

# NITRUM



## QUICKIE NITRUM

Billing Address Or Customer-ID		Shipping Address		<input type="checkbox"/> 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		
<input type="checkbox"/> Order <input type="checkbox"/> Calculation <input type="checkbox"/> Built-4-Me®		<b>Max. user weight: 140 kg</b>		
Purchase Order No.:		User Weight:		kg
<b>Art. No.: 66000001</b>		Reimbursement Code: xxx		
Order Date:	Day	Month	Year	

Base Price

**£2,850**

Nitrum		£
<input type="checkbox"/>	NTR010034 Nitrum: Open frame, backrest-angle and CoG adjustable, 125 kg max user weight	2,850
<input type="checkbox"/>	NTR010036 Nitrum Pro: Open frame, fixed welded backrest angle and CoG, 125 kg max user weight	2,850
<input type="checkbox"/>	NTR010035 Nitrum: Hybrid frame, backrest-angle and CoG adjustable, 140 kg max user weight	2,850
<input type="checkbox"/>	NTR010037 Nitrum Pro: Hybrid frame, fixed welded backrest angle and CoG, 140 kg max user weight	2,850

Backrest-style for Pro versions		£
<input type="checkbox"/>	NTR010044 Fixed welded, non angle-adjustable, non foldable	520
<b>Angle to the Ground</b>	<input type="checkbox"/> -4° (86°) <input type="checkbox"/> -2° (88°) <input type="checkbox"/> 0° (90°) <input type="checkbox"/> +2° (92°) <input type="checkbox"/> +4° (94°)	
<b>Backrest Height</b>	<input type="checkbox"/> 275 <input type="checkbox"/> 300 <input type="checkbox"/> 325 <input type="checkbox"/> 350 <input type="checkbox"/> 375 <input type="checkbox"/> 400 <input type="checkbox"/> 425 <input type="checkbox"/> 450	
<input type="checkbox"/>	NTR030404 Backrest cross-tube, wide (78 mm clearance between backrest upholstery and cross-tube)	0
<input type="checkbox"/>	NTR030403 Backrest cross-tube, narrow (48 mm clearance between backrest upholstery and cross-tube)	0
<input type="checkbox"/>	NTR010038 Angle-adjustable, foldable	715

Seat Width		£
<b>(mm)</b>	<input type="checkbox"/> 320 <input type="checkbox"/> 340 <input type="checkbox"/> 360 <input type="checkbox"/> 380 <input type="checkbox"/> 400 <input type="checkbox"/> 420 <input type="checkbox"/> 440 <input type="checkbox"/> 460 <input type="checkbox"/> 480 <input type="checkbox"/> 500	

Seat Depth		£
<b>(mm)</b>	<input type="checkbox"/> 340 <input type="checkbox"/> 360 <input type="checkbox"/> 380 <input type="checkbox"/> 400 <input type="checkbox"/> 420 <input type="checkbox"/> 440 <input type="checkbox"/> 460 <input type="checkbox"/> 480 <input type="checkbox"/> 500	

Dimensions		£														
Fork (Length)	Frame	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570
3" (111mm)	Low	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												
3" (111mm)	High					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
4" (111mm)	Low		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
4" (123mm)	Low			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									
4" (Frog Leg)	Low					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
4" (111mm)	High						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
4" (123mm)	High							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
4" (Frog Leg)	High									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
5" (111mm)	Low				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									
5" (123mm)	Low					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
5" (Frog Leg)	Low									<input type="checkbox"/>	<input type="checkbox"/>					
5" (111mm)	High								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
5" (123mm)	High									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
5" (Frog Leg)	High													<input type="checkbox"/>	<input type="checkbox"/>	
6" (123mm)	Low						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
6" (Frog Leg)	Low											<input type="checkbox"/>				
6" (123mm)	High										<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
6" (Frog Leg)	High															<input type="checkbox"/>

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)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25" Rear Wheels (4) (5)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



(1) Also available as one arm fork; please choose fork type on the following pages

(2) High Frame is 40 mm taller than Low Frame. On lower or medium seat-heights, the high frame gives you the opportunity to choose a shorter fork/smaller caster

(3) No decline or increase of the seat height possible for rear height 370 and 490 mm

(4) No decline or increase of the seat height possible for rear height 380 and 500 mm

(5) Rear seat height 370mm (24") and 380mm (25") only possible with NTR020012/ 17/ 18 seat-sling strap-style airflow

Seat						£				
<b>Seat Sling</b>										
<input type="checkbox"/>	NTR020002	Seat sling, nylon, tension adjustable, 1 utility bag				0				
<input type="checkbox"/>	NTR020003	Seat sling, nylon, tension adjustable, 2 utility bags (1)				65				
<input type="checkbox"/>	NTR020004	Seat sling, nylon, tension adjustable, 1 utility bag, 1 catheter bag (1)				135				
<input type="checkbox"/>	NTR020012	Seat sling, strap-style (airflow), tension adjustable with 1 utility bag (2) (3)				310				
<input type="checkbox"/>	NTR020017	Seat sling, strap-style (airflow), tension adjustable with 2 utility bag (1) (2) (3)				345				
<input type="checkbox"/>	NTR020018	Seat sling, strap-style (airflow), tension adjustable with utility bag and catheter bag (1) (2) (3)				410				
<input type="checkbox"/>	NTR020019	Seat sling, Airflow, superlight without bag (max user-weight 85 kg) (2) (3) (4) 				310				
<input type="checkbox"/>	NTR020000	Without seat sling				0				
<b>Seat cushion, cover with zipper, black</b>										
<input type="checkbox"/>	NTR020101	Seat cushion, foam (medium-soft), cover with zipper, black, 30 mm				80				
<input type="checkbox"/>	NTR020102	Seat cushion, foam (medium-soft), cover with zipper, black, 50 mm				80				
<input type="checkbox"/>	NTR020103	Seat cushion, Latex (very soft), cover with zipper, black, 50 mm				80				
<b>Seat accessories</b>										
<input type="checkbox"/>	NTR090018	Positioning belt (5)				70				
<b>JAY Cushions – for complete product range see JAY order forms</b>										
<input type="checkbox"/>	JAY020002	JAY Basic				75				
<input type="checkbox"/>	JAY020001	JAY Easy Visco C				170				
<input type="checkbox"/>	JAY020007	JAY Easy Fluid, Curved Base				390				
<input type="checkbox"/>	JAY020004	JAY Lite, Curved Base				275				
<b>Backrest</b>						£				
<input type="checkbox"/>	NTR030157	Aluminium backrest, push-bar release (6)								
	<input type="checkbox"/>	250-300	<input type="checkbox"/>	300-350	<input type="checkbox"/>	350-400	<input type="checkbox"/>	400-450		
	<input type="checkbox"/>	250	<input type="checkbox"/>	300	<input type="checkbox"/>	350	<input type="checkbox"/>	400		
	<input type="checkbox"/>	275	<input type="checkbox"/>	325	<input type="checkbox"/>	375	<input type="checkbox"/>	425		
	<input type="checkbox"/>	300	<input type="checkbox"/>	350	<input type="checkbox"/>	400	<input type="checkbox"/>	450		
<input type="checkbox"/>	NTR030158	Aluminium backrest, twist-lock release (7)				95				
	<input type="checkbox"/>	275	<input type="checkbox"/>	325	<input type="checkbox"/>	375	<input type="checkbox"/>	425		
	<input type="checkbox"/>	300	<input type="checkbox"/>	350	<input type="checkbox"/>	400	<input type="checkbox"/>	450		
<input type="checkbox"/>	NTR030159	Lightweight Aluminium backrest, push-bar release (8) 				95				
	<input type="checkbox"/>	250	<input type="checkbox"/>	300	<input type="checkbox"/>	350	<input type="checkbox"/>	400	<input type="checkbox"/>	450
	<input type="checkbox"/>	275	<input type="checkbox"/>	325	<input type="checkbox"/>	375	<input type="checkbox"/>	425		
	NTR030404	<input type="checkbox"/>	Backrest cross-tube, wide (78 mm clearance between backrest upholstery and cross-tube) (9)				0			
	NTR030403	<input type="checkbox"/>	Backrest cross-tube narrow (48 mm clearance between backrest upholstery and cross-tube) (9)				0			
<input type="checkbox"/>	NTR030012	Backrest, angle-adjustable (non foldable) (10)				0				
<input type="checkbox"/>	NTR030015	Backrest, angle-adjustable, fold-down. Standard colour: black (10)				0				
	Bracket Colour	<input type="checkbox"/>	Orange	<input type="checkbox"/>	Silver	<input type="checkbox"/>	Red	<input type="checkbox"/>	Blue	
<input type="checkbox"/>	NTR030102	Backrest, angle-adjustable, fold-down, locked when folded, colour: black				90				

(1) Only from SW 360 mm

(2) Not possible to convert strap-style upholstery to standard upholstery

(3) Only up to 480 mm

(4) Max user weight 85kg, max seat-width 400mm

(5) Not with fixed welded backrest

(6) Choose back height factory setting (mm). Height adjustments possible in the range 250 - 300


mm; 300 - 350 mm; 350 - 400 mm; 400 - 450 mm

(7) Not with seat width 320 mm; fixed height; not with NTR030012

(8) Fixed height, not in combination with push handles, height adjustable

(9) Only with NTR030159 Lightweight Aluminium backrest, push-bar release

(10) Adjustable: -17,5° to +10°

Push Handles (1)				£
<input type="checkbox"/>	NTR030200	Omit Push Handles 		0
<input type="checkbox"/>	NTR030201	Push handles long (2)		0
<input type="checkbox"/>	NTR030203	Push handles, fold-down (2) (3)		90
<input type="checkbox"/>	NTR030204	Push handles, height-adjustable (3) (+)		210

Backrest Upholstery				£
<input type="checkbox"/>	NTR030316	EXO Backrest sling, synthetic fibre, padded, adjustable, 1 accessory bag, black		0
		Colour Binding Tape	<input type="checkbox"/> Black <input type="checkbox"/> Orange <input type="checkbox"/> Silver <input type="checkbox"/> Red <input type="checkbox"/> Blue	
<input type="checkbox"/>	NTR030317	EXO PRO Backrest, synthetic fibre, padded, adj., breathable, spacer fabric, 1 accessory bag, black		90
		Colour Binding Tape	<input type="checkbox"/> Black <input type="checkbox"/> Orange <input type="checkbox"/> Silver <input type="checkbox"/> Red <input type="checkbox"/> Blue	
<input type="checkbox"/>	NTR030300	Without backrest sling		0

Freestyle Back				£
<input type="checkbox"/>	NTR030090	Freestyle back with J3 Carbon Back (SC)		920
		<input type="checkbox"/> Backrest shell height 240 mm (4)		
		<input type="checkbox"/> Backrest shell width 320 mm – can be used from SW 320 mm		
		<input type="checkbox"/> Backrest shell width 370 mm – can be used from SW 380 mm		
		<input type="checkbox"/> Backrest shell width 420 mm – can be used from SW 440 mm		
		<input type="checkbox"/> Backrest shell height 310 mm (5)		
		<input type="checkbox"/> Backrest shell width 320 mm – can be used from SW 320 mm		
		<input type="checkbox"/> Backrest shell width 370 mm – can be used from SW 380 mm		
		<input type="checkbox"/> Backrest shell width 420 mm – can be used from SW 440 mm		
<input type="checkbox"/>	NTR030012	Backrest, angle-adjustable (non foldable) (6)		0
<input type="checkbox"/>	NTR030015	Backrest, angle-adjustable, fold-down. Standard colour: black (6) (7)		0
		<input type="checkbox"/> Black <input type="checkbox"/> Orange <input type="checkbox"/> Silver <input type="checkbox"/> Red		
<input type="checkbox"/>	NTR030102	Backrest, angle-adjustable, fold-down, locked when folded. Standard colour: black		90
<input type="checkbox"/>	NTR030211	Push handles removable (8)		210

Jay Backs (9)				£	
<b>JAY J3 Carbon Back, Shallow Contour (SC)</b>		<b>Short (S)</b>		<b>Tall (T)</b>	
Lower Thoracic	JAY060001	<input type="checkbox"/>	JAY060002	<input type="checkbox"/>	820
Mid Thoracic	JAY060003	<input type="checkbox"/>	JAY060004	<input type="checkbox"/>	820
<b>Accessories for JAY J3 Backs</b>					
<input type="checkbox"/>	WHT030415	Whitmyer Headrest, COBRA XTRA, flip back (10)			325
<input type="checkbox"/>	WHT030416	Whitmyer Headrest, AXYS, Standard (10)			325
<input type="checkbox"/>	JAY090058	JAY Accessory bag (11)			60

(1) Not in combination with Freestyle back  
(2) Not with height adjustable push handles  
(3) Only available from 325 mm backrest height  
(4) Backrest height 275 - 350 mm  
(5) Backrest height 325 - 425 mm  
(6) -17,5° - +10

(7) Always with push-bar release  
(8) Only with NTR030090 Freestyle back with J3 Carbon Back (SC)  
(9) Not with NTR030090 Freestyle back with J3 Carbon Back (SC)  
(10) Only with JAY J3 Backs  
(11) Only with JAY J3 Carbon Backs

Sideguard Mounting		£
<input type="checkbox"/>	NTR040061 Flip-Back option for sideguards (14)	0

Armrest & Sideguards		£
<input type="checkbox"/>	NTR040101 Sideguard, carbon fibre, slim, black (1) (2) 	250
<input type="checkbox"/>	NTR040102 Sideguard, aluminium, cold weather protection (in frame colour)	95
<input type="checkbox"/>	NTR040103 Sideguard, aluminium, cold weather protection, fender (in frame colour) (3)	150
<input type="checkbox"/>	NTR040104 Sideguard, carbon fibre, fender, cold weather protection, black (3)	250
<input type="checkbox"/>	NTR040107 Sideguard, composite, removable, 21 cm high (310 mm long), black (4)	0
<input type="checkbox"/>	NTR040050 Single-post sideguard, height-adjustable, removable, armpad (250 mm) (4) (5) (+)	180
<input type="checkbox"/>	NTR040051 Single-post sideguard, height-adjustable, removable, armpad long (330 mm) (4) (5) (+)	180
<input type="checkbox"/>	NTR040052 Single-post sideguard, armpad (330 mm), tool height-, depth-adjustable, removable (5) (6) (+)	180
<input type="checkbox"/>	NTR040117 Tubular armrest, Alu, swing away (sideways), padded, removable (7) (+)	160
<input type="checkbox"/>	NTR040000 Without Sideguard	0

Footboards		£
<input type="checkbox"/>	NTR050029 Footrest, tubular, lightweight, aluminium (8) 	0
<input type="checkbox"/>	NTR050030 Footrest, tubular, lightweight, aluminium, with cover (8)	95
<input type="checkbox"/>	NTR050025 Platform footplate lightweight angle & depth adjustable composite (8)	150
<input type="checkbox"/>	NTR050024 Platform footplate lightweight angle & depth adjustable aluminium (colour: frame colour) (8)	195
<input type="checkbox"/>	NTR050026 Platform footplate lightweight angle & depth adjustable carbon (8)	230
<input type="checkbox"/>	NTR050034 Footboard, platform, lightweight, aluminium, angle and depth-adjustable, high-mount, calf strap, frame colour	195
<input type="checkbox"/>	NTR050125 Performance footplate angle adjustable (8)	285
<input type="checkbox"/>	NTR050128 Footboard, platform, plastic, angle and depth adjustable, flip-up (to the back) (9) (11) (+)	25
<input type="checkbox"/>	NTR050022 Footboard, divided, aluminium, angle-adjustable, flip-up (sideways), heel loop, frame colour (10) (12) (+)	150
<input type="checkbox"/>	NTR050127 Adjustable side protection, to create a side-stop on the footboard (13)	25

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

(1) With 24" rear wheel min. rear seat height 410 mm; with 25" rear wheel min. rear seat height 430 mm  
 (2) Slim style, carbon fibre  
 (3) Minimum seat height 390 mm  
 (4) Quickie style  
 (5) Not with tubular armrest  
 (6) Not with COG 92 mm & 104 mm  
 (7) Not in combination with handbike axle

(8) LLL 360 mm - 520 mm  
 (9) LLL from 330 mm, not with 4" castor  
 (10) LLL from 380 mm with low frame, from 420 mm with high frame, not with 4" & 6" castor  
 (11) 125 kg max user weight  
 (12) Only up to 480 mm seat width  
 (13) Only for platform footplates lightweight angle & depth adjustable  
 (14) Only with NTR040102 Sideguard aluminium, not with Pro option in combination with fixed welded backrest, not in combination with NTR030158 Backrest, twist-lock

## Frame Options

£

### Frame Length

<input type="checkbox"/>	NTR010206	Frame standard	0
<input type="checkbox"/>	NTR010207	Frame long (1)	0

### Frame Angle

<input type="checkbox"/>	NTR010012	100° frame (2)	0
<input type="checkbox"/>	NTR010013	92° Performance frame (2)	0
<input type="checkbox"/>	NTR010009	88° Performance compact frame (2) (3)	0

### Frame Inset

<input type="checkbox"/>	NTR010100	Inset: Standard (0 mm)	0
<input type="checkbox"/>	NTR010101	Inset: Small (10 mm) (4)	0
<input type="checkbox"/>	NTR010103	Inset: Performance (30 mm) (5)	0

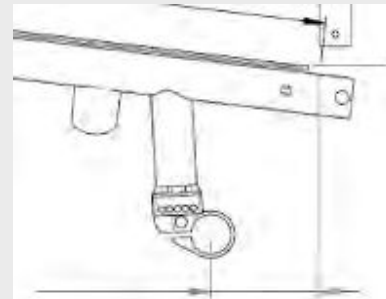
### Accessories

<input type="checkbox"/>	NTR110156	Twin-LED light (mounted on caster links, battery and controller on calf-strap)	150
<input type="checkbox"/>	NTR010040	Design frame protection	85
<input type="checkbox"/>	NTR010500	Wheelbase extension for add-on bike (6) (+)	410

## Centre of Gravity

£

<input type="checkbox"/>	COG20	Centre of Gravity 2cm
<input type="checkbox"/>	COG32	Centre of Gravity 3.2cm
<input type="checkbox"/>	COG44	Centre of Gravity 4.4cm
<input type="checkbox"/>	COG56	Centre of Gravity 5.6cm
<input type="checkbox"/>	COG68	Centre of Gravity 6.8cm
<input type="checkbox"/>	COG80	Centre of Gravity 8.0cm
<input type="checkbox"/>	COG92	Centre of Gravity 9.2cm
<input type="checkbox"/>	COG104	Centre of Gravity 10.4cm



## Frame Accessories

£

### Suspension

<input type="checkbox"/>	NTR090031	Suspension (up to 70 kg) (7) (8) (+)	585
<input type="checkbox"/>	NTR090032	Suspension (up to 120 kg) (7) (8) (+)	585

### Tip assist (step tube)

<input type="checkbox"/>	NTR090001	Tip assist, left	35
<input type="checkbox"/>	NTR090002	Tip assist, right	35
<input type="checkbox"/>	NTR090003	Tip assist, pair (9) (+)	70
<input type="checkbox"/>	NTR090009	Crutch holder (10)	80

### Anti-tip tubes swing-away

<input type="checkbox"/>	NTR090004	Anti-tip tubes, swing-away, left (+)	125
<input type="checkbox"/>	NTR090005	Anti-tip tubes, swing-away, right (+)	125
<input type="checkbox"/>	NTR090006	Anti-tip tubes, swing-away, pair (11) (+)	195
<input type="checkbox"/>	NTR090007	Anti-tip tubes, plug-in, pair (+)	95

### Anti-tip flip up (user operated)

<input type="checkbox"/>	NTR090033	Anti-tip tubes, flip-up (upwards), LH (12) (+)	175
<input type="checkbox"/>	NTR090008	Anti-tip tubes, flip-up (upwards), RH (12) (+)	175
<input type="checkbox"/>	NTR090035	Anti-tip tubes, aluminium, sport, plug-in (13) (+)	350
<input type="checkbox"/>	NTR090010	Transit wheels (14) (+)	235
<input type="checkbox"/>	NTR090016	Frame protection	85

(1) 20 mm additional frame length between front edge of seat upholstery and knee bend

(2) No change from 3" & 4" castor to 5" & 6" afterwards possible

(3) Only with 0 mm and 30 mm inset, minimum seat-height difference front / rear: 30 mm

(4) Not in combination with 88° frame angle

(5) Not available for seat width 320 mm

(6) Always 3° more than the standard axle camber

(7) Not with COG 68 - 104 mm. Not with seat height 370 - 420 mm and 24" & 370 - 430 mm with 25".

Not with carbon axle tube. Not with sport anti-tip & tip-assist

(8) Not for handbike use, only up to seat width 460 mm

(9) Not available with anti-tip

(10) Only in combination with tip assist


(11) Not available with tip assist


(12) Not in combination with handbike axle


(13) Not with carbon axle; not with COG 20 mm


(14) 3" wheels

Castor Forks		£
<input type="checkbox"/>	NTR080013 Castor fork, Carbotecture ® (not suitable / approved for power add-ons), black (4) 	0
	<input type="checkbox"/> Orange <input type="checkbox"/> Silver <input type="checkbox"/> Red <input type="checkbox"/> Blue	
<input type="checkbox"/>	NTR080029 Castor fork, Aluminium, black (6)	0
	<input type="checkbox"/> Orange <input type="checkbox"/> Silver	
<input type="checkbox"/>	NTR080008 Castor fork, aluminium, one-arm. Standard colour: black (7)	215
	<input type="checkbox"/> Orange <input type="checkbox"/> Silver <input type="checkbox"/> Red <input type="checkbox"/> Blue	
<input type="checkbox"/>	NTR080007 Castor fork, aluminium, suspension (Frog Legs ®), black (8) (+)	365

Castor Wheels		£
<input type="checkbox"/>	NTR080301 Castor, solid (hard), rim: composite, black (9)	0
<input type="checkbox"/>	NTR080302 Castor, solid (soft), rim: composite, black (10)	0
<input type="checkbox"/>	NTR080304 Castor, solid (hard), rim: aluminium (12)	50
<input type="checkbox"/>	NTR080306 Castor, solid (soft), rim: aluminium, silver (12)	50
	Colour Rim: <input type="checkbox"/> Black <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Blue	
<input type="checkbox"/>	NTR080060 Castor, solid (soft), rim: carbon-composite, ultralight (13) 	105




Rear Wheels		£
<input type="checkbox"/>	NTR070000 Without rear wheel	0
<input type="checkbox"/>	NTR070001 Rear wheel, Universal, 36 spokes (silver), cross-wise spokes (15) (+)	0
<input type="checkbox"/>	NTR070002 Rear wheel, Design, 36 spokes (silver), straight spokes (15)	0
<input type="checkbox"/>	NTR070003 Rear wheel, Lightweight, 24 spokes (silver), straight spokes (16)	90
<input type="checkbox"/>	NTR070004 Rear wheel, Proton, 24 spokes (black), straight spokes (17) 	250
<input type="checkbox"/>	NTR070005 Rear wheel, Spinergy, 18 spokes (black), straight spokes; hub: silver	495
<input type="checkbox"/>	NTR070007 Rear wheel, Spinergy, 12 spokes (black), straight spokes, hub black	595
<input type="checkbox"/>	NTR070009 Rear wheel, Mountainbike, 36 spokes (silver), straight spokes (15)	360
<input type="checkbox"/>	NTR070010 Mountainbike wheel, replacement kit incl. tyre (extra coarse profile) (15)	585

Quick Release Axle		£
<input type="checkbox"/>	NTR070150 Quick-release axle (18)	0
<input type="checkbox"/>	NTR070153 Quick-release axle superlight, Titan (19) <b>(RED PIN)</b> 	65


Tyres		£
<input type="checkbox"/>	NTR070101 Tyre, pneumatic, fine profile, Schwalbe Right Run	0
<input type="checkbox"/>	NTR070107 Tyre, pneumatic, slick, Schwalbe One 	50
<input type="checkbox"/>	NTR070102 Tyre, puncture proof, tread (+)	0
<input type="checkbox"/>	NTR070104 Tyre, pneumatic, puncture proof, tread, Schwalbe Marathon Plus Evolution (+)	95

(1) Docking pins assembled; not with suspension, not with lightweight compact brake  
(2) Docking pins assembled; not with suspension, not with lightweight compact brake; ATTITUDE order on separate order form  
(3) Please use separate OF to order F55. Not with suspension, not with Lightweight Compact brake EVO  
(4) Only 111 mm  
(5) Red and Blue only in combination with soft castor  
(6) Only 123 mm  
(7) Only 111 mm length & only with 4" & 5" aluminium soft; aluminium solid  
(8) Only in combination with 4" & 5" solid & all aluminium castors. Only black

(9) 3" - 6"; not with one arm fork  
(10) Only 5" & 6"; not with one arm fork  
(11) Not available for 6"; not with one arm fork  
(12) Only for 4" & 5"  
(13) Only 4"  
(14) For users with higher user weight than 100 kg, we recommend cross spoked wheels  
(15) Only 24"  
(16) See colour options on last page  
(17) User weight limit 100 kg  
(18) Standard, stainless steel  
(19) Not with Universal wheel

Handrims			£
<input type="checkbox"/>	NTR070201	Handrims, aluminium, powder-coated, clear 	0
<input type="checkbox"/>	NTR070202	Handrims, aluminium, anodised, silver 	0
<input type="checkbox"/>	NTR070203	Handrims, aluminium, powder-coated, coloured (1) 	0
<input type="checkbox"/>	NTR070204	Handrims, stainless steel, silver (+)	100
<input type="checkbox"/>	NTR070205	Handrims, titanium, untreated	240
<input type="checkbox"/>	NTR070206	Handrims, titanium, powder-coated, clear	240
<input type="checkbox"/>	NTR070207	Handrims, Supergrip ® (+)	250
<input type="checkbox"/>	NTR070208	Handrims, Maxgripp ® (2) (+)	350
<input type="checkbox"/>	NTR070212	Handrims, Ellipse 3R, black (+)	125
<input type="checkbox"/>	NTR070250	Handrim cover, rubber (3)	110
<input type="checkbox"/>	B4M	Handrims, Carbolife QUADRO (2) (4) (+)	363
<input type="checkbox"/>	B4M	Handrims, Carbolife GEKKO (4) (+)	363

Handrim Mounting			£
<input type="checkbox"/>	NTR070307	Handrim mount, super narrow (7 mm) (5)	0
<input type="checkbox"/>	NTR070317	Handrim mount, narrow (17 mm)	0
<input type="checkbox"/>	NTR070327	Handrim mount, wide (27 mm)	0

Axle Tube			£
<input type="checkbox"/>	NTR010401	Axle tube, aluminium, black	0
<input type="checkbox"/>	NTR010402	Axle tube, carbon, black (6)	265
<input type="checkbox"/>	NTR010403	Axle-assembly superlight, Carbon (6) (7) 	265

Wheel Camber			£
<input type="checkbox"/>	NTR070600	0°	0
<input type="checkbox"/>	NTR070603	3°	0
<input type="checkbox"/>	NTR070606	6° (8)	0
<input type="checkbox"/>	NTR070609	9° (9)	0

Spoke Guards (2)					£				
<input type="checkbox"/>	NTR070831	Transparent			150				
<input type="checkbox"/>	NTR070823	Princess	<input type="checkbox"/>	NTR070813	Galactica	<input type="checkbox"/>	NTR070806	Chrome	150
<input type="checkbox"/>	NTR070816	Happy Lions	<input type="checkbox"/>	NTR070821	Pirates	<input type="checkbox"/>	NTR070803	Basketball 2	150
<input type="checkbox"/>	NTR070619	Monkeys	<input type="checkbox"/>	NTR070814	Graffiti	<input type="checkbox"/>	NTR070828	Space	150
<input type="checkbox"/>	NTR070820	Oriental	<input type="checkbox"/>	NTR070802	Basketball				150
<input type="checkbox"/>	NTR070829	Superhero	<input type="checkbox"/>	NTR070812	Flying Water				150
<input type="checkbox"/>	NTR070817	Hot Wheels	<input type="checkbox"/>	NTR070833	Zebra				150
<input type="checkbox"/>	NTR070822	Pool	<input type="checkbox"/>	NTR070818	Jungle Fever				150
<input type="checkbox"/>	NTR070827	Silk	<input type="checkbox"/>	NTR070811	Feather				150
<input type="checkbox"/>	NTR070830	Tiger							150

(1) Select colour on last page

(2) Only 24"

(3) Not with 25" and 26" and Ellipse

(4) B4M leadtimes and conditions apply

(5) Only with stainless steel and Ellipse

(6) Add-ons (push-devices, trailers etc.) must not be clamped to the carbon tubes

(7) Not with WheelDrive; only 0° camber, no adjustment of track-width possible

(8) Not with carbon axle tube. Not with WheelDrive

(9) Not with carbon axle tube. Not with handbike axle &amp; WheelDrive



Wheel Locks			£
<input type="checkbox"/>	NTR060001	Standard brake	0
<input type="checkbox"/>	NTR060002	Knee-lever brake	95
<input type="checkbox"/>	NTR060023	Compact brake EVO (1)	65
<input type="checkbox"/>	NTR060024	Lightweight compact brake EVO (1) (2) 	100
<input type="checkbox"/>	NTR060010	Brake lever extension, knee-lever brake, fold-down (3)	50
<input type="checkbox"/>	NTR060006	Compact one-arm brake, left actuation (+)	200
<input type="checkbox"/>	NTR060007	Compact one-arm brake, right actuation (+)	200

Accessories			£
<input type="checkbox"/>	NTR090000	Tool Kit	0
<input type="checkbox"/>	NTR090024	High pressure pump (0 - 11 bar)	90
<input type="checkbox"/>	NTR090025	Air Pump	20
<input type="checkbox"/>	NTR090030	Back pack	75
<input type="checkbox"/>	NTR090100	Tie down brackets for transportation	0
<input type="checkbox"/>	NTR090014	Frame reinforcement kit for add on bike (6)	390
<input type="checkbox"/>	NTR090026	Mobile phone pocket	55

Frame Colours				£
	Frame	Handrim	Hub/Rim	
02 Brilliant Silver	<input type="checkbox"/>	<input type="checkbox"/>		27 Graphitemetallic
03 Silver Matt	<input type="checkbox"/>	<input type="checkbox"/>		40 Kiwi
05 Sun Yellow	<input type="checkbox"/>	<input type="checkbox"/>		41 Flamingo-Glitter
14 Blue	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	29 Black
15 Brilliant Marine	<input type="checkbox"/>	<input type="checkbox"/>		31 Matt Black
16 Matt marine	<input type="checkbox"/>	<input type="checkbox"/>		32 Signal White
19 Brilliant Purple	<input type="checkbox"/>	<input type="checkbox"/>		33 Pink
21 Red Ruby	<input type="checkbox"/>	<input type="checkbox"/>		34 Dark Chocolate Metallic
22 Brilliant Red	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	35 Skyblue
23 Matt Red	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	36 Cyan-Metallic
24 Tutti Frutti Orange	<input type="checkbox"/>	<input type="checkbox"/>		37 Marsred (Orange)
				42 Matt Anthracite
				46 Mamba Green

(1) Not available with 6° &amp; 9° camber

(2) Adjustment of COG ±20 mm on a wheelchair in the field. Not for use with add-on bikes

(3) Only with NTR060002

(4) Not in combination with high mounted footrest

(5) Not with LLL 220 - 360 mm

(6) Not necessary in combination with ATTITUDE handbikes

(7) Please consult our colour catalogue to review your colour choice

(8) Only with rear wheel, universal

Sticker Colours			£
<input type="checkbox"/>	NTR100550	Black	0
<input type="checkbox"/>	NTR100551	Silver	0
<input type="checkbox"/>	NTR100552	Orange	0
<input type="checkbox"/>	NTR100553	Red	0
<input type="checkbox"/>	NTR100554	Blue	0

Axle Stem Clamp Colours			£
<input type="checkbox"/>	NTR100560	Silver	0
<input type="checkbox"/>	NTR100561	Orange	0
<input type="checkbox"/>	NTR100562	Red	0
<input type="checkbox"/>	NTR100563	Blue	0

Frame Graphic 'Floating Dots'			£
<input type="checkbox"/>	NTR100570	Black	0
<input type="checkbox"/>	NTR100575	Matt Black	0
<input type="checkbox"/>	NTR100571	Silver (Grey)	0
<input type="checkbox"/>	NTR100572	Orange	0
<input type="checkbox"/>	NTR100573	Red	0
<input type="checkbox"/>	NTR100574	Blue	0

24" Lightweight Wheel Colours			£
<input type="checkbox"/>	NTR100335	Black	0
<input type="checkbox"/>	NTR100336	Orange Anodised	0
<input type="checkbox"/>	NTR100337	Blue Anodised	0
<input type="checkbox"/>	NTR100338	Red Anodised	0

(1) No choice of sticker colours (NTR100550-554) in combination with frame graphic "Floating Dots" possible. The "Nitrum" sticker on the caster-link is always the same colour as the chosen Floating Dots- colour

(2) Anodised colours for hub and rim, black spokes. Only with lightweight wheel in 24"

## Comments

## Nitrum

€

<b>Base Price</b>	<b>2,850</b>
Total Of Additional Equipment	
Packaging And Transport	
Exclusive VAT	
VAT	
<b>Total Price</b>	

## Date

## Signature

Day

Month

Year





Send E-Mail

**Sunrise Medical Ltd**

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 Brierley Hill  
 West Midlands  
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 Fax: +44 (0) 845 605 66 89  
 E-Mail: info@sunmed.co.uk  
 www.SunriseMedical.co.uk

## 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.

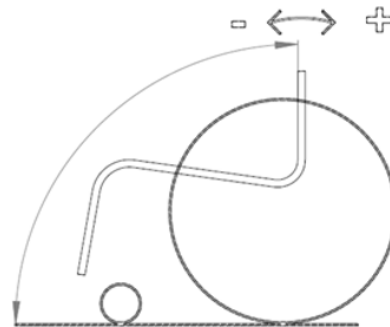
**Note:** The user's ability to sit upright has a major influence on the back height and it can therefore differ considerably.

### 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

## 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 superlight

**Footrest:** tubular footrest

**Forks and casters:** 111 mm carbotech-ure fork; 4" Castor, solid (soft), rim: carbon-composite, ultralight



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

**Sideguards:** Carbon fibre, slim-style

**Axle-tube :** Axle-assembly superlight, Carbon

**Wheel-locks:** Lightweight compact brake EVO

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

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

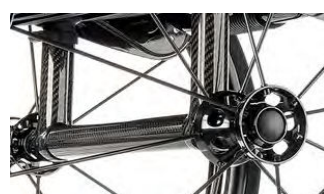
## Lightweight-Guide for ordering the Nitrum

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



// **Seat sling, Airflow, superlight (NTR020019):** fully adjustable seat-sling with composite buckles and lighter straps (max. user weight 85 kg) (-120 g compared to seat sling "airflow")

// **Axle-assembly superlight, Carbon (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), rim: carbon-composite, 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)

**Lightweight aluminium backrest, push-bar release (NTR030159):** (-180 g compared to Standard backrest)

## 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



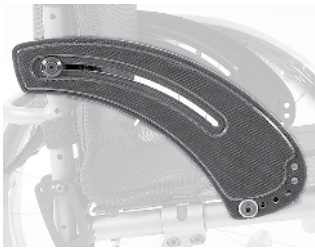
// NTR030316 EXO Backrest sling (EXO Evo version)



// NTR030317 EXO PRO Backrest (EXO Evo version)



## Sideguard &amp; 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



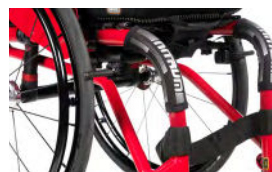
// NTR050125 Footboard, platform, Performance, aluminium, angle-adj.



// 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)



// WD0070201 WheelDrive

## Tyres &amp; 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

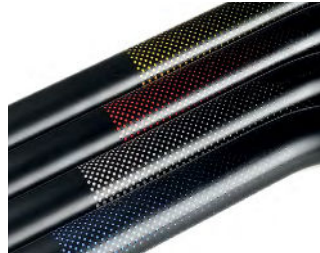


// NTR090030 Back pack



// 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