MEYRA

Manual Active Wheelchairs

FEMTO / NANO / AVANTI / HURRICANE / FLASH





90 years MEYRA

For 90 Years: We *move* People.

In 1936, Wilhelm Meyer built a wheeled chair in Vlotho for an injured family member. This led to a metalworking workshop, then a company, then a brand, and today the MEYRA Group: leading wheelchair brands, around 750 employees, and partners in over 70 countries. Ninety years of wheelchair manufacturing mean ninety years of innovative spirit, new beginnings and the conviction that mobility means quality of life and inclusion. From nursing wheelchairs to high-tech electric wheelchairs and right through to the latest generation of active wheelchairs: the FEMTO range! Today, the MEYRA Group has the right solution for almost every need, developed in Europe.

More about MEYRA

Content

FEMTO Line 4

Endless opportunities

FEMTO R 5
Rigid open-frame wheelchair with seat module

FEMTO X 6
Ultra-lightweight cross-folding wheelchair with fixed front frame

FEMTO S 7
Highly stable cross-folding wheelchair with swing-away/removable legrests



NANO Line 8

Designed to move you

NANO 9
Rigid open-frame wheelchair

NANO X 10
Foldable wheelchair with open-frame design

NANO S 11
Foldable wheelchair with open-frame design and swing-away/removable legrests



AVANTI Line 12

Versatile by design

AVANTI 13
Cross-folding wheelchair with swing-away/removable legrests

AVANTI PRO 13
Cross-folding wheelchair with fixed front frame



HURRICANE Line 14

Handcrafted to measure

HURRICANE S 14
Made-to-measure rigid open-frame wheelchair

HURRICANE DAILY 14
Made-to-measure rigid box frame wheelchair



NETTI SEAT CUSHIONS 15

Next generation of seating

NETTI precision line 15
Multi-hardness cushions for skin protection and stability



FLASH 16

Freedom to grow

FLASH 17
Dynamic wheelchair for kids





FEMTO Line

Endless Opportunities

More freedom. More possibilities. More you.
FEMTO is the new generation of MEYRA active wheelchairs, designed to evolve with you. Smart adjustability, ergonomic excellence and minimalist design come together in a product family built around your individual needs. Precise, adaptable and engineered without compromise, FEMTO gives you the freedom to make your wheelchair truly yours.

A new generation of active wheelchairs.
Designed to evolve with you.

HIGHLIGHTS

- Smart adjustability that adapts to you
- Performance without unnecessary weight
- Minimalist by design
- Engineered in Switzerland. Built in Europe.
- Made for active lives



FEMTO R

Rigid open-frame wheelchair with seat module



FEMTO X

Ultra-lightweight cross-folding wheelchair with fixed front frame



FEMTO S

Highly stable cross-folding wheelchair with swing-away/ removable legrests

FEMTO R

1.180

The quickest-to-adjust wheelchair on the market

The FEMTO R, developed with Rainer Küschall, Swiss pioneer in wheelchair design, combines an open-frame design with clean lines and integrated solutions. Reduced to the essentials, it puts the focus where it belongs: on your personality.



80° or 88°

320–500 mm

340–500 mm

From 8,5 kg

From 5,6 kg

Front: 450–530 mm
Rear: 390–500 mm

260–510 mm

250–450 mm

Up to 125 kg

Crash Test approved



1. Separate seat module system allows all necessary adjustments without any need to modify the frame, maintaining constant, perfect geometry to the ground
2. Minimal number of screws, all discreetly concealed for a clean, refined look
3. Ergonomic hand grip thanks to hydroformed tubing, combining increased frame strength with a lightweight construction
4. Unique integrated castor alignment system enables easy and precise alignment with just one tool, ensuring reliable straight-line driving

More about *FEMTO R*



Center of gravity

Wide adjustment range: 8 positions (from 115mm to -25mm)



Rear seat height adjustment

Hidden adjustments on the vertical braces, allowing 10 positions



High-mounted footplate

Integrated and light-weight solution for users with short leg length (from USL 250 mm)

FEMTO X

1.185



Rigid-frame performance, folding convenience

The FEMTO X combines the driving performance of a rigid-frame wheelchair with the convenience of an easy-to-fold design. Its rigid front frame delivers a direct and responsive driving experience, while the optimized cross-brace design enables effortless, parallel folding, even for users with reduced strength or hand function.

70° or 80°	320–520 mm	340–500 mm	From 9,5 kg	From 7,4 kg
Front: 440–560 mm Rear: 390–530 mm	260–520 mm	250–500 mm	Up to 130 kg	Crash Test approved



1. Standard angle-adjustable backrest in 5 positions
2. Backrest position can be precisely aligned with the rear wheel position for optimized positioning and driving performance
3. Ergonomic front frame shape facilitates handling, repositioning and transfers
4. Minimal visible frame for a modern, minimalist look, with a coloured front frame contrasting with the black rear frame and cross-brace

More about *FEMTO X*



Frame alignment

For smooth and easy transfers



Side panels

Clothes or mudguards, available in carbon, aluminium or composite materials



Compact design

Also available with an optional foldable backrest for easier transport and storage

FEMTO S

1.186

Smart adjustability that adapts to you

The FEMTO S is a highly stable cross-folding wheelchair designed for ease of use, flexibility, and smart adjustability. Its swing-away and removable legrests make transfers and everyday handling easier, while a range of adjustment solutions allow it to be precisely adapted to the user.





1. Frame height aligned with the legrests for smoother transfers, with a one-finger-operable legrest lever for easy handling, even with limited hand function
2. Rear wheel extension without the need for additional components
3. Single cross-brace for seat widths up to 420 mm and double cross-brace starting 440 mm. Frame length individually matched to the seat depth
4. Optimized frame and cross-brace design combines high strength and stability with low weight and effortless folding

More about *FEMTO S*



Easy to operate legrests

Available in 2 different angles (70°, 80°)



Center of gravity

The axle adapter can be rotated to achieve a more passive seat position.



Always drives straight

Unique integrated castor alignment system, fully integrated for ease of use



NANO Line

Designed to move you

The NANO line combines distinctive open-frame design, agile handling and freedom of movement. Across three models, NANO, NANO X and NANO S offer the right balance of compactness, stability and everyday practicality, from rigid-frame to folding solutions.

Sporty, agile and easy to handle, NANO is designed for dynamic driving and a distinctive look. Thoughtful details, extensive standard equipment and a wide range of design options complete the family.

Dynamic. Agile. Distinctive.

HIGHLIGHTS

- Distinctive open-frame design across the family
- Rigid-frame and folding concepts to suit different needs
- High stability and robust construction
- Compact and easy to handle for everyday mobility
- Individual design with 10 frame colours and optional reflective stickers



NANO

Rigid open-frame wheelchair



NANO X

Foldable wheelchair with open-frame design



NANO S

Foldable wheelchair with open-frame design and swing-away/removable legrests

NANO
1.155



Stable by design

The NANO combines a distinctive open-frame design with a highly rigid construction for a stable, responsive driving experience. Its solid frame provides excellent stiffness and control, while the sporty design and agile handling make it a confident choice for active everyday mobility.

80° or 88°	300–500 mm	380–500 mm	From 9,5 kg	From 6,5 kg
Front: 450–530 mm Rear: 360–510 mm	310–480 mm	250–450 mm	Up to 130 kg	Crash Test approved



1. High-quality 7020-T6 aluminium frame
2. Folding backrest with locking mechanism and tension adjustable upholstery
3. Under-seat upholstery pouch included as standard

More about *NANO*



Backrest options

15 or 25 mm inward/ outward offset



Vario element

For rear seat height and centre-of-gravity adjustment



Side guards

Removable

NANO X

1.156

Performance that folds

The NANO X combines distinctive design, intuitive functionality and responsive handling in one versatile wheelchair. Its discreet folding system makes folding and everyday handling simple and intuitive, while its rigid-frame-like driving characteristics provide stability and control. Compact and space-saving, the NANO X is easy to handle, transport and store, without compromising on driving experience.





80° or 88° | 320–480 mm | 380–500 mm | From 9 kg | From 6,5 kg

Front: 450–530 mm
Rear: 360–510 mm | 360–480 mm | 250–450 mm | Up to 130 kg | Crash Test approved



1. Extremely flat double-cross-brace design for rigid-frame-like driving performance
2. Side guards available in aluminium, carbon or plastic, with or without armrests
3. Wide range of rear wheels, tyres and handrims

More about *NANO X*



Folding mechanism

Double-cross-brace sandwich design



Push-handles

Without, short, swiveling or height adjustable



Two-pieces fooplates

Flip-up, height/depth and angle adjustable

NANO S

1.157

Open-frame design, folding practicality, removable legrests

The NANO S combines the distinctive open-frame design of the NANO line with the practicality of a folding wheelchair. Its fixed front frame with removable legrests offers a practical configuration while making transfers and everyday handling easier. The folding system makes the wheelchair compact for transport and storage, while its stable construction supports controlled and agile driving.





86°



320–480 mm



380–500 mm



From 10 kg



From 6,5 kg



Front: 450–550 mm
Rear: 360–510 mm



380–480 mm



250–450 mm



Up to 130 kg



Crash Test approved



1. Swing-away and removable legrests with open-frame design
2. Wide range of footplates
3. Aluminium front castors, available in different colours

More about *NANO S*



Legrests

Swing-away and removable, easy to use



Arm supports

Height-adjustable with one-hand operation and removable



Options

Anti-tippers, tipping aid

AVANTI Line

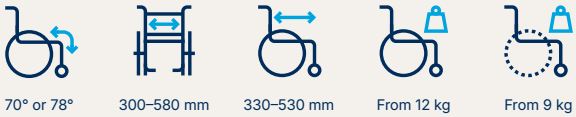
Versatile by design

The AVANTI is made for active everyday life. Its practical folding design combines easy handling with a wide range of adjustment and equipment options, making it a versatile companion at home, at work and in leisure time.

Designed to meet different mobility needs, the AVANTI can be individually adapted to the user. A wide range of seat height adjustments and configuration options supports different requirements, including specific solutions for users with hemiplegia or residual standing ability.

Accessible, practical and adaptable, the AVANTI supports active mobility in everyday life by allowing to configure the wheelchair around the user's needs and routines, rather than the other way around.

Practical. Adaptable. Versatile.



70° or 78°	300–580 mm	330–530 mm	From 12 kg	From 9 kg
Front: 380–560 mm Rear: 370–520 mm	290–520 mm	340–500 mm	Up to 160 kg	Crash Test approved

The indicated technical data are for AVANTI (1.736); these may slightly differ on model AVANTI PRO (1.735). More detailed technical data per model can be found on page 18–19.

HIGHLIGHTS

- Individually adaptable to different mobility needs
- Suitable for users with residual walking or standing ability
- Configurations available for less active users
- Reinforced version for users up to 160 kg and seat widths up to 580 mm
- Wide range of options and adjustment possibilities
- Suitable for use at home, at work and in leisure time

More about *AVANTI*

More about *AVANTI PRO*

AVANTI
1.736

Adaptability for everyday mobility

The AVANTI combines practical folding convenience with extensive adjustment possibilities. Its flexible configuration allows the wheelchair to be adapted to different seating positions, mobility needs and activity levels, while swing-away and removable legrests make transfers and everyday handling easier. A wide range of options provides additional flexibility to configure the wheelchair around the user.



1. 4 frame lengths for an optimized frame length-to-seat depth ratio
2. Swing-away and removable legrests for easy transfers
3. Front seat height from 380 to 560 mm and rear seat height from 370 to 520 mm



AVANTI PRO
1.735

Versatile with a fixed front frame

The AVANTI PRO combines the versatility of the AVANTI with a fixed front frame, giving it a more dynamic look and a direct, stable driving experience. Extensive adjustment possibilities allow the wheelchair to be adapted to the user, while the fixed front frame creates a consistent and streamlined design. The AVANTI PRO combines stability, adaptability and everyday practicality in a folding wheelchair.

1. Fixed front frame
2. Tension-adjustable seat upholstery as standard
3. Optional 3° camber



Centre of gravity

4 positions



Front castor adjustment

Eccentric adjustment of the castor housing



Compact folding dimensions

Width from 280 mm and height from 470 mm (short frame)

HURRICANE Line

Handcrafted to measure

The HURRICANE is a handcrafted, made-to-measure rigid-frame wheelchair designed around the individual. Every dimension is precisely tailored to the user, adjustments can be made to the millimeters, exactly as the user wishes it.

Its rigid-frame construction, either available as open-frame or box design, provides the stiffness and robustness needed for efficient power transfer, precise handling and dependable everyday performance. Every detail is carefully considered to create a wheelchair that feels like a natural extension of the user.

Handcrafted with precision and built around the user, the HURRICANE combines an exact fit with robust, reliable performance for everyday life.

HIGHLIGHTS

- 100% made to measure
- Handcrafted from start to finish
- Maximum rigidity. Minimal weight.
- Fully welded for strength and durability
- From just 4 kg transport weight



Up to 130 kg


From 9,5 kg


From 4 kg


Crash Test approved



Side panels

Individually made to measure and welded



Rigid and durable

Perfect balance of weight and stability

HURRICANE S

1.880



More about *HURRICANE S*

HURRICANE DAILY

1.880



More about *HURRICANE DAILY*

Netti Precision™

Netti

A new Dimension *of Seating*

Secure pressure relief in high-risk areas and optimal microclimate



Every wheelchair user is different. That's why the Netti Precision family offers three cushions designed to meet different seating and positioning needs. All cushions ensure optimal temperature and reduced moisture. The combination of a contoured seat and soft immersion zones controls and effectively redistributes pressure.

23 %

Less moisture on contact points compared to alternative pillows

2,6 °C

Lower temperature at contact points compared to alternative cushions

HIGHLIGHTS

- ✓ Ready to use right away
- ✓ No individual adjustment necessary
- ✓ The inside of the cushion is washable at 65 °C



NETTI PRECISION ACTIVE

Made for users with increased needs for temperature and moisture management and pressure relief. The seat contour is less defined and the cushion height is ideal for active wheelchairs.



NETTI PRECISION 1

A slightly higher cushion with a more pronounced well shape for enhanced pressure redistribution. The Netti Precision 1 is generally suitable for users with a flatter seat shape and more natural padding in the seat area.



NETTI PRECISION 2

This seat with its more pronounced contours minimises pressure in particularly vulnerable areas and provides excellent pressure relief for the coccyx and pelvic floor. Netti Precision 2 is generally suitable for users with more pronounced ischial tuberosities and less natural padding in the buttocks.

More about *NETTI PRECISION™*



FLASH

Freedom to grow

FLASH is a dynamic folding wheelchair designed to grow with children and young people. Its highly adjustable seat unit and chassis make it easy to adapt as the user grows, while adjustable wheelbase and centre of gravity support an active, agile driving experience. With its compact folding design, generous legroom and distinctive look, FLASH combines everyday practicality with the freedom to move independently.

Ready to grow. Ready to move.

HIGHLIGHTS

- Grows with the user
- Dynamic and agile handling
- Highly adjustable seat and chassis
- Adjustable seat width with adapters
- Adjustable wheelbase and centre of gravity
- Generous legroom
- Maximum user weight of 75 kg

FLASH
1.135

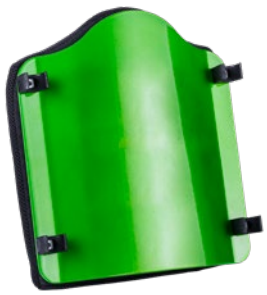
240–400 mm | 240–400 mm | Front 390–480 mm Rear 360–470 mm | From 10 kg | From 8 kg

200–440 mm | 250–400 mm | Up to 75 kg | Crash Test approved



1. Midi frame with 22″ rear wheels
   Maxi frame with 24″ rear wheels
2. Standard abducted front frame for increased front legroom
3. Dynamic, highly agile castor wheels

More about *FLASH*



Flash back system

Anatomically shaped back shell for enhanced support and positioning

- Lightweight aluminium construction
- Tool-free mounting and easy removal
- Available with breathable mesh or black textile upholstery
- Three shell depths for individual positioning
- Additional Velcro® fixation for secure positioning



Lower-leg length

Continuously adjustable from 200 mm



Grows with the user

Growth-adjustable seat unit



Wide range of options

Exclusive colours and dedicated options available

TECHNICAL DATA

	FEMTO R 1.180	FEMTO X 1.185	FEMTO S 1.186	NANO 1.155	NANO X 1.156
DIMENSIONS					
Front frame angle in degrees	80 or 88	70 or 80	-	80 or 88	80 or 88
Legrests angle in degrees	-	-	70 or 80	-	-
Frame inset in mm	0 or 20 per side	-	-	0 or 20 per side	0 or 20 per side
Seat width in mm	320–500 in 20 mm increments	320–520 in 20 mm increments	320–520 in 20 mm increments	300–500 in 20 mm increments	320–480 in 20 mm increments
Seat depth in mm	340–500 in in 10 mm increments	340–500 in in 10 mm increments	340–500 in 10 mm increments	380–500 in 20 mm increments	380–500 in 20 mm increments
Seat height, front, in mm	450–520	420–560	420–560	450–530	450–530
Seat height, rear, in mm	390–500 in 10 mm increments	390–530 in 10 mm increments	390–530 in 10 mm increments	360–510	360–510
Lower leg length in mm	250–510 in 10 mm increments	260–520 in 10 mm increments	370–520 in 10 mm increments	310–480 in 10 mm increments	360–480 in 10 mm increments
Backrest angle in degrees	75 / 80 / 85 / 90 / 95	80 / 85 / 90 / 95 / 100	80 / 85 / 90 / 95 / 100	80 / 85 / 90 / 95	80 / 85 / 90 / 95
Back height in mm	250–450 in 15 mm increments	250–500 in 15 mm increments	250–500 in 15 mm increments	250-450 in 15 mm increments	250-450 in 15 mm increments
Centre of gravity in mm	(-15)–145	(-25)–115	(-25)–115	15–145	35–147
Rear wheels sizes in inches	24 / 25 / 26	24 / 25 / 26	24 / 25 / 26	24 / 25 / 26	24 / 25 / 26
Total width in mm	SW + 190	SW + 180	SW + 180	SW + 170	SW + 160
Width, ready to move, in mm	510–810	450–760	450–760	470–670	480–680
Width, folded, in mm	-	290 (1°) / 330 (3°)	290 (1°) / 330 (3°)	-	320 (0°) / 370 (3°)
Length with footrest in mm	760–860	810–1130	880–1030	720–920	720–920
Height, folded, in mm	-	-	-	-	-
WEIGHT					
Max user weight in kg	125	130	130	130	130
Empty weight in kg	From 8,5	From 9,5	From 9,5	From 9,5	From 9
Transport weight in kg	From 5,6	7,4	7,4	7,4	6,5
TESTING					
Brake test according to standard	7	7	7	7	7
Crash tested (ISO 10542-2)	✓ [1]	✓ [1]	✓ [1]	✓ [1]	✓ [1]
Crash tested (ISO 7176-19)	✓	✓	✓	✓	✓

The measurements and weights indicated are based on a wheelchair with a seat width of 400 mm and a seat depth of 400mm, configured in its lightest and most compact version.

[1] tested in standard version. Measurements and weights may vary depending on the selected configuration.

NANO S 1.157	AVANTI 1.736	AVANTI PRO 1.735	FLASH 1.135
-	-	-	-
86	70 or 78	-	-
-	-	-	-
320–480 in 20 mm increments	300–580 in 20 mm increments	360–580 in 20 mm increments	240–400 in 20 mm increments
380–500 in 20 mm increments	330–530 in 20 mm increments	350–500 in 20 mm increments	240–400 in 20 mm increments
450–550	380–560	440–520	390–480
360–510	370–520	420–520	360–470
380–480 in 10 mm increments	290–520 in 10 mm increments	380–520 in 10 mm increments	200–440 in 10 mm increments
80 / 85 / 90 / 95	optional	optional	75°–105°
250-450 in 15 mm increments	340–500 in 20 mm increments	340–440 in 20 mm increments	225–425 in 25 mm increments
35–147	22,5–70	30–75	25–70
24 / 25 / 26	20 / 22/ 24	24	22 / 24
SW + 160	SW + 180	SW + 180	SW + 180 (at 0°) SW + 220 (at 3°) SW + 260 (at 6°)
480–680	SW + 200 (with C-100 SW + 180)	SW + 190 (with C-100 SW +180)	-
320 (0°) / 370 (3°)	280	280	-
835–995	880, 1010, 1040, 1120 WITHOUT Footrest: 660, 770, 850	Frame standard 870–960 Frame long 925–1015	Midi 670–745 Maxi 855–930
610	-	-	-
130	160	135	75
From 10	From 12–13	From 11	From 10
7	8–9	8,5	8
7	7	7	7
✓ [1]	✓ [1]	✓ [1]	✓ [1]
✓	✓	✓	✓

Legend



Frame angle



Seat width



Seat depth



Seat heights



Knee-to-heel length



Backrest height



Total weight



Transport weight



Max. user weight



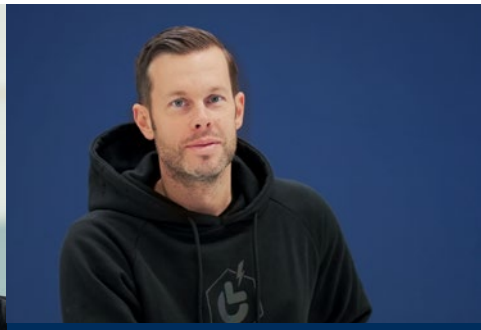
Crash Test approved



Use our online configurator for orders and configurations: www.kisss-by-meyra.de

MYCAMPUS





FELIX OTT

Felix Ott is Head of Training & Education within the MEYRA Group and head of MYCampus. In-depth industry knowledge and a deep understanding of the importance of education and training in wheelchair fittings make him an expert in this field.

Register now to reserve your spot at the seminar

New Learning, New Knowledge Swift, Efficient & Sustainable

MYCampus is the place to go for healthcare professionals for comprehensive learning and practical assistance in the field of mobility with MEYRA's manual and power wheelchairs.

Specialist Seminars

Visit our website to explore the seminar calendar for face-to-face and online seminars with well-known experts who will deepen and broaden your knowledge. Internal and external speakers also present innovative concepts.

How-To Videos

You can also refer to our short and concise how-to videos for quick instructions on small repairs or adjustments to our wheelchairs.

Webinars

Available 24/7

English-language webinars

Certificate included

Benefits

- **24/7 professional development with e-learning**
  Learn whenever and wherever you want
- **Blended Learning**
  E-learning combined with webinars and seminars for optimal learning outcomes
- **Confirmation of learning success**
  Online knowledge check and certification

MEYRA GmbH Kleiststraße 49 • 32457 Porta Westfalica • Germany
info@meyragroup.com • phone +49 571 93292-000 • fax +49 571 93292-001 • meyra.com

2026-09 EN-INT 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