

SOLIDEAL MAGNUM SMOOTH



IMPERIAL UNIT

PRESS-ON
TIRES



DURABILITY YOU CAN RELY ON.

Made with high-performance, natural rubber compounds. Resists chunking and cutting in the most demanding applications, while delivering maximum life and stability.

PERFORMANCE

Durability



Energy Savings



Tire Life



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**ROAD
FREE
COMPANY**

FORMERLY
CAMOPLAST
SOLIDEAL

SOLIDEAL MAGNUM SMOOTH

TIRE SIZE ⁽¹⁾	ACTUAL TIRE DIMENSIONS			LOAD CAPACITY ⁽²⁾ Counterbalanced lift trucks (lbs)					
	OVERALL DIAMETER	OVERALL WIDTH	REPLACEMENT OVERALL DIAMETER ⁽³⁾	6 mph		10 mph		16 mph	
				LOAD WHEEL	STEERING WHEEL	LOAD WHEEL	STEERING WHEEL	LOAD WHEEL	STEERING WHEEL
	(in)	(in)	(in)						
9 x 5 x 5	9.0	5.0	7.9	2116	1742	1885	1587	1532	1257
10 x 4 x 6 1/4	9.9	4.0	8.9	1731	1422	1543	1301	1257	1025
10 x 5 x 6 1/4	10.0	5.0	8.9	2260	1863	2017	1698	1642	1345
10 x 4 x 6 1/2	10.0	4.0	9.0	1720	1411	1532	1290	1246	1025
10 x 4 3/4 x 6 1/2	10.0	4.8	9.0	2094	1720	1863	1565	1521	1246
10 x 4 15/16 x 6 1/2	10.1	4.9	9.1	2238	1841	1995	1675	1620	1334
10 x 5 x 6 1/2	10.0	5.0	9.0	2238	1841	1995	1675	1620	1334
10 1/2 x 5 x 6 1/2	10.5	5.0	9.3	2370	1951	2116	1786	1720	1411
10 1/2 x 6 x 6 1/2	10.5	6.0	9.3	2943	2414	2623	2205	2138	1753
12 x 4 x 8	12.0	4.0	10.8	1995	1642	1786	1499	1455	1190
12 x 4 1/2 x 8	12.0	4.5	10.8	2293	1885	2050	1720	1664	1367
12 x 5 x 8	12.0	5.0	10.8	2623	2149	2337	1962	1907	1565
12 x 5 1/2 x 8	12.0	5.5	10.8	2954	2425	2634	2216	2138	1753
13 x 3 1/2 x 8	13.0	3.5	11.5	1918	1576	1709	1422	-	-
13 x 4 1/2 x 8	13.0	4.5	11.5	2458	2028	2194	1852	1786	1466
13 1/2 x 4 1/2 x 8	13.5	4.5	11.8	2524	2072	2249	1896	1830	1499
13 1/2 x 5 1/2 x 8	13.5	5.5	11.8	3329	2734	2976	2502	2414	1984
14 x 4 1/2 x 8	14.0	4.5	12.2	2568	2105	2293	1929	1863	1532
14 x 5 x 10	14.0	5.0	12.9	2943	2425	2634	2205	2138	1753
15 1/2 x 6 x 10	15.5	6.0	13.8	4112	3373	3671	3075	2987	2447
16 x 5 x 10 1/2	15.9	5.0	14.3	3318	2734	2965	2491	2414	1973
16 x 6 x 10 1/2	15.9	6.0	14.3	4200	3450	3748	3153	3053	2502
16 x 7 x 10 1/2	16.0	7.0	14.3	5115	4200	4564	3836	3715	3042
15 x 4 x 11 1/4	15.0	4.0	13.9	2348	1929	2094	1764	1709	1400
15 x 5 x 11 1/4	15.0	5.0	13.9	3064	2524	2734	2304	2227	1830
15 x 6 x 11 1/4	15.0	6.0	13.9	3792	3108	3384	2844	2756	2260
16 1/4 x 5 x 11 1/4	16.1	5.0	14.7	3362	2756	2998	2524	2436	1995
16 1/4 x 6 x 11 1/4	16.1	6.0	14.7	4222	3461	3770	3164	3064	2513
16 1/4 x 7 x 11 1/4	16.3	7.0	14.8	5115	4200	4564	3836	3715	3042
16 1/4 x 8 x 11 1/4	16.3	8.0	14.8	5974	4905	5335	4475	4332	3560
17 x 5 x 12 1/8	17.0	5.0	15.6	3472	2855	3097	2601	2524	2072
18 x 5 x 12 1/8	18.0	5.0	16.2	3616	2976	3230	2712	2634	2161

TIRE SIZE ⁽¹⁾	ACTUAL TIRE DIMENSIONS			LOAD CAPACITY ⁽²⁾ Counterbalanced lift trucks (lbs)					
	OVERALL DIAMETER (in)	OVERALL WIDTH (in)	REPLACEMENT OVERALL DIAMETER ⁽³⁾ (in)	6 mph		10 mph		16 mph	
				LOAD WHEEL	STEERING WHEEL	LOAD WHEEL	STEERING WHEEL	LOAD WHEEL	STEERING WHEEL
18 x 6 x 12 1/8	18.0	6.0	16.2	4608	3781	4112	3450	3340	2745
18 x 7 x 12 1/8	18.0	7.0	16.2	5633	4630	5026	4222	4090	3351
18 x 8 x 12 1/8	18.0	8.0	16.2	6614	5434	5908	4960	4806	3935
18 x 9 x 12 1/8	18.0	9.0	16.2	7639	6272	6823	5732	5545	4541
20 x 8 x 15	20.0	8.0	18.5	6978	5732	6228	5236	5060	4156
21 x 7 x 15	21.0	7.0	19.2	6327	5203	5655	4751	4597	3770
21 x 8 x 15	21.0	8.0	19.2	7441	6118	6647	5578	5401	4431
21 x 9 x 15	21.0	9.0	19.2	8598	7066	7683	6448	6250	5115
20 x 8 x 16	20.0	8.0	18.8	6636	5445	5919	4971	4817	3946
20 x 9 x 16	20.0	9.0	18.9	7595	6239	6779	5688	5512	4519
22 x 6 x 16	22.0	6.0	20.2	5357	4398	4784	4023	3891	3186
22 x 7 x 16	22.0	7.0	20.2	6559	5390	5864	4916	4762	3902
22 x 8 x 16	22.0	8.0	20.2	7716	6338	6889	5787	5600	4597
22 x 9 x 16	22.0	9.0	20.2	8918	7330	7970	6691	6482	4718
22 x 10 x 16	22.0	10.0	20.2	10075	8278	8995	7562	7319	5997
22 x 12 x 16	22.0	12.0	20.2	12434	10218	11100	9325	9028	7396
22 x 14 x 16	22.0	14.0	20.2	14793	12147	13206	11089	10747	8807
22 x 16 x 16	22.0	16.0	20.2	17108	14054	15267	12831	12423	10185
22 x 6 x 17 3/4	22.0	6.0	20.8	5170	4255	4619	3880	3759	3075
22 x 7 x 17 3/4	22.0	7.0	20.8	6228	5115	5556	4674	4519	3704
22 x 8 x 17 3/4	22.0	8.0	20.8	7242	5941	6459	5423	5258	4310
26 x 6 x 20	26.1	6.0	24.3	6074	4982	5423	4552	4409	3616
26 x 7 x 20	26.1	7.0	24.3	7430	6107	6636	5578	5390	4420
28 x 10 x 22	28.0	10.0	26.2	12059	9910	10769	9050	8752	7176
28 x 12 x 22	28.0	12.0	26.2	14881	12225	13283	11155	10803	8851
28 x 14 x 22	28.0	14.0	26.2	17703	14539	15807	13272	12853	10538
28 x 16 x 22	28.0	16.0	26.2	20459	16810	18276	15344	14859	12180
40 x 12 x 30	40.2	12.0	37.1	19312	15796	16799	13790	13536	11034
40 x 14 x 30	40.2	14.0	37.1	23391	19136	20348	16700	16402	13360

TIRE SIZE ⁽¹⁾	ACTUAL TIRE DIMENSIONS			LOAD CAPACITY ⁽²⁾ Counterbalanced lift trucks (lbs)					
	OVERALL DIAMETER (in)	OVERALL WIDTH (in)	REPLACEMENT OVERALL DIAMETER ⁽³⁾ (in)	6 mph		10 mph		16 mph	
				LOAD WHEEL	STEERING WHEEL	LOAD WHEEL	STEERING WHEEL	LOAD WHEEL	STEERING WHEEL
40 x 16 x 30	40.2	16.0	37.1	27381	22399	23821	19555	19202	15642
40 x 20 x 30	40.2	20.0	37.1	35538	29079	30920	25386	24923	20304
250 / 75 - 140	9.8	3.0	8.6	1235	1014	1102	926	-	-
250 / 130 - 140	9.8	5.1	8.6	2348	1929	2094	1764	1709	1400
250 / 80 - 170	9.8	3.1	9.0	1367	1124	1224	1014	-	-
250 / 105 - 170	9.8	4.1	9.0	1731	1422	1543	1301	1257	1025
265 / 85 - 190 K	10.4	3.3	9.6	1521	1257	1356	1135	-	-
300 / 90 - 203	11.8	3.5	10.7	1841	1510	1642	1378	-	-
365 / 160 - 220	14.4	6.3	12.6	4145	3406	3704	3108	3009	2469
300 / 75 - 240	11.9	3.0	11.2	1378	1135	1235	1036	-	-
360 / 60 - 270	14.3	2.4	13.2	1213	992	1080	904	-	-
360 / 85 - 270	14.3	3.3	13.2	1951	1609	1742	1455	-	-
350 / 90 - 280	13.8	3.5	13.0	1984	1631	1775	1488	-	-
405 / 130 - 305	16.0	5.1	14.9	3329	2734	2976	2491	2414	1984
405 / 260 - 305	15.9	10.2	14.9	7330	6019	6548	5500	5324	4365
415 / 75 - 305	16.4	3.0	15.1	1808	1488	1609	1345	-	-
415 / 90 - 305	16.4	3.5	15.1	2348	1929	2094	1753	-	-
415 / 100 - 305	16.4	3.9	15.1	2458	2017	2194	1841	1786	1466
425 / 150 - 305	16.8	5.9	15.4	4211	3461	3759	3164	3064	2502
425 / 260 - 305	16.7	10.2	15.4	7992	6559	7132	5997	5798	4751
425 / 300 - 305	16.8	11.8	15.4	9359	7694	8355	7022	6801	5578
450 / 300 - 305	17.7	11.8	16.0	10251	8422	9149	7694	7441	6107
520 / 120 - 370	20.5	4.7	18.7	3682	3020	3285	2767	2679	2194
550 / 150 - 370	21.8	5.9	19.5	5170	4255	4619	3880	3759	3075
540 / 200 - 410	21.3	7.9	19.8	7209	5919	6437	5401	5236	4288
550 / 120 - 410	21.7	4.7	20.0	3858	3175	3450	2899	2800	2293
550 / 160 - 410	21.7	6.3	20.0	5633	4619	5026	4222	4090	3351
645 / 220 - 410	25.4	8.7	22.5	8940	7319	7782	6382	6272	5104
645 / 250 - 410	25.4	9.8	22.5	10593	8675	9226	7573	7430	6052
645 / 300 - 410	25.4	11.8	22.5	13360	10935	11629	9546	9370	7639
645 / 350 - 410	25.4	13.8	22.5	16127	13195	14032	11519	11310	9215
660 / 203 - 480	26.0	8.0	23.8	8146	6669	7088	5820	5710	4652
660 / 250 - 480	26.0	9.8	23.8	10549	8631	9171	7529	7396	6030
660 / 280 - 480	26.0	11.0	23.8	12081	9877	10505	8631	8466	6900
760 / 250 - 500	30.1	9.8	26.8	11993	9810	10428	8565	8411	6856
840 / 350 - 559	33.3	13.8	29.8	20062	16413	17460	14330	14065	11464

SOLIDEAL MAGNUM SMOOTH

OPTIMAL CROWNED PROFILE

- Excellent cushioning for improved comfort



HIGH-PERFORMANCE NATURAL RUBBER COMPOUND

- Reduces chunking and cutting
- Suitable for both IC and electric trucks

Non-marking compound availability on request



AUTHORIZED DISTRIBUTOR:

Remarks

- (1) Tolerances on wheel diameter • Code designated sizes (in): nominal rim diameter +0.005"/-0" • Metric sizes (mm): h11 according to ISO/R286. Surface roughness Ra < 6.3 µm • Chamfer 5 mm wide @ 30°
- (2) The speeds quoted in the table are the maximum speeds of the unloaded vehicle. An increase in load capacity for lower speeds is not permitted.
- (3) The tire is considered worn out when the outside diameter is equal or smaller than the replacement overall diameter. All specifications for non-marking tires are the same as the equivalent standard black tire.

It is possible that certain items are not sold in your region.

Please contact your local sales contact to check tire availability in your region.



Camso is the best of Camoplast and Solideal.
To keep moving forward while staying true to our history,
we're now the Road Free company.

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TIRE SIZE ⁽¹⁾	ACTUAL TIRE DIMENSIONS			LOAD CAPACITY ⁽²⁾ Counterbalanced lift trucks (kg)					
	OVERALL DIAMETER (mm)	OVERALL WIDTH (mm)	REPLACEMENT OVERALL DIAMETER ⁽³⁾ (mm)	10 kmh		16 kmh		25 kmh	
				LOAD WHEEL	STEERING WHEEL	LOAD WHEEL	STEERING WHEEL	LOAD WHEEL	STEERING WHEEL
9 x 5 x 5	229	127	200	960	790	855	720	695	570
10 x 4 x 6 1/4	252	102	225	785	645	700	590	570	465
10 x 5 x 6 1/4	254	127	227	1025	845	915	770	745	610
10 x 4 x 6 1/2	254	102	229	780	640	695	585	565	465
10 x 4 3/4 x 6 1/2	254	121	229	950	780	845	710	690	565
10 x 4 15/16 x 6 1/2	257	125	231	1015	835	905	760	735	605
10 x 5 x 6 1/2	254	127	229	1015	835	905	760	735	605
10 1/2 x 5 x 6 1/2	267	127	237	1075	885	960	810	780	640
10 1/2 x 6 x 6 1/2	267	152	237	1335	1095	1190	1000	970	795
12 x 4 x 8	305	102	275	905	745	810	680	660	540
12 x 4 1/2 x 8	305	114	275	1040	855	930	780	755	620
12 x 5 x 8	305	127	275	1190	975	1060	890	865	710
12 x 5 1/2 x 8	305	140	275	1340	1100	1195	1005	970	795
13 x 3 1/2 x 8	330	89	292	870	715	775	645	-	-
13 x 4 1/2 x 8	330	114	292	1115	920	995	840	810	665
13 1/2 x 4 1/2 x 8	343	114	301	1145	940	1020	860	830	680
13 1/2 x 5 1/2 x 8	343	140	301	1510	1240	1350	1135	1095	900
14 x 4 1/2 x 8	356	114	309	1165	955	1040	875	845	695
14 x 5 x 10	356	127	326	1335	1100	1195	1000	970	795
15 1/2 x 6 x 10	394	152	352	1865	1530	1665	1395	1355	1110
16 x 5 x 10 1/2	403	127	362	1505	1240	1345	1130	1095	895
16 x 6 x 10 1/2	403	152	362	1905	1565	1700	1430	1385	1135
16 x 7 x 10 1/2	406	178	364	2320	1905	2070	1740	1685	1380
15 x 4 x 11 1/4	382	102	354	1065	875	950	800	775	635
15 x 5 x 11 1/4	381	127	354	1390	1145	1240	1045	1010	830
15 x 6 x 11 1/4	381	152	354	1720	1410	1535	1290	1250	1025
16 1/4 x 5 x 11 1/4	410	127	373	1525	1250	1360	1145	1105	905
16 1/4 x 6 x 11 1/4	410	152	373	1915	1570	1710	1435	1390	1140
16 1/4 x 7 x 11 1/4	413	178	375	2320	1905	2070	1740	1685	1380
16 1/4 x 8 x 11 1/4	413	203	375	2710	2225	2420	2030	1965	1615
17 x 5 x 12 1/8	432	127	395	1575	1295	1405	1180	1145	940
18 x 5 x 12 1/8	457	127	412	1640	1350	1465	1230	1195	980

TIRE SIZE ⁽¹⁾	ACTUAL TIRE DIMENSIONS			LOAD CAPACITY ⁽²⁾ Counterbalanced lift trucks (kg)					
	OVERALL DIAMETER (mm)	OVERALL WIDTH (mm)	REPLACEMENT OVERALL DIAMETER ⁽³⁾ (mm)	10 kmh		16 kmh		25 kmh	
				LOAD WHEEL	STEERING WHEEL	LOAD WHEEL	STEERING WHEEL	LOAD WHEEL	STEERING WHEEL
18 x 6 x 12 1/8	457	152	412	2090	1715	1865	1565	1515	1245
18 x 7 x 12 1/8	457	178	412	2555	2100	2280	1915	1855	1520
18 x 8 x 12 1/8	457	203	412	3000	2465	2680	2250	2180	1785
18 x 9 x 12 1/8	457	229	412	3465	2845	3095	2600	2515	2060
20 x 8 x 15	508	203	470	3165	2600	2825	2375	2295	1885
21 x 6 x 15	538	152	490	2345	1925	2095	1760	1705	1395
21 x 7 x 15	533	178	487	2870	2360	2565	2155	2085	1710
21 x 8 x 15	533	203	487	3375	2775	3015	2530	2450	2010
21 x 9 x 15	533	229	487	3900	3205	3485	2925	2835	2320
20 x 8 x 16	508	203	478	3010	2470	2685	2255	2185	1790
20 x 9 x 16	508	229	480	3445	2830	3075	2580	2500	2050
22 x 6 x 16	559	152	514	2430	1995	2170	1825	1765	1445
22 x 7 x 16	559	178	514	2975	2445	2660	2230	2160	1770
22 x 8 x 16	559	203	514	3500	2875	3125	2625	2540	2085
22 x 9 x 16	559	229	514	4045	3325	3615	3035	2940	2140
22 x 10 x 16	559	254	514	4570	3755	4080	3430	3320	2720
22 x 12 x 16	559	305	514	5640	4635	5035	4230	4095	3355
22 x 14 x 16**	559	356	514	6710	5510	5990	5030	4875	3995
22 x 16 x 16	559	406	514	7760	6375	6925	5820	5635	4620
22 x 6 x 17 3/4	559	152	529	2345	1930	2095	1760	1705	1395
22 x 7 x 17 3/4	559	178	529	2825	2320	2520	2120	2050	1680
22 x 8 x 17 3/4	559	203	529	3285	2695	2930	2460	2385	1955
26 x 6 x 20	663	152	617	2755	2260	2460	2065	2000	1640
26 x 7 x 20	663	178	617	3370	2770	3010	2530	2445	2005
28 x 10 x 22	711	254	666	5470	4495	4885	4105	3970	3255
28 x 12 x 22	711	305	666	6750	5545	6025	5060	4900	4015
28 x 14 x 22	711	356	666	8030	6595	7170	6020	5830	4780
28 x 16 x 22	711	406	666	9280	7625	8290	6960	6740	5525
40 x 12 x 30	1020	305	941	8760	7165	7620	6255	6140	5005
40 x 14 x 30	1020	356	941	10610	8680	9230	7575	7440	6060

TIRE SIZE ⁽¹⁾	ACTUAL TIRE DIMENSIONS			LOAD CAPACITY ⁽²⁾ Counterbalanced lift trucks (kg)					
	OVERALL DIAMETER (mm)	OVERALL WIDTH (mm)	REPLACEMENT OVERALL DIAMETER ⁽³⁾ (mm)	10 kmh		16 kmh		25 kmh	
				LOAD WHEEL	STEERING WHEEL	LOAD WHEEL	STEERING WHEEL	LOAD WHEEL	STEERING WHEEL
40 x 16 x 30	1020	406	941	12420	10160	10805	8870	8710	7095
40 x 20 x 30	1020	508	941	16120	13190	14025	11515	11305	9210
250 / 75 - 140	250	75	218	560	460	500	420	-	-
250 / 130 - 140	250	130	218	1065	875	950	800	775	635
250 / 80 - 170	250	80	228	620	510	555	460	-	-
250 / 105 - 170	250	105	228	785	645	700	590	570	465
265 / 85 - 190 K	265	85	245	690	570	615	515	-	-
300 / 90 - 203	300	90	272	835	685	745	625	-	-
365 / 160 - 220	365	160	321	1880	1545	1680	1410	1365	1120
300 / 75 - 240	301	75	285	625	515	560	470	-	-
360 / 60 - 270	362	60	336	550	450	490	410	-	-
360 / 85 - 270	362	85	336	885	730	790	660	-	-
350 / 90 - 280	350	90	331	900	740	805	675	-	-
405 / 130 - 305	407	130	377	1510	1240	1350	1130	1095	900
405 / 260 - 305	405	260	377	3325	2730	2970	2495	2415	1980
415 / 75 - 305	417	75	384	820	675	730	610	-	-
415 / 90 - 305	417	90	384	1065	875	950	795	-	-
415 / 100 - 305	417	100	384	1115	915	995	835	810	665
425 / 150 - 305	427	150	391	1910	1570	1705	1435	1390	1135
425 / 260 - 305	425	260	391	3625	2975	3235	2720	2630	2155
425 / 300 - 305	427	300	392	4245	3490	3790	3185	3085	2530
450 / 300 - 305	450	300	407	4650	3820	4150	3490	3375	2770
520 / 120 - 370	520	120	474	1670	1370	1490	1255	1215	995
550 / 150 - 370	553	150	496	2345	1930	2095	1760	1705	1395
540 / 200 - 410	540	200	502	3270	2685	2920	2450	2375	1945
550 / 120 - 410	550	120	509	1750	1440	1565	1315	1270	1040
550 / 160 - 410	550	160	509	2555	2095	2280	1915	1855	1520
645 / 220 - 410	645	220	572	4055	3320	3530	2895	2845	2315
645 / 250 - 410	645	250	572	4805	3935	4185	3435	3370	2745
645 / 300 - 410	645	300	572	6060	4960	5275	4330	4250	3465
645 / 350 - 410	645	350	572	7315	5985	6365	5225	5130	4180
660 / 203 - 480	660	203	606	3695	3025	3215	2640	2590	2110
660 / 250 - 480	660	250	606	4785	3915	4160	3415	3355	2735
660 / 280 - 480	660	280	606	5480	4480	4765	3915	3840	3130
760 / 250 - 500	764	250	682	5440	4450	4730	3885	3815	3110
840 / 350 - 559	845	350	757	9100	7445	7920	6500	6380	5200

EXCEPTIONS * MAG SEMI PATTERN ** LUG PATTERN

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AUTHORIZED DISTRIBUTOR:

Remarks

- (1) Tolerances on wheel diameter • Code designated sizes (in): nominal rim diameter +0.005"/-0" • Metric sizes (mm): h11 according to ISO/R286. Surface roughness Ra < 6.3 µm • Chamfer 5 mm wide @ 30°
- (2) The speeds quoted in the table are the maximum speeds of the unloaded vehicle. An increase in load capacity for lower speeds is not permitted.
- (3) The tire is considered worn out when the outside diameter is equal or smaller than the replacement overall diameter. All specifications for non-marking tires are the same as the equivalent standard black tire.

It is possible that certain items are not sold in your region.

Please contact your local sales contact to check tire availability in your region.



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