

**TOUGH
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*camoplast
solideal*

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 ²
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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BACKHOE LOADERS

**TOUGH
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SOLIDEAL BHZ

**OPTIMIZED DURABILITY
AND RIDE QUALITY ON
MIXED/HARD SURFACES**

Lug to void ratio: 55-60%

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

Off-Road • On-Road



Features

Benefits

Increased Wearable Tread Volume	Reduced ground pressure
Optimized Vibration Performance	Significantly improved ride quality on mixed and hard surfaces
Impact-resistant Tread	Protects against tread punctures

TIRESIZE	PR	TT / TBLS	RIM SIZE		ACTUAL TIRE DIMENSIONS [mm] [inches]					LOAD INDEX	SPEED SYMBOL	TRA CODE	INFLATION PRESSURE [bar] / [PSI]	APPLICATION	MAXIMUM TIRE LOAD [kg] / [lb]						
			RECOMMENDED	ALTERNATIVE	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		
12-16.5 (305/70-16.5)	12	TBLS	9.75	-	826	319	18	378	2489	145	A2	R4	5.60	-	4550	2880	2280	-	-		
					32.5	12.6	23	14.9	98.0						10050	6350	5050	-	-		
12.5/80-18 (320/80-18)	12	TBLS	W9x18	11x18	984	310	24	-	-	129	A6	R4	3.70	DRIVE	4375	2410	2240	1665	-		
					38.7	12.2	30	-	-						142	9650	5300	4950	3700	-	
					1316	503	25	-	-	151			A8	R4	2.30	CYCLIC	7935	5240	4625	3450	3140
																	33	17500	11550	10200	7600
51.8	19.8	31	-	-	151	A8	R4	2.30	CONSTANT	7935	4450	3900			3450	3140					
										33	17500	9800			8600	7600	6950				
18.4-26 (480/80-26)	12	TBLS/TT	W16Lx26	DW16A. W15Lx26	1418			482	26	-	-	156	A8	R4	2.50	CYCLIC	9200	5840	5360	4000	3640
					36			20300	12900	11850	8850						8050				
					55.8	19.0	33	-	-	156	A8	R4			2.50	CONSTANT	9200	4830	4520	4000	3640
																	36	20300	10650	10000	8850
16.9-28 (440/80-28)	12	TBLS/TT	W15Lx28	W14Lx28	1404	445	33	-	-	152			A8	R4	2.60	CYCLIC	8165	5180	3800	3550	3230
					37	18000	11450	8400	7850								7150				
					55.3	17.5	28	-	-	152	A8	R4			2.60	CONSTANT	8165	4290	3690	3550	3230
																	37	18000	9450	8150	7850



BACKHOE LOADERS

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SOLIDEAL SL R4

EXTREME DURABILITY

Lug to void ratio: 40-45%

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

Off-Road



Features

Benefits

Heavy-duty Carcass	Improved side impact resistance and stability
Higher Lug-to-Void Ratio	Increased tread life and puncture resistance
Extra Deep Tread	Enhanced tread life and traction
Hauler Stepped Tread Design	Maximized tread cleanout for improved traction

TIRESIZE	PR	TT / TBLs	RIM SIZE		ACTUAL TIRE DIMENSIONS [mm] [inches]					LOAD INDEX	SPEED SYMBOL	TRA CODE	INFLATION PRESSURE [bar] [PSI]	APPLICATION	MAXIMUM TIRE LOAD [kg] [lb]				
			RECOMMENDED	ALTERNATIVE	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
10.5/80-18	10	TBLs	W9x18	W8x18, 9x18	873	282	22	283	2550	119	A6	R4	3.70	DRIVE	3220	1770	1645	1225	-
					53	7100	3900	3650	2700				-						
					3.70	FREE ROLLING	3220	2540	2360				1755	-					
					53		7100	5600	5200				3850	-					
12.5/80-18 (320/80-18)	12	TBLs	W9x18	11x18	958	292	27	344	2836	129	A6	R4	3.70	DRIVE	4375	2410	2240	1665	-
					53	9650	5300	4950	3700				-						
					3.70	FREE ROLLING	4375	3450	3205				2385	-					
					53		9650	7600	7100				5250	-					
12.5/80-18 (320/80-18)	14	TBLs	W9x18	11x18	950	292	27	318	2823	134	A6	R4	4.30	DRIVE	4980	2760	2565	1910	-
					61	11000	6100	5650	4200				-						
					4.30	FREE ROLLING	4980	3900	3630				2700	-					
					61		11000	8600	8000				5950	-					
14.9-24 (420/70-24)	12	TBLs	W13x24	W11x24, W12x24	1238	403	30	451	3694	145	A8	R4	2.90	CYCLIC	6670	4230	3885	2900	2640
					41	14700	9350	8600	6400				5850						
					2.90	CONSTANT	6670	3500	3275				2900	2640					
					41		14700	7750	7250				6400	5850					
16.9-24 (440/80-24)	12	TBLs	W15Lx24	W14Lx24	1300	444	27	495	3846	149	A8	R4	2.60	CYCLIC	7475	4745	4355	3250	2960
					37	16500	10450	9600	7150				6550						
					2.60	CONSTANT	7475	3930	3675				3250	2960					
					37		16500	8700	8100				7150	6550					
17.5L-24 (460/70-24)	10	TBLs	W15Lx24	W14Lx24	1258	445	30	502	3716	144	A8	R4	2.20	CYCLIC	6440	4090	3750	2800	2550
					31	14200	9050	8300	6200				5650						
					2.20	CONSTANT	6440	3380	3165				2800	2550					
					31		14200	7450	7000				6200	5650					
17.5L-24 (460/70-24)	12	TBLs	W15Lx24	W14Lx24	1243	448	28	-	3728	149	A8	R4	2.60	CYCLIC	7475	4750	4355	3250	2960
					37	16500	10500	9600	7150				6550						
					2.60	CONSTANT	7475	3930	3675				3250	2960					
					37		16500	8700	8100				7150	6550					



BACKHOE LOADERS

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SOLIDEAL SL R4 (cont.)

TIRESIZE	PR	TT / TBLS	RIM SIZE		ACTUAL TIRE DIMENSIONS [mm] / [inches]					LOAD INDEX	SPEED SYMBOL	TRA CODE	INFLATION PRESSURE [bar] / [PSI]	APPLICATION	MAXIMUM TIRE LOAD [kg] / [lb]				
			RECOMMENDED	ALTERNATIVE	O.D.	O.W.	O.T.D. [mm] [32nd]	S.L.R.	R.C.						STATIC	8 km/h	16 km/h	40km/h	50 km/h
																5 mph	10 mph	25 mph	30 mph
19.5L-24 (500/70-24)	12	TBLS	W13x24	W11x24, W12x24	1221	394	25	548	3644	145	A8	R4	2.90	CYCLIC	6670	4230	3885	2900	2640
					48.1	15.5	31	21.6	143.5				41		14700	9350	8600	6400	5850
					41	CONSTANT	6670	3500	3275				2900		2640				
							14700	7750	7250				6400		5850				
19.5L-24 (500/70-24)	14	TBLS	W15Lx24	W14Lx24	1281	450	27	578	3823	149	A8	R4	2.60	CYCLIC	7475	4745	4355	3250	2960
					50.4	17.7	34	22.8	150.5				37		16500	10450	9600	7150	6550
					37	CONSTANT	7475	3930	3675				3250		2960				
							16500	8700	8100				7150		6550				
21L-24	12	TBLS	W15Lx24	W14Lx24	1243	445	25	546	3709	144	A8	R4	2.20	CYCLIC	6440	4090	3750	2800	2550
					48.9	17.5	31	21.5	146.0				31		14200	9050	8300	6200	5650
					31	CONSTANT	6440	3380	3165				2800		2550				
							14200	7450	7000				6200		5650				
18.4-26 (480/80-26)	12	TBLS	DW16Ax24	W16x24	1320	495	26	585	3978	151	A8	R4	2.30	CYCLIC	7935	5240	4625	3450	3140
					52.0	19.5	33	23.0	156.6				33		17500	11550	10200	7600	6950
					33	CONSTANT	7935	4450	3900				3450		3140				
							17500	9800	8600				7600		6950				
16.9-28 (440/80-28)	12	TBLS	DW18Ax24	W18Lx24	1377	534	28	601	4110	155	A8	R4	2.20	CYCLIC	8915	5660	5195	3875	3525
					54.2	21.0	35	23.7	161.8				31		19700	12500	11450	8550	7800
					31	CONSTANT	8915	4680	4380				3875		3525				
							19700	10350	9650				8550		7800				
18.4-28	12	TBLS/TT	W16Lx26	DW16A, W15Lx26	1449	490	26	626	4269	156	A8	R4	2.50	CYCLIC	9200	5840	5360	4000	3640
					57.0	19.3	33	24.6	168.1				36		20300	12900	11850	8850	8050
					36	CONSTANT	9200	4830	4520				4000		3640				
							20300	10650	10000				8850		8050				
16.9-30 (440/80-30)	14	TBLS/TT	W15Lx28	W14Lx28	1417	455	28	621	4224	152	A8	R4	2.60	CYCLIC	8165	5180	3800	3550	3230
					55.8	17.9	35	24.4	166.3				37		18000	11450	8400	7850	7150
					37	CONSTANT	8165	4290	3690				3550		3230				
							18000	9450	8150				7850		7150				



BACKHOE LOADERS

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SOLIDEAL SLA R4

BEST OFF-ROAD DRIVABILITY AND TRACTION

Lug to void ratio: 35-40%

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

Off-Road • On-Road



Features

- Heavy-duty Carcass
- Continuous low-void Lug Design at Centre of Tread
- Steep Multi-angle Stepped Tread

Benefits

- Improved side impact resistance and stability
- Minimizes vibrations and improved riding comfort
- Even wear and excellent tread cleanout

TIRESIZE	PR	TT / TBLS	RIM SIZE		ACTUAL TIRE DIMENSIONS [mm] [inches]					LOAD INDEX	SPEED SYMBOL	TRA CODE	INFLATION PRESSURE [bar] [PSI]	APPLICATION	MAXIMUM TIRE LOAD [kg] [lb]				
			RECOMMENDED	ALTERNATIVE	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
14.9-24 (420/70-24)	12	TBLS	W13x24	W11x24, W12x24	1221	394	25	548	3644	145	A8	R4	2.90	CYCLIC	6670	4230	3885	2900	2640
					48.1	15.5	31	21.6	143.5	145	A8	R4	41		14700	9350	8600	6400	5850
					CONSTANT	6670	3500	3275	2900	2640									
						14700	7750	7250	6400	5850									
16.9-24 (440/80-24)	12	TBLS	W15Lx24	W14Lx24	1281	450	27	578	3823	149	A8	R4	2.60	CYCLIC	7475	4745	4355	3250	2960
					50.4	17.7	34	22.8	150.5	149	A8	R4	37		16500	10450	9600	7150	6550
					CONSTANT	7475	3930	3675	3250	2960									
						16500	8700	8100	7150	6550									
17.5L-24 (460/70-24)	10	TBLS	W15Lx24	W14Lx24	1243	445	25	546	3709	144	A8	R4	2.20	CYCLIC	6440	4090	3750	2800	2550
					48.9	17.5	31	21.5	146.0	144	A8	R4	31		14200	9050	8300	6200	5650
					CONSTANT	6440	3380	3165	2800	2550									
						14200	7450	7000	6200	5650									
19.5L-24 (500/70-24)	12	TBLS	DW16Ax24	W16x24	1320	495	26	585	3978	151	A8	R4	2.30	CYCLIC	7935	5240	4625	3450	3140
					52.0	19.5	33	23.0	156.6	151	A8	R4	33		17500	11550	10200	7600	6950
					CONSTANT	7935	4450	3900	3450	3140									
						17500	9800	8600	7600	6950									
21L-24	12	TBLS	DW18Ax24	W18Lx24	1377	534	28	601	4110	155	A8	R4	2.20	CYCLIC	8915	5660	5195	3875	3525
					54.2	21.0	35	23.7	161.8	155	A8	R4	31		19700	12500	11450	8550	7800
					CONSTANT	8915	4680	4380	3875	3525									
						19700	10350	9650	8550	7800									
18.4-26 (480/80-26)	12	TBLS/TT	W16Lx26	DW16A, W15Lx26	1449	490	26	626	4269	156	A8	R4	2.50	CYCLIC	9200	5840	5360	4000	3640
					57.0	19.3	33	24.6	168.1	156	A8	R4	36		20300	12900	11850	8850	8050
					CONSTANT	9200	4830	4520	4000	3640									
						20300	10650	10000	8850	8050									
16.9-28 (440/80-28)	12	TBLS/TT	W15Lx28	W14Lx28	1417	455	28	621	4224	152	A8	R4	2.60	CYCLIC	8165	5180	3800	3550	3230
					55.8	17.9	35	24.4	166.3	152	A8	R4	37		18000	11450	8400	7850	7150
					CONSTANT	8165	4290	3690	3550	3230									
						18000	9450	8150	7850	7150									



BACKHOE LOADERS

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SOLIDEAL MR F3

OPTIMIZED STEERABILITY

Lug to void ratio: 65-70%

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

Off-Road • On-Road



Features	Benefits
Engineered Tread Pattern	Deep tread depth for enhanced longevity
Robust Carcass	Reduced crowning when inflated for excellent stability, longer life and even wear
Premium Natural Rubber Compounds	Improved cut and chunk resistance

TIRE SIZE	PR	TT / TBLS	RIM SIZE		ACTUAL TIRE DIMENSIONS [mm] [inches]					LOAD INDEX	SPEED SYMBOL	TRA CODE	INFLATION PRESSURE [bar] [PSI]	MAXIMUM TIRE LOAD [kg] [lb]				
			RECOMMENDED	ALTERNATIVE	O.D.	O.W.	O.T.D. [mm] []	S.L.R.	R.C.					STATIC	8 km/h	16 km/h	40km/h	50 km/h
															5 mph	10 mph	25 mph	30 mph
11L-15SL	10	TBLS	8LBx15	10LBx15	768	280	13.5	362	2397	118	B	F3	3.00	2640	-	-	-	1320
					30.2	11.0	17	14.3	94.4					43	5850	-	-	-
11L-16SL	12	TBLS	8LBx16	W8L 10LB W10Lx16	802	262	13.5	358	2397	123	B	F3	3.60	3110	-	-	-	1555
					31.6	10.3	17	14.1	94.4					51	6850	-	-	-
14.5/75-16.1SL	10	TBLS	W11Cx16.1		940	361	17	417	2706	121	A8	F3	2.80	4350	2480	2175	1450	-
					37.0	14.2	21	16.4	106.5					40	9600	5450	4800	3200

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