SOLIDEAL®
MPT/DUMPER PNEUMATICS

Tyre Designation		Tread		Rim (a)		Tube	Tyre dimension (b) max. in service		Speed Symbol (c)	PR(d)	Application	Maximum Tyre Load (daN)							
												On other vehicles (1)					On fork lifts		
												Infl. Press	at max speed in km/h				Infl. Press	Max 25km/h	
Size	Type	Type	TRA	Recom-mended	Approved		WIDTH	OD				kPa (2)	Static	10	25	50	kPa (2)	Load wheel	Steer wheel
10.5 - 18	MPT	4L	I3	9 x 18	9SDC	TBLS/TT	292	927	B	8°		300	3750	2700	2025	1680	350	2700	2250
										10		375	4250	3060	2295	1905	450	3060	2550
12.5-18	MPT	4L	I3	11x18	11SDC/12SDC/12	TBLS/TT	351	1017	B	10		300	4500	3240	2430	2015	350	3240	2700
										12		350	4875	3510	2635	2185	425	3510	2925
10.5 - 20	MPT	4L	I3	9 x 20	9SDC	TBLS/TT	292	977	B	10		375	4500	3240	2430	2015	425	3240	2700
12.5-20	MPT	4L	I3	11 x 20	11SDC/12SDC/12	TBLS/TT	351	1067	B	10°		300	4625	3330	2500	2070	350	3330	2775
										12		350	5000	3600	2700	2240	425	3600	3000
14.5 - 20	MPT	4L	I3	11 x 20	11SDC/12SDC/12	TBLS/TT	383	1124	B	10°		250	5000	3600	2700	2240	300	3600	3000
										12°		300	5450	3925	2945	2440	360	3925	3270
										14		350	5900	4250	3185	2645	425	4250	3540
405/70-20 (16/70-20)	MPT	4L	I3	13 x 20	13SDC	TBLS/TT	451	1121	A8	12	Free (3)	300	5695	4830	4105	3105	475	4935	4140
											Drive (3)	300		3400	2890	2185			
										14	Free (3)	350	6190	5250	4465	3375	550	5365	4500
											Drive (3)	350		3710	3155	2385			
		4L	R1							10°	Free (3)	300	5695	4830	4105	3105	475	4935	4140
											Drive (3)	300		3400	2890	2185			
										12°	Free (3)	300	5695	4830	4105	3105	475	4935	4140
											Drive (3)	300		3400	2890	2185			
										14	Free (3)	350	6190	5250	4465	3375	550	5365	4500
											Drive (3)	350		3710	3155	2385			
405/70-24 (16/70-24)	MPT	4L	I3	13 x 24	13SDC	TBLS/TT	451	1223	A8	14	Free (3)	350	6600	5600	4760	3600	450	5720	4800
											Drive (3)	350		3920	3330	2520			
		4L	R1							14°	Free (3)	350	6600	5600	4760	3600	450	5720	4800
											Drive (3)	350		3920	3330	2520			
15.5/80-24	MPT	4L	R1	13 x 24	W12/W13/W14L	TBLS/TT	414	1293	A8	12	Free (3)	300	6805	5775	4910	3715			
											Drive (3)	300		4060	3450	2610			
										14	Free (3)	350	7425	6300	5355	4050			
											Drive (3)	350		4410	3750	2835			
10.0/75-15.3	DUMPER	4L	R4	9 x 15.3		TBLS/TT	277	800	A8	8	Free (3)	310	2245	1905	1620	1225	425	1945	1630
											Drive (3)	310		1330	1130	855			
		4L	R1							8	Free (3)	310	2245	1905	1620	1225	425	1945	1630
											Drive (3)	310		1330	1130	855			
		4L	R4							10°	Free (3)	390	2560	2170	1845	1395	525	2215	1860
											Drive (3)	390		1525	1295	980			
11.5/80-15.3	DUMPER	4L	R4	9 x 15.3		TBLS/TT	305	891	A8	8°	Free (3)	270	2805	2380	2025	1530	375	2430	2040
											Drive (3)	270		1650	1405	1060			
		4L	R1							8°	Free (3)	270	2805	2380	2025	1530	375	2430	2040
											Drive (3)	270		1650	1405	1060			
		4L	R4							10	Free (3)	340	3220	2730	2320	1755	475	2790	2340
											Drive (3)	340		1905	1620	1225			
		4L	R4							14°	Free (3)	475	3475	3400	2890	2185	600	3475	2915
											Drive (3)	475		2380	2025	1530			

Specific remarks (1) Several service conditions characteristics may be permitted for the same tyre.
For the acceptable application conditions consult Tweco N.V. and / or the Service Condition Characteristics Marking on the tyre.
The given inflation pressures and loads versus speed are for industrial applications, with a maximum speed of 50 km/h.
The most demanding load/speed condition of the vehicle must be used to determine the minimum tyre size, which means the approved axle load and the maximum design speed.

(2) Lower inflation pressures may be used at lower loads, please consult the technical department.

(3) The loads versus the speed are given for applications with LLV (Low Load Variation). HLV(High Load Variation), is where the tyre load varies by a factor 2 or more between loaded and unloaded conditions.
For HLV the inflation pressure must be increased to the Forklifttruck value. For Free Rolling Wheels the given loads may be increased with 20 % under HLV conditions and IP's.
For Drive Wheels the given loads maybe increased with 43% under HLV conditions and IP's and for a maximum distance of 1 km only.
Other loads and inflation pressures apply under HLV conditions, please consult Tweco N.V.

TRACTIONMASTER 4L R1 — 4LI3/R4

SOLIDEAL®
WHEEL LOADER PNEUMATICS

Tyre designation	Tread		Application (1) (2)	Speed Symbol (c)	Rim (a)		Tyre dimension (b) max. in service			PR (d)	Maximum Tyre Load (daN) versus inflation pressure (kPa)														
	Loadmaster L2/E2/G2	Rockmaster L3/E3/G3			Recommended	Approved	Width (mm)	OD L2/E2 (mm)	OD L3/E3 (mm)		150	175	200	225	250	275	300	325	350	375	400	425	450	475
15.5-25	■	□	Loader	A2	12.00/1.3	12.00/1.3DC 13.00/1.4DC	437	1328	1381	12					4250	4475	4675	4875	5100	5350	5600			
			Grader	A8		12.00/1.3DC					2000	2200	2350	2500	2650									
			EM	B		12.00/1.3DC 13.00/1.4DC					2350	2575	2775	3000	3250									
17.5-25	■	□	Loader	A2	14.00/1.5	14.00/1.3DC 13.00/1.4DC	494	1405	1460	12			4425	4750	5050	5350	5600	5900	6150					
			Grader	A8		14.00/1.5DC 14.00/1.3DC					2300	2475	2750	2900	3100									
			EM	B		14.00/1.3DC 13.00/1.4DC					2800	3100	3375	3650										
	■	□	Loader	A2		14.00/1.3DC 13.00/1.4DC	494	1405	1460	16			4425	4750	5050	5350	5600	5900	6150	6400	6650	6900	7100	7300
			Grader	A8		14.00/1.3DC					2300	2475	2750	2900	3100	3350								
			EM	B		14.00/1.3DC 13.00/1.4DC					2800	3100	3375	3650	3850	4050	4250							
20.5-25	■	□	Loader	A2	17.00/2.0	17.00/1.7SDC/DC	577	1561	1621	16			5900	6300	6700	7100	7500	7900	8250					
			Grader	A8							3000	3250	3500	3750	4000									
			EM	B							3800	4150	4500	4825	5150	5450								
23.5-25		□	Loader	A2	19.50/2.5		663	1696	1756	16			8000	8500	9000	9500								
			Grader	A8							3800	4150	4500	4800										
			EM	B								5300	5750	6150										
		□	Loader	A2						20							9500	10000	10400	10900				
			EM	B										6150	6550	6950	7300							
26.5-25		□	Loader	A2	22.00/3.0		747	1839	1891	20			9150	9825	10500	11175	11850	12525	13200					
			EM	B									7300	7775	8250									

Specific remarks (1) For EM applications at lower speeds, for static loads and for industrial applications please consult the technical department. The classification "Loader" is valid for applications where goods are picked up and dumped at low speeds of about 10km/h and short distances of about 100m. The classification "Grader" is valid for maximum speeds of 40km/h. The classification "EM" stands for transport of the load over a longer distance, unloading and empty way back to the loading area. The given load and pressures apply to distances of maximum 4 km. For longer distances please consult the technical department. For combined Loading and Transport applications over several hunderd meters at a maximum speed of 25km/h the permissible tyre loads are in between Loader and EM.

(2) Because of the extra heavy construction of EM tyres, following precautions should be taken when driving or towing the vehicle from site to site:
1. Vehicles must be empty during transit.
2. The tyre pressure must be increased by 30%
3. A cooling-off period should be done after each hour of journey.

■ Available

□ Planned 2002/2003

General remarks see page compactors

LOADMASTER L2/E2/G2 — ROCKMASTER L3/E3/G3