



OCTANEFX



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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.

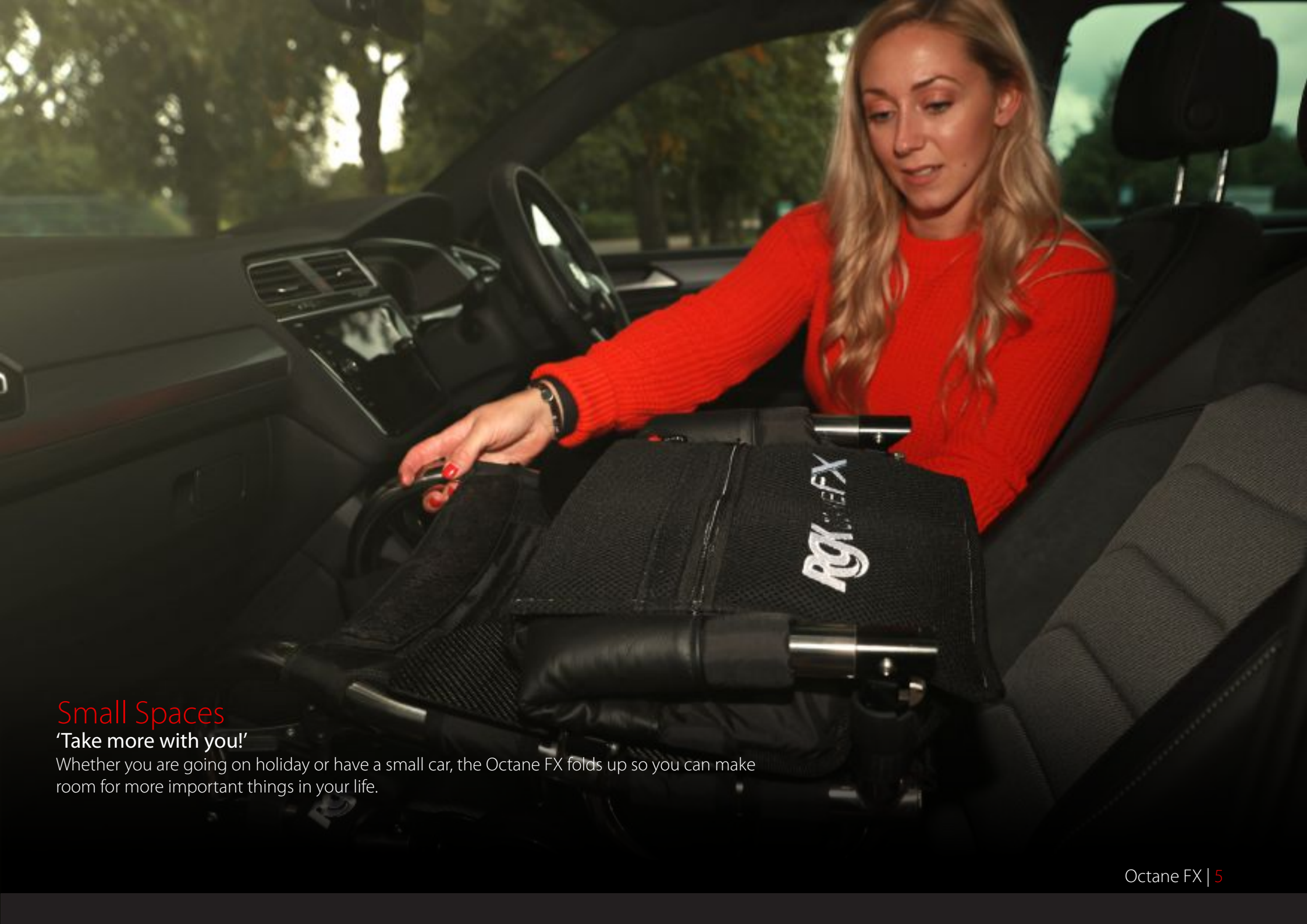
Be Free



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 to 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	r° of incline
Static stability uphill	N/A	5° of incline
Static stability sideways	N/A	5° of incline
Seat plan angle	0°	45° of tilt
Effective seat depth	250mm	460mm
Seat surface height at front edge	480mm	550mm
Backrest angle	-7° of tilt	7° of tilt
Backrest height	150mm	400mm
Footrest to seat distance	200mm	520mm
Leg to seat surface angle	70° of angle	90° 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.

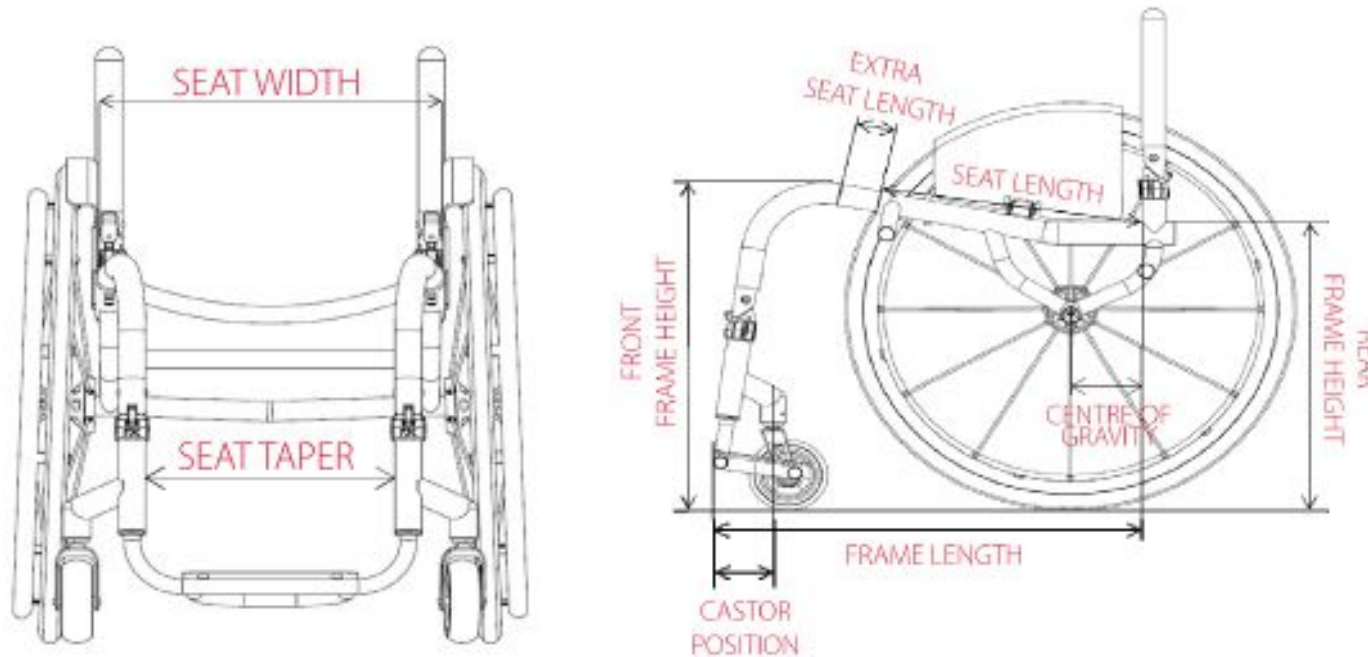
*Based on additional options, excluding third party wheelchair add-ons.

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

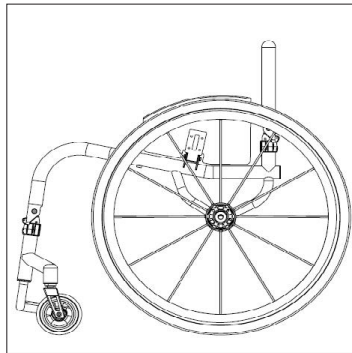
Rear footrest Height
Footrest Length
Castor Pin Width
Sideguards Fender Height
Armrest Height
Optimised Sideguard Measurement
Sideguard Height
Sideguard Length
Fixed Backrest Height
Adjustable Backrest Height
Backrest Angle

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



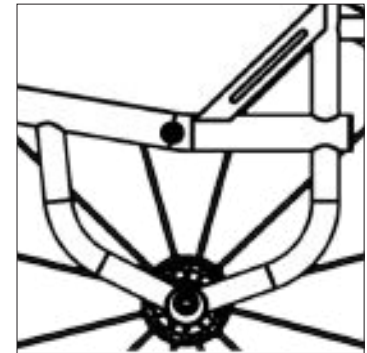
Soft roll 4" x 1.3"

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

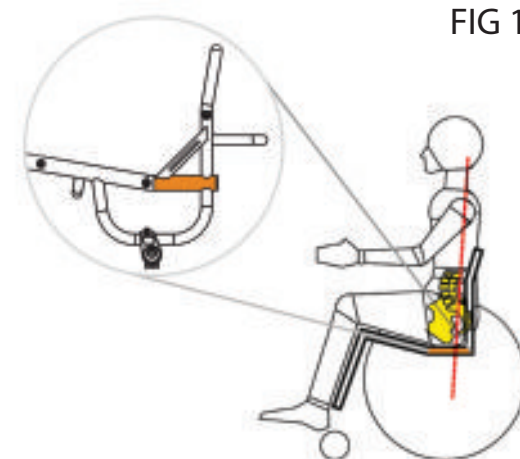
ERGONOMIC SEAT

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.



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.



ERGONOMICS

FIG 3.

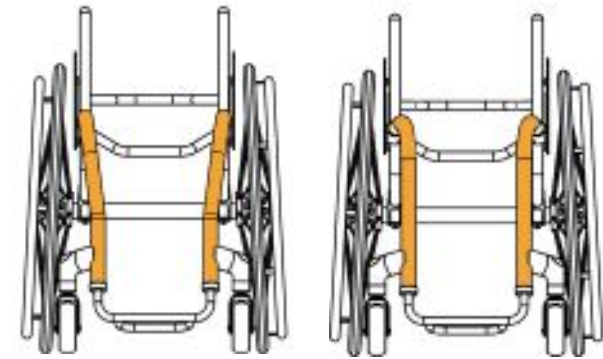
FRONT FRAME DESIGN

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.



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).

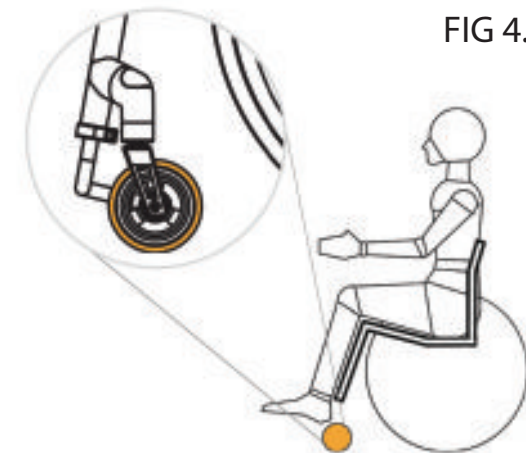
Why choose an Optimised Castor Position?

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" x 1"



4" Soft roll 4" x 1.3"



4" Aluminium centre 4" x 1"



4" Carbon composite centre 4" x 1.25"

Colours available



4" Aluminium centre 4" x 1.4"
(various 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"

Castor Forks



6" Soft roll 6"x1.3"



6" Aluminium centre 6"x1.4"



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

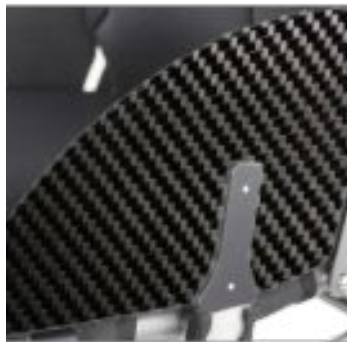


Fold flat aluminium

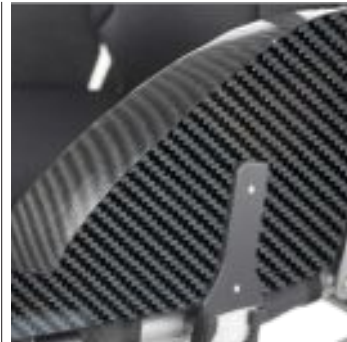


Fold flat aluminium with fender

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



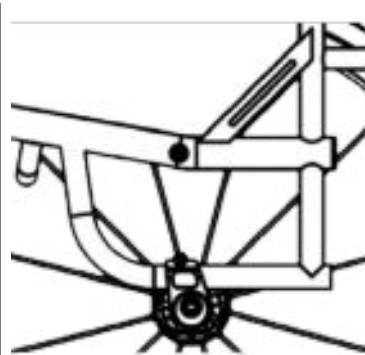
Flip down push handles

Push Handles

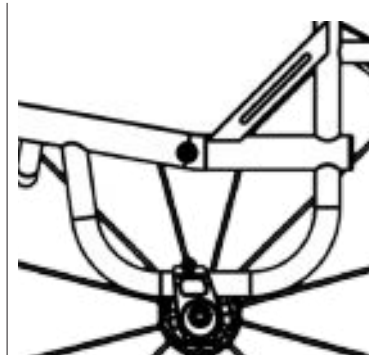


Flip down push handles height adjustable

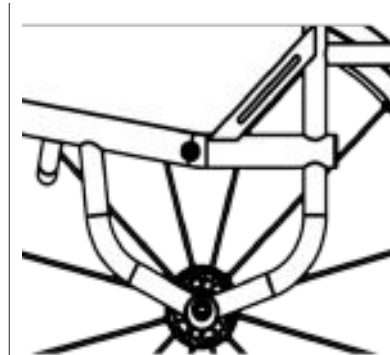
Centre of Gravity



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



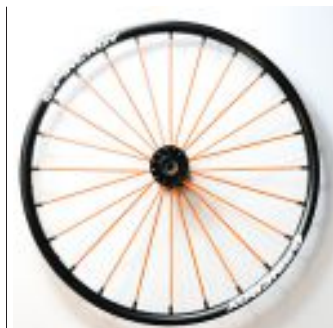
Yellow spokes/
Black Hub



Purple spokes/
Black Hub



White spokes/
Black Hub



Orange spokes/
Black Hub



Green spokes/
Black Hub



Pink spokes/
Black Hub

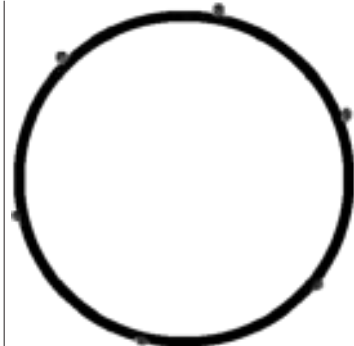


Blue spokes/
Black Hub

OPTIONS Handrims



Aluminium hard anodised 6 tab



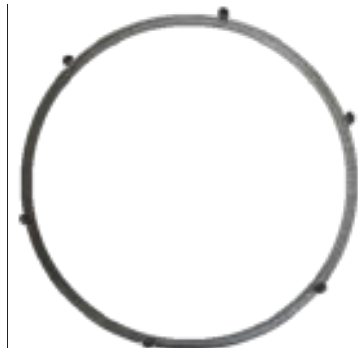
Para grip 6 tab



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



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

Shox solid airless

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)



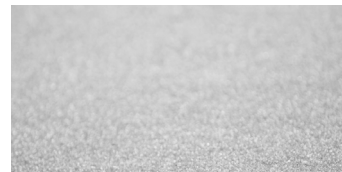
Metallic Grey Matte (130)



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



Tool Kit



Rucksack with
RGK logo



FX Carry Bag



Seat pouch
velcro attach



MADE FOR LIVING

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.





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