



QUICKIE NITRUM

Billing Address Or Customer-ID			Shipping Address	Identical To Billing Address
C.-ID:			C.-ID:	
Name:			Name:	
Street:			Street:	
Town/PC:			Town/PC:	
E-Mail:			E-Mail:	
Phone:			Phone:	
Order Information			User Weight	
Order	Calculation	Built-4-Me [®]	Max. user weight: 140 kg	
Purchase Order No.:			User Weight:	kg
Art. No.: 66000001				
Order Date:	Day	Month	Year	

Weight

We want to be very transparent on weight. The following information will be a guide to the lightest possible Nitrum: how to achieve a 7,5 kg wheelchair, and how to order the lightest possible configuration for your Nitrum.

Nitrum: 7.5 kg configuration

Frame: high frame, 92°, 30 mm inset, seat width: 360 mm, seat depth: 400 mm. Seat height: front 470 mm, rear 430 mm. Seat-sling Airflow

Footrest: tubular footrest

Forks and casters: 111 mm carbotechnology fork; 4" Castor, solid (soft), rim: lightweight



Backrest: Lightweight Aluminium backrest, push-bar release, 325mm height; without push-handles

Sideguards: Carbon fibre, slim-style

Axle-tube : Axle-assembly superlight

Wheel-locks: Compact brake EVO, superlight

Rear wheels: 24" Proton wheels with Aluminium handrims (coated or anodized) and Schwalbe One tyres; quick-release axles superlight

(Please mind that there is a 5% tolerance on all weight specifications due to weight deviations on mounting parts (tyres, caster-wheels etc.)

Lightweight-Guide for ordering the Nitrum

Sunrise Medical offers a wide variety of options for the Nitrum to suit every user's needs. However, most options add significant weight to the wheelchair. To make this more transparent when filling in the order-form, and to assist you in ordering the lightest possible wheelchair, we indicate the approximate weight-increase of the options on the order form:

- (L) Indicates the lightest possible option within the range of options
- (+) Indicates that this option adds more than 500 g to the wheelchair's weight compared to the lightest option within the range

Lightweight-Options for the Nitrum

We developed several options for the Nitrum to save weight on the chair without sacrificing daily-use suitability, comfort or durability



// **Axle-assembly superlight, (NTR010403)** : (only 0° camber): glued into the axle-tube, no adjustability of the track-width possible (-160 g compared to NTR010402 carbon axle-tube)



Castor, solid (soft),superlight (NTR080060): lightweight rim, made of carbon-composite material (-80 g compared to Castor, solid (soft), rim: aluminium)



Quick-release axle superlight, Titan (NTR070153): (-70 g compared to Standard steel quick-release axles)

Nitrum		£
NTR010034	Nitrum: Open frame, backrest-angle and CoG adjustable, 125 kg max user weight	2,950
NTR010035	Nitrum: Hybrid frame, backrest-angle and CoG adjustable, 140 kg max user weight (+)	2,950

Seat Width											£
(mm)	320	340	360	380	400	420	440	460	480	500	

Seat Depth											£
(mm)	340	360	380	400	420	440	460	480	500		

Dimensions																	£
Fork (Length)	Frame	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	
3" (111mm)	Low																
3" (111mm)	High																
4" (111mm)	Low																
4" (123mm)	Low																
4" (111mm)	High																
4" (123mm)	High																
5" (111mm)	Low																
5" (123mm)	Low																
5" (111mm)	High																
5" (123mm)	High																
6" (123mm)	Low																
6" (123mm)	High																

Rear Seat Height (the rear seat height can only be between 0 mm and 130 mm below the selected front seat height)																£
Rear Seat Height in mm	370	380	390	400	410	420	430	440	450	460	470	480	490	500		
24" Rear Wheels (3) (5)																
25" Rear Wheels (4) (5)																

Seat		£
Seat Sling		
NTR020002	Seat sling, nylon, tension adjustable, 1 utility bag	0
NTR020012	Seat sling, lightweight strap-style (airflow), tension adjustable with 1 utility bag (L)	0
Seat accessories		
NTR090018	Positioning belt	73
JAY Cushions – for complete product range see JAY order forms		
JAY020002	JAY Basic	73
JAY020001	JAY Easy Visco C	177
JAY020007	JAY Easy Fluid, Curved Base	406
JAY020004	JAY Lite, Curved Base	286

Backrest						£
NTR030157	Aluminium backrest, push-bar release					
	250-300	300-350	350-400	400-450		
	250	300	350	400		
	275	325	375	425		
	300	350	400	450		
NTR030158	Aluminium backrest, twist-lock release					99
	275	325	375	425		
	300	350	400	450		
NTR030159	Lightweight Aluminium backrest, push-bar release (L)					0
	250	300	350	400	450	
	275	325	375	425		
	NTR030404	Backrest cross-tube, wide (78 mm clearance between backrest upholstery and cross-tube)				0
	NTR030403	Backrest cross-tube narrow (48 mm clearance between backrest upholstery and cross-tube) (L)				0
NTR030012	Backrest, angle-adjustable, non foldable (L)					0
NTR030015	Backrest, angle-adjustable, fold-down					0
NTR030102	Backrest, angle-adjustable, fold-down, locked when folded					94

Push Handles						£
NTR030200	Omit Push Handles (L)					0
NTR030201	Push handles, long					0
NTR030203	Push handles, fold-down					94
NTR030204	Push handles, height-adjustable (+)					219

Backrest Upholstery						£
NTR030317	EXO PRO Backrest, synthetic fibre, padded, adj., breathable, spacer fabric, 1 accessory bag, black					0
	Colour Binding Tape	Black	Orange	Silver	Red	Blue

Freestyle Back						£
NTR030090	Freestyle back with J3 Carbon Back (SC) (+)					957
	Backrest shell height 240 mm					
	Backrest shell width 320 mm – can be used from SW 320 mm					
	Backrest shell width 370 mm – can be used from SW 380 mm					
	Backrest shell width 420 mm – can be used from SW 440 mm					
	Backrest shell height 310 mm					
	Backrest shell width 320 mm – can be used from SW 320 mm					
	Backrest shell width 370 mm – can be used from SW 380 mm					
	Backrest shell width 420 mm – can be used from SW 440 mm					
NTR030012	Backrest, angle-adjustable (non foldable)					0
NTR030015	Backrest, angle-adjustable, fold-down. Standard colour: black					0
	Black	Orange	Silver	Red		
NTR030102	Backrest, angle-adjustable, fold-down, locked when folded. Standard colour: black					94
NTR030211	Push handles removable					219

Jay Backs					£	
JAY J3 Carbon Back, Shallow Contour (SC)		Short (S) (+)		Tall (T) (+)		
Lower Thoracic		JAY060001		JAY060002		853
Mid Thoracic		JAY060003		JAY060004		853
Accessories for JAY J3 Backs						
WHT030415	Whitmyer Headrest, COBRA XTRA, flip back				338	
WHT030416	Whitmyer Headrest, AXYS, Standard				338	
JAY090058	JAY Accessory bag				63	

Armrest & Sideguards					£
NTR040107	Sideguard, composite, removable (L)				0
NTR040102	Sideguard, aluminium, straight (in frame colour)				99
NTR040103	Sideguard, aluminium, fender (in frame colour)				156
NTR040101	Sideguard, lightweight, straight (L)				260
NTR040104	Sideguard, lightweight, fender				260
NTR040050	Single-post, user operated height adjustable removeable armrest, (250 mm armpad) (+)				188
NTR040051	Single-post, user operated height adjustable removeable armrest, (330 mm armpad) (+)				188
NTR040052	Single-post, tool height adjustable removable armrest, integrated sideguard (330 mm armpad) (+)				188

Armrest & Sideguards					£
NTR040061	Flip-Back option for sideguards (only with aluminium sideguard NTR040102)				0

Footboards					£
NTR050029	Footrest, tubular, aluminium (L)				0
NTR050030	Footrest, tubular, aluminium with cover				99
NTR050025	Platform footplate angle & depth adjustable, composite				156
NTR050024	Platform footplate angle & depth adjustable, aluminium				203
NTR050026	Platform footplate angle & depth adjustable, lightweight				240
NTR050034	Platform footplate angle & depth adjustable, aluminium, high-mount, calf strap				203
NTR050125	Performance footplate angle adjustable				297
NTR050128	Platform footplate angle & depth adjustable, composite, flip-up (to the back) (+)				297
NTR050022	Divided footplates, aluminum, angle-adjustable, flip-up (sideways), heel loop (+)				156
NTR050127	Adjustable side protection, to create a side-stop on the footboard				26

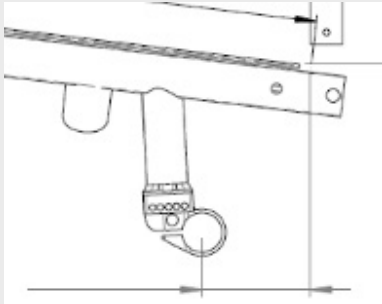
Lower Leg Length (LLL)								£
220	230	240	250	260	270	280	290	
300	310	320	330	340	350	360	370	
380	390	400	410	420	430	440	450	
460	470	480	<input type="checkbox"/> 490	<input type="checkbox"/> 500	<input type="checkbox"/> 510	<input type="checkbox"/> 520		

Low frame: LLL 220 - 350 mm only with high mounted footrest; for all other footrests from LLL 360 - 500 mm.

High Frame: LLL 220 - 390 mm only with high mounted footrest; for all other footrests from LLL 400 - 520 mm.

Frame Options			£
Frame Length			
NTR010206	Frame standard		0
NTR010207	Frame long		0
Frame Angle			
NTR010012	80° frame		0
NTR010013	88° Performance frame		0
NTR010009	92° Performance compact frame		0
Frame Inset			
NTR010100	Inset: Standard (0 mm)		0
NTR010101	Inset: Small (10 mm)		0
NTR010103	Inset: Performance (30 mm)		0
Accessories			
NTR110156	Twin-LED light (mounted on caster links, battery and controller on calf-strap)		156
NTR010040	Design frame protection		89

Centre of Gravity		£
COG20	Centre of Gravity 2cm	
COG32	Centre of Gravity 3.2cm	
COG44	Centre of Gravity 4.4cm	
COG56	Centre of Gravity 5.6cm	
COG68	Centre of Gravity 6.8cm	
COG80	Centre of Gravity 8.0cm	
COG92	Centre of Gravity 9.2cm	
COG104	Centre of Gravity 10.4cm	



Frame Accessories			£
Tip assist (step tube)			
NTR090001	Tip assist, left		37
NTR090002	Tip assist, right		37
NTR090003	Tip assist, pair (+)		74
NTR090009	Crutch holder		84
Anti-tip tubes swing-away			
NTR090004	Anti-tip tubes, swing-away, left (+)		130
NTR090005	Anti-tip tubes, swing-away, right (+)		130
NTR090006	Anti-tip tubes, swing-away, pair (+)		203
NTR090007	Anti-tip tubes, plug-in, pair (+)		99
Anti-tip flip up (user operated)			
NTR090033	Anti-tip tubes, flip-up (upwards), LH (+)		182
NTR090008	Anti-tip tubes, flip-up (upwards), RH (+)		182
NTR090035	Anti-tip tubes, aluminium, sport, plug-in (+)		364
NTR090010	Transit wheels		245
NTR090016	Frame protection		89

Castor Forks						£
NTR080013	Castor fork, Carbotechnology ® (not suitable / approved for power add-ons), black (L)					0
	Orange	Silver	Red	Blue		
NTR080029	Castor fork, Aluminium, black					0
	Orange	Silver				
NTR080008	Castor fork, Aluminium, one-arm, black					224
	Orange	Silver	Red	Blue		

Castor Wheels						£
NTR080301	Narrow Castor, Composite Rim, Solid (Hard), Grey Tyre					0
NTR080302	Wide Castor, Composite Rim, Solid (Soft) Grey Tyre					0
NTR080304	Narrow Castor, Aluminium Rim, Solid (Hard) Black Tyre					52
NTR080306	Wide Castor, Aluminium Rim, Solid (Soft) Black Tyre					52
	Colour Rim:	Black	Orange	Red	Blue	
NTR080060	Lightweight Standard Castor, Carbon Composite Rim, Black Tyre (L)					0

Rear Wheels						£
NTR070001	Rear wheel, Universal, 36 spokes (silver), cross-wise spokes (+)					0
NTR070002	Rear wheel, Design, 36 spokes (silver), straight spokes (+)					0
NTR070003	Rear wheel, Lightweight, 24 spokes (silver), straight spokes					0
NTR070004	Rear wheel, Proton, 24 spokes (black), straight spokes (L)					104
NTR070005	Rear wheel, Spinergy, 18 spokes (black), straight spokes; hub: silver					515
NTR070007	Rear wheel, Spinergy, 12 spokes (black), straight spokes, hub black					619
NTR070009	Rear wheel, Mountainbike, 36 spokes (silver), straight spokes (+)					375
NTR070010	Mountainbike wheel, replacement kit incl. tyre (extra coarse profile)					609

Quick Release Axle						£
NTR070150	Quick-release axle					0
NTR070153	Quick-release axle, superlight (L)					68

Tyres						£
NTR070101	Tyre, pneumatic, fine profile, Schwalbe Right Run					0
NTR070107	Tyre, pneumatic, slick, Schwalbe One (L)					0
NTR070102	Tyre, puncture proof, tread					0
NTR070104	Tyre, pneumatic, puncture proof, tread, Schwalbe Marathon Plus Evolution					99

Handrims						£
NTR070201	Handrims, aluminium, powder-coated, clear					0
NTR070202	Handrims, aluminium, anodised, silver (L)					0
NTR070203	Handrims, aluminium, powder-coated, coloured					0
NTR070204	Handrims, stainless steel, silver (+)					104
NTR070205	Handrims, titanium, untreated					250
NTR070206	Handrims, titanium, powder-coated, clear					250
NTR070207	Handrims, Supergrip ® (+)					260
NTR070208	Handrims, Maxgrepp ® (+)					364
NTR070212	Handrims, Ellipse 3R, black (+)					130
NTR070250	Handrim cover, rubber					115

Handrim Mounting						£
NTR070307	Handrim mount, super narrow (7 mm) (5)					0
NTR070317	Handrim mount, narrow (17 mm)					0
NTR070327	Handrim mount, wide (27 mm)					0

Axle Tube		£
NTR010401	Axle tube, aluminium	0
NTR010402	Axle tube, lightweight	104
NTR010403	Axle-assembly, superlight (L)	156

Wheel Camber		£
NTR070600	0°	0
NTR070603	3°	0
NTR070606	6°	0
NTR070609	9°	0

Spoke Guards (2)		£		
NTR070831	Transparent	156		
NTR070823	Princess	NTR070824	Racing	156
NTR070816	Happy Lions	NTR070814	Graffiti	156
NTR070619	Monkeys	NTR070802	Basketball	156
NTR070820	Oriental	NTR070812	Flying Water	156
NTR070829	Superhero	NTR070833	Zebra	156
NTR070817	Hot Wheels	NTR070818	Jungle Fever	156
NTR070822	Pool	NTR070811	Feather	156
NTR070827	Silk	NTR070806	Chrome	156
NTR070830	Tiger	NTR070803	Basketball 2	156
NTR070813	Galaktica	NTR070828	Space	156
NTR070821	Pirates			156

Wheel Locks		£
NTR060001	Standard brake	0
NTR060002	Knee-lever brake	99
NTR060023	Compact brake EVO	0
NTR060024	Compact brake EVO, superlight (L)	0
NTR060010	Brake lever extension, knee-lever brake, fold-down	52

Accessories		£
NTR090000	Tool Kit	0
NTR090024	High pressure pump (0 - 11 bar)	94
NTR090025	Air Pump	21
NTR090030	Back pack	78
NTR090100	Tie down brackets for transportation	0
NTR090014	Frame reinforcement kit for add on bike	58
NTR090026	Mobile phone pocket	58

Frame Colours									£
	Frame	Handrim	Hub/Rim		Frame	Handrim	Hub/Rim		
01 Matte Black				12 Royal Blue					
02 Gloss Black				13 Brilliant Ocean					
03 Metallic Shadow				14 Scarlet Noir					
04 Starlight White				15 Red Pepper					
05 Silver Ore				16 Cherry Lustre					
06 Storm Gray				17 Turbo Green					
07 Desert Tan				18 Pink Power					
08 Desert Sage				19 Satin Rose					
09 Salute Green				20 Mystic Purple					
10 Velvet Sapphire				21 Solar Orange					
11 Midnight Blue				22 Velocity Yellow					

Frame Stickers			£
NTR100550	Black		0
NTR100551	Silver		0
NTR100552	Orange		0
NTR100553	Red		0
NTR100554	Blue		0

Frame Graphic - Floating Dots			£
NTR100570	Black		0
NTR100575	Matt Black		0
NTR100571	Silver (Grey)		0
NTR100572	Orange		0
NTR100573	Red		0
NTR100574	Blue		0

24" Lightweight Wheel Colours			£
NTR100335	Black		0
NTR100336	Orange Anodised		0
NTR100337	Blue Anodised		0
NTR100338	Red Anodised		0

Comments

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Nitrum		£
Base Price		
Total Of Additional Equipment		
Packaging And Transport		
Exclusive VAT		
VAT		
Total Price		

Date			Signature
Day	Month	Year	

**Sunrise Medical Ltd**

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Please follow this measuring method:

The following method is recommended on the basis of extensive practical experience. Deviations are possible in individual instances.

Seat width (SW):

- For the user: Allow space between sideguard and hip on each side of the chair (approx. 10 - 20 mm altogether).
- On the wheelchair: From outside frame tube to outside frame tube.

Seat depth (SD):

- For the user: When sitting upright: leave space for 2 - 3 fingers between front edge of the seat upholstery and back of knee (approx. 30 - 60 mm). Care must be taken with adjustable upholstery.
- On the wheelchair: From back tube to front of seat upholstery.
- Nitrum with angle-adjustable backrest; use the backrest bracket as base for the measurement and then add 6mm (wall-thickness of the backrest-bracket) to achieve a correct measurement.

Front seat height:

- For the user: When sitting with 90° kneeangle: From back of knee to bottom of shoe sole.
- On the wheelchair: From front edge of the seat-upholstry, next to the seat-tube to the ground (min. 30 mm longer than user measurement). Remember to include the cushion height.

Rear seat height:

On the wheelchair: From rear edge of the seat-upholstery, next to the seat-tube to the ground.

Note: Maximum seat height difference rear to front is 130 mm.

Back height:

- For the user: From the seat, including cushion, to be no more than 10 - 20 mm below the lower shoulder blade.
- On the wheelchair: From top of the seat-upholstery to upper edge of backrest upholstery.

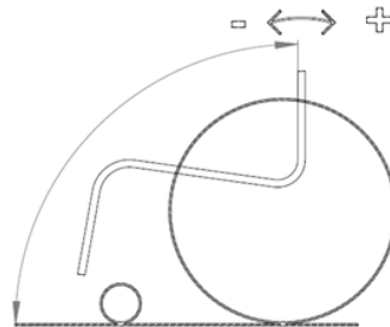
Note: The user's ability to sit upright has a major influence on the back height and it can therefore differ considerably.

Back angle:

Important: The back height depends on the degree of disability.

0° is the angle 90° to the ground. Negative angles are <90°

(-) and positive angles are >90° (+)



Technical Data

Overall width:		Overall width with: 24" Rear wheel	25" Rear wheel
Overall width:		For 0° camber: SW + 170 mm	SW + 170 mm
Max. overall height:	1000 mm	For 3° camber: SW + 230 mm	SW + 240 mm
Max. overall length:	992 mm	For 6° camber: SW + 290 mm	SW + 300 mm
		For 9° camber: SW + 360 mm	SW + 370 mm

Please note that the matrix is based on a std configuration:

Standard wheelchair 400 x 400 mm; 560 mm COG; Seat angle of 8°

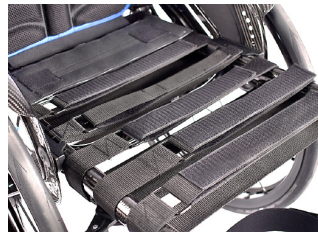
All changes in the configuration might change the seat heights.

Manufacturing tolerances of +/- 10 mm

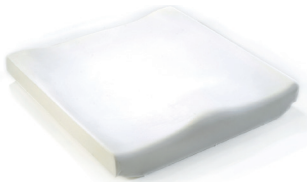
Seat Upholsteries & Cushions



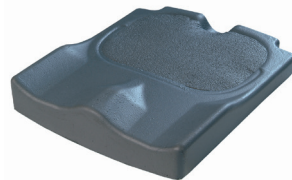
// NTR020002-020004
Seat sling, nylon, tension adj.



// NTR020012-020018
Seat sling strap style (airflow)



// JAY020002 JAY Basic
(pictured without cover)



// JAY020001 JAY Easy Visco
(pictured without cover)



// JAY020004 JAY Lite
(pictured without cover)

Backrest



// NTR030201 Push handles long



// NTR030203 Push handles, fold-down



// NTR030204 Push handles, height-adjustable



// NTR030015 Backrest, angle-adjustable, fold-down



// NTR030090 Freestyle Back mit JAY J3 Carbon Rücken (SC)



// NTR030157 Aluminium backrest, push-bar release



// NTR030158 Aluminium backrest, angle-adjustable, twist-lock release



// NTR030211 Pushhandles removable, for Freestyle Back

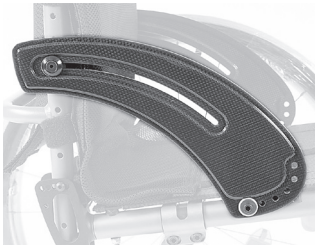


// NTR030316 EXO Backrest sling (EXO Evo version)



// NTR030317 EXO PRO Backrest (EXO Evo version)

Sideguard & Armrest



// NTR040101 Sideguard, carbon fibre, slim, black



// NTR040102 Sideguard, aluminium, cold weather protection (in frame colour)



// NTR040103 Sideguard, aluminium, cold weather protection, fender (in frame colour)



// NTR040104 Sideguard, carbon fibre, fender, cold weather protection (black)



// NTR040061 Flip-back option for sideguard in combination with NTR040102 Sideguard, aluminium

Footrest



// NTR050029 Footrest, tubular, lightweight, aluminium



// NTR050030 Footrest, tubular, lightweight, aluminium, with cover



// NTR050034 Footboard, platform, lightw., alum., angle & depth-adj., high-mount, frame colour



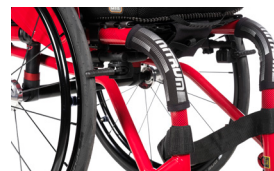
// NTR050125 Footboard, platform, Performance, aluminum, angle-adj.



// NTR050026 Footboard, platform, lightweight, carbon fibre, angle and depth-adj.



// NTR050127 Foot positioning plate



// NTR010040 Design frame protection

Frame Versions

Angle (a)	Inset (in mm per side)		
	0 mm	10 mm	30 mm
100°	x	x	x
92°	x	x	x
88°	x	-	x

// NTR010207 Frame long: Additional 20 mm frame-length ("x") between front-edge of seat-upholstery and the knee-bend

Width between frame-tubes ("y") at the footrest: use the following formula: seat-width - 50 mm - 2x inset
 Example for 400 mm seat-width and 30 mm inset:
 $400 \text{ mm} - 50 \text{ mm} - (2 \times 30 \text{ mm}) = 290 \text{ mm}$



Twin-LED light



// NTR110156 Twin-LED light (mounted on caster stems, battery and controller on calf-strap)

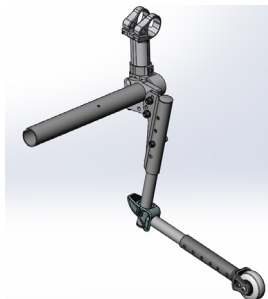


Integrated Li-Ion Battery (3.6V, 2600mAh), on-off-button on controller-box, 3 modes: full power, low power, flash-mode, incl. USB to micro-USB cable for charging

Frame Accessories



// NTR090001 Tip assist left



// NTR090004 Anti-tip tubes, swing-away



// NTR090007 Anti-tip tubes, plugin, pair



// NTR090035 Anti-tip tubes, aluminium, sport, plug-in



// NTR090008 Anti-tip tubes, flip-up (upwards), user operated



Rear Wheels



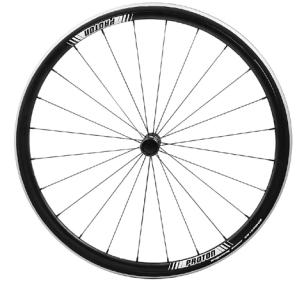
// NTR070001 Rear wheel, Universal, 36 spokes (silver), cross-wise spokes



// NTR070002 Rear wheel, Design, 36 spokes (silver), straight spokes



// NTR070003 Rear wheel, Lightweight, 24 spokes (silver), straight spokes



// NTR070004 Rear wheel, Proton, 24 spokes (black), straight spokes



// NTR07010 Mountainbike wheel



// NTR07003 Rear wheel, Lightweight, 24 spokes in combination with color selection on last page (NTR100336 - NTR100338)



// WDO070201 WheelDrive

Tyres & Forks



// NTR070101 Schwalbe Right Run



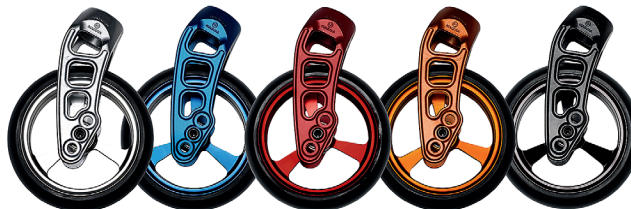
// NTR070107 Schwalbe One



// NTR070104 Schwalbe Marathon Plus Evolution



// NTR070102 Tyre, puncture proof, tread



// NTR080013 & NTR080306 Castor fork, Carbotecture & Castor solid (soft) aluminum



// NTR080008 Castor fork, aluminum, one-arm, blue

Handrims



// NTR070208 Handrim Maxgrepp®



// NTR070212 Handrim Ellipse 3R

Axle Tubes



// NTR010403 Axle assembly super-light



// NTR010402 Carbon axle-tube
// NTR100553 Axle-stem clamp colour, red

Wheel Locks



// NTR060001 Standard brake



// NTR060002 Knee-lever brake



// NTR060023 Compact brake EVO



// NTR060004 Lightweight Compact brake EVO

Accessories



// NTR090000 Tool kit



// NTR090024 High pressure pump



// NTR090025 Air pump

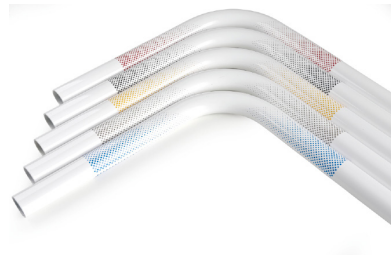
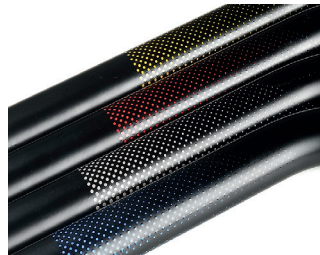


// NTR090030 Back pack



// NTR090026 Mobile phone pocket

Frame Graphics



// Frame Graphics "Floating Dots"



// NTR100336
Lightweight wheel, anodized orange



// NTR100337
Lightweight wheel, anodized blue



// NTR100338
Lightweight wheel, anodized red

Frame Options



// Nitrum Hybrid Pro