



# TIGA SUB4

LIGHTWEIGHT IS THE  
ENEMY OF LIMITS

LESS THAN 4 KG –  
GUARANTEED!

## OUR LIGHTEST CHAIR YET!

In 1988 we started a journey manufacturing made to measure, lightweight rigid wheelchair frames that were simply unavailable at the time.

Almost 30 years later, we are still following the same philosophy and the Sub4 is no exception. Made from aerospace grade aluminium, the Sub4 has been engineered with love, passion and sheer determination to provide the lightest made to measure wheelchair, with no compromises.

We believe every gram makes a difference and every component down to washers and screws have been optimised to provide our customers with a guaranteed\* sub 4 kg made to measure wheelchair frame – welcome to the Sub4.

\*Excluding wheels and cushion



Made to  
**MEASURE**

gk

**TIGA SUB4**

LESS THAN 4 KG –  
GUARANTEED!



## *SUB 4 KG – GUARANTEED, NO HIDDEN EXTRAS ...*

Your made to measure wheelchair frame is guaranteed to be under 4 kg, we'll even write the exact weight on your certified frame.

This includes all standard components such as; compact wheel locks, carbon fibre side guards with fender, Froglegs castors, carbon fibre footrest cover and upholstery.

The rear wheels and cushion are not included as these are easily removed for transportation.





# TIGA SUB4

## LIGHTWEIGHT BENEFITS

The lighter the wheelchair, the less energy you need to push – it's as simple as that. We understand that a small weight saving can make getting in and out of the car that little bit easier, so imagine what a massive weight saving can do for you!

The Sub4 glides effortlessly due to the lightweight and rigid frame, but don't think we have compromised on quality. The Sub4 boasts all the same reliability features as the TIGA, and with the frame being very similar in design and materials, you can be sure the Sub4 isn't just super light, but it's super strong too!

# TIGA SUB4

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## SUB4 MADE TO MEASURE FRAME

**19 design changes to achieve an example weight of 1.73 kg**

The made to measure frame comprises of the aluminium hand built frame which is designed to your individual requirements and the footrest, excluding the plate. Each tube has been reviewed and analysed to ensure any excess weight is removed and the reliability is maintained.

## SUB4 COMPONENTS

**37 design changes to achieve an example weight of 1.2 kg**

These parts turn a unique frame into a practical piece of equipment, which consist of castor wheels, sideguards, brakes and fasteners. Each component has been reviewed and analysed to remove any excess weight and to maintain the required function. The standard 'on the road' specification includes all you need with no hidden extras.

## SUB4 UPHOLSTERY

**16 design changes to achieve an example weight of 0.8 kg**

Last, but certainly not least, the upholstery is made up of a seat sling and a backrest and connects you to the frame in order to deliver a life changing product. The importance of the upholstery is second to none and each area has been reviewed to remove excess weight and maintain the function and versatility.

### KEY FEATURES:

- // Aerospace grade 7 series aluminium
- // Optimised hollow forged castor arm
- // Fixed centre of gravity
- // Fixed backrest
- // Low profile cross braces
- // Optimised single tube design
- // Optimised axle and pin set up with Titanium sleeves
- // Polished or brushed
- // Lightweight sideguard mounting system
- // Lightweight brake mounting system
- // Max weight 110 kg

### Components

- // Lightweight Carbon fibre sideguards with fender
- // Lightweight Carbon fibre footplate with weight saving hole
- // Titanium fasteners used throughout
- // Compact brakes with lightweight mounting system
- // Super light Froglegs castors, 4" x 1.25" with aluminium centre
- // Sports bearing housing with plastic top bearing
- // New stem bolt complete with integrated washer
- // A7075 castor axle with Titanium strengthening bolts and plastic spacers
- // Lightweight nylon footrest mount with 'Easy Adjustment System'

### Upholstery

- // New mesh strap adjustable seat upholstery, including low profile titanium buckles
- // Optimised air tech strap adjustable backrest and centre pad, including mesh cover panel and low profile titanium buckles





# TIGA SUB4

## TECHNICAL DATA

TIGA SUB4 // Ultra-Lightweight Wheelchair			
<b>Max. user weight</b>	110 kg	<b>Total length</b>	880 mm
		<b>Total height</b>	900 mm
<b>Frame version</b>	Fully welded open frame	<b>Max. pivot width</b>	880 mm
<b>Frame inset</b>	Tailor--made	<b>Max. safe slope</b>	7° (for use of parking brakes)
<b>Frame angle</b>	Tailor--made	<b>Front wheel</b>	3" / 4" / 5"
<b>Seat width</b>	250 - 440 mm	<b>Rear wheel</b>	24" / 25"
<b>Seat depth</b>	250 - 440 mm	<b>Wheelchair weight</b>	From 6,2 kg
<b>Seat height front</b>	380 - 520 mm	<b>Dismanteled weight</b>	From 3,6 kg
<b>Seat height rear</b>	360 - 500 mm	<b>Mass of heaviest part</b>	2,1 kg
<b>Backrest height</b>	100 - 400 mm	<b>Removable parts</b>	Rear wheels (for transport only)
<b>Backrest angle</b>	Tailor--made	<b>Colours</b>	23 frame colours plus 5 anodiced accent colours
<b>Centre of gravity (COG)</b>	25 - 125 mm	<b>Intended use as seat in motor vehicle</b>	Not released as seat in motor vehicles
<b>Wheel camber</b>	1° / 2° / 3°	<b>Transport without user</b>	Fix the wheelchair safe in the vehicle (e.g. car or plane)
<b>Total width</b>	Max. 680 mm (SW + 240 mm)	<b>Intended use and environment</b>	For people with limited mobility (children & adults); self-propelling or being pushed by an assistant, indoor and outdoor use.



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For further information on the full specification, options and accessories, please refer to the order form. All information is subject to change without notification. Please consult Sunrise Medical with any queries you may have.

If you are visually impaired, this document can be viewed in PDF format at [www.SunriseMedical.eu](http://www.SunriseMedical.eu).

