

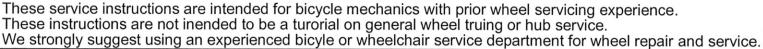
SERVICE INSTRUCTIONS

Wheelchair

Handcyle

(read to bottom before starting)





TRUING & TENSIONING

1999-2003 SPOX wheelchair wheels: (spoke nipples located at hub)

Tools required:

- Spinergy small spline tool (fig. 1)
- Spinergy large spline tool (fig. 2)
- Park Tools TM-1 tension meter (Fig. 6)

LX and SLX wheelchair wheels:

Tools Required:

- 1/4in. Open-ended wrench (fig. 5) - Spinergy hex nipple wrench (fig. 3)
- Park Tools TM-1 tension meter (fig. 6)

2003- Present SPOX wheelchair wheels: (Spoke nipples located inside wheel rim) Tools required:

- Spinergy small spline tool (fig. 1)
- 1/4in. nut driver (fig. 4)
- Park Toos TM-1 tension Meter (Fig. 6)

Spinergy Stealth Handcycle wheels: Tools Required:

- Spinergy small spline tools (fig. 1)
- 1/4in. nut driver (fig. 4) Park Tools TM-1 Tension meter (fig. 6)

Instructions:

SPOX wheelchair wheels: (fig. 7) First, remove tire/tube/rim strip on 2003-present model wheels. Tension spoke using 1/4in, nut driver for wheels with nipple located inside wheel rim (Older wheels with nipple located at hub, use hex or large spline nipple tool - depending on style of nipple). While tensioning spoke, use small spline tool to hold spoke stationary - do not allow spoke to rotate while tensioning nipple. Bring spoke tension to 20-22 on the Park Tools tension meter.

LX & SLX wheelchair wheels: (fig. 8) First, remove tire/tube/rim strip. Tension spoke using Spinergy hex nipple wrench (or 3/8in. nut driver). Use 1/4in.open-ended wrench (or plyers) to hold the spoke stationary do not allow spoke to rotate while tensioning nipple. Bring tension to 24-26 on the Park Tools tension meter (~40 on Wheelsmith).

Stealth Handcycle wheels: (same as fig. 7) First, remove tire/tube/rim strip. Use 1/4in. T-Wrench (not shown) to turn nipple. Use Spinergy small spline tool to hold spoke stationary - do no allow spoke to rotate while tensioning nipple. Rear wheels = 18-20 on tension meter. Front = 21-23 on drive side, and 10-12 on non-drive side.

Notes:

- For BEST RESULTS, apply a small amount of medium strength loctite (blue) to the threads prior to installing nipple.
- Spinergy wheels are hand tensioned and stress relieved before shipping.
- PBO spokes may feel under tensioned when compared to steel spokes. This is normal, and overtightening will risk damaging the rim.
- Over tensioning will void warranty.





Fia. 7



Fig. 8



In Canada Call 49 Bespoke Inc. T: 416-661-4499

Everyday Wheels

Sport Wheels



Light Extreme "LX"

PBO Spokes: 12 Spoke thickness: 4 mm Weight: 680g/wheel * FlexRim handrim optional Extreme rollability & reliability

"Super smooth, and I can reach through my spokes." - Mateo



Sport Light Extreme "SLX"

PBO Spokes: 18 or 24 Spoke thickness: 4 mm Weight: 762g/wheel (18 spk) * Extreme strength & speed

"I no longer worry about breakdowns." - Jeremy



SPOX Everyday

PBO Spokes: 18 Spoke thickness: 3 mm Weight: 725g/wheel * #1 wheel for over 12 years

"I love how quiet and responsive they are." - Andrea



SPOX Sport

PBO Spokes: 24
Spoke thickness: 3 mm
Weight: 771g/wheel *
Unsurpassed quality for all sports

"They're highly versatile and maintenance free." - Lauren



Wire

Stainless Steel Spokes: 30 Weight: 861g/wheel * Spinergy quality at a great price

"Looks and holds up better than other standard wheels." - Tom



Handcycle

PBO Spokes: 20 front, 16 rear

Size: 650c

Weight: 2426g/3 wheels Rim depth: 43mm - carbon

Shimano or Campy

Aerospace grade aluminum axle Smooth, sleek and lightweight

"Perfect upgrade that boosted the performance of my bike." - Bill

* Weight = 24" wheel, no handrim/tire/axle

Toughest wheels on the planet!

> PBO spokes 2x stronger vs carbon/kevlar > PBO spokes 10x stronger vs steel/alum.

PBO spokes eliminate the brittleness inherent with resin-impregnated carbon/kevlar spokes, and aren't subject to bending, breaking & buckling like steel or aluminum.

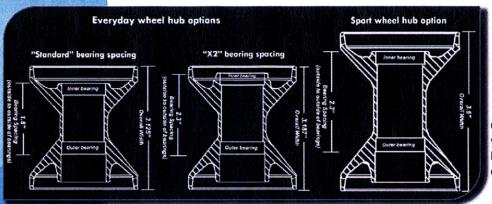


Spinergy is the leading wheel brand in the industry. Our unique design results in low rotational weight allowing you to go further and faster with less effort.



4@49Bespoke.com

www.49Bespoke.com T: 416-661-4499



Effective Axle Length = Bearing Spacing + Axle Receiver in Chair

Our "standard" hub is most common, with some chairs needing the "X2" hub for additional clearance. All sport chairs use the sport hub.

Available Options:	Everyday Wheels			Sport Wheels			Handcycle
Custom combinations available	For everyday use			For sports & heavy duty use			For recreation & racing
PBO Spoke Color	LX	SPOX	<u>Wire</u>	SLX	SLX R10	SPOX	<u>Handcycle</u>
Hub color is black except with		-				Sport	
black spokes = silver hub						-	
Pink Code 188	Х			х			x
Green Code 177	х			х			X
Orange Code 166	х			X		10	X
Black (silver hub) Code 111	Х	Х		Х	x (red hub)	X	Х
White Code 155	X	Х		х		Х	X
Red Code 133	х	х		х		Х	X
Yellow Code 144	х	X		Х		х	X
Blue Code 122	Х	х		Х		Х	х
Silver (steel spokes)			Х				x (black alum.)
Wheel Size							
20" (451mm)			х			2.7	
22" (501mm)	Х	X	х				
24" (540mm)	х	х	х	х	x	X	=
25" (559mm)	х	х	х	х	х	х	
26" (590mm)	х	X	х	- x	х	X	
650c (671mm)						2_	х
700c (27°/28°)	1.			х	×	х	
	17		14				
Spoke count	12	18	30	18 or 24	24	- 24	16 (ft.) 20 (rear)
Spoke thickness	4mm	3mm	14g	4mm	4mm	3mm	3mm PBO
Wheel Weight *	680g	725g	861g	762g	794g	771g	745g (rear) 936g (ft.)
Bearing I.D. = 1/2" (12.7mm)	х	х	Х	х	-	х	threaded (rear)
Bearing I.D. = 12mm	х	X		Х		X	
Bearing I.D. = 5/8" (15.8mm)					х		
Spinergy handrims							
FlexRim option* *	х						
Silver Aluminum	х	X	Х	Х	х	Х	
Black Vinyl Coated	х	х	х	Х	х	х	
							set = 3 wheels
MSRP/pair (incl. tire/handrim)	\$ 953.00	\$ 853.00	\$ 508.00	\$ 953.00	\$1053.00	\$ 853.00	\$2,050.00 (PBO)
** FlexRim at add'l cost	\$1053.00			17			

In Canada Call 49 Bespoke Inc. T: 416-661-4499 toll free T:866-827-4548 4@49Bespoke.com www.49Bespoke.com



* 24" no handrim/tube/tire