SUNRISE MEDICAL

RGK

# OCTANE FX

# OCTANEFX

# TECHNOLOGY

## The 'REAL' Made To Measure

Only RGK offers the Real Made to Measure with over 30 different measurements to personalise and create the perfect fit wheelchair for you.

## Revolutionary Q-lock™ folding front design

With the new and improved design, the Q-Lock™ transforms a lightweight rigid chair into one that can fit into an airline locker or just a small space, without compromising on rigidity.

## The highest quality materials

The Octane FX uses grade 9 titanium which is the highest quality of titanium and ensures a lightweight, and durable frame with a super smooth ride.

## Ultra lightweight

Weighing at just 5.5kg*, this is the ultimate wheelchair for the active lifestyle, making it effortless to transfer into the car or to push long distances.

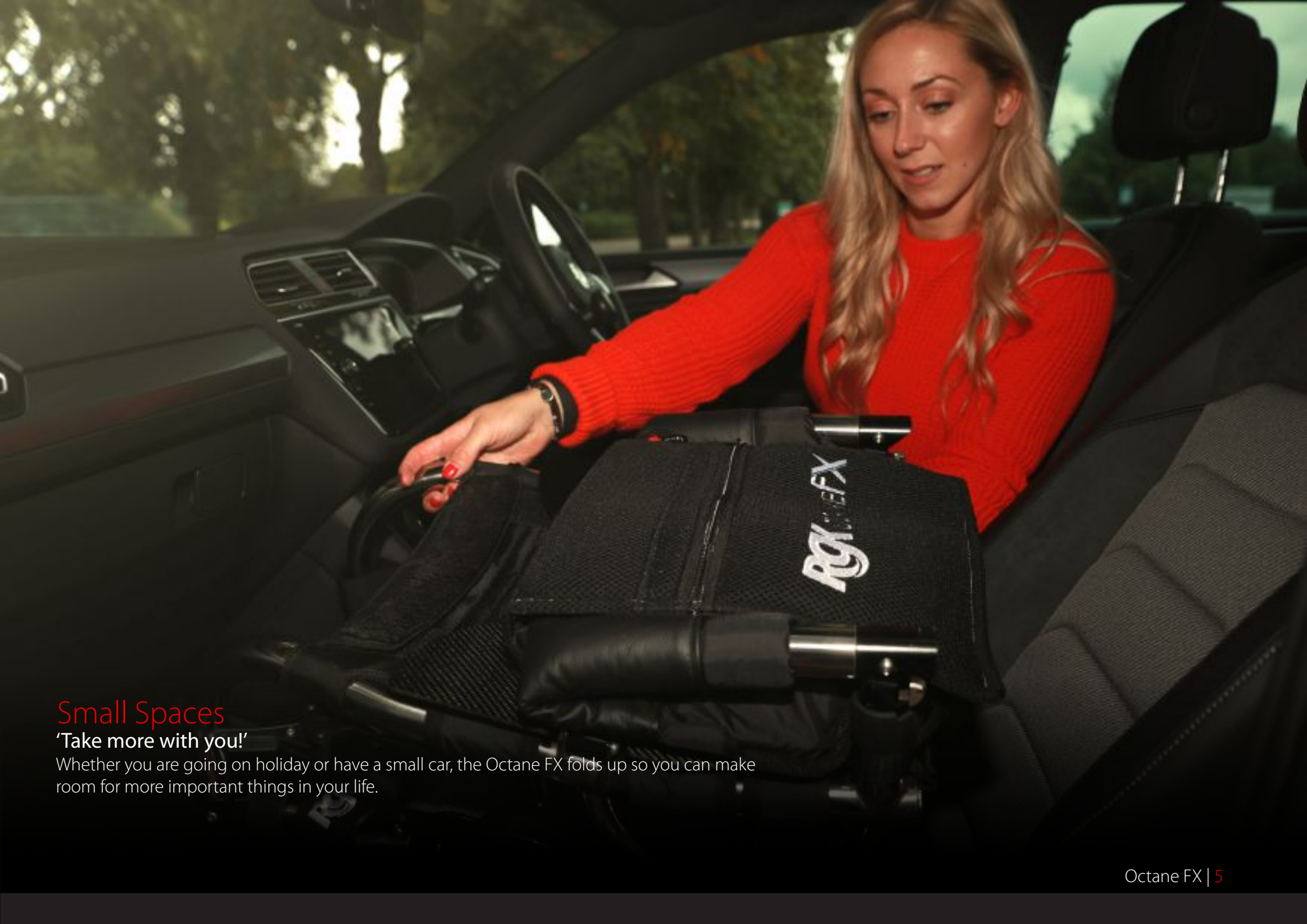
*Transport weight excluding wheels and cushion, and based on 400mm wide seat.

# Be Free

## Air Travel

**'Don't take the risk, take the FX'**

The Octane FX folds into a size that can fit into most airline over head lockers.  So when you get to your destination, you don't need to worry if your wheelchair made it in one piece, or at all!



# Small Spaces

**'Take more with you!'**

Whether you are going on holiday or have a small car, the Octane FX folds up so you can make room for more important things in your life.

# KEY FEATURES

AIRTECH UPHOLSTERY

FOLD FLAT SIDEGUARDS

GRADE 9 TITANIUM FRAME

Q-LOCK™ SYSTEM

LOW PROFILE CASTOR HOUSING

# COME INTO THE FOLD

**STEP 1:**
Fold down the sideguards.

**STEP 2:**
Use the Q-Lock™ system to fold down the backrest.

**STEP 3:**
Use the Q-Lock™ system to fold up the lower frame.

**STEP 4:**
Your Octane FX is now small enough te fit into most overhead lockers.

# Live Life

## Everyday

**'Do what you want to do'**

Your chair is an extension of you and allows you to get on with life whether it's chilling out or working hard.

### CAUTION

RGK does not recommend weight training in a daily use wheelchair, see the user manual for details.

# CASE STUDY

## Meet Sophie Carrigill

**'Paralympian, Role Model and all round superstar!'**

Sophie has a Spinal Cord Injury and does not mess around when it comes to living life. She not only plays wheelchair basketball for her country, but has a degree in Sports Psychology and is becoming a positive public figure for women everywhere. Oh, and she also happens to be an RGK ambassador!

# Sophie's Octane FX

## Why did she get an Octane FX?

"Over the years of being in a wheelchair I've realised what is most important to me. It has to be super streamlined, it needs to fit me snugly and be elegant in its appearance. As an athlete, your body naturally changes and it's amazing to have the ability to fine tune my measurements to the millimeter. I wanted a more compact chair overall and because I travel so much, the Octane FX was the perfect choice.

## What was the end result?

I didn't think I would be able to improve my seating position until I got into my new Octane FX. It fits me perfectly, and I feel so much more confident in myself. I never thought small changes would have such a big impact day to day. It's easier to push, lighter and now I can fold it up and take it everywhere! Plus it's so pretty... I honestly feel amazing in my Octane FX"

- Sophie Carrigill

# TECHNICAL STUFF

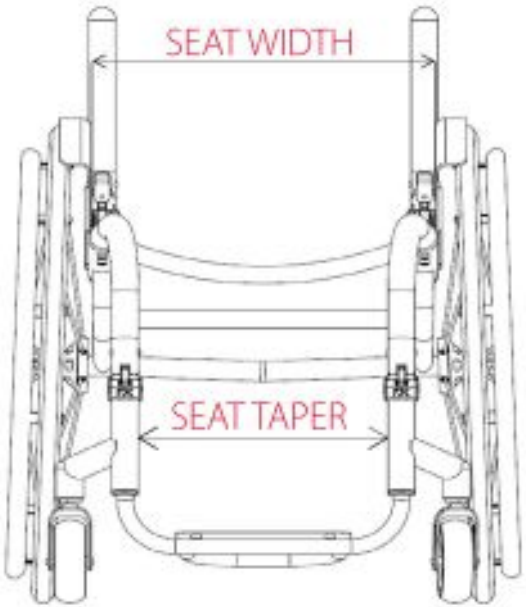
| DESCRIPTION | MIN | MAX |
|---|---|---|
| Overall length with leg rest (no wheels) | 400mm | 625mm |
| Overall width (seat width) | 250mm | 460mm |
| Folded height (only for chairs with folding backs) | 350mm | 450mm |
| Total mass (with wheels) | 7.5kg | 15kg* |
| Mass of the heaviest part (transport weight) | 5.5kg | 12kg* |
| Static stability downhill | N/A | rº of incline |
| Static stability uphill | N/A | 5º of incline |
| Static stability sideways | N/A | 5º of incline |
| Seat plan angle | 0º | 45º of tilt |
| Effective seat depth | 250mm | 460mm |
| Seat surface height at front edge | 480mm | 550mm |
| Backrest angle | -7º of tilt | 7º of tilt |
| Backrest height | 150mm | 400mm |
| Footrest to seat distance | 200mm | 520mm |
| Leg to seat surface angle | 70º of angle | 90º of angle |
| Armrest to seat distance | 150mm | 300mm |
| Front location to armrest structure | N/A | N/A |
| Hand rim diameter | 24”-in | 26”-in |
| Horizontal location of axle | 25mm | 150mm |
| Minimum turning radius | 270mm | N/A |

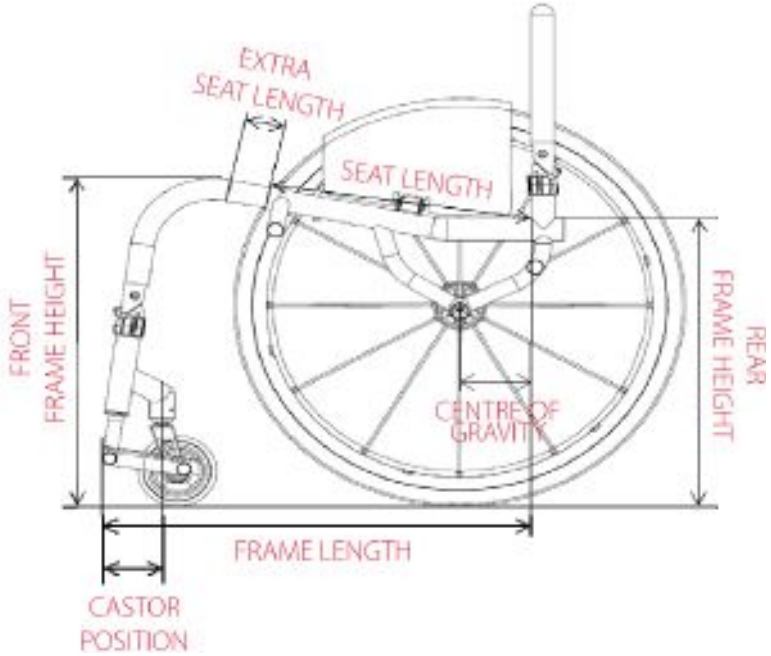
NOTE: The above is a guide. For any requirements outside of this table may result in a design change.

*Based on additional options, excluding third party wheelchair add-ons.

# MEASUREMENTS

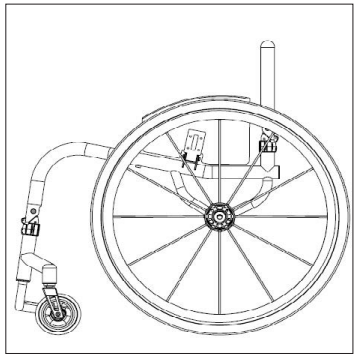
Seat width
Seat Length
Extra Seat Length
Front Frame Height
Rear Frame Height
Frame Length
Castor Position
Ergonomic Seat Length
Seat Taper Design
Parallel Taper Design
Front Footrest Height
Rear footrest Height
Footrest Length
Castor Pin Width
Sideguards Fender Height
Armrest Height
Optimised Sideguard Measurement
Sideguard Height
Sideguard Length
Fixed Backrest Height
Adjustable Backrest Height
Backrest Angle
Ergonomic Backrest Height
Ergonomic Backrest Rearward Position
Inward Backrest Taper
Outward Backrest Flare
Round Back Adjustable Centre of Gravity
Square back Adjustable Centre of Gravity
Single post Fixed Centre of Gravity
V-Style fixed Centre of Gravity
Centre of Gravity Camber Angle
Rear Wheel Gap
Welded Calf Strap Loop Height



# STANDARD OPTIONS

## Frame Design



Open Design

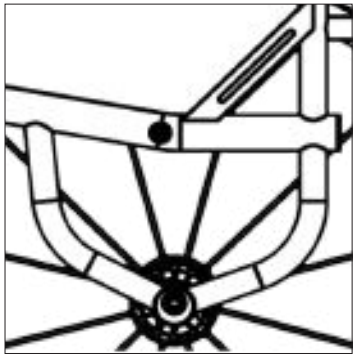
## Castor Wheel

Soft roll 4" x 1.3"

## Wheel Locks

Underseat scissor

## Centre of Gravity



Round back adjustable centre of gravity

## Footrest

Tubular footrest welded into frame with Aluminium plate

## Castor Fork

Low ride castor fork

## Backrest

Folding backrest with Q-Lock system.

## Rear Wheels

Fusion 16 spoke

## Hand Rims

Aluminium hard anodised
6 tab

## Frame Finish

Powder coated frame
(Various colours available)

## Backrest Upholstery

Airtech backrest strap
adjustable

## Tyre

Kenda

## Seat Upholstery

Seat sling adjustable
tension with straps

## Tool Kit

Tool kit

## Strapping

Calf strap

# ERGONOMICS

## ERGONOMIC SEAT

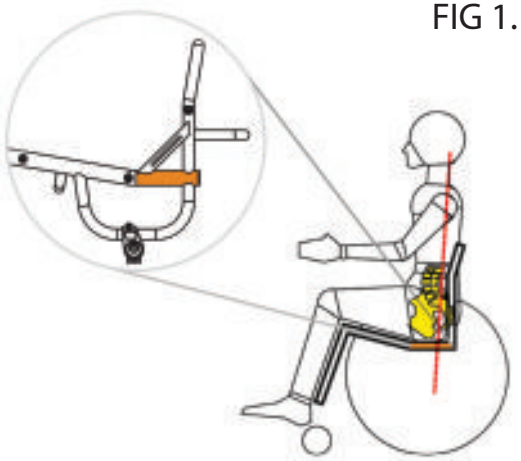
### What is an Ergonomic Seat?

An ergonomic seat provides a flat section at the rear which positions the user's pelvis (Fig 1). The individual measurement controls the length of the flat section.

### Why choose an Ergonomic Seat?

The ergonomic seat is recommended for users that require improved posture and balance. It provides optimum comfort, balance and posture for improved performance.

FIG 1.



## ERGONOMIC BACKREST

### What is an Ergonomic Backrest?

An ergonomic backrest follows the contours of the spine to match the user's body shape. It's available in various options to suit the individual's requirements (Fig 2).

### Why choose an Ergonomic Backrest?

An ergonomic backrest is recommended for users who require backrest support for improved balance and posture. It ensures that the spine is in the most comfortable and optimum postural position for balance and performance.

FIG 2.

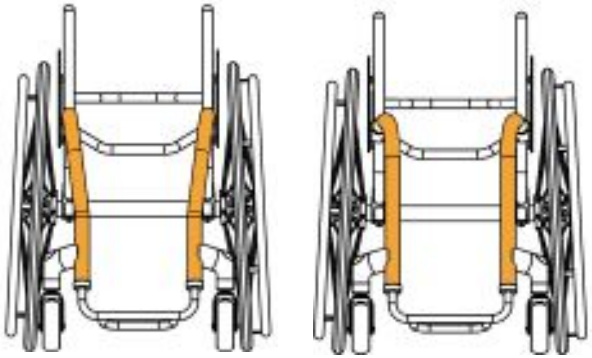
# ERGONOMICS

## FRONT FRAME DESIGN

### What is Front Frame Design?
Front frame design refers to the style and positioning of the front two tubular bars that bend down from the seat to the footrest and position the legs and feet (Fig 3).

### Why choose a Front Frame Design?
It is recommended for users that need lower limb support and positioning. It positions the legs in the most comfortable and stable position.

FIG 3.



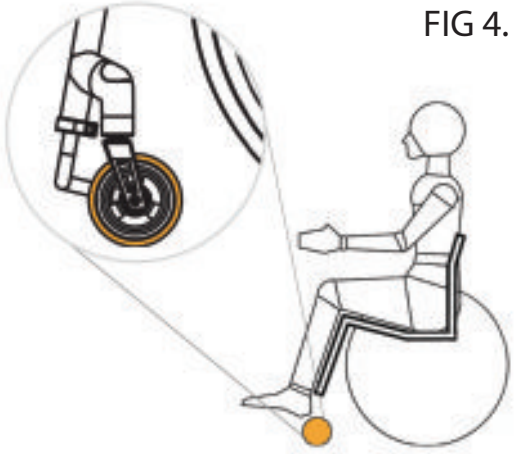
## CASTOR POSITION

### What is Castor Position?
This is the positioning of the two front castor wheels in relation to the user's feet based on their individual requirements (Fig 4).

### Why choose an Optimised Castor Position?
It is recommended for users that require a compact chair which is easy to transfer and propel. It makes the chair more compact, practical and manoeuvrable.

### What is Optimised Castor Pin Width?
Castor pin width is space between the centre of one castor wheel to the centre of the other. Optimising this measurement means choosing the best amount of space between castor wheels to ensure maximum efficiency and comfort.

FIG 4.



# OPTIONS Footrest style and cover

Tubular footrest welded into frame with Aluminium plate

Rubber grip tape

Tubular footrest welded into frame with Carbon plate

Clamp-on aluminium plate footrest

# OPTIONS Castor Wheels

3″ Aluminium centre 3″ x1″

4″ Soft roll 4″ x1.3″

4″ Aluminium centre 4″ x1″

4″ Carbon composite centre 4″ x1.25″

4″ Aluminium centre 4″ x1.4″ (various colours available)

## Colours available

Blue tyre Black hub

Black tyre Blue hub

Black tyre Green hub

Black tyre Red hub

Blue tyre Silver hub

Red tyre Black hub

Black tyre Gold hub

Black tyre Purple hub

Black tyre Silver Hub

Red tyre Silver hub

# OPTIONS Castor Wheels

5″ Aluminium centre 5″ x1″

5″ Soft roll 5″ x1.3″

5″ Aluminium centre 5″x1.4″

5″ Pneumatic Aluminium centre 5″ x1″

6″ Soft roll 6″ x1.3″

6″ Aluminium centre 6″x1.4″

## Castor Forks

Low ride castor fork

Froglegs suspension castor fork

# OPTIONS Wheel Locks & Armrests

## Armrests

Lift out armrest with plastic sideguard

Lift out armrest with aluminium sideguard

## Wheel Locks

Push to Lock

Out Front Push to Lock

## Wheel Locks

Underseat Scissor

Compact Scissor

Out Front Compact scissor

Compact scissor with lightweight fixing

# OPTIONS Sideguards

## Aluminium

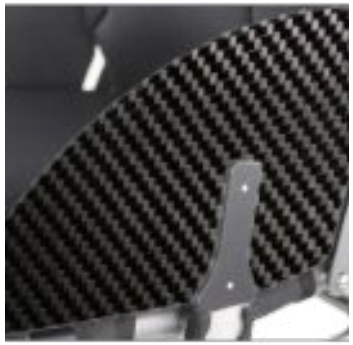
Lift out
aluminium

Lift out aluminium
with fender

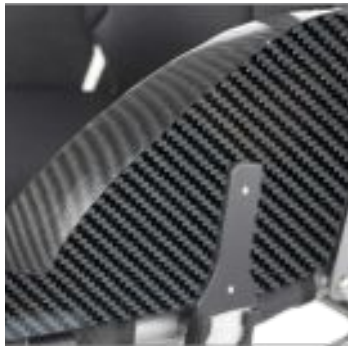
Fold flat
aluminium

Fold flat aluminium
with fender

## Carbon Fibre



Lift out
carbon fibre



Lift out carbon
fibre with fender

Fold flat
carbon fibre

Fold flat carbon
fibre with fender

# OPTIONS Sideguards, Push Handles & Centre of Gravity

## Sideguards - ABS Plastic

Lift out ABS plastic

Fold flat ABS plastic

## Push Handles

Screw in push handles

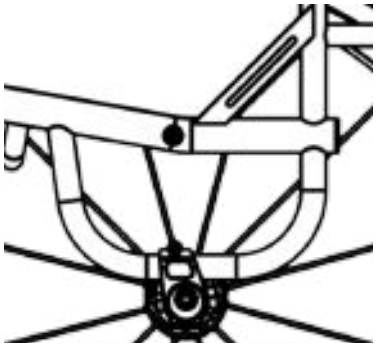
Flip down push handles

## Push Handles

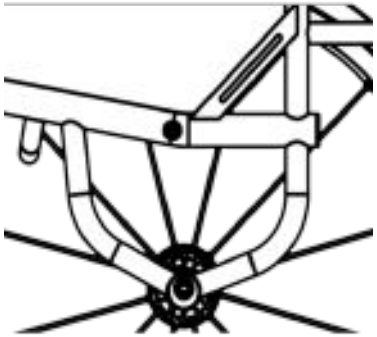
Flip down push handles height adjustable

## Centre of Gravity

Square Back adjustable centre of gravity



Round Back adjustable centre of gravity



V-Style fixed centre of gravity

# OPTIONS Camber Bar & Anti-Tips

## Camber Bar

Quad release axle nuts

Standard axle pin

100mm Titanium axle pin

Titanium 130mm
quick release axle pins

## Anti-Tips

Swingaway
anti tip LEFT side

Swingaway
anti tip RIGHT side

Quickie style Single
anti tip

# OPTIONS Rear Wheels

Fusion 16 spoke

Spinergy LX 12 spoke

Spinergy CLX 18 carbon blade spoke

Spinergy SPOX 18 spoke

Spinergy BLXL 18 blade spoke

Spinergy XLX 12 spoke cross/radial spoked

## Rear Wheel Colour Options

Black Hub

Red Hub/rims

Blue Hub/rims

Silver Hub

Purple Hub/rims

Custom Hub/rims

# OPTIONS Rear Wheels

## Colours available

Black spokes/
Silver Hub

Red spokes/
Black Hub

Yellow spokes/
Black Hub

Purple spokes/
Black Hub

White spokes/
Black Hub

Orange spokes/
Black Hub

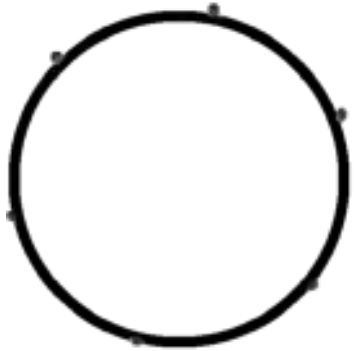
Green spokes/
Black Hub

Pink spokes/
Black Hub

Blue spokes/
Black Hub

# OPTIONS Handrims

Aluminium hard anodised 6 tab



Para grip 6 tab

Tetra grip 6 tab

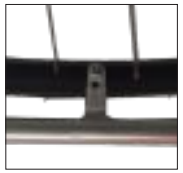
Titanium 6 tab

Stainless steel 6 tab

Surge LT 6 tab

Ergo grip 6 tab wide

## Handrim Position



Wide set handrim

Remove excess mounting tabs

Narrow set handrim

# OPTIONS Tyres

## Tyre Options

Kenda

Kenda Black

Schwalbe Marathon Plus

Schwalbe One

Shox solid airless

Kenda K885 mountain bike tyre

Schraeder Inner tube valve

Presta inner tube valve

Offroad wheel set 22" rim with handrim, MTB tyre and axle pins

Shox solid airless

Offroad wheel set 24" rim with handrim MTB tyre and axle pins

# COLOUR OPTIONS Finish Options

## Finish Options

Brushed Components/Frame

Polished Components/Frame

## Accent Colour

Black Accent

Red Accent

Purple Accent

Silver Accent

Blue Accent

# COLOUR OPTIONS Powder Coated Colour Options

## GLOSS

Black Gloss (103)

White Gloss (100)

Grey Gloss (132)


Cream Gloss (135)

Red Gloss (108)


Yellow Gloss (120)

Forest Green Gloss (143)

Green Gloss (107)

Dark Blue Gloss (151)

Royal Blue Gloss (154)

Blue Gloss (174)

Duckegg Blue Gloss (141)

Pink Gloss (188)

Orange Gloss (180)

Purple Gloss (157)

## MATTE

Black Matte (105)

White Matte (101)

Grey Matte (131)


Light Grey Matte (133)

Navy Blue Matte (152)

## SPECIAL

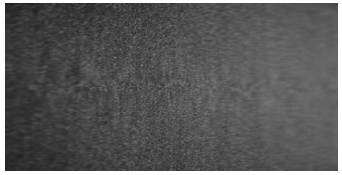
Chrome Mirror (300)

Silver Sparkle (170)

Metallic Black Matte (104)

Metallic Grey Matte (130)

Black Sandpaper (201)


Grey Sandpaper (202)

White Sandpaper (200)

# OPTIONS Upholstery

## Backrest Upholstery

Airtech backrest strap adjustable

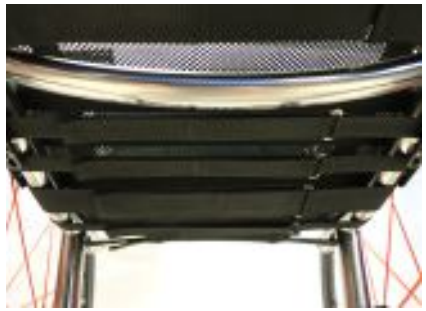
Airtech sub4 backrest strap adjustable

Backrest upgrade to full leather

Backrest upgrade to leather corners

## Seat Upholstery

Seat sling adjustable tension with straps



Seat sling adjustable Sub4

Carbon fibre seat plate

# OPTIONS Upholstery

## Backrest Accessories

Backrest with zip pocket

Individual backrest embroidery

## Stitching and Logo Options

Silver

Red

Black

Blue

Light Blue

Purple

# OPTIONS Cushion

## JAY Cushion Options

JAY Extreme
Active fluid pad

JAY Easy
Visco

## Cushion Options

Cushion foam
with nylon cover

Air Lite
cushion cover

Leather
cushion cover

# OPTIONS Additional Accessories

## Chair Accessories

FrontWheel

Frame protectors
neoprene zip fasten

Calf Strap

Toop Kit

Rucksack with
RGK logo

FX Carry Bag

Seat pouch
velcro attach

For further information on the full specification, options and accessories, please check the order form on our website. All information is subject to change without notification. Please consult RGK with any queries you may have. If you are visually impaired, this document can be viewed in PDF format at www.RGKWheelchairs.com or alternatively it is available on request in large text.

# rgkwheelchairs.com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