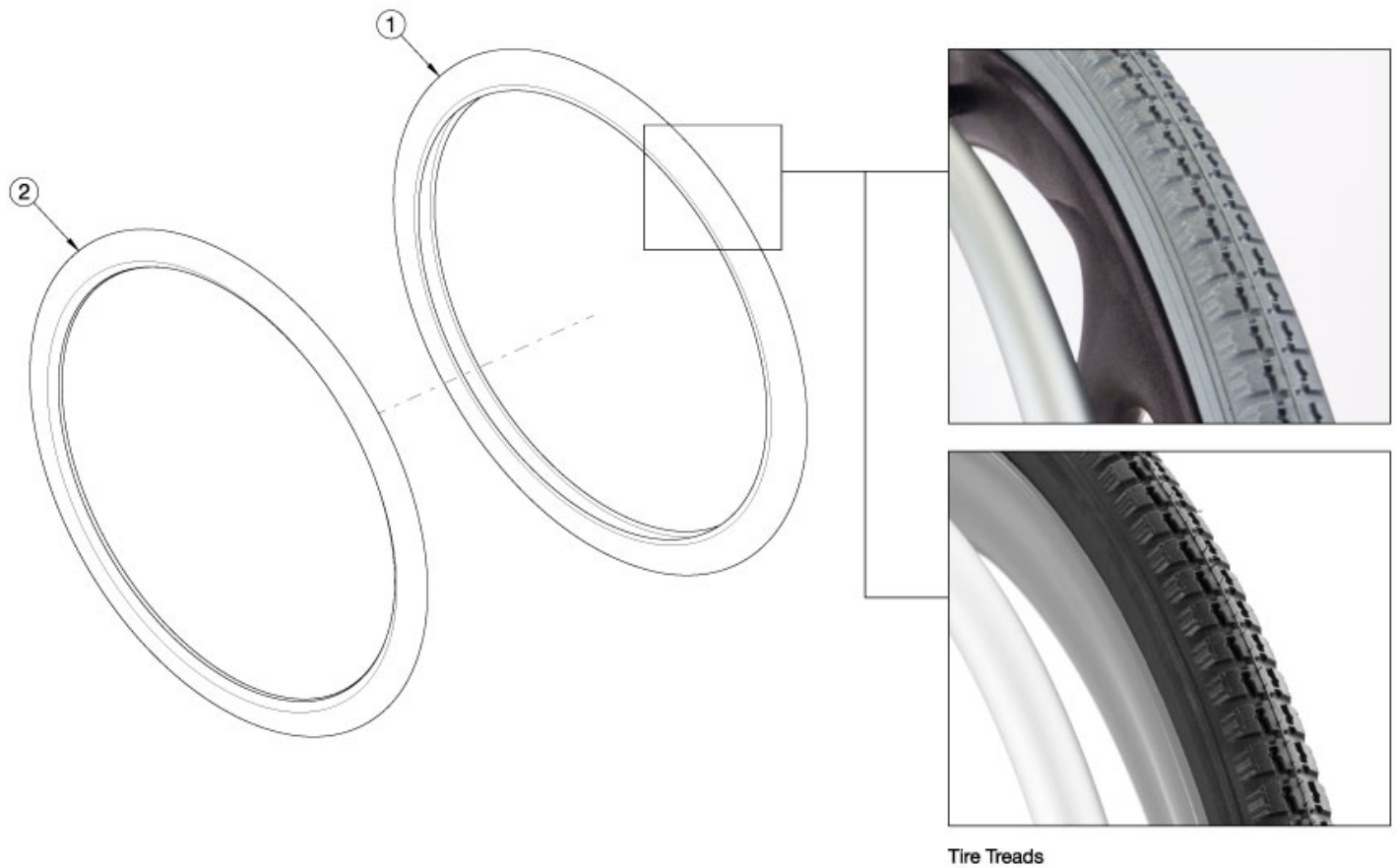


Liberty Tires - Pneumatic with Airless Insert



12" and 16" Mag Wheels are sold as a combination wheel and tire assembly. Please see the 12" and 16" Mag wheel parts manual pages. Please note if you are installing a pneumatic tire with airless insert in combination with an aluminum anodized (tab mounted), plastic coated (tab mounted), or natural fit (all) handrim, the handrim must be installed prior to the tire installation.

Item Number	Part Number	Description	Quantity
1a, 2a	118155	Tire 20" x 1 3/8" Pneumatic (Black) and Airless Insert Kit	1
1b, 2b	118209	Tire 22" x 1 3/8" Pneumatic (Black) and Airless Insert Kit	1
1c, 2c	118217	Tire 24" x 1 3/8" Pneumatic (Black) and Airless Insert Kit	1
1a	116843	Tire 20" x 1 3/8" Pneumatic, Black	1
1b	116735	Tire 22" x 1 3/8" Pneumatic, Black <i>Replacement for part number 100634</i>	1
1c	116736	Tire 24" x 1 3/8" Pneumatic, Black <i>Replacement for part number 100635</i>	1
2a	100913	Airless Insert 20"	1
2b	100503	Airless Insert 22"	1

Item Number	Part Number	Description	Quantity
2c	100504	Airless Insert 24"	1

Tire Component Chart

Wheel		1 3/8" Street Pneumatic			1" High Pressure			1 3/8" Euro Trek Knobby			1" Schwalbe				1 3/8" Schwalbe HS-127			2" Mountain		
Wheel	Wheel Part #	Tire	Inner Tube	Rim Strip	Tire	Inner Tube	Rim Strip	Tire	Inner Tube	Rim Strip	Mara-thon Tire	One Tire	Inner Tube	Rim Strip	Tire	Inner Tube	Rim Strip	Tire	Inner Tube	Rim Strip
22" Spoke	116730	116735	100588	101908	102961	100609	101908											101475	100588	101908
24" Spoke	116728	116736	100589	100596	102958	100580	100596	102982	100589	100596	100864	103176	100580	100596	102920	100589	100596	101476	101188	100596
18" MAXX Spoke	109285	101587	101588	101137																
20" MAXX Spoke	108244	116843	100912	101137	102957	102844	101137													
22" MAXX Spoke	105135	116735	100588	101908	102961	100609	101908											101475	100588	101908
24" MAXX Spoke	105136	116736	100589	100596	102958	100580	100596	102982	100589	100596	100864	103176	100580	100596	102920	100589	100596	101476	101188	100596
25" MAXX Spoke	107436				102959	101457	101452				101357	103177	101457	101452				100166	100208	101452
26" MAXX Spoke	107437	100636	100590	100608	102960	100582	100597				100865		100582	100597						
20" MAXX Mag	111853	116843	100912	101137																
22" MAXX Mag	111854	116735	100588	101908														101475	100588	101908
24" MAXX Mag	111855	116736	100589	100596				102982	100589	100596					102920	100589	100596	101476	101188	100596
24" Superlight	101159	111818	100589	100596	102958	100580	100596	102982	100589	100596	100864	103176	100580	100596	102920	100589	100596			
25" Superlight	101158				102959	101457	101452				101357	103177	101457	101452						
20" Spinergy Spox	See Spinergy Spox Page	116843	100912	101137	102957	102844	101137													
22" Spinergy Spox		116735	100588	101908	102961	100609	101908											101475	100588	101908
24" Spinergy Spox		116736	100589	100596	102958	100580	100596	102982	100589	100596	100864	103176	100580	100596	102920	100589	100596	101476	101188	100596
25" Spinergy Spox					102959	101457	101452				101357	103177	101457	101452				100166	100208	10145
26" Spinergy Spox		100636	100590	100608	102960	100582	100597				100865		100582	100597						
22" Spingery LX	See Spinergy LX Page	116735	100588	101908	102961	100609	101908											101475	100588	101908
24" Spingery LX		116736	100589	100596	102958	100580	100596	102982	100589	100596	100864	103176	100580	100596	102920	100589	100596	101476	101188	100596
25" Spingery LX					102959	101457	101452				101357	103177	101457	101452				100166	100208	101452
26" Spingery LX		100636	100590	100608	102960	100582	100597				100865		100582	100597						

See Page 2 for Discontinued Wheels.

Tire Component Chart (Discontinued Wheels)

Wheel		1 3/8" Street Pneumatic			1" High Pressure			1 3/8" Euro Trek Knobby			1" Schwalbe				1 3/8" Schwalbe HS-127			2" Mountain			
Wheel	Wheel Part #	Tire	Inner Tube	Rim Strip	Tire	Inner Tube	Rim Strip	Tire	Inner Tube	Rim Strip	Mara-thon Tire	One Tire	Inner Tube	Rim Strip	Tire	Inner Tube	Rim Strip	Tire	Inner Tube	Rim Strip	
18" Ki Spoke	200529	101587	101588	101137																	
20" Ki Spoke	200530	100911	100912	101137	102957	102844	101137														
22" Ki Spoke	200531	100634	100588	101908	102961	100609	101908											101475	100588	101908	
24" Ki Spoke	200532	111818	100589	100596	102958	100580	100596	102982	100589	100596	100864	103176	100580	100596	102920	100589	100596	101476	101188	100596	
25" Ki Spoke	200533				102959	101457	101452				101357	103177	101457	101452				100166	100208	101452	
26" Ki Spoke	200534	100636	100590	100608	102960	100582	100597				100865		100582	100597							
20" 5-Spoke X Core	101961	100911	100912	101137																	
22" 5-Spoke X Core	101962	100634	100588	101908																	
24" 5-Spoke X Core	100960	111818	100589	100596				102982	100589	100596					102920	100589	100596				

Tire Compatibility Chart

Wheel		Tire											
Wheel	Wheel Part #	1 3/8" Street Pneumatic	1 3/8" Full Profile Poly	1" Low Profile Poly	1 3/8" Pneumatic w/ Airless Insert (Tire / Insert)	1" Solid Sentinel	1" Solid Shox	1" High Pressure	1 3/8" Euro Trek Knobby	1" Schwalbe Marathon	1" Schwalbe One	1 3/8" Schwalbe HS-127	2" Mountain
22" Spoke	116730	116735	100621	100632	116735 / 100503	103165	102718	102961					101475
24" Spoke	116728	116736	100622	100633	116736 / 100504	102976	100640	102958	102982	100864	103176	102920	101476
18" MAXX Spoke	109285	101587	101992	100918	101587 / 101092								
20" MAXX Spoke	108244	116843	100917	102085	116843 / 100913	102974	102717	102957					
22" MAXX Spoke	105135	116735	100621	100632	116735 / 100503	103165	102718	102961					101475
24" MAXX Spoke	105136	116736	100622	100633	116736 / 100504	102976	100640	102958	102982	100864	103176	102920	101476
25" MAXX Spoke	107436					102977	101453	102959		101357	103177		100166
26" MAXX Spoke	107437	100636			100636 / 100505	102978	100884	102960		100865			
12" Mag ¹	N/A	001424	001426		001425								
16" Mag ¹	N/A	001159	001161	003453	001160								
20" MAXX Mag	111853	116843	100917	102085	116843 / 100913	102974							
22" MAXX Mag	111584	116735	100621	100632	116735 / 100503	103165							101475
24" MAXX Mag	111855	116736	100622	100633	116736 / 100504	102976			102982			102920	101476
24" Superlight	101159	100635					100894	102958	102982	100864	103176	102920	
25" Superlight	101158						101146	102959		101357	103177		
20" Spinerger Spox	See Spinerger Spox Page	116843	100917	102085	116843 / 100913	102974		102957					
22" Spinerger Spox		116735	100621	100632	116735 / 100503	103165		102961					101475
24" Spinerger Spox		116736	100622	100633	116736 / 100504	102976	100894	102958	102982	100864	103176	102920	101476
25" Spinerger Spox						102977	101146	102959		101357	103177		100166
26" Spinerger Spox		100636				100636 / 100505	102978	100895	102960		100865		
22" Spinerger LX	See Spinerger LX Page	116735	100621	100632	116735 / 100503			102961					101475
24" Spinerger LX		116736	100622	100633	116736 / 100504	102976	100894	102958	102982	100864	103176	102920	101476
25" Spinerger LX						102977	101146	102959		101357	103177		100166
26" Spinerger LX		100636				100636 / 100505	102978	100895	102960		100865		

¹ 12" and 16" Mag Wheels are sold as a combination Wheel and Tire Assembly

See Page 2 for Discontinued Wheels

Tire Compatibility Chart (Discontinued Wheels)

Wheel		Tire											
Wheel	Wheel Part #	1 3/8" Street Pneumatic	1 3/8" Full Profile Poly	1" Low Profile Poly	1 3/8" Pneumatic w/ Airless Insert (Tire / Insert)	1" Solid Sentinel	1" Solid Shox	1" High Pressure	1 3/8" Euro Trek Knobby	1" Schwalbe Marathon	1" Schwalbe One	1 3/8" Schwalbe HS-127	2" Mountain
18" Ki Spoke	200529	101587	101992	100918	101587 / 101092								
20" Ki Spoke	200530	100911	100917	102085	100911 / 100913	102974	102717	102957					
22" Ki Spoke	200531	100634	100621	100632	100634 / 100503	103165	102718	102961					101475
24" Ki Spoke	200532	111818	100622	100633	111818 / 100504	102976	100640	102958	102982	100864	103176	102920	101476
25" Ki Spoke	200533					102977	101453	102959		101357	103177		100166
26" Ki Spoke	200534	100636			100636 / 100505	102978	100884	102960		100865			
20" 5-Spoke X Core	101961	100911	100917	102085	100911 / 100913		102717						
22" 5-Spoke X Core	101962	100634	100621	100632	100634 / 100503		102718						
24" 5-Spoke X Core	100960	111818	100622	100633	111818 / 100504		100640		102982			102920	

Effective 2/27/2023

Wheel & Tire Outside Diameter Measurement Reference

Size	Tire Description	Outside Diameter
18"	Street Pneumatic 1-3/8"	18.9
18"	Full Profile Poly 1-3/8"	18.5
18"	Pneumatic w/Airless Insert 1-3/8"	18.8
18"	Low Profile Poly 1"	17.7
20"	Street Pneumatic 1-3/8"	20.7
20"	Full Profile Poly 1-3/8"	20.2
20"	Pneumatic w/Airless Insert 1-3/8"	20.5
20"	Low Profile Poly 1"	19.3
20"	Sentinel Solid 1"	19.6
20"	High Pressure 1"	20.3
20"	SHOX	19.6
22"	Street Pneumatic 1-3/8"	22.5
22"	Full Profile Poly 1-3/8"	22.3
22"	Pneumatic w/Airless Insert 1-3/8"	22.4
22"	Low Profile Poly 1"	21.4
22"	Sentinel Solid 1"	21.9
22"	High Pressure 1"	22.3
22"	SHOX	22
22"	Mountain 2"	24.1
24"	Street Pneumatic 1-3/8"	24
24"	Full Profile Poly 1-3/8"	23.6
24"	Pneumatic w/Airless Insert 1-3/8"	23.9
24"	Schwalbe HS-127 1-3/8"	24
24"	Euro Trek Knobby 1-3/8"	24.1
24"	Low Profile Poly 1"	22.8
24"	Sentinel Solid 1"	23.3
24"	High Pressure 1"	23.6
24"	Schwalbe One 1"	23.8
24"	Schwalbe Marathon Plus EVO 1"	24
24"	SHOX	23.3
24"	Schwalbe Downtown 1"	23.6
24"	Mountain 2"	25.6
25"	Sentinel Solid 1"	24
25"	High Pressure 1"	24.3
25"	Schwalbe One 1"	24.3
25"	Schwalbe Marathon Plus EVO 1	24.4
25"	SHOX	24.1
25"	Mountain 2"	26
26"	Street Pneumatic 1-3/8"	26
26"	Full Profile Poly 1-3/8"	25.8
26"	Pneumatic w/Airless Insert 1-3/8"	25.8
26"	Sentinel Solid 1"	25.1
26"	High Pressure 1"	25.5
26"	Schwalbe Marathon Plus EVO 1"	25.9
26"	SHOX	25.3

