

# NITRUM

ENERGY INTO MOTION



**QUICKIE**  
Live without limits.

Ultra-Lightweight  
Wheelchairs



QUICKIE Nitrum



QUICKIE Nitrum Hybrid

# QUICKIE NITRUM

Elevate your ride to a whole new level! The QUICKIE Nitrum is engineered to efficiently convert your energy into motion allowing you to propel with the least amount of effort.

QUICKIE's decades of experience developing high-end manual wheelchairs coupled with feedback from wheelchair users drove the design of the Nitrum. For active users who are looking for unmatched driving performance, innovative details and a large variety of options, the Nitrum creates the perfect match for fit and performance.

## NEVER COMPROMISE. WE DON'T EITHER.

When designing the lightest rigid wheelchair without compromising stability or load ability, several components must come together:

- Innovative development
- Leading-edge technology
- High-end materials

With its striking design, smart details and unbeatable performance the Nitrum elevates your ride to a whole new level.



# LIGHTEST IN ITS CLASS WITHOUT COMPROMISE

The minimalistic open frame design is made of a special ovalized 7020 series aerospace aluminum that has been heat treated using ShapeLoc technology.

Together with the hollow forged caster link tubes, we've minimized the total weight and therefore total energy expenditure needed for propulsion. Drive further and faster without getting tired.



## TWO FRAMES, OPEN OR HYBRID

- Clean, minimal design
- Easy to handle and stow
- Fold-down backrest with one-hand release
- Up to 136 kg weight capacity

## HIGHLY CONFIGURABLE

- Frame angle
- Front frame inset
- Lower leg length selection
- Caster position

## HIGHLY ADJUSTABLE

- Backrest
- Centre of gravity
- Casters



## CHOOSE...OPEN FRAME

## LIGHTEST WEIGHT, SIMPLE DESIGN

The lightest adjustable rigid aluminum wheelchair in class with a minimalistic open frame design which makes it easy to propel, extremely transport friendly, and easy to stow.

## SIMPLICITY + STRENGTH

Along with its super clean look, the Nitrum is suitable for users up to 125 kg and offers the full range of adjustability and options.



## OR...HYBRID FRAME

## MOST RIGID, STILL LIGHTWEIGHT

The Nitrum Hybrid offers a reinforced front frame without compromising its proven lightweight construction.

The dual tube design is suitable for users up to 136 kg and combines extraordinary stability with durable lightweight construction and full adjustability. This leads to an ultra-stiff frame design and an unrivalled rigid ride.



# FIT FOR PERFORMANCE

We are convinced you deserve a chair that meets your individual needs. This is why the Nitrum has greater configurability to help achieve YOUR perfect fit.

Each chair is made by hand in US, and is unique, just like you.

## CONFIGURED TO YOU

Individually position your feet, lower leg, and pelvis in the best possible way for improved handling and efficient propulsion.

- Three Frame Angles: 75°, 80°, 85°
- Three Frame Insets: 0", 1", 2"
- 89 seat width / seat depth combinations, up to 20"
- Lower leg length selection
- Two caster positions

The perfect match for fit and performance.



# THE DETAILS MAKE THE DIFFERENCE

## PATENTED, ADJUSTABLE CASTER SYSTEM

Instead of several welded parts, we use a reinforced and patented caster mechanism in a single hollow-forged component. The fewest possible elements and no moving parts give you amazing driving performance – ultra lightweight yet strong, durable without compromising adjustability.

Caster position is optimized for handling, turning, and maximized propulsion efficiency. Casters may be positioned narrower for more maneuverability or wider for greater stability.

### Fine-Tuned Adjustment

- Angle
- Camber
- Height

## ADJUSTABLE BACKREST

The forged aluminium backrest bracket and locking mechanism are rigid and solid with virtually no play. Angle-adjustment and folding are separate mechanisms. Easy to adjust.

## COMPACT WHEEL LOCK

We've designed a better wheel lock in terms of function, strength, and even weight.

- Redesigned housing controls play and improves durability
- Enhanced wheel lock engagement
- Transfer-friendly design
- Available as direct mount, reducing weight an additional 0.17 kg



# ONE-HANDED FOLDED BACKREST

Choose from two folding mechanisms.  
Both offer simple one-handed release and a clean look.



**Twist-Lock** (optional)



**Release Bar** (standard)





# SEE AND BE SEEN

**LED Lights** mounted on each caster arm allow you to see and be seen.

- Composite housing is water and shock proof
- Four LEDs per side light up the area around the caster wheels
- Three Modes: high, low, and blink
- Control box is mounted inconspicuously on the calf strap and includes a detachable/rechargeable Li-Ion battery
- Four hours of run time

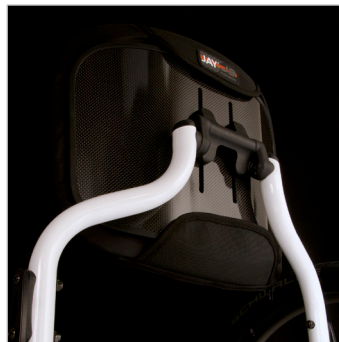
## ADDITIONAL OPTIONS



### Tension Adjustable Seat Sling

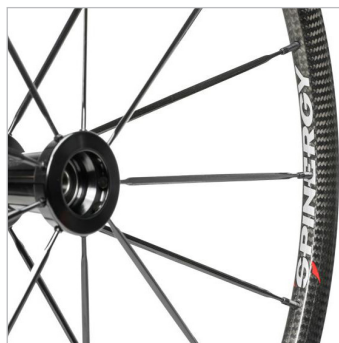
Breathable fabric with block-and-tackle tension-adjustment is easy to tighten, and its double-loop mechanisms will remain secure.

Helps position the pelvis lower than the thighs for additional postural stability.



### Freestyle® Back Option

Freedom to move, ergonomic pushing.



### Spinerig Wheel and Handrim Options

- Spinerig® CLX carbon fiber wheel
- Spinerig® SPOX / LX colored spokes in blue, red, white, green, pink, purple, or yellow
- Stainless steel handrim
- Tab mount handrim: Standard or Narrow



## ACTIVE RIGID OPTION

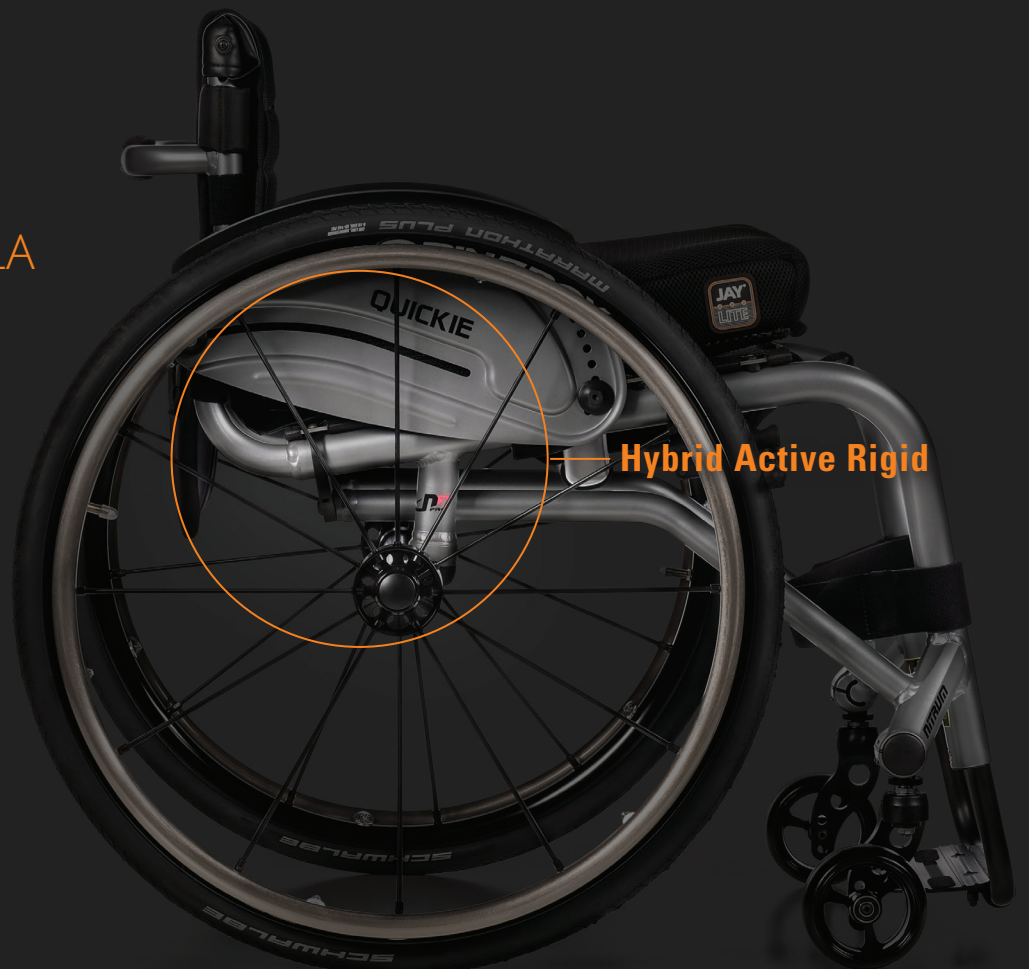
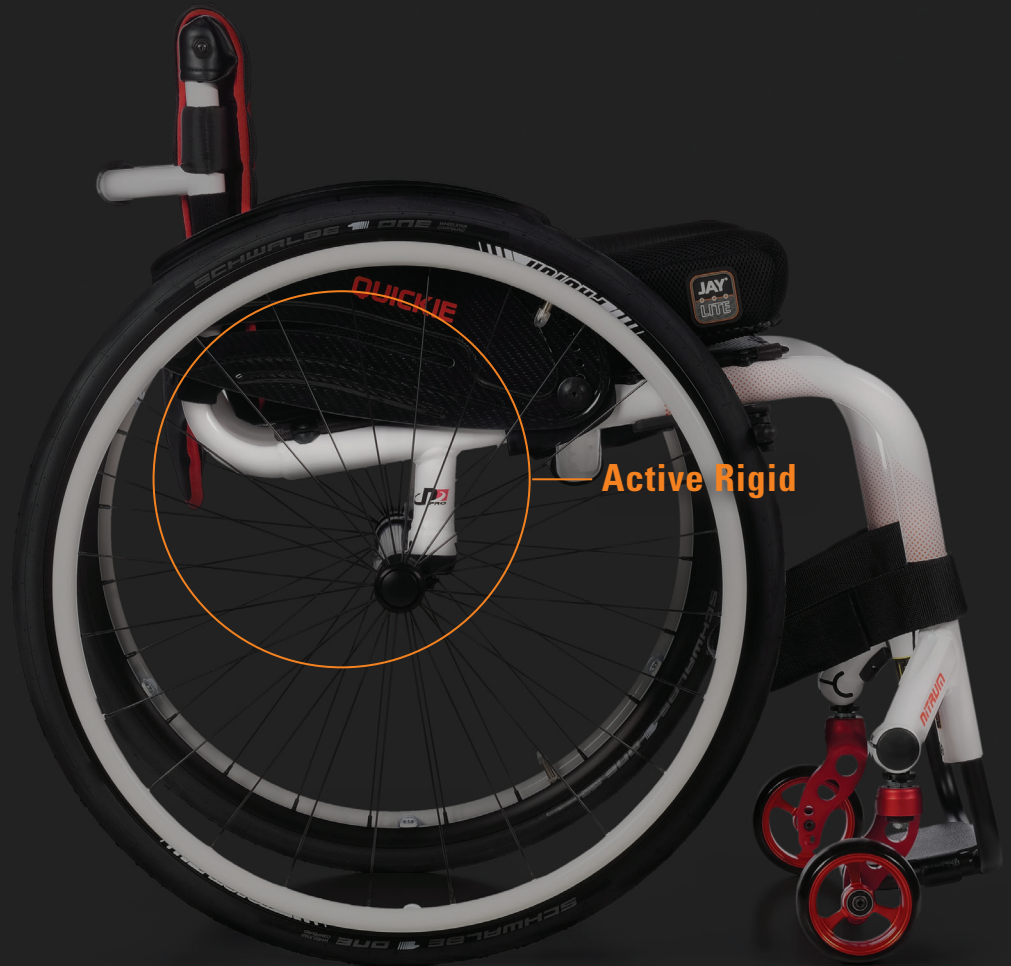
During development of the Nitrum series, we made it our goal to optimize weight savings of each component and to achieve maximum rigidity. **NITRUM ACTIVE RIGID FRAMES** take this principle to extremes.

Both chairs are based on the same lightweight construction as Nitrum and Nitrum Hybrid, but are characterized by the fixed welded backrest and axle stems which save even more weight, increase frame-stiffness, and reduce moving parts.

## A SIMPLE FORMULA

Less moving parts means:

- Less play
- Less maintenance
- Lower weight



# PERSONALISED PERFORMANCE

Express your style with colored upholstery trim, anodised caster wheels and forks, painted handrims, frame graphics, and 29 different frame color options.

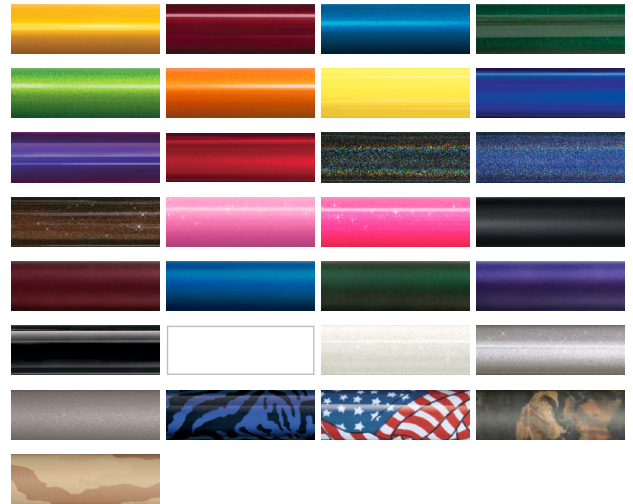
## Upholstery Trim Colors



## Anodised Castor Fork Colors



## Frame, Handrim and Hub/Rim Colors



## Anodised Lightweight Wheels



## Frame Graphics



# NITRUM

## SPECIFICATIONS

	NITRUM	NITRUM HYBRID
Frame material	7020 Oval Aluminum	7020 Oval Aluminum
Seat width	12" to 20"	12" to 20"
Seat depth	12" to 20"	12" to 20"
Frame angles	75°, 80°, 85°	75°, 80°, 85°
Seat height front	16" to 21"	16" to 21"
Seat height rear	13" to 20" Height Adjustable: 10" to 20"	13" to 20" Height Adjustable: 10" to 20"
Backrest height (fixed)	8" to 19" (20.3 to 48.3 cm)	8" to 19" (20.3 to 48.3 cm)
Backrest angle adjustment	- 8° to 27°	- 8° to 27°
Center of gravity (COG)	0° to 4°	0° to 4°
Chair weight	8.3 kg	9.2 kg
Transport weight	4.9 kg	5.8 kg
Weight capacity	125 kg	136 kg
Transit	Yes *	Yes *

See order form as specifications may vary based upon configuration.

\*Conforms with ANSI/RESNA WC-19 standards

## READY TO HAVE SOME FUN?

Use our **ONLINE VISUALISER** to create the **NITRUM** of your dreams!



Scan with your phone's camera to start creating your own Nitrum.

Build your perfect NITRUM today with our online visualiser. Create the wheelchair of your dreams with our many options available. Visit [sunrisemedical.com.au/NITRUM](http://sunrisemedical.com.au/NITRUM) for this and more!

See your Quickie Nitrum with **AUGMENTED REALITY**



See the Nitrum in your own space, using the AR app.

Perfect match! See how the NITRUM looks in front of your very eyes with our Augmented Reality application. Scan the barcode with your phone's camera to see the NITRUM in your own environment with the AR app.

# medifab

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