

Liberty Tires - Sentinel Solid



Utilize the Shox Tire as a comparable alternative if using on a Mag (X Core) Wheel.

Item Number	Part Number	Description	Quantity
1a	102974	Tire 20" x 1" Sentinel Black (25-451) <i>Used on 20" Spoke, 20" Spinergy, and 20" MAXX Mag Wheels</i>	1
1b	103165	Tire 22" x 1" Sentinel Black (25-501) <i>Used on 22" Spoke, 22" Spinergy, and 22" MAXX Mag Wheels</i>	1
1c	102976	Tire 24" x 1" Sentinel Black (25-540) <i>Used on 24" Spoke, 24" Spinergy, and 24" MAXX Mag Wheels</i>	1

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" Spinergy Spox	See Spinergy Spox Page	116843	100917	102085	116843 / 100913	102974		102957					
22" Spinergy Spox		116735	100621	100632	116735 / 100503	103165		102961					101475
24" Spinergy Spox		116736	100622	100633	116736 / 100504	102976	100894	102958	102982	100864	103176	102920	101476
25" Spinergy Spox						102977	101146	102959		101357	103177		100166
26" Spinergy Spox		100636			100636 / 100505	102978	100895	102960		100865			
22" Spinergy LX	See Spinergy LX Page	116735	100621	100632	116735 / 100503			102961					101475
24" Spinergy LX		116736	100622	100633	116736 / 100504	102976	100894	102958	102982	100864	103176	102920	101476
25" Spinergy LX						102977	101146	102959		101357	103177		100166
26" Spinergy 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

Effective 2/27/2023

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	

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