

ACTIVE WHEELCHAIR X1 MODEL 3.350

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The optimised active wheelchair X1 from the Xchange design line



No doubt about it: the X1 is good. It won the red dot design award in 2002. And it gets the vote of all those who use an X1 every day. However, the varied demands of everyday use create fresh needs and requirements. Users' experiences combined with our knowhow and the will to optimise have resulted in the new X1. This chair is in its element where the elements are concerned. The new X1 is better!

Profile for Professionals

The X 1 presents itself as the new generation of active wheelchairs. And with it a new demand toward function and design. Due to its lightness (9.5 kg / 20.9 inch) and individual adaptability the X 1 is predestined for diverse disease patterns, especially paraplegics.

Its properties enhance mobility and thus independence in order to compensate handicaps.



Adjustment	Operation	Accessories
<ul style="list-style-type: none">• Two frame lengths• 9 seat widths, 6 seat depths and 8 back heights• With wheel sizes 24" and 25" the seat heights can be adjusted between 44 and max. 55.5 cm (17 and max. 21.9 inch) and in the back between 39 and 52.5 cm / (15 and 20.7 inch).• The maximum possible seat angle reclining is 18°• Lower shank lengths can be adjusted between 30 and 48 cm (11.8 and 18.9 inch), the footboard is depth and angle adjustable• The axle is adjustable in 49 (7 H. x 7 V.) positions.	<ul style="list-style-type: none">• Manual drive through the handrims• Simple sideward transfer through smooth transition of front frame and seat surface• The wheelchair can be folded for transport and the wheels are removable.• The wheelchair can be braked with pressure or butterfly-brakes	<ul style="list-style-type: none">• Back support angle adjustment• Breathable back covers• Anti-tilting castor• Shunting castors• Step bar• Swivel-away pushing handles• Tetraplegic handrims• Height adjustable push handles• Automatically folding footboard• Heel fixation• Footboard locking device• Wheelbase extender• Brake lever extension• Seat cushion / folding fixation• Auxiliary drives• Xtrend item

DETAILS



Perfect chassis

- better and more firm driving behaviour
- Front frame and crossbrace tubes reinforced for extreme use



Expanded adjustment

sector of the castor bushing, adjustable up to 18° seat angle.



New rear frame

Vario block reinforces and endures harder demands



Xchange brake

sportive, compact, light, with short activation ways and enormous braking force

Back Support

The X 1 can be adapted to the most diverse demands like a tailor made suit. The high quality cover fabric is available in blue and black. The adjustable back strap and the seat strap, naturally perfectly upholstered, invite to sit down.



Height adjustable push handles

Code 140, telescopic and 10 cm / 3.9 inch height adjustable



Breathable cover

Code 292, Breathable, light and extremely durable with best seating comfort.



Back Support

Code 31, Angle adjustable, +/- 15° in 5° steps in order to equalise large seat angles and adjust an ergonomically correct posture.

Arm Supports

The coloured aluminium side elements conform with the wheels. Being exact leads to safety through very good torso side support and stability. Precision results in protection. The integrated splash guard on the individually adjustable clothes guard prevents jamming between the drive wheel and clothes guard.



Inner side

Neoprene or carbon inlay on the inside - comfortable and effective against heat or cold.



Stability

Extraordinary stability of the side elements in all wheel positions.



Carbon side part

light, sturdy, sportive and high value in the design. Weight reduction by 50%!

Item no.: 1055 157 (left)
Item no.: 1055 158 (right)

Leg supports

Individual and safe positioning of the feet. The continuous footboard is angle and height adjustable, the

proven rubber coating offers firm hold that can be increased through the foot fixation. Practically the slip-proof footboard can be folded up and optionally swivelled to the side.



Foot board

Optimised locking device, foot fixation optional



Foot board

Swivel-proof and if desired can be turned 180° toward the outside.



New calf strap

Calf strap attachment with clips. Keeps the calf belt at the desired height

Brake

Pressure brake Xchange, Code 305, is optimised in weight and effectively. About 50% weight reduction at higher braking force.



Anti-tilting castors



Anti Tip Wheels, Code 691 / 712 / 713, For the safe start. Selectable as a pair of just assembled right or left.

Castor Stem

The form follows the function on the front chassis with castor stem attachment and steering fork. Puristic metal optic supports the design. Two lengths of steering forks define the front seat height. The castor stem angle is steplessly adjustable.

With 3 cm / 1.2 inch height adapters a front seat height of more than 55 cm / 21.7 inch can be achieved. The reinforced castor stem, a proven technology from the



sport segment, make the X1 fit for more than everyday use.



The perfect light running performance is achieved through weight minimising. This is



achieved with highly durable aluminium forged parts.

Variable Block

The drive wheels can be mounted extremely close to the frame. The relation of the seat width to overall width reaches a new dimension: Seat width only 17 cm / 6.7 inch at 0.5° camber! The vario block design is exemplary because the vario block as well as the screwed connections are weight optimised and adjustable to 0.5° and 3° wheel camber.

Strong connection

The connection to the drawn frame profiles guarantees a highly rigid connection.

Rear seat height 39 to 52 cm / 15 to 20 inch.



The slim folding wheelchair



Folded down the X1 saves space. Unfolded the seat tubes are locked in such a fashion that the stabilisation of the complete frame is guaranteed and a perfect straightforward course is possible with perfect agility – almost comparable to fixed frame designs. Two frame lengths result in seat depths up to 46 cm / 18.1 inch. But also heavy weight people up to 120 kg / 264.5 pd find enough space.