	3615	3775	-
		10 km/h loading	1175	1465	1740	2000	2260	2360	-
		wheel loader VA + HA	1000	1245	1480	1700	1920	2010	-
365/70 R 18 MPT 70 E	133 E	0 km/h break out	2325	2925	3475	4000	4550	4800	-
		10 km/h loading	1450	1825	2175	2500	2850	3000	-
		wheel loader VA + HA	1225	1550	1850	2125	2425	2550	-
335/80 R 20 MPT 70 E	134 E	0 km/h break out	2350	2950	3550	4125	4650	4925	-
		10 km/h loading	1475	1850	2225	2575	2900	3075	-
		wheel loader VA + HA	1250	1575	1900	2200	2475	2625	-
365/80 R 20 MPT 70 E	139 E	0 km/h break out	2800	3525	4250	4875	5500	5850	-
		10 km/h loading	1750	2200	2650	3050	3450	3650	-
		wheel loader VA + HA	1500	1875	2250	2600	2925	3100	-
405/70 R 20 MPT 70 E	141 E	0 km/h break out	2950	3750	4475	5200	5900	6200	-
		10 km/h loading	1850	2350	2800	3250	3675	3875	-
		wheel loader VA + HA	1575	2000	2375	2775	3125	3300	-
375/70 R 20 MPT AC 70 G	136 G	0 km/h break out	2725	3450	4000	4500	4975	5200	5375
		10 km/h loading	1700	2150	2500	2800	3075	3225	3350
		wheel loader VA + HA	1450	1850	2125	2375	2625	2750	2850
405/70 R 20 MPT AC 70 G	136 G	0 km/h break out	2950	3750	4475	5200	5900	6200	-
		10 km/h loading	1850	2350	2800	3250	3675	3875	-
		wheel loader VA + HA	1575	2000	2375	2775	3125	3300	-
445/70 R 24 MPT AC 70 G	151 G	0 km/h break out	3700	4700	5775	6975	8275	-	-
		10 km/h loading	2325	2950	3625	4350	5175	-	-
		wheel loader VA + HA	1975	2500	3075	3700	4400	-	-
455/70 R 24 MPT 70 E	152 E	0 km/h break out	3250	4340	5420	6520	7590	8170	-
		10 km/h loading	2050	2735	3420	4120	4790	5150	-
		wheel loader VA + HA	1630	2170	2710	3270	3800	4080	-
495/70 R 24 MPT AC 70 G	155 G	0 km/h break out	4350	5525	6700	7925	9300	-	-
		10 km/h loading	2700	3450	4185	4950	5800	-	-
		wheel loader VA + HA	2325	2950	3575	4225	4950	-	-

