

TECHNICAL MANUAL



EASyS Advantage Pediatric Wheelchair

- Models (seating system and chassis)
- Accessories for EASyS Advantage
- Accessories for A chassis Advantage and Q chassis

INDEX

EASyS Advantage ...

... is a pediatric wheelchair for children with safety seat.

You can find further information about Advantage on the Internet: www.thomashilfen.com or www.thomashilfen.us

Content	page
MODELS	EASyS Advantage seating system – size 1 and 2 3
	A chassis Advantage – size 1 and 2 4
	Q chassis. 4
MODELS standard features optional	Upholstery set 5
ACCESSORIES for EASyS Advantage seating system	Foot straps 6
	Calf strap 6
	Footrest-tube upholstery 6
	Abduction block 6
	Grip rail 7
	Grip rail, strong curved 7
	Lateral trunk support with chest belt 7
	Lateral trunk support 7
	Tray 8
	Accessory bag 8
	Frame padding 8
	2-point pelvic belt with front pull 9
	4-point pelvic belt with front pull 9
	Crotch strap 9
	Soft pelvic harness 9
	Butterfly/chest harness 10
	Butterflychest harness, flexible 10
	Seat waistcoat 10
	H-belt, padded 10
	Lateral head support 11
	Lateral head support, 45° 11
	Sun and rain cover with leg blanket 12
	Sun and rain cover 12
	Rain shield for sun and rain cover 12
	Transparent cover with leg blanket 13
	Sleeping bag (padded + woven fur) 13
	Umbrella 13
ACCESSORIES for A chassis Advantage	Vent tray 14
	Pneumatic wheels 14
	Tip assist 14
	Transit tie down system 14
ACCESSORIES for Q chassis	Adapter 15
	Push bar 15

SEATING SYSTEM



Advantage seating system	size 1	size 2
Item code	6609/9	6709/7
Seat depth	19 - 30 cm 7.5 - 11.8"	27 - 38 cm 10.6 - 15"
Seat width	19 - 31 cm 7.5 - 12.2"	25 - 37 cm 9.8 - 14.6"
Back height	41,5 - 68 cm 16.3 - 26.8"	55 - 74 cm 21.7 - 29.1"
Lower leg length	17.5 - 29 cm 6.9 - 11.4"	21 - 37 cm 8.3 - 14.6"
Hip angle	90° - 180°	90° - 180°
Knee angle	90° - 180°	90° - 180°
Foot angle	78° - 100°	78° - 100°
Turning range of seat	180°	180°
Seat tilt-in-space in driving direction (on A chassis Advantage)	-10° to +35°	-10° to +35°
Seat tilt-in-space face-to-face (on A chassis Advantage)	0° to +35°	0° to +35°
Size of hip guide (w x h)	23 x 12 cm 9.1 x 4.7"	30 x 15 cm 11.8 x 5.9"
Size of footrest (w x d)	28 x 18 cm 11 x 7.1"	32 x 21 cm 12.6 x 8.3"
Weight (seat)	9 kg / 19.8 lb	10.4 kg / 22.9 lb
Max. user weight (seat)	35 kg / 77.2 lb	40 kg / 88.2 lb
Material	upholstery: PES fabrics, 3-mesh- air-comfort-interlaced yarns (AGW) seat: aluminium tubular frame, plastic assembly units	

Standard features

BSS (Balance Safety System) – safety seat; physiological pivots for the hip and knee joint; breathable seat and back upholstery as well as side padding (freely selectable) with reflective safety-seams; additional upholstery for more sitting comfort; fire retardant fabrics; lateral body guides; tiltable footrest, height and angle adjustable; brackets for sun and rain cover; continuously adjustable back height, hip angle, seat depth and seat width; easily accessible adjustments using star screws

CHASSIS



A chassis Advantage	size 1	size 2
Item code (swivel front wheels)	6201/3	6401/3
Item code (fixed front wheels)	6200/3	6400/3
Seat tilt-in-space in driving direction	-10° to +35°	-10° to +35°
Seat tilt-in-space face-to-face	0° to +35°	0° to +35°
Turning range of seat	180°	180° / 18.1"
Seat height with seat unit	47 cm / 18.5"	46 cm / 18.1"
Push bar height	71.5 - 117 cm / 28.1 - 46.1"	71.5 - 117 cm / 28.1 - 46.1"
Turning circle	83 cm / 32.7"	99 cm / 32.7"
Overall dimensions (l x w x h) only A chassis Advantage	99.5 x 59.5 x 96 cm 39.2 x 23.4 x 37.8"	107 x 69 x 108 cm 42.1 x 27.2 x 42.5"
Folded dimensions (l x w x h) only A chassis Advantage	81 x 59.5 x 38 cm 31.9 x 23.4 x 15"	81 x 69 x 38 cm 31.9 x 27.2 x 15"
Overall dimensions (l x w x h) with seat unit EASyS Advantage	99.5 x 59.5 x 114 cm 39.2 x 23.4 x 44.9"	107 x 69 x 120 cm 42.1 x 27.2 x 47.2"
Folded dimensions (l x w x h) with seat unit EASyS Advantage	82 x 59.5 x 42.5 cm 32.3 x 23.4 x 16.7"	86 x 69 x 55 cm 33.9 x 27.2 x 21.7"
Wheel size swivel wheels (front)	18 cm / 7.1"	18 cm / 7.1"
Wheel size (rear)	25 cm / 9.8"	25 cm / 9.8"
Weight (without seat unit)	9.8 kg / 21.6 lb	10.9 kg / 24 lb
Max. load capacity basket	5 kg / 11 lb	5 kg / 11 lb
Max. load capacity (incl. seat unit)	50 kg / 110.2 lb	55 kg / 121.3 lb
Material	aluminium tubular frame, powder-coated, rim: PP (polypropylene); tires: composition rubber	

Standard features

Chassis: lightweight and stable aluminum chassis, foldable; adjustment of seat angle inclination as well as seat assembling and disassembling by central lever; included spring in rear frame; height adjustable push bar with biocompatible soft grip; foot brake; no-flat EVA-wheels; fixed front wheels or swivel front wheels incl. swivel lock; removable basket

Seat unit: see page 3

Q chassis	size 1	size 2
Item code chassis	6666/6	6666/6
Seat tilt-in-space	-7° to +31°	-7° to +31°
Seat height with seat unit	29 - 69 cm / 11.4 - 27.2"	29 - 69 cm / 11.4 - 27.2"
Adapter height	21 - 60 cm / 8.3 - 23.6"	21 - 60 cm / 8.3 - 23.6"
Size of swivel wheels (front)	100 mm / 3.9"	100 mm / 3.9"
Size of swivel wheels (rear with brake)	100 mm / 3.9"	100 mm / 3.9"
Total dimensions (only Q chassis) (l x w x h)	76 x 54 x 25 - 62 cm / 29.9 x 21.3 x 9.8 - 24.4"	76 x 54 x 25 - 62 cm / 29.9 x 21.3 x 9.8 - 24.4"
Weight (without seat unit)	13.5 kg / 29.8 lb	13.5 kg / 29.8 lb
Max. load capacity	50 kg / 110.2 lb	50 kg / 110.2 lb
Material	aluminium tubular frame, powder-coated, PU castors	

Standard features

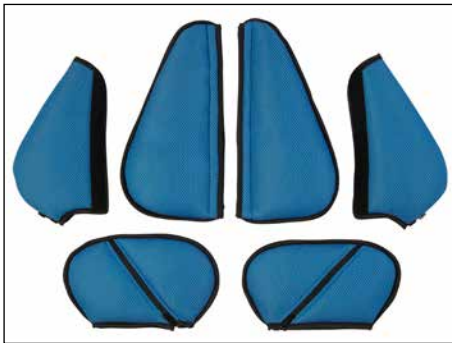
Chassis: comfortable indoor chassis, easy height and seat tilting by gas pressure spring (foot pressure release), 4 swivel castors, 2 of them lockable (rear)

Seat unit: see page 3

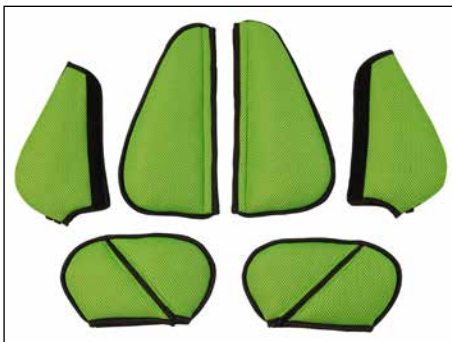
UPHOLSTERY



Upholstery set	size 1	size 2
Item code	6247	6447
Color	red	red



Upholstery set	size 1	size 2
Item code	6248	6448
Color	blue	blue



Upholstery set	size 1	size 2
Item code	6249	6449
Color	green	green



Upholstery set	size 1	size 2
Item code	6246	6446
Color	magenta	magenta



Upholstery set	size 1	size 2
Item code	6245	6445
Color	gray	gray

ACCESSORIES



Foot straps	size 1	size 2
Item code	6648/2	6648/2
Belt length	87 cm / 34.3"	87 cm / 34.3"
Color	black	black



Calf strap	size 1	size 2
Item code	6635/5	standard feature
Size (w x h)	29 x 10 x 1 cm 11.4 x 3.9 x 0.4"	–
Color	black	black



Footrest-tube upholstery	size 1	size 2
Item code	6230	6230
Size (w x h)	7 x 15 cm / 2.8 x 5.9"	7 x 15 cm / 2.8 x 5.9"
Color	gray	gray



Abduction block	size 1	size 2
Item code	6620/6	6720/6
Size (w x h x l)	6 x 9 x 10 cm 2.4 x 3.5 x 3.9"	7 x 10,5 x 11 cm 2.8 x 4.1 x 4.3"
Color	gray	gray



Grip rail	size 1	size 2
Item code	6621/5	6721/5
Height to seat surface	9 / 11,5 / 14 / 16,5 cm 3.5 / 4.5 / 5.5 / 6.5"	14 / 17 / 19 / 22 cm 5.5 / 6.7 / 7.5 / 8.7"
Width (inside dimension)	34 cm / 13.4"	38 cm / 13.4"
Color	gray	gray



Grip rail, strong curved	size 1
Item code	6621/51
Height to seat surface	10.5 / 13 / 15,5 / 18.5 cm 4.1 / 5.1 / 6.1 / 7.3"
Width (inside dimension)	34 cm / 13.4"
Color	gray



Lateral trunk support, with chest belt	size 1	size 2
Item code	6633/2	6633/2
Supporting surface (h x d)	10 x 20 cm / 3.9 x 7.9"	10 x 20 cm / 3.9 x 7.9"
Color	gray	gray



Lateral trunk support	size 1	size 2
Item code	6634/6	6734/6
Size (h x d)	15 x 13 cm / 5.9 x 5.1"	17 x 15 cm / 6.7 x 5.9"
Color	gray	gray

ACCESSORIES



Tray	size 1	size 2
Item code	6628/1	6728/1
Size (w x d)	56 x 33.2 cm 5.9 x 8.7"	60 x 36.2 cm 23.6 x 14.3"
Height to seat surface	15 - 22 cm / 5.9 - 8.7"	15 - 22 cm / 5.9 - 8.7"
Edge height (inside)	2.5 cm / 1"	2.5 cm / 1"
Angle adjustment	approx. 27°	approx. 27°
Depth adjustment range	16 cm / 6.3"	19 cm / 7.5"
Cut-out (w x d)	41 x 14 cm 16.1 x 5.5"	45,5 x 17,5 cm 17.9 x 6.9"
Material thickness	8 mm / 0.3"	8 mm / 0.3"
Color tray plate	transparent / colorless	transparent / colorless



Accessory bag	size 1	size 2
Item code	6639/41	6639/41
Size (w x h x d)	30 x 24 x 7 cm 11.8 x 9.4 x 2.8"	30 x 24 x 7 cm 11.8 x 9.4 x 2.8"
Number of pockets	4 (2x small; 2x large)	4 (2x small; 2x large)
Pocket size small (w x h)	13 x 13 cm / 5.1 x 5.1"	13 x 13 cm / 5.1 x 5.1"
Pocket size large (w x h)	30 x 24 cm / 11.8 x 9.4"	30 x 24 cm / 11.8 x 9.4"
Color	black	black



Frame padding	size 1	size 2
Item code	6622/6	6622/6
Outer dimensions (w x h)	(10 - 15) x 45 cm (3.9 - 5.9) x 17.7"	(10 - 15) x 45 cm (3.9 - 5.9) x 17.7"
Color	black	black



2-point pelvic belt with front pull	size 1	size 2
Item code	8420/1	8470/1
Size of pad (B x H)	15 x 5 cm / 5.9 x 2"	17 x 5 cm / 6.7 x 2"
Belt length	130 cm / 51.2"	130 cm / 51.2"
Color	black	black



4-point pelvic belt with front pull	size 1	size 2
Item code	8421/1	8471/1
Size of pad (B x H)	15 x 8 cm / 5.9 x 3.1"	17 x 8 cm / 6.7 x 3.1"
Rear belt length	120 cm / 47.2"	120 cm / 47.2"
Front belt length	50 cm / 19.7"	50 cm / 19.7"
Color	black	black



Crotch strap	size 1	size 2
Item code	6341/1	6341/1
Belt length	approx. 18 - 33 cm approx. 7.1 - 13"	approx. 18 - 33 cm approx. 7.1 - 13"
Color	black	black
Note	can only be used in combination with pelvic harnesses	



Soft pelvic harness	size 1	size 2
Item code	6614/6	6714/6
Rear upholstery width	21 cm / 8.3"	26,5 cm / 8.3"
Belt length	45 cm / 17.7"	45 cm / 17.7"
Color	black	black

ACCESSORIES



Butterfly/chest harness	size S	size M	size L
Item code	6616/6	6617/6	6717/6
A	18.5 cm / 7.3"	25 cm / 9.8"	25.5 cm / 10"
B	30 cm / 11.8"	33.5 cm / 13.2"	45 cm / 17.7"
C	16 cm / 6.3"	18.5 cm / 7.3"	23 cm / 9.1"
D	14 cm / 5.5"	17 cm / 6.7"	22 cm / 8.7"
E	11.5 cm / 4.5"	10.5 cm / 4.1"	11.5 cm / 4.5"
F	18 cm / 7.1"	21.5 cm / 8.5"	25 cm / 9.8"



Butterfly/chest harness, flexible	size S	size M
Item code	6385/3	6585/3
A	12 cm / 4.7"	18 cm / 7.1"
B	21 cm / 8.3"	33 cm / 13"
C	11.5 cm / 4.5"	15 cm / 5.9"
D	9.5 cm / 3.7"	18 cm / 7.1"
E	6 cm / 2.4"	10 cm / 3.9"
F	21 cm / 8.3"	27 cm / 10.6"



Seat waistcoat	size S	size M	size L
Item code	6631/6	6632/6	6731/6
Upholstered surface (w x l)	33 x 30 cm 13 x 11.8"	38 x 35 cm 15 x 13.8"	44 x 41 cm 17.3 x 16.1"
Belt length, top	65 cm / 25.6"	65 cm / 25.6"	65 cm / 25.6"
Color	black	black	black



H-belt, padded	size 1	size 2
Item code	6629/7	6629/7
Size Shoulder pads (w x l)	5 x 15 cm / 2 x 5.9"	5 x 15 cm / 2 x 5.9"
Shoulder belt length	60 cm / 23.6"	60 cm / 23.6"
Pelvis belt length	40 cm / 15.7"	40 cm / 15.7"
Color	black	black



Lateral head support	size 1	size 2
Item code	6624/6	6724/6
Size (h x d)	13 x 11 cm / 5.1 x 4.3"	15 x 14 cm / 5.9 x 5.5"
Color	gray	gray



Lateral head support, 45°	size 1	size 2
Item code	6623/1	6623/1
Size (h x d)	10 x 12 cm / 3.9 x 4.7"	10 x 12 cm / 3.9 x 4.7"
Color	gray	gray

ACCESSORIES



Sun and rain cover with leg blanket	size 1	size 2
Item code	6637/6	6637/6
Hood (w x h, inner dimension)	43 x 51 cm 16.9 x 20.1"	43 x 51 cm 16.9 x 20.1"
Hood pocket (w x h x d)	24 x 28 x 5 cm 9.4 x 11 x 2"	24 x 28 x 5 cm 9.4 x 11 x 2"
Leg blanket (w x l)	43 x 100 cm 16.9 x 39.4"	43 x 100 cm 16.9 x 39.4"
Color	black / light gray	black / light gray
Note	suitable up to max. 71 cm / 28" vertex height	



Sun and rain cover	size 1	size 2
Item code	6637/61	6637/61
Hood (w x h, inner dimension)	43 x 51 cm 16.9 x 20.1"	43 x 51 cm 16.9 x 20.1"
Hood pocket (w x h x d)	24 x 28 x 5 cm 9.4 x 11 x 2"	24 x 28 x 5 cm 9.4 x 11 x 2"
Color	black / light gray	black / light gray
Note	suitable up to max. 71 cm / 28" vertex height	



Rain shield	size 1	size 2
Item code	6739	6739
Hood (w x h, inner dimension)	43 x 51 cm 16.9 x 20.1"	43 x 51 cm 16.9 x 20.1"
Opening (w x h)	33 x 34 cm 13 x 13.4"	33 x 34 cm 13 x 13.4"
Leg blanket (w x l)	60 x 120 cm 23.6 x 47.2"	60 x 120 cm 23.6 x 47.2"
Color	transparent	transparent
Note	can only be used together with sun and rain cover	



Transparent cover with leg blanket	size 1	size 2
Item code	6638/1	6638/1
Hood (w x h, inner dimension)	43 x 51 cm 16.9 x 20.1"	43 x 51 cm 16.9 x 20.1"
Leg blanket (w x l)	43 x 100 cm 16.9 x 39.4"	43 x 100 cm 16.9 x 39.4"
Color	transparent	transparent
Note	suitable up to max. 71 cm / 28" vertex height	



Umbrella	size 1	size 2
Item code	6594	6594
Diameter Ø	65 cm / 25.6"	65 cm / 25.6"
Height	75 cm / 28.3"	75 cm / 28.3"
Color	gray	gray



Sleeping bag, padded	size 1	size 2
Item code	6619/5	6719/5
Bottom part of leg blanket (w x l)	35 x (68 - 80) cm 13.8 x (26.8 - 31.5)"	40 x (90 - 104) cm 15.7 x (35.4 - 40.9)"
Leg blanket (lower leg length)	31 cm / 12.2"	43 cm / 16.9"
Color	black / light gray	black / light gray

Sleeping bag, woven fur	size 1	size 2
Item code	6618/5	6718/5
Bottom part of leg blanket (w x l)	35 x (68 - 80) cm 13.8 x (26.8 - 31.5)"	40 x (90 - 104) cm 15.7 x (35.4 - 40.9)"
Leg blanket (lower leg length)	31 cm / 12.2"	43 cm / 16.9"
Color	black / light gray	black / light gray

ACCESSORIES – A chassis Advantage



Vent tray	size 1	size 2
Item code	6294/1	6494/1
Size (w x h x l)	38 x 3 x 39 cm 15 x 1.2 x 15.4"	43 x 3 x 39 cm 16.9 x 1.2 x 15.4"



Pneumatic wheels	
Item code	6647/1
Wheel size swivel wheels (front)	7,5"
Wheel size (rear)	10"



Tip assist	
Item code	6750/2
Tread surface (w x l)	4 x 8 cm / 1.6 x 3.1"
Color	anthracite

Transit tie down system	
Item code	E67839/1
Note	For further information please contact us. +49 4761 886-63 or -68

ACCESSORIES – Q chassis



Adapter	size 1	size 2
Item code	6295/1	6295/1
Note	always required when using Advantage seat unit	



Push bar	size 1	size 2
Item code	6660	6660
Height	52 - 100 cm (angle approx. 90°)	52 - 100 cm (angle approx. 90°)
Adjustment angle	0 - 110°	0 - 110°
Color	black	black



Member of the International
Support Association for the
Rehabilitation of Children and Youths e.V.



For customers worldwide (except U.S.):

Thomas Hilfen für Körperbehinderte GmbH & Co. Medico KG
Walkmühlenstraße 1 · 27432 Bremervörde · Germany
Phone: +49 (0) 4761 886-63 or -68 · Fax: +49 (0) 4761 886-19
info@thomashilfen.de · www.thomashilfen.com

For customers in the U.S.:

ExoMotion LLC, dba Thomashilfen
7936 Occidental Ave S · Seattle WA 98108 · USA
Phone: 866 870 2122 (toll free) · Fax: 866.870.0801 (toll free)
info@thomashilfen.com · www.thomashilfen.us