

TIGA

SUB 4

LIGHTWEIGHT IS THE ENEMY OF LIMITS
Less than 4kg... Guaranteed!



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TIGA

SUB 4

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 4kg made to measure wheelchair frame – welcome to the Sub4.

*Excluding wheels and cushion

Sub 4kg – Guaranteed, no hidden extras...

Your made to measure wheelchair frame is guaranteed to be under 4kg, 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.

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!



Sub4 Made to Measure Frame - 19 design changes to achieve an example weight of 1.73kg

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.

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 110kg



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.

Key features:

- 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'



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:

- 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





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