

SMART
ENJOY LIFE,
STYLE &
DRIVE

PICTURED:
SMART
PAGE 24

SMART^F 2.360

USER PROFILE

- ✓ For permanent and long-term fittings
- ✓ For paraplegic fittings
- ✓ Very well suited for a wide range of medical conditions, including the severely afflicted
- ✓ Users with loss of lower extremity function (lateral transfer, hand rim propulsion)

FOLDING WHEELCHAIR WITH INTEGRATED LEGRESTS

The SMART^F folding wheelchair unites lightness and perfect handling in an innovative design. Absolutely dynamic and stable - that's how a modern folding adaptive wheelchair must feel. Compact dimensions, an advanced folding system and easy transfers make it the ideal companion in any situation. Be it in daily living, leisure time, at home or out and about.

- High-grade 7020 aluminium
- A fantastically small folding size and perfect folding kinematics ensure easiest possible folding
- Suitable for all conventional loading systems
- All components are perfectly adapted to one another, facilitating handling in daily living
- High-quality materials and specially designed semi-finished products guarantee low total weight
- Perfect chassis adjustment



Side panel bracket swing-away (optional)



Very narrow folding size 280 mm at 0° and 330 mm at 3° wheel camber, height from 650 mm



Carbon fibre side panels (optional)



Individually adjustable back height



Innovative swivelling aluminium light brake can be triggered with extremely low actuating force



Integrated legrests



Individually adjustable chassis



User weight up to 150 kg



3 frame lengths: short, medium or long, with or without frame inset



Seat widths from 320 – 520 mm



SMART^S 2.370

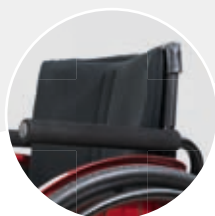
USER PROFILE

- ✓ For permanent and long-term fittings
- ✓ Very well suited for a wide range of medical conditions, including the severely afflicted
- ✓ For users with some remaining walking and standing ability (sit to stand transfer)
- ✓ For neurological disorders

FOLDING WHEELCHAIR WITH SWING-AWAY AND DETACHABLE LEGRESTS

The smoothness of ride and low tare weight of the SMART^S make for perfect handling characteristics - dynamic, easy to tilt and agile. The optimised folding system of the SMART^S offers an exceptionally narrow folding size for unrestricted flexibility. Loading a wheelchair into a car yourself has never been easier.

- Low folded size and optimised folding kinematics for independent loading into cars
- Suitable for all conventional loading systems
- Perfectly matched components for easy handling
- Optimum smoothness of ride and adaptability
- Perfect chassis adjustment
- High-quality materials like 7020 aluminium and specially designed semi-finished products guarantee low total weight
- Straight front construction and swing-away, detachable legrests enable the user to move up close to everyday objects with ease



Side panel bracket swing-away (optional)



Narrow folding dimensions
280 mm at 0° and
330 mm at 3° wheel camber,
height from 650 mm



Side panel with height-adjustable armrest, one-handed operation (optional)



Swing-away and detachable legrests

Pressure and light brake with low actuating forces

Aluminium footplates are light and stable, angle and depth-adjustable

Optimum adjustability of the castor fork guarantees perfect directional stability and ideal rolling properties



User weight up to 150 kg



3 frame lengths, short, medium or long



Seat widths from 320 – 520 mm



AVANTI 1.736

USER PROFILE

- ✓ Suitable for users with remaining walking and standing ability
- ✓ Ideal for use with geriatric and neurological conditions
- ✓ For use at home, at work and in leisure pursuits
- ✓ Seat height adjustment according to needs, right through to hemiplegia requirements

WIDELY ADAPTABLE FOLDING WHEELCHAIR

The AVANTI is your active everyday companion and enables independent mobility. Economical and mobile, the adaptive wheelchair is a good option for a wide range of activities. With its extensive range of equipment and adjustment possibilities, the AVANTI adapts to your personal needs. Compatibility with MEYRA's modular system gives the AVANTI access to a broad spectrum of configuration options and accessories.

- Fine adjustment options, standard adjustable back
- Pressure or drum brake with extremely low actuating force
- Side panel brake integrated in clothing guard, see AVANTI PRO (optional)
- With 22" and 24" wheel size, front seat heights can be set between 425 - 560 mm and rear seat heights between 400 - 520 mm
- 4 frame lengths
- Perfectly adapted frame for seat depths 380 mm and 400 mm



Side panel bracket swing-away (optional)



Eccentric adjustment steering head



Height-adjustable side panel with one-handed operation (optional)



Very narrow folding dimensions: width from 280 mm; height from 470 mm (short frame)



Telescopic and angle-adjustable back height. Back heights from 340 - 440 mm

Max. 6° seat angle tilt

Straight front with individually swing-away and removable legrests (easy frontal transfer)

3° wheel camber (optional)

Drive wheel axle adjustable in four horizontal and nine vertical positions

Manoeuvrability with little effort



Reinforced version up to 160 kg and up to seat width 580 mm



Low seat height from 370 mm up



Seat depth from 330 - 530 mm



AVANTI PRO 1.735

USER PROFILE

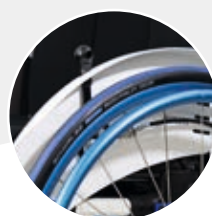
- ✓ Adaptive wheelchair for universal everyday use
- ✓ Long-term fitting for high adaptation requirements
- ✓ Very well suited for a wide range of medical conditions
- ✓ For paraplegic fittings

FOLDING ADAPTIVE WHEELCHAIR WITH PERFECT ADJUSTMENT POSSIBILITIES

The AVANTI PRO unites all the features of the AVANTI with the benefits of a one-piece frame with integrated legrests.

A folding adaptive wheelchair with high compatibility of parts and adaptability. With its minimalistic frame design, the AVANTI PRO cuts a sporty figure, rounding off the AVANTI family with its integrated legrests and sporty look.

- One-piece frame with integrated legrests
- High variability and adaptability without any great need to swap parts
- Pressure and drum brake with extremely low actuating force
- Low-torsion handling thanks to stabilising bracket
- Maximum permitted seat height difference between front and rear seat height is 70 mm



Side panel brake integrated in clothing guard (optional)



Choice of four centre of gravity settings



Pro-Design (integrated legrests)

3° wheel camber (optional)

On track handling



Two frame lengths



Seat widths from 360 – 580 mm



Back heights from 340 – 440 mm







FLASH
IMMENSELY
FLEXIBLE

PICTURED:
FLASH
PAGE 30

FLASH 1.135

USER PROFILE

- ✓ Active children and young people of nursery, preschool and school age
- ✓ For indoor and outdoor use

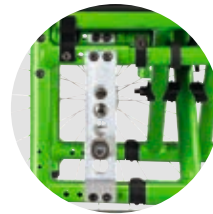
THE COOL, MAXIMUM VARIABILITY FOLDING WHEELCHAIR FOR CHILDREN

The wheelchair concept that grows with the user reduces fitting costs due to the high variability in adjusting the seat position and handling characteristics. Cool design and as quick as lightening - the Flash is up for everything!

- Smooth and agile
- Vast legroom
- Wheelbase and centre of gravity individually adjustable
- Seat unit grows with the user
- Abducted front frame as standard
- Midi and maxi frames available
- Seat depth adjustment forwards via adapter
- Telescopic back unit backwards by 45 mm
- Seat width adjustment via adapter
- Two support castors for maximum stability



Infinitely variable adjustment of lower leg length from 200 mm upwards



Ultra flexible



A seat that grows with the user



Own Flash back system, see following page

Midi frame with 22" drive wheels
Maxi frame with 24" drive wheels

Vast legroom at the front thanks to standard abduction frame



User weight up to 75 kg

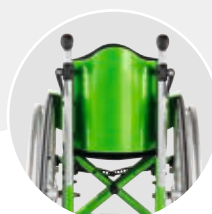


FLASH BACK SYSTEM 1.135

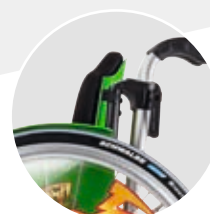
THE CHILDREN'S WHEELCHAIR BACK SHELL THAT GOES WITH A SWING

Detachable, anatomically shaped aluminium back shell for optimum positioning and more stability. With concave curve and in the same colour as the wheelchair frame.

- Low weight
- Quick and easy assembly, detachable
- Breathable mesh covers or textile black
- With or without back padding
- Individually adjustable with three trough depths
- Additional hook and loop fastening



Mounting on
back tube without the
need for tools



Concave curved



More information:



TROUGH DEPTH	IN ADDITION TO SEAT DEPTH
15 mm	0 mm
25 mm	+ 10 mm
35 mm	+ 20 mm

With back padding CODE 949 the seat depth decreases by 20 mm.







OVER
20 YEARS'
EXPERIENCE WITH
MADE TO MEASURE
WHEELCHAIRS

PICTURED:
HURRICANE SPORT
PAGE 34

HURRICANE SPORT 1.880

THE 100% PERFECT-FIT ALL-ROUNDER IN THE SPORTS WHEELCHAIR SEGMENT

The HURRICANE unites perfect dynamics, top speed and outright fighting spirit. No matter whether it's basketball, rugby, tennis or dancing. Absolute precision meets ultimate perfection. Adapted to the special requirements of the sport and your position. Complete control over the sports chair and your opponent. Maximum performance for maximum success.

Custom design

USER PROFILE

- ✓ For wheelchair sport in basketball, rugby, tennis, badminton, dancing and many more.
- ✓ For all active wheelchair users in the sports sector in general with high requirements in terms of weight and handling characteristics.

- 7020-T6 aluminium
- Dynamic for top speeds
- High-strength elements made from one piece for improved handling
- Enhanced fatigue strength due to special artificial ageing process
- Weight saving due to special aluminium alloy
- Individual powder coating at no extra cost

MADE IN
KALLDORF
100% handmade
in Germany



Oversize axle for immense stability



Side panels individually manufactured and permanently welded



Immensely stable due to high-strength elements (e.g. axle, caster fork)

Including support castor

Aluminium



Made to measure: to the millimetre



Aluminium as used in aerospace applications



Stiffness optimised by artificial ageing



HURRICANE PRO 1.880

THE FULLY EQUIPPED BASKETBALL WHEEL-CHAIR FOR NEWCOMERS

Individual adjustments can be carried out with minimum effort, as the relevant key data are already defined in the framework concept. The seating position and an optimal centre of gravity provide stability at the same time as mobility through ergonomics and minimal physical effort for locomotion. Outstanding handling, optimum smoothness of ride, precise directional stability and excellent manoeuvrability promote sports activity.

Custom design

USER PROFILE

- ✓ For sports clubs, schools and other institutions dedicated to wheelchair sports
- ✓ For users who play wheelchair basketball as a grassroots or leisure sport
- ✓ For wheelchair basketball newcomers

- High-grade 7020-T6 aluminium
- Fully equipped
- Ideally suited for multiple use
- Enhanced fatigue strength due to special artificial ageing process
- Permanently welded twin support castor wheel for maximum safety
- Excellent value for money with high quality
- Handmade



Adjustable lower leg length



Adjustable oversize axle tube for ideal gravity setting



Bolted aluminium side panels enable seat width adjustment

As standard with twin support castors, permanently welded with the frame

Footplate individually adjustable

Aluminium



User weight up to 100 kg



Aluminium as used in aerospace applications



Stiffness optimised by artificial ageing



PRODUCT BENEFITS



NANO 1.155
PAGE 11

- Durable and sturdy
- Optimum tube diameter and ideal wall thickness
- Compact thanks to folding back and intelligent assembly concept
- Low weight
- Wide range of colours



NANO C 1.158
PAGE 14

- Very good handling characteristics thanks to monocoque construction
- Perfectly adaptable
- Extremely narrow overall width
- Weight-optimised frame design
- Individual wet painting possible as an option



HURRICANE DAILY 1.880
PAGE 16

- Individual adaptation to body measurements to support rehabilitative goals
- Tuned chassis
- Perfect handling
- 100% made in Kalldorf



HURRICANE S 1.880
PAGE 17

- Individual adaptation to body measurements to support rehabilitative goals
- Elegant, sporty look
- Tuned chassis
- Perfect handling
- 100% made in Kalldorf



NANO X 1.156
PAGE 20

- Sandwich-type design
- Unique system
- Extremely stable
- Intuitive, easy folding
- Perfect folding kinematics
- Almost invisible



SMART^F 2.360
PAGE 24

- Optimised folding system with virtually parallel folding kinematics, independent engagement
- Small folded size
- Functional elements with one-handed operation
- Low actuating force required when braking thanks to aluminium light brake
- Individual colour concept



SMART^S 2.370
PAGE 25

- Optimised folding system with virtually parallel folding kinematics, independent engagement
- Small folded size
- Functional elements with one-handed operation
- Low actuating force required when braking thanks to new pressure brake
- Individual colour concept
- New swing-away, angle and depth-adjustable legrests with aluminium footplate



AVANTI 1.736
PAGE 26

- Extremely adaptable even with changing medical condition
- High variability without the need to swap parts
- Compatible with the MEYRA modular system
- Extensive range of therapeutically proven accessories



AVANTI PRO 1.735
PAGE 27

- Extremely adaptable even with changing medical condition
- High variability without the need to swap parts
- Compatible with the MEYRA modular system
- Extensive range of therapeutically proven accessories



FLASH
PAGE 30

- Infinitely variable adjustment of lower leg length from 200 mm up
- Perfect customisation to the child's individual measurements
- Seat depth adjustment (forwards) and seat width adjustment via adapter
- Telescopic back unit backwards by 45 mm



HURRICANE SPORT 1.880
PAGE 34

- Dimensions always in compliance with regulations
- High-strength construction made of 7020-T6 aluminium
- Maximum strength with minimum weight
- 100% made in Kalldorf
- Tuned chassis for perfect handling



HURRICANE PRO 1.880
PAGE 35

- Economical purchase thanks to multiple use
- Robust construction made of high-strength aluminium
- Maximum strength with minimum weight
- 100% made in Kalldorf
- Dimensions always in compliance with regulations

SPECIFICATIONS

Dimensional tolerances ± 10 mm, ± 2°, data subject to design changes

	NANO 1.155	NANO X 1.156	NANO C 1.158	SMART ^f 2.360
Frame versions				
Seat width in mm	300 / 320 / 340 / 360 / 380 / 400 / 420 / 440 / 460 / 480 / 500	320 / 340 / 360 / 380 / 400 / 420 / 440 / 460 / 480	380 / 400 / 420 / 440	320 / 340 / 360 / 380 / 400 / 420 / 440 / 460 / 480 / 500 / 520
Total width in mm	SW + 170	SW + 160	SW+ 160 ¹⁾	SW + 180
Width, ready to move, in mm	470 / 490 / 510 / 530 / 550 / 570 / 590 / 610 / 630 / 650 / 670	480 / 500 / 520 / 540 / 560 / 580 / 600 / 620 / 640 / 660 / 680	540 / 560 / 580 / 600	500 / 520 / 540 / 560 / 580 / 600 / 620 / 640 / 660 / 680 / 700
Width, folded, in mm		320 at 0° or 370 at 3°		280 at 0° wheel camber or 330 at 3° wheel camber
Height, folded, in mm		610		
Seat depth in mm	380 / 400 / 420 / 440 / 460 / 480 / 500	380 – 500	380 / 400 / 420 / 440 / 460	380 / 400 / 420 / 440 / 460 / 480 / 500
Seat height, front, in mm	450 – 530	450 – 530	450 – 530	440 – 530
Seat height, rear, in mm	360 – 510	360 – 510	360 – 510	400 – 530
Total height in mm	Seat height rear + Back height	Seat height rear + back height	Seat height rear + back height	Seat height rear + back height
Back height in mm	variable from 250 to 450, +/- 15	variable from 250 to 450 +/- 15 mm	250 – 400 ²⁾	variable from 250 to 500, + 25
Back angle adjustment in degrees	-5 / 0 / 5 / 10	-5 / 0 / 5 / 10	-5 / 0 / 5 / 10	optional
Armrest height in mm				approx. 170 – 245
Length with / without footrest in mm	720 – 920 (depending on frame length, wheel size and axle position)	720– 920 (depending on frame length, wheel size and axle position)	800 – 982 (depending on frame length, wheel size and axle position)	880– 1,030 (depending on frame length, wheel size and axle position)
Lower leg length in mm	310 – 480	310 – 480	310 – 480	300 – 480
User weight in kg	130	130	100	150
Empty weight in kg	from 9.5	from 9	from 7.5	from 9.5
Permissible total weight in kg	145	145	110	165
Transport weight in kg	6.5	6.5	from 5	7.4
Drive wheel in mm (inches)	610 (24") 635 (25") 660 (26")	600 (24") 635 (25") 660 (26")	600 (24") 635 (25") 660 (26")	610 (24") 635 (25") 660 (26")
Seat tilt in degrees				
Frame inset in mm	0 or 20 per side	0 or 20 per side	20 per side	0 or 10 per side
Front frame angle in degrees	80 or 88	80 or 88	80	79 or 86
Centre of gravity in mm	15 – 145	35 – 147	45 – 145	40 – 100

HURRICANE PRO 1.880

	CODE 353 (24")	CODE 354 (26")
Seat width in mm	320 – 400	320 – 400
Seat depth in mm	320 – 400	320 – 400
Frame length in mm	650	700
Axle position, infinitely variable adjustment in mm	60 – 170	60 – 170
Lower leg length in mm	310 – 430	360 – 480
Backrest angle, fixed in degrees	90° to road surface	90° to road surface
Side panel aluminium in mm	Height: 237 / Length: 405	Height: 164 / Length: 405
Hand rim	V2A, 6 brackets	V2A, 6 brackets
Tyres, Schwalbe	Speed Air	Speed Air
Wheel camber, fixed in degrees	16°	16°
Footboard	height and angle-adjustable	height and angle-adjustable
Skate wheel in mm	80	80
Back strap	adaptable	adaptable
Seat belt	yes	yes
Strap belt	yes	yes
Support castor wheel in mm	60 (double, welded)	60 (double, welded)
Deflector round, welded	yes	yes

¹⁾ with 0° wheel camber

²⁾ individual back heights on request

³⁾ measured from upper edge of seat belt to centre of footboard

SMART ^S 2.370	AVANTI 1.736				AVANTI PRO 1.735		FLASH	
	351 Frame short	352 Frame medium	349 Frame medium shortened	353 Frame long	352 Frame standard	353 Frame long	Midi	Maxi
320 / 340 / 360 / 380 / 400 / 420 / 440 / 460 / 480 / 500 / 520	300 – 360	360 – 580	360 – 580	360 – 580	360 – 580	360 – 580	240 – 300	240 – 400
SW + 180	SW + 180				SW + 180		SW + 180 (at 0°) / SW + 220 (at 3°) / SW + 260 (at 6°)	
500 / 520 / 540 / 560 / 580 / 600 / 620 / 640 / 660 / 680 / 700	Seat width + 200 (with side panel CODE 100 SW + 180)				SW + 190 (with side panel CODE 100 SW + 180)			
280 at 0° wheel camber or 330 at 3° wheel camber	280				280			
380 / 400 / 420 / 440 / 460 / 480 / 500	330 – 380	350 – 460	380 – 400	480 – 530	350 – 430	460 – 500	240 – 300	320 – 400
400 – 540	370 – 500	370 – 560	370 – 560	370 – 560	440 – 520	440 – 520	390 – 470	390 – 480
370 – 530	370 – 470	390 – 520	385 – 520	390 – 520	420 – 520	440 – 520	360 – 440	390 – 470
Seat height rear + back height	Seat height rear + back height				Seat height rear + back height		RSH + BH + 40	
variable from 250 to 500, + 25	340 – 400	380 – 500	380 – 500	380 – 500	340 – 440	340 – 440	250 – 400	
optional	optional				optional		75° – 105°	
approx. 170 – 245	165 – 240	200 – 290	200 – 290	200 – 290	200 – 290	200 – 290		
880 – 1,030 (depending on frame length, wheel size and axle position)	880 / 660	1,040 / 770	1,010 / 740	1,120 / 850	870 – 960 (depending on frame length, wheel size and axle position)	925 – 1,015 (depending on frame length, wheel size and axle position)	670 – 745	855 – 930
270 – 490	290 – 520						200 – 290	250 – 320 / 330 – 440 ³⁾
150	75	135	135	160	135		75	
from 10.5	from 12	from 13	from 13	from 14	from 11		from 10	
from 170	90	155	155	185	from 146		85	
6.5	8	8.5	8.5	9	8.5		8	
560 (22") 610 (24") 635 (25") 660 (26")	508 (20") 560 (22") 610 (24") 635 (25") 660 (26")	508 (20") 560 (22") 610 (24") 635 (25") 660 (26")	508 (20") 560 (22") 610 (24") 635 (25") 660 (26")	508 (20") 560 (22") 610 (24") 635 (25") 660 (26")	610 (24")		550 (22") 600 (24")	
					0° – 10°			
70 or 78								
40 – 100	25 – 70				25 – 70		40 – 100	

HURRICANE SPORT 1.880

100% made to measure
Needs-based manufacturing.
Specifications on request

FRAME COLOURS



Other frame colours on request / FLASH frame colours see order form



MEYRA GmbH Meyra-Ring 2 | D-32689 Kalletal-Kalldorf
info@meyra.de | Tel.: +49 5733 922 - 0 | Fax: +49 5733 922 - 9311 | www.meyra.com

2022-06 We reserve the right to make technical modifications to our products, and assume no liability for printing errors or variation in colour in our printed matter.

Ident-Nr. 261 504 601

Picture credits: Page 6 © "whyframeshot" – stock.adobe.com; Pages 6, 7 © "contrastwerkstatt" – stock.adobe.com; Page 8 © "Gorodenkoff" – stock.adobe.com; Page 15 © "SimplLine" – stock.adobe.com, © "releon8211" – stock.adobe.com