

SOLIDEAL®

MPT/DUMPER PNEUMATICS

Tyre Designation		Tread		Rim (a)		Tube	Tyre dimension (b) max. in service		Speed Series (c)	PR/d	Application	Maximum Tyre Load (kg)										
												On other vehicles (1)				On fork lifts						
												at max speed in km/h				Max. 25km/h						
Size	Type	Type	TRA	Recomm- ended	Approved		WIDTH (mm)	OD (mm)			Infl. Press bar (2)	Static	10	25	50	Infl. Press bar (2)	Load wheel	Steer wheel				
10.5 - 18	MPT	4L	I3	9 x 18	9SDC	TBLS/TT	292	927	B	8°		3.00	3750	2700	2025	1680	3.50	2700	2250			
12.5 - 18	MPT	4L	I3	11 x 18	11SDC/12SDC/12	TBLS/TT	351	1017	B	10		3.75	4250	3060	2295	1905	4.50	3060	2550			
												3.00	4500	3240	2430	2015	3.50	3240	2700			
		SL	R4	11 x 18	11SDC/12SDC/12	TBLS/TT	351	1017	B	10		3.50	4875	3510	2635	2185	4.25	3510	2925			
												3.00	4500	3240	2430	2015	3.50	3240	2700			
18 - 19.5		4L	R1 TM	14 x 19.5	11SDC/12SDC/12	TBLS/TT	351	1017	B	12		3.50	4875	3510	2635	2185	4.25	3510	2925			
												3.50	4875	3510	2635	2185	4.25	3510	2925			
		4L	R4					494	1138	A8	16	Drive (3)	4.50	6975	5850	5040	4050	5.50	6435	5400		
													16									
10.5 - 20	MPT	4L	I3	9 x 20	9SDC	TBLS/TT	292	977	B	10		3.75	4500	3240	2430	2015	4.25	3240	2700			
12.5 - 20	MPT	4L	I3	11 x 20	11SDC/12SDC/12	TBLS/TT	351	1067	B	10°		3.00	4625	3330	2500	2070	3.50	3330	2775			
												3.50	5000	3600	2700	2240	4.25	3600	3000			
14.5 - 20	MPT	4L	I3	11 x 20	11SDC/12SDC/12	TBLS/TT	383	1124	B	10		2.50	5000	3600	2700	2240	3.00	3600	3000			
												3.00	5450	3925	2945	2440	3.60	3925	3270			
												3.50	5900	4250	3185	2645	4.25	4250	3540			
18 - 22.5		4L	R1 TM	14 x 22.5		TBLS/TT	494	1214	A8	16	Drive (3)	4.50	7520	6305	5430	4365	5.50	6935	5820			
405/70-20 (16/70-20)	MPT	4L	I3	13 x 20	13SDC	TBLS/TT	451	1121	A8	12	Free (3)	3.00		5695	4830	4105	3105	4.75	4935	4140		
											Drive (3)	3.00		5695	4830	4105	3105	4.75	4935	4140		
											14	Free (3)	3.50	6190	5250	4465	3375	5.50	5365	4500		
											Drive (3)	3.50	6190	5250	4465	3375	5.50	5365	4500			
											16°	Free (3)	4.00	6600	5600	4760	3600	6.25	5720	4800		
		4L	R1									10°	Free (3)	3.00	5695	4830	4105	3105	4.75	4935	4140	
													Drive (3)	3.00	5695	4830	4105	3105	4.75	4935	4140	
													12	Free (3)	3.00	5695	4830	4105	3105	4.75	4935	4140
													Drive (3)	3.00	5695	4830	4105	3105	4.75	4935	4140	
													14	Free (3)	3.50	6190	5250	4465	3375	5.50	5365	4500
405/70-24 (16/70-24)	MPT	4L	I3	13 x 24	13SDC	TBLS/TT	451	1223	A8	14	Free (3)	3.50	6600	5600	4760	3600	4.50	5720	4800			
											Drive (3)	3.50	6600	5600	4760	3600	4.50	5720	4800			
		4L	R1									14	Free (3)	3.50	6600	5600	4760	3600	4.50	5720	4800	
													Drive (3)	3.50	6600	5600	4760	3600	4.50	5720	4800	
15.5/80-24	MPT	4L	R1	13 x 24	W12/W13/W14L	TBLS/TT	414	1293	A8	10°	Free (3)	2.50	6190	5250	4465	3375	5.00	5365	4500			
											Drive (3)	2.50	6190	5250	4465	3375	5.00	5365	4500			
											12	Free (3)	3.00	6805	5775	4910	3715	4.00	5900	4950		
											Drive (3)	3.00	6805	5775	4910	3715	4.00	5900	4950			
											14	Free (3)	3.50	7425	6300	5355	4050	4.50	6435	5400		
											Drive (3)	3.50	7425	6300	5355	4050	4.50	6435	5400			
16.5/85-24	MPT	4L	R1	13 x 24	W13/W14/LW15L	TBLS/TT	438	1380	A8	8	Free (3)	1.90	6190	5250	4465	3375	2.90	5365	4500			
											Drive (3)	1.90	6190	5250	4465	3375	2.90	5365	4500			
											12	Free (3)	2.80	7630	6475	5505	4165	3.80	6615	5550		
											Drive (3)	2.80	7630	6475	5505	4165	3.80	6615	5550			
											14	Free (3)	3.30	8500	7210	6130	4635	4.30	7365	6180		
											Drive (3)	3.30	8500	7210	6130	4635	4.30	7365	6180			
10.0/75-15.3	DUMPER	4L	R4	9 x 15.3		TBLS/TT	277	800	A8	8	Free (3)	3.10	2245	1905	1620	1225	4.25	1945	1630			
											Drive (3)	3.10	2245	1905	1620	1225	4.25	1945	1630			
		4L	R1								8	Free (3)	3.10	2245	1905	1620	1225	4.25	1945	1630		
												Drive (3)	3.10	2245	1905	1620	1225	4.25	1945	1630		
		4L	R4									10°	Free (3)	3.90	2560	2170	1845	1395	5.25	2215	1860	
													Drive (3)	3.90	2560	2170	1845	1395	5.25	2215	1860	
11.5/80-15.3	DUMPER	4L	R4	9 x 15.3		TBLS/TT	305	891	A8	8°	Free (3)	2.70	2805	2380	2025	1530	3.75	2430	2040			
											Drive (3)	2.70	2805	2380	2025	1530	3.75	2430	2040			
		4L	R1								8	Free (3)	2.70	2805	2380	2025	1530	3.75	2430	2040		
												Drive (3)	2.70	2805	2380	2025	1530	3.75	2430	2040		
		4L	R4									10	Free (3)	3.40	3220	2730	2320	1755	4.75	2790	2340	
													Drive (3)	3.40	3220	2730	2320	1755	4.75	2790	2340	
		4L	R4										14	Free (3)	4.75	3475	3400	2890	2185	6.00	3475	2915
														Drive (3)	4.75	3475	3400	2890	2185	6.00	3475	2915

Specific remarks

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



SLR4 TRACTIONMASTER 4L R1 4L I3/R4 TRACTIONMASTER R4

SOLIDEAL®

BACKHOE PNEUMATICS

Tyre designation		Tread pattern		Rim (a)		Tube	Tyre dimension max. in service (b)		Speed Symbol (c)	PR (d)	Application (1)	Inflation Pressure (2)	Maximum load versus speed (kg)					
Size	Type	Type	TRA	Recommended	Approved		Width (mm)	O.D. (mm)				bar	0km/h	15km/h	25km/h	30km/h	40km/h	50km/h
11L-15SL	IMP	MR	F3	8LBx15	10LBx15	TBLS	305	847	B	8		2.50	2300					1150
11L-15SL	IMP	MR	F3	8LBx15	10LBx15	TBLS	305	847	B	10		3.00	2640					1320
11L-16SL	IMP	MR	F3	8LBx16	W8L,10LB,W10Lx16	TBLS	305	873	B	10		3.00	2720					1360
11L-16SL	IMP	MR	F3	8LBx16	W8L,10LB,W10Lx16	TBLS	305	873	B	12		3.60	3110					1555
14.5/75-16.1SL	AGRI	MR	F3	W11Cx16.1		TBLS	373	940	A8	10		2.80	4350	2175	1855	1610	1450	
10.5/80-18	IMP	SL	R4	W9x18	W8x18,9x18	TBLS	288	930	A6	10	Drive	3.70	3220	1645	1455	1360	1225	
									A6		Free Rolling (3)	3.70	3220	2360	2085	1950	1755	
10.5/80-18	IMP	SL	R4	W9x18	W8x18,9x18	TBLS	288	930	A6	12	Drive	4.40	3500	1815	1605	1500	1350	
									A6		Free Rolling (3)	4.40	3500	2565	2270	2120	1910	
12.5/80-18	IMP	SL	R4	W9x18	11x18	TBLS	322	1014	A6	10	Drive	3.10	4010	2055	1820	1700	1530	
									A6		Free Rolling (3)	3.10	4010	2940	2600	2430	2185	
12.5/80-18	IMP	SL	R4	W9x18	11x18	TBLS	322	1014	A6	12	Drive	3.70	4375	2240	1980	1850	1665	
									A6		Free Rolling (3)	3.70	4375	3205	2835	2650	2385	
12.5/80-18	IMP	SL	R4	W9x18	11x18	TBLS	322	1014	A6	14	Drive	4.30	5000	2565	2270	2120	1910	
									A6		Free Rolling (3)	4.30	5000	3665	3240	3030	2725	
12.5/80-18	IMP	4L	R1	W9x18	11x18	TBLS	322	1014	A6	12	Drive	3.70	4375	2240	1980	1850	1665	
									A6		Free Rolling (3)	3.70	4375	3205	2835	2650	2385	
14.9-24	IND	SL	R4	W13x24	W11x24,W12x24	TBLS	409	1279	A8	6°	Cyclic (4)	1.70	4485	2815	2165	2085	1950	1775
									A8		Constant (5)	1.70	4485	2205	2065	2030	1950	1775
14.9-24	IND	SL	R4	W13x24	W11x24,W12x24	TBLS	409	1279	A8	8	Cyclic (4)	2.10	5290	3080	2555	2460	2300	2095
									A8		Constant (5)	2.10	5290	2600	2440	2390	2300	2095
14.9-24	IND	SL	R4	W13x24	W11x24,W12x24	TBLS	409	1279	A8	12	Cyclic (4)	2.90	6670	3885	3220	3105	2900	2640
									A8		Constant (5)	2.90	6670	3275	3075	3015	2900	2640
16.9-24	IND	SL	R4	W15Lx24	W14Lx24	TBLS	464	1351	A8	8	Cyclic (4)	1.90	6095	3550	2940	2835	2650	2410
									A8		Constant (5)	1.90	6095	2995	2810	2755	2650	2410
16.9-24	IND	SL	R4	W15Lx24	W14Lx24	TBLS	464	1351	A8	10	Cyclic (4)	2.20	6900	4020	3330	3210	3000	2730
									A8		Constant (5)	2.20	6900	3390	3180	3120	3000	2730
16.9-24	IND	SL	R4	W15Lx24	W14Lx24	TBLS	464	1351	A8	12	Cyclic (4)	2.60	7475	4355	3610	3480	3250	2960
									A8		Constant (5)	2.60	7475	3675	3445	3380	3250	2960
17.5L-24	IND	SL	R4	W15Lx24	W14Lx24	TBLS	480	1278	A8	6	Cyclic (4)	1.40	4600	2680	2220	2140	2000	1820
									A8		Constant (5)	1.40	4600	2260	2120	2080	2000	1820
17.5L-24	IND	SL	R4	W15Lx24	W14Lx24	TBLS	480	1278	A8	8	Cyclic (4)	1.70	5590	3255	2695	2600	2430	2210
									A8		Constant (5)	1.70	5590	2745	2575	2525	2430	2210
17.5L-24	IND	SL	R4	W15Lx24	W14Lx24	TBLS	480	1278	A8	10	Cyclic (4)	2.20	6440	3750	3110	2995	2800	2550
									A8		Constant (5)	2.20	6440	3165	2970	2910	2800	2550
17.5L-24	IND	SL	R4	W15Lx24	W14Lx24	TBLS	480	1278	A8	12	Cyclic (4)	2.60	7475	4355	3610	3480	3250	2960
									A8		Constant (5)	2.60	7475	3675	3445	3380	3250	2960
17.5L-24	IND	4L	R1	W15Lx24	W14Lx24	TBLS	480	1278	A8	10	Cyclic (4)	2.20	6440	3750	3110	2995	2800	2550
									A8		Constant (5)	2.20	6440	3165	2970	2910	2800	2550
19.5L-24	IND	SL	R4	W16Lx24	DW16A,W15Lx24	TBLS	535	1356	A8	8	Cyclic (4)	1.70	6270	3650	3025	2915	2725	2480
									A8		Constant (5)	1.70	6270	3080	2890	2835	2725	2480
19.5L-24	IND	SL	R4	W16Lx24	DW16A,W15Lx24	TBLS	535	1356	A8	10	Cyclic (4)	1.90	7075	4120	3415	3290	3075	2800
									A8		Constant (5)	1.90	7075	3475	3260	3200	3075	2800
19.5L-24	IND	SL	R4	DW16Ax24	W16Lx24	TBLS	535	1356	A8	12	Cyclic (4)	2.30	7935	4625	3830	3690	3450	3140
									A8		Constant (5)	2.30	7935	3900	3665	3590	3450	3140
19.5L-24	IND	SL	R4	DW16Ax24	W16Lx24	TBLS	535	1356	A8	14°	Cyclic (4)	2.60	8915	5195	4300	4145	3875	3525
									A8		Constant (5)	2.60	8915	4380	4110	4030	3875	3525
21L-24	IND	SL	R4	W18Lx24	DW18Ax24	TBLS	576	1424	A8	10	Cyclic (4)	1.80	7705	4490	3720	3585	3350	3050
									A8		Constant (5)	1.80	7705	3785	3550	3485	3350	3050
21L-24	IND	SL	R4	DW18Ax24	W18Lx24	TBLS	576	1424	A8	12	Cyclic (4)	2.20	8915	5195	4300	4145	3875	3525
									A8		Constant (5)	2.20	8915	4380	4110	4030	3875	3525
21L-24	IND	SL	R4	DW18Ax24	W18Lx24	TBLS	576	1424	A8	16	Cyclic (4)	2.80	10350	6030	4995	4815	4500	4095
									A8		Constant (5)	2.80	10350	5085	4770	4680	4500	4095
18.4-26	IND	SL	R4	W16Lx26	DW16A,W15Lx26	TBLS/TT	505	1523	A8	12	Cyclic (4)	2.50	9200	5360	4440	4280	4000	3640
									A8		Constant (5)	2.50	9200	4520	4240	4160	4000	3640
18.4-26	IND	4L	R1	W16Lx26	DW16A,W15Lx26	TBLS/TT	505	1523	A8	12	Cyclic (4)	2.50	9200	5360	4440	4280	4000	3640
									A8		Constant (5)	2.50	9200	4520	4240	4160	4000	3640
16.9-28	IND	SL	R4	W15Lx28	W14Lx28	TBLS/TT	464	1452	A8	8	Cyclic (4)	1.90	6670	3885	3220	3105	2900	2640
									A8		Constant (5)	1.90	6670	3275	3075	3015	2900	2640
16.9-28	IND	SL	R4	W15Lx28	W14Lx28	TBLS/TT	464	1452	A8	10	Cyclic (4)	2.20	7245	4220	3495	3370	3150	2865
									A8		Constant (5)	2.20	7245	3560	3340	3275	3150	2865
16.9-28	IND	SL	R4	W15Lx28	W14Lx28	TBLS/TT	464	1452	A8	12	Cyclic (4)	2.60	8165	4755	3940	3800	3550	3230
									A8		Constant (5)	2.60	8165	4010	3765	3690	3550	3230
16.9-28	IND	4L	R1	W15Lx28	W14Lx28	TBLS/TT	464	1452	A8	12	Cyclic (4)	2.60	8165	4755	3940	3800	3550	3230
									A8		Constant (5)	2.60	8165	4010	3765	3690	3550	3230
18.4-28	IND	SL	R4	W16Lx28	W15Lx28	TBLS/TT	504	1500	A8	10°	Cyclic (4)	2.10	8165	4755	3940	3800	3550	3230
									A8		Constant (5)	2.10	8165	4010	3765	3690	3550	3230
18.4-28	IND	SL	R4	W16Lx28	W15Lx28	TBLS/TT	504	1500	A8	12	Cyclic (4)	2.50	9490	5530	4580	4415	4125	3755
									A8		Constant (5)	2.50	9490	4660	4375	4290	4125	3755
16.9-30	IND	SL	R4			TBLS/TT			A8	10°	Cyclic (4)							
									A8		Constant (5)							

- Specific remarks
- (1) For loads and inflation pressures on agricultural tractors consult Tweco N.V. (except for 14.5/75-16, 1 SL Agri).
 - (2) Maximum inflation pressures for the sizes and ply ratings shown are the maximum shipping pressures as well. Lower inflation pressures may be used at lower loads, please consult Tweco N.V.
 - (3) For tractor steering wheels: load is 80% of free rolling load.
 - (4) Cyclic application means that the minimum load does not exceed 60% of the maximum rated tyre load and vehicle operates over unimproved but generally level terrain, 5 km/h load valid for maximum one way distance of 150m, 10km/h value valid for maximum one way distance of 600 m.
 - (5) Constant load or regular application.

General remarks see page compactors



SLR4

MRF 3

TRACTIONMASTER
4L R1

SOLIDEAL®

GRADER G2/L2 PNEUMATICS

GEOMETRICAL DATA											
Tyre designation		PR (ø)	Tread pattern		RIM (ø)			Tube	Tyre dimension max. in service (ø)		Speed Symbol (ø)
Size	Type		Type	TRA	Recommended	Approved			Width (mm)	OD (mm)	
13.00-24	TG	10°	SL	G2/L2	8.00TG	10.00VA	9.00DC	TBLS/TT	366	1298	A8/A2
13.00-24	TG	12	SL	G2/L2	8.00TG	10.00VA	9.00DC	TBLS/TT	366	1298	A8/A2
13.00-24	TG	14	SL	G2/L2	8.00TG	10.00VA		TBLS/TT	366	1298	A8/A2
13.00-24	TG	16	SL	G2/L2	10.00VA			TBLS/TT	366	1298	A8/A2
13.00-24	TG	12°	LM	L3	8.00TG	10.00VA	9.00DC	TBLS/TT	366	1298	A8/A2
13.00-24	TG	16°	LM	L3	10.00VA			TBLS/TT	366	1298	A8/A2
14.00-24	TG	10°	SL	G2/L2	8.00TG	10.00VA	9.00DC	TBLS/TT	398	1370	A8/A2
14.00-24	TG	12	SL	G2/L2	8.00TG	10.00VA	9.00DC	TBLS/TT	398	1370	A8/A2
14.00-24	TG	14	SL	G2/L2	8.00TG	10.00VA		TBLS/TT	398	1370	A8/A2
14.00-24	TG	16	SL	G2/L2	10.00VA			TBLS/TT	398	1370	A8/A2
14.00-24	TG	12°	LM	L3	8.00TG	10.00VA	9.00DC	TBLS/TT	398	1370	A8/A2
14.00-24	TG	16°	LM	L3	10.00VA			TBLS/TT	398	1370	A8/A2

OFF-THE-ROAD TRACTOR AND GRADER SERVICE G2											
MAX SPEED 40KM/H			SPEED SYMBOL A8				DISTANCE UNLIMITED				
Tyre Size	LOAD LIMITS AT COLD INFLATION PRESSURES										
	bar	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50
13.00-24	kg	1700	1900	2060	2240	2360(10)	2500	2650	2725(12)	2800(14)	2900(16)
14.00-24	kg	2060	2300	2500	2650	2800	3075(12)	3250	3450(14)	3550	3650(16)

OFF-THE-ROAD SLOW SPEED SERVICE L2													
MAX SPEED 10KM/H				SPEED SYMBOL A2				DISTANCE UP TO 75 m ONE WAY					
Tyre Size	LOAD LIMITS AT COLD INFLATION PRESSURES												
	bar	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00
13.00-24	kg	4500	4750	5000(10)	5150	5300	5600(12)	5600	5800	6000(14)	6150	6300	6500(16)
14.00-24	kg	5450	5600(10)	6000	6150	6300(12)	6500	6700(14)	6900	7100	7300(16)		

- Specific remarks:
- (1) Figures in parentheses denote ply rating for which bold face loads and inflations are maximum.
 - (2) For maintenance work on established highways, inflation pressures may be increased 50% if desired with no increase in loads.
 - (3) Road Lope (Bounce) is a natural phenomenon in motor graders occurring at resonant speeds. The best ride results are achieved by setting the cold inflation pressure to match the actual load per tyre. Design load distribution for OE graders tend to be 1/3 front and 2/3 rear, but attachments might have a pronounced effect on the weight balance.

General remarks: see page compactors



LM/L3

SL G2/L2

SOLIDEAL®

EXCAVATOR PNEUMATICS

Type-Size	PR	Tread Type	Rim (a)		Tube	Valve	Flap	Tyre dimension max. in service (b)		Speed Symbol (c)	Load capacity (kg) (1)					
			Recom-mended	Appro-ved				On all surfaces			On improved surfaces					
								STATIC	CREEP (2)		0-3 km/h (3)	10 km/h (3)	25 km/h (3)	45 km/h (3)		
8.25-20	12	WL	6.50	7.00	8.25/9.00-20	V03-02-14	8.25/9.00/10.00/12.00-20	248	985	B	5555	4660	3315	2865	2365	2115
											7.50 bar		7.00 bar		6.50 bar	
8.25-20	14	WL	6.50	7.00	8.25/9.00-20	V03-02-14	8.25/9.00/10.00/12.00-20	248	985	B	6105	5120	3645	3150	2600	2325
											9.00 bar		8.00 bar		7.50 bar	
9.00-20	14	WL	7.00	6.50/7.50	8.25/9.00-20	V03-02-14	8.25/9.00/10.00/12.00-20	279	1043	B	6990	5860	4170	3605	2975	2660
											8.50 bar		7.50 bar		7.00 bar	
10.00-20	14	WL	7.50	7.0/8.0	10.00/11.00-20	V03-02-14	8.25/9.00/10.00/12.00-20	297	1079	B	7455	6255	4450	3850	3175	2840
											7.50 bar		7.00 bar		6.00 bar	
10.00-20	16	WL	7.50	7.0/8.0	10.00/11.00-20	V03-02-14	8.25/9.00/10.00/12.00-20	297	1079	B	8215	6890	4900	4240	3500	3125
											8.50 bar		8.00 bar		7.50 bar	
11.00-20	16	WL	8.00	8.50	10.00/11.00-20	V03-02-14	8.25/9.00/10.00/12.00-20	314	1109	B	8700	7300	5200	4500	3700	3300
											8.50 bar		7.75 bar		7.00 bar	

Specific remarks

- (1) a) - Inflation pressure must be respected according to speed condition.
b) - For special operating conditions, cold inflation pressures may be increased up to 0.75 bar (not to exceed the maximum capacity of the rim) with no increase of the loads.
- (2) Creep - Motion for not over 200 meters in a 30 minute period.
- (3) Maximum travel time 3 hours, minimum stopping time to permit cooling 1/2 hour, on improved surfaces only.

General remarks

see page compactors



WL

SOLIDEAL®

COMPACTOR PNEUMATICS

Tyre Size	Tread pattern		PR (d)	Rim (a)		Tube	Valve	Flap	Tyre dimension max. in service (b)		Speed Symbol (c)	Inflation Pressure (f) bar	Maximum load versus speed (kg) (i)	
	Type	TRA		Recommended	Approved				Width (mm)	O.D. (mm)			10 km/h	15 km/h
7.50-15 NHS	SM	C1	6	6.00	6.50	700/750/815-15	TR75A	7.00/7.50/8.25-15	232	834	A3	3.50	1730	1385
7.50-15 NHS	SM	C1	10 ²	6.00	6.50	700/750/815-15	TR75A	7.00/7.50/8.25-15	232	834	A3	6.00	2280	1825
7.50-15 NHS	SM	C1	12	6.00	6.50	700/750/815-15	TR75A	7.00/7.50/8.25-15	232	834	A3	7.50	2615	2090
7.50-15 NHS	SM	C1	14	6.00	6.50	700/750/815-15	TR75A	7.00/7.50/8.25-15	232	834	A3	8.50	2835	2270
8.50/90-15K	SM	C1	6	6.00G/6LB/6L	5.50F(+TUBE)	TBLS	-	-	237	806	A3	3.50	1770	1400
11.00-20	SM	C1	12 ²	8.00	8.50	10.00/11.00-20	V3-02-14	8.25/9.00/10.00/11.00/12.00-20	317	1117	A3	5.60	4710	3900
11.00-20	SM	C1	16	8.00	8.50	10.00/11.00-20	V3-02-14	8.25/9.00/10.00/11.00/12.00-20	317	1117	A3	7.40	5445	4355
11.00-20	SM	C1	18	8.00	8.50	10.00/11.00-20	V3-02-14	8.25/9.00/10.00/11.00/12.00-20	317	1117	A3	8.40	5900	4720

Specific remarks (f) Loads and inflation pressures are given for specific speeds for compactor service at unlimited distance.

General remarks (a) - Rim dimensions are standardized by TRA, ETRTO or JATMA for size and contour only. Particular tyre and rim combinations are designated to assure proper mounting and fit of the tyre to the rim. The load and cold inflation pressure imposed on the rim and wheel must not exceed the rim and wheel manufacturers recommendation even though the tyre may be approved for a higher load or inflation pressure. Rims and wheels may be identified (stamped) with a maximum load and maximum cold inflating rating. For rims and wheels not so identified or for service conditions exceeding the rated capacities, consult the rim and wheel manufacturer to determine rim and wheel capacities for the intended service.

- Safety warning - Use only properly adapted rims recommended by rim manufacturers for maximum psi - Tyre to rim assembly should be done by trained persons using the necessary precautions like locking restrainer and remote inflator. Under/over inflation may result in tyre failure causing fatal bodily injury - Release air pressure fully before demounting tyre.

- (b) The sizes given are according to TRA/ETRTO or JATMA, where available, for use by vehicle manufacturers in designing for tyre clearances. For correct sizes, static loaded radii, rolling circumference values and inflation pressure recommendations, please consult the technical department.
- (c) The speed symbol indicates the maximum speed at which the load given by the load index applies. Higher speeds are allowed but at lower loads. Please consult the technical department.

Speed Symbol	Speed (km/h)
A2	10
A3	15
A5	25
A6	30
A7	35
A8	40
B	50

(d) * Planned

- (e) Some useful conversions
 1 km/h = 0.622 mph
 1 kg = 0.454 lbs
 1 bar = 100 kPa = 0.1 Mpa
 1 bar = 0.98 kg/cm²
 1 bar = 14.5 psi



SM C1

SOLIDEAL®

WHEEL LOADER PNEUMATICS

Tyre designation	Tread			Application (1) (2)	Speed Symbol (3)	Rim (4)		Tyre dimension (5) max. in service			PR (6)	Maximum Tyre Load (kg) versus inflation pressure (bar)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	L1/E1 L2/E2	L3/E3	L4/E4			L5/E5	L6/E6	L7/E7	L8/E8	L9/E9		L10/E10	L11/E11	L12/E12	L13/E13	L14/E14	L15/E15	L16/E16	L17/E17	L18/E18	L19/E19	L20/E20	L21/E21	L22/E22	L23/E23	L24/E24	L25/E25	L26/E26	L27/E27	L28/E28	L29/E29	L30/E30	L31/E31	L32/E32	L33/E33	L34/E34	L35/E35	L36/E36	L37/E37	L38/E38	L39/E39	L40/E40	L41/E41	L42/E42	L43/E43	L44/E44	L45/E45	L46/E46	L47/E47	L48/E48	L49/E49	L50/E50	L51/E51	L52/E52	L53/E53	L54/E54	L55/E55	L56/E56	L57/E57	L58/E58	L59/E59	L60/E60	L61/E61	L62/E62	L63/E63	L64/E64	L65/E65	L66/E66	L67/E67	L68/E68	L69/E69	L70/E70	L71/E71	L72/E72	L73/E73	L74/E74	L75/E75	L76/E76	L77/E77	L78/E78	L79/E79	L80/E80	L81/E81	L82/E82	L83/E83	L84/E84	L85/E85	L86/E86	L87/E87	L88/E88	L89/E89	L90/E90	L91/E91	L92/E92	L93/E93	L94/E94	L95/E95	L96/E96	L97/E97	L98/E98	L99/E99	L100/E100	L101/E101	L102/E102	L103/E103	L104/E104	L105/E105	L106/E106	L107/E107	L108/E108	L109/E109	L110/E110	L111/E111	L112/E112	L113/E113	L114/E114	L115/E115	L116/E116	L117/E117	L118/E118	L119/E119	L120/E120	L121/E121	L122/E122	L123/E123	L124/E124	L125/E125	L126/E126	L127/E127	L128/E128	L129/E129	L130/E130	L131/E131	L132/E132	L133/E133	L134/E134	L135/E135	L136/E136	L137/E137	L138/E138	L139/E139	L140/E140	L141/E141	L142/E142	L143/E143	L144/E144	L145/E145	L146/E146	L147/E147	L148/E148	L149/E149	L150/E150	L151/E151	L152/E152	L153/E153	L154/E154	L155/E155	L156/E156	L157/E157	L158/E158	L159/E159	L160/E160	L161/E161	L162/E162	L163/E163	L164/E164	L165/E165	L166/E166	L167/E167	L168/E168	L169/E169	L170/E170	L171/E171	L172/E172	L173/E173	L174/E174	L175/E175	L176/E176	L177/E177	L178/E178	L179/E179	L180/E180	L181/E181	L182/E182	L183/E183	L184/E184	L185/E185	L186/E186	L187/E187	L188/E188	L189/E189	L190/E190	L191/E191	L192/E192	L193/E193	L194/E194	L195/E195	L196/E196	L197/E197	L198/E198	L199/E199	L200/E200	L201/E201	L202/E202	L203/E203	L204/E204	L205/E205	L206/E206	L207/E207	L208/E208	L209/E209	L210/E210	L211/E211	L212/E212	L213/E213	L214/E214	L215/E215	L216/E216	L217/E217	L218/E218	L219/E219	L220/E220	L221/E221	L222/E222	L223/E223	L224/E224	L225/E225	L226/E226	L227/E227	L228/E228	L229/E229	L230/E230	L231/E231	L232/E232	L233/E233	L234/E234	L235/E235	L236/E236	L237/E237	L238/E238	L239/E239	L240/E240	L241/E241	L242/E242	L243/E243	L244/E244	L245/E245	L246/E246	L247/E247	L248/E248	L249/E249	L250/E250	L251/E251	L252/E252	L253/E253	L254/E254	L255/E255	L256/E256	L257/E257	L258/E258	L259/E259	L260/E260	L261/E261	L262/E262	L263/E263	L264/E264	L265/E265	L266/E266	L267/E267	L268/E268	L269/E269	L270/E270	L271/E271	L272/E272	L273/E273	L274/E274	L275/E275	L276/E276	L277/E277	L278/E278	L279/E279	L280/E280	L281/E281	L282/E282	L283/E283	L284/E284	L285/E285	L286/E286	L287/E287	L288/E288	L289/E289	L290/E290	L291/E291	L292/E292	L293/E293	L294/E294	L295/E295	L296/E296	L297/E297	L298/E298	L299/E299	L300/E300	L301/E301	L302/E302	L303/E303	L304/E304	L305/E305	L306/E306	L307/E307	L308/E308	L309/E309	L310/E310	L311/E311	L312/E312	L313/E313	L314/E314	L315/E315	L316/E316	L317/E317	L318/E318	L319/E319	L320/E320	L321/E321	L322/E322	L323/E323	L324/E324	L325/E325	L326/E326	L327/E327	L328/E328	L329/E329	L330/E330	L331/E331	L332/E332	L333/E333	L334/E334	L335/E335	L336/E336	L337/E337	L338/E338	L339/E339	L340/E340	L341/E341	L342/E342	L343/E343	L344/E344	L345/E345	L346/E346	L347/E347	L348/E348	L349/E349	L350/E350	L351/E351	L352/E352	L353/E353	L354/E354	L355/E355	L356/E356	L357/E357	L358/E358	L359/E359	L360/E360	L361/E361	L362/E362	L363/E363	L364/E364	L365/E365	L366/E366	L367/E367	L368/E368	L369/E369	L370/E370	L371/E371	L372/E372	L373/E373	L374/E374	L375/E375	L376/E376	L377/E377	L378/E378	L379/E379	L380/E380	L381/E381	L382/E382	L383/E383	L384/E384	L385/E385	L386/E386	L387/E387	L388/E388	L389/E389	L390/E390	L391/E391	L392/E392	L393/E393	L394/E394	L395/E395	L396/E396	L397/E397	L398/E398	L399/E399	L400/E400	L401/E401	L402/E402	L403/E403	L404/E404	L405/E405	L406/E406	L407/E407	L408/E408	L409/E409	L410/E410	L411/E411	L412/E412	L413/E413	L414/E414	L415/E415	L416/E416	L417/E417	L418/E418	L419/E419	L420/E420	L421/E421	L422/E422	L423/E423	L424/E424	L425/E425	L426/E426	L427/E427	L428/E428	L429/E429	L430/E430	L431/E431	L432/E432	L433/E433	L434/E434	L435/E435	L436/E436	L437/E437	L438/E438	L439/E439	L440/E440	L441/E441	L442/E442	L443/E443	L444/E444	L445/E445	L446/E446	L447/E447	L448/E448	L449/E449	L450/E450	L451/E451	L452/E452	L453/E453	L454/E454	L455/E455	L456/E456	L457/E457	L458/E458	L459/E459	L460/E460	L461/E461	L462/E462	L463/E463	L464/E464	L465/E465	L466/E466	L467/E467	L468/E468	L469/E469	L470/E470	L471/E471	L472/E472	L473/E473	L474/E474	L475/E475	L476/E476	L477/E477	L478/E478	L479/E479	L480/E480	L481/E481	L482/E482	L483/E483	L484/E484	L485/E485	L486/E486	L487/E487	L488/E488	L489/E489	L490/E490	L491/E491	L492/E492	L493/E493	L494/E494	L495/E495	L496/E496	L497/E497	L498/E498	L499/E499	L500/E500	L501/E501	L502/E502	L503/E503	L504/E504	L505/E505	L506/E506	L507/E507	L508/E508	L509/E509	L510/E510	L511/E511	L512/E512	L513/E513	L514/E514	L515/E515	L516/E516	L517/E517	L518/E518	L519/E519	L520/E520	L521/E521	L522/E522	L523/E523	L524/E524	L525/E525	L526/E526	L527/E527	L528/E528	L529/E529	L530/E530	L531/E531	L532/E532	L533/E533	L534/E534	L535/E535	L536/E536	L537/E537	L538/E538	L539/E539	L540/E540	L541/E541	L542/E542	L543/E543	L544/E544	L545/E545	L546/E546	L547/E547	L548/E548	L549/E549	L550/E550	L551/E551	L552/E552	L553/E553	L554/E554	L555/E555	L556/E556	L557/E557	L558/E558	L559/E559	L560/E560	L561/E561	L562/E562	L563/E563	L564/E564	L565/E565	L566/E566	L567/E567	L568/E568	L569/E569	L570/E570	L571/E571	L572/E572	L573/E573	L574/E574	L575/E575	L576/E576	L577/E577	L578/E578	L579/E579	L580/E580	L581/E581	L582/E582	L583/E583	L584/E584	L585/E585	L586/E586	L587/E587	L588/E588	L589/E589	L590/E590	L591/E591	L592/E592	L593/E593	L594/E594	L595/E595	L596/E596	L597/E597	L598/E598	L599/E599	L600/E600	L601/E601	L602/E602	L603/E603	L604/E604	L605/E605	L606/E606	L607/E607	L608/E608	L609/E609	L610/E610	L611/E611	L612/E612	L613/E613	L614/E614	L615/E615	L616/E616	L617/E617	L618/E618	L619/E619	L620/E620	L621/E621	L622/E622	L623/E623	L624/E624	L625/E625	L626/E626	L627/E627	L628/E628	L629/E629	L630/E630	L631/E631	L632/E632	L633/E633	L634/E634	L635/E635	L636/E636	L637/E637	L638/E638	L639/E639	L640/E640	L641/E641	L642/E642	L643/E643	L644/E644	L645/E645	L646/E646	L647/E647	L648/E648	L649/E649	L650/E650	L651/E651	L652/E652	L653/E653	L654/E654	L655/E655	L656/E656	L657/E657	L658/E658	L659/E659	L660/E660	L661/E661	L662/E662	L663/E663	L664/E664	L665/E665	L666/E666	L667/E667	L668/E668	L669/E669	L670/E670	L671/E671	L672/E672	L673/E673	L674/E674	L675/E675	L676/E676	L677/E677	L678/E678	L679/E679	L680/E680	L681/E681	L682/E682	L683/E683	L684/E684	L685/E685	L686/E686	L687/E687	L688/E688	L689/E689	L690/E690	L691/E691	L692/E692	L693/E693	L694/E694	L695/E695	L696/E696	L697/E697	L698/E698	L699/E699	L700/E700	L701/E701	L702/E702	L703/E703	L704/E704	L705/E705	L706/E706	L707/E707	L708/E708	L709/E709	L710/E710	L711/E711	L712/E712	L713/E713	L714/E714	L715/E715	L716/E716	L717/E717	L718/E718	L719/E719	L720/E720	L721/E721	L722/E722	L723/E723	L724/E724	L725/E725	L726/E726	L727/E727	L728/E728	L729/E729	L730/E730	L731/E731	L732/E732	L733/E733	L734/E734	L735/E735	L736/E736	L737/E737	L738/E738	L739/E739	L740/E740	L741/E741	L742/E742	L743/E743	L744/E744	L745/E745	L746/E746	L747/E747	L748/E748	L749/E749	L750/E750	L751/E751	L752/E752	L753/E753	L754/E754	L755/E755	L756/E756	L757/E757	L758/E758	L759/E759	L760/E760	L761/E761	L762/E762	L763/E763	L764/E764	L765/E765	L766/E766	L767/E767	L768/E768	L769/E769	L770/E770	L771/E771	L772/E772	L773/E773	L774/E774	L775/E775	L776/E776	L777/E777	L778/E778	L779/E779	L780/E780

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 hundred 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

General remarks: see page compactors



SKZ
LIFEMASTER

LOADMASTER
L2/E2/G2

LOADMASTER
L3/E3/G3