

**TOUGH  
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LIFE**



# Construction Tires 2014

# General Reference Data

## Load index equivalences in kg and lb

LI	kg	lb	LI	kg	lb	LI	kg	lb	LI	kg	lb	LI	kg	lb	LI	kg	lb
100	1,764	800	121	3,200	1,450	142	5,840	2,650	160	9,920	4,500	181	18,190	8,250	202	33,070	15,000
101	1,819	825	122	3,310	1,500	143	6,010	2,725	161	10,200	4,625	182	18,740	8,500	203	34,180	15,500
102	1,874	850	123	3,420	1,550	144	6,170	2,800	162	10,470	4,750	183	19,290	8,750	204	35,280	16,000
103	1,929	875	124	3,530	1,600	145	6,390	2,900	163	10,750	4,875	184	19,840	9,000	205	36,380	16,500
104	1,985	900	125	3,640	1,650	146	6,610	3,000	164	11,020	5,000	185	20,390	9,250	206	37,480	17,000
105	2,040	925	126	3,750	1,700	147	6,780	3,075	165	11,350	5,150	186	20,940	9,500	207	38,590	17,500
106	2,095	950	127	3,860	1,750	148	6,950	3,150	166	11,690	5,300	187	21,500	9,750	208	39,690	18,000
110	2,337	1,060	128	3,970	1,800	149	7,170	3,250	170	13,230	6,000	188	22,050	10,000	209	40,790	18,500
111	2,403	1,090	129	4,080	1,850	150	7,390	3,350	171	13,560	6,150	189	22,710	10,300	210	41,890	19,000
112	2,470	1,120	130	4,190	1,900	151	7,610	3,450	172	13,890	6,300	190	23,370	10,600	211	43,000	19,500
113	2,536	1,150	131	4,300	1,950	152	7,830	3,550	173	14,330	6,500	191	24,030	10,900	212	44,100	20,000
114	2,602	1,180	132	4,410	2,000	153	8,050	3,650	174	14,770	6,700	192	24,690	11,200	213	45,200	20,600
115	2,679	1,215	133	4,540	2,060	154	8,270	3,750	175	15,210	6,900	193	25,360	11,500	214	46,750	21,200
116	2,756	1,250	134	4,670	2,120	155	8,540	3,875	176	15,650	7,100	194	26,020	11,800	215	48,070	21,800
117	2,833	1,285	135	4,810	2,180	156	8,820	4,000	177	16,090	7,300	195	26,790	12,150	216	49,390	22,400
118	2,911	1,320	136	4,940	2,240	157	9,090	4,125	178	16,530	7,500	196	27,560	12,500	217	50,700	23,000
119	2,999	1,360	140	5,510	2,500	158	9,370	4,250	179	17,090	7,750	200	30,870	14,000	218	52,040	23,600
120	3,090	1,400	141	5,680	2,575	159	9,650	4,375	180	17,640	8,000	201	31,970	14,500	219	53,580	24,300

## Inflation units

Inflation Pressure Units			
Kpa	Bar	Psi	kg/cm <sup>2</sup>
100	1	15	1.0
150	1.5	22	1.5
200	2	29	2
250	2.5	36	2.6
300	3	44	3.1
350	3.5	51	3.6
400	4	58	4.1
450	4.5	65	4.6
500	5	73	5.1
550	5.5	80	5.6
600	6	87	6.1
650	6.5	94	6.6
700	7	102	7.1
750	7.5	109	7.7
800	8	116	8.2
850	8.5	123	8.7
900	9	131	9.2
950	9.5	138	9.7
1000	10	145	10.2
1050	10.5	152	10.7

## Speed Index

Speed km/h	Speed index
5	A1
10	A2
15	A3
20	A4
25	A5
40	A8
50	B

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# TELEHANDLERS

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## SOLIDEAL SOLIDAIR TLH

### SOLID TIRE SOLUTION WITH PNEUMATIC COMFORT

Lug to void ratio: 40-45%

PERFORMANCE	Puncture resistance	●●●●●●●●
	Driving comfort	●●●●●
	Self cleanout	●●●●●
	Sidewall protection	●●●●●●●●
	Rim protection	●●●●●●●●

### Off-Road



#### Features

#### Benefits

Exclusive Patented Triangular Aperture Design	Maximum aperture strength, rigidity and durability
Hauler Stepped Tread Design	Maximized tread cleanout for improved traction
Innovative Tread Pattern	Improved traction and excellent tread life
Solid tire solution	Flat-free operation and ultimate durability

TIRE SIZE	RIM SIZE	ACTUAL TIRE DIMENSIONS [mm] [inches]					HEEL		LOAD CAPACITY [kg] [lb]						
									COUNTERBALANCED LIFT TRUCKS			OTHER VEHICLES			STATIC
		O.D.	O.W.	O.T.D. [mm] [32nd]	S.L.R.	R.C.	NORMAL	QUICK	LOAD WHEEL		STEERING WHEEL	6 km/h	10 km/h	25 km/h	0 km/h
									15 km/h	25 km/h					
13.00-24	8.50V-24	1290	330	70	595	4027	-	✓	8415	7650	6375	7650	6950	6375	9625
		50.8	13.0	88	23.4	158.5			18600	16900	14050	16900	15350	14050	21250
14.00-24	8.50V-24	1330	350	72	608	4164	-	✓	9305	8460	7050	8460	7685	7050	10645
		52.4	13.8	91	23.9	163.9			20550	18700	15550	18700	16950	15550	23500













# TELEHANDLERS

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## SOLIDEAL™ R4

### ON/OFF-ROAD APPLICATIONS

Lug to void ratio: 35-40%

PERFORMANCE	Puncture resistance	●●●●●
	Driving comfort	●●●●●
	Self cleanout	●●●●●●●
	Sidewall protection	●●●●●
	Rim protection	●●●●●

**Off-Road • On-Road**



### Features

### Benefits

Hauler Stepped Tread Design	Maximized tread cleanout for improved traction
Tapered Tread Lugs	Increased stability and better tread wearing
Heavy-duty Carcass	Improved side impact resistance and stability

TYRE SIZE	PR	TT / TBLS	RIM SIZE		ACTUAL TYRE DIMENSIONS [mm] [inches]					LOAD INDEX	SPEED SYMBOL	TRA CODE	SERVICE	APPLICATION	MAXIMUM TYRE LOAD [kg] [lb]							
															ON OTHER VEHICLES				ON COUNTERBALANCED LIFT TRUCKS			
															INFLATION PRESSURE [bar] [PSI]	at max speed in km/h				INFLATION PRESSURE [bar] [PSI]	max 25 km/h	
																STATIC/ CREEP	8	16	50		LOAD WHEEL	STEERING WHEEL
18-19.5 (460/65-19.5)	16	TT / TBLS	14x19.5	-	1117	454	32	505	3352	160	A8	R4	MPT	DRIVE	4.50	9090	6300	5985	4050	5.50	6435	5400
					44.0	17.9	40	19.9	132.0						64	20050	13900	13200	8950	79	14200	11900
405/70-20 (16/70-20)	14	TT / TBLS	13x20	13SDC	1074	403	27	490	3205	154	A8	R4	MPT	FREE	3.50	6190	5250	4990	3375	5.50	5365	4500
					42.3	15.9	34	19.3	126.2						50	13650	11600	11000	7450	79	11850	9950
					DRIVE	3.50	6190	3710	3525					2385	5.50	5365	4500					
18-22.5 (460/65-22.5)	16	TT / TBLS	14x22.5		1209	444	35	520	3638	163	A8	R4	MPT	DRIVE	4.50	9850	6825	6485	4390	5.50	6970	5850
					47.6	17.5	44	20.5	143.2						64	21750	15050	14300	9700	79	15400	12900
400/80-24 (15.5/80-24)	16	TBLS	13x24	DW12/DW13/ DW13L/ DW14L	1244	411	34	572	3756	156	A8	R4	MPT	CONSTANT	4.00	9200	6029	5421	4560	-	-	-
					49.0	16.2	43	22.5	147.9						57	20300	13300	11950	10050	-	-	-
					CYCLIC	4.00	9200	7341	6317					4560	-	-	-					
400/80-24 (15.5/80-24)	20	TBLS	13x24	DW12/DW13/ DW13L/ DW14L	1238	409	34	568	3771	162	A8	R4	MPT	CONSTANT	5.00	10925	6029	5421	4560	-	-	-
					48.7	16.1	43	22.4	148.5						71	24100	13300	11950	10050	-	-	-
					CYCLIC	5.00	10925	7341	6317					4560	-	-	-					
														71	24100	16200	13950	10050	-	-	-	



# TELEHANDLERS MINI-DUMPERS

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## SOLIDEAL 4L R1

**WELL SUITED FOR  
AGRICULTURAL  
WORK**

Lug to void ratio: 25-30%

<b>PERFORMANCE</b>	Puncture resistance	●●●●
	Driving comfort	●●●●●
	Self cleanout	●●●●●●●
	Sidewall protection	●●●●●
	Rim protection	●●●●●

**Off-Road**



### Features

- Progressive Tread Angle Curve
- Aggressive R1 Directional Tread Pattern
- Robust Carcass

### Benefits

- Low vibration for good driving comfort on hard surfaces
- Better soil penetration
- Improved stability and side impact resistance

TIRESIZE	PR	TT / TBLS	RIM SIZE		ACTUAL TIRE DIMENSIONS [mm] [inches]					LOAD INDEX	SPEED SYMBOL	TRA CODE	INFLATION PRESSURE [bar] [PSI]	SERVICE	APPLICATION	MAXIMUM TIRE LOAD [kg] [lb]				
			RECOM-MENDED	ALTERNA-TIVE	O.D.	O.W.	O.T.D. [mm] [32nd]	S.L.R.	R.C.							STATIC	8 km/h	16 km/h	40 km/h	50 km/h
																	5 mph	10 mph	25 mph	30 mph
12.5/80-18 (320/80-18)	12	TBLS	W9x18	11x18	989	312	30	450	3005	129	A6	R1	3.70	-	DRIVE	4375	2410	2240	1665	-
					53	9650	5300	4950	3700				-							
					38.9	12.3	38	17.7	118.3	142	A6	R1	3.70	-	FREE ROLLING	4375	3450	3205	2385	-
18-19.5 (460/65-19.5)	16	TT / TBLS	14x19.5	-	1105	448	26	480	3356	160	A8	R1	4.50	MPT	DRIVE	9090	6300	5985	-	4050
					43.5	17.6	33	18.9	132.1				64			20050	13900	13200	-	8950
405/70-20 (16/70-20)	14	TT / TBLS	13x20	13SDC	1098	410	31	474	3332	154	A8	R1	3.50	MPT	FREE	6190	5250	4990	-	3375
					50	13650	11600	11000	-				7450							
					43.2	16.1	39	18.7	131.2	142	A8	R1	3.50	MPT	DRIVE	6190	3710	3525	-	2385
18-22.5 (460/65-22.5)	16	TT / TBLS	14x22.5	13SDC	1204	441	28	497	3667	163	A8	R1	4.50	MPT	DRIVE	8005	6305	5850	-	4365
					47.4	17.4	35	19.6	144.4				64			17650	13900	12900	-	9650
405/70-24 (16/70-24)	14	TT / TBLS	13x24	W12/W13/W14L	1297	411	38	467	3852	156	A8	R1	3.50	MPT	FREE	6600	5600	5320	-	3600
					50	14550	12350	11750	-				7950							
					51.1	16.2	48	18.4	151.7	144	A8	R1	3.50	MPT	DRIVE	6600	3920	3725	-	2520
												50			14550	8650	8200	-	5550	



# TELEHANDLERS MINI-DUMPERS

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## SOLIDEAL 4L R1 (cont.)

TIRESIZE	PR	TT / TBLs	RIM SIZE		ACTUAL TIRE DIMENSIONS [mm] [inches]					LOAD INDEX	SPEED SYMBOL	TRA CODE	INFLATION PRESSURE [bar] [PSI]	SERVICE	APPLICATION	MAXIMUM TIRE LOAD [kg] [lb]			
			RECOM-MENDED	ALTERNA-TIVE	O.D.	O.W.	O.T.D. [mm] [32nd]	S.L.R.	R.C.							STATIC	8 km/h	16 km/h	50 km/h
																	5 mph	10 mph	30 mph
15.5/80-24 (400/80-24)	12	TT / TBLs	13x24	W12/W13/W14L	1297	411	38	467	3852	157	A8	R1	3.00	MPT	FREE	6805	5775	5485	3715
					51.1	16.2	48	18.4	151.7	145	A8	R1	43			15000	12750	12100	8200
					1294	402	38	459	3864	160	A8	R1	3.00	MPT	DRIVE	6805	4060	3855	2610
					50.9	15.8	48	18.1	152.1	148	A8	R1	43			15000	8950	8500	5750
15.5/80-24 (400/80-24)	14	TT / TBLs	13x24	W12/W13/W14L	1294	402	38	459	3864	160	A8	R1	3.50	MPT	FREE	7425	6300	5985	4050
					50.9	15.8	48	18.1	152.1	148	A8	R1	50			16400	13900	13200	8950
					1327	417	25	521	4026	154	A8	R1	3.50	MPT	DRIVE	7425	4410	4190	2835
					52.2	16.4	31	20.5	158.5	142	A8	R1	50			16400	9750	9250	6250
16.5/85-24 (420/85-24)	8	TT / TBLs	13x24	W13/W14L/ W15L	1327	417	25	521	4026	154	A8	R1	1.90	MPT	FREE	6190	5250	4990	3375
					52.2	16.4	31	20.5	158.5	142	A8	R1	27			13650	11600	11000	7450
					1327	428	25	516	3998	156	A8	R1	1.90	MPT	DRIVE	6190	3710	3525	2385
					52.2	16.9	31	20.3	157.4	144	A8	R1	27			13650	8200	7800	5250
16.5/85-24 (420/85-24)	14	TT / TBLs	13x24	W13/W14L/ W15L	1327	428	25	516	3998	156	A8	R1	3.30	MPT	FREE	8580	7210	6850	4635
					52.2	16.9	31	20.3	157.4	144	A8	R1	47			18950	15900	15100	10250
					797	261	22	286	2373	119	A8	R4	3.30	MPT	DRIVE	8580	5110	4855	3285
					31.4	10.3	28	11.3	93.4	106	A8	R4	47			18950	11300	10700	7250
10.0/75-15.3	8	TT / TBLs	9x15.3	-	797	261	22	286	2373	119	A8	R4	3.10	MPT	FREE	2245	1905	1810	1225
					31.4	10.3	28	11.3	93.4	106	A8	R4	44			4950	4200	4000	2700
					797	261	22	286	2373	119	A8	R4	3.10	MPT	DRIVE	2245	1330	1265	855
					31.4	10.3	28	11.3	93.4	106	A8	R4	44			4950	2950	2800	1900
11.5/80-15.3	8	TT / TBLs	9x15.3	-	853	286	24	322	2549	126	A8	R1	2.70	MPT	FREE	2805	2380	2260	1530
					33.6	11.3	30	12.7	100.4	114	A8	R1	39			6200	5250	5000	3400
					853	286	24	322	2549	126	A8	R1	2.70	MPT	DRIVE	2805	1650	1570	1060
					33.6	11.3	30	12.7	100.4	114	A8	R1	39			6200	3650	3450	2350

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Find out more at [Camoplastsolideal.com](http://Camoplastsolideal.com)  
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Authorized Distributor



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The logo for Camoplast Solideal features a stylized, white, italicized graphic of a bird or wing above the words "camoplast" and "solideal" in a white, italicized sans-serif font.

*camoplast  
solideal*