

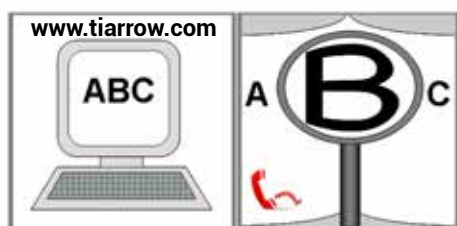
TiArrow Z-Line

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Our philosophy and guiding principle

We have a well thought-out and elaborate philosophy that serves as a beacon in our work. TiArrow is constructed according to the main requirements below, where the lower weighted requirements must never be achieved at the expense of the higher ones.



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tiARROW

Main requirements:



- 1) Correct sit-ergonomics**
- 2) Correct drive-ergonomics**
- 3) Good driving ability**
- 4) Low weight**

TiArrow Z-Line is a completely uncompromising wheelchair where we have not designed a single detail by chance. Developed and tested into the smallest detail. The unique carbon seat gives you the opportunity to find the perfect ergonomics together with extremely good pressure relief transforms into the optimal wheelchair.

Ultra-low weight

Z-Line is built with optimal material in each individual component and thus we have managed to manufacture an extreme lightweight chair without compromising ergonomics or driving characteristics. The weight of a complete Z-Line is from 6,7 kg.

In addition to the weight, the design of Z-Line is completely unique. It feels like floating forward and the chair becomes almost invisible in the rampage. The Z-Line becomes part of you and your body with full control in every movement.



Sitting ergonomics

We believe that sit-ergonomics is the single most important aspect of a wheelchair. In this case, we've gone all the way and made a molded seat that connects the chair with your body. 100% harmony and superior control are the result of this solution. In addition you will also be able to fine tune the shape of the seat using only a hairdryer to soften the carbon and when it cool down it stays in its new shape.

No single part has been added by chance but is a result of our 4 main requirements. We know that the chair is the sum of its parts and how these interact. Therefore, we ourselves have designed each individual part instead of buying ready-made components.

Ergonomic sitting also produces bonus effects. You will achieve a better posture and therefore clothes will fit better. You can also sit higher in the chair and you will be taller and still reach the rear wheel in a good way due to the narrow rear wheels.



Drive-ergonomics

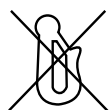
With drive-ergonomics, we intend the biomechanical movements the user performs to manage their wheelchair. Our goal has been to minimize adverse loads on the back, shoulders and arms through as accurate work angles and positioning as possible.

Driving ability

With driving ability, it is meant how much power is needed to drive and handle the wheelchair. An optimal wheelchair should roll as easily as possible but also turn lightly and be manageable in other contexts such as curbs and stairs etc.

A crucial factor in terms of driving ability is to adjust the wheelchair according to each user and this is easily done on the Z-Line.

WARNING: This wheelchair is not intended for the carriage of passengers in a motor vehicle.



Technical facts

MODEL DESCRIPTION	TiArrow Z-line
MAXIMUM OCCUPANT MASS	95 kg
OVERALL LENGTH WITH LEGREST	780 to 795 mm
OVERALL WIDTH	550 to 620 mm
TOTAL MASS	6.95 kg
MASS OF THE HEAVIEST PART NA	48 / 42.5 cm
STATIC STABILITY DOWNHILL	>20°
STATIC STABILITY UPHILL	14.7°
STATIC STABILITY SIDEWAYS	17.8°
SEAT PLANE ANGLE	6.5°
EFFECTIVE SEAT DEPTH	330 - 470 mm
EFFECTIVE SEAT WIDTH	340, 370 , 400 mm
SEAT SURFACE HEIGHT AT FRONT EDGE	480 mm
BACKREST ANGLE	80 to 100°
BACKREST HEIGHT	250 to 370 mm
FOOTREST TO SEAT DISTANCE	430 to 460 mm
LEG TO SEAT SURFACE ANGLE	102°
HANDRIM DIAMETER	570 mm
HORIZONTAL LOCATION OF AXLE	70 mm
RECOMMENDED TIRE PRESSURE	8 - 9 bar
DRIVE WHEEL SIZE ERTO	559 or 590
CASTOR WHEELS SIZE	102 mm or 127 mm
TIRES	On 559 Schwalbe One and on 590 Schwalbe Rightrun black
BRAKES	Eagle

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TiArrow reserves the right to make any technical changes and reserves the right to make any printing errors in this manual.

Contact

If you have any questions or need help with your wheelchair, contact your local supplier. To get in touch with the manufacturer see info below.



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