

tRide

Technical Manual

tRide pediatric wheelchair

- Models
- Accessories for tRide
- Accessories for T chassis

tRide, ...

... is a pediatric wheelchair with more head support, more positioning options and more comfort and control.

Easily and quickly adjusts to ideal sitting / reclined position.

For more information on tRide please visit our website www.thomashilfen.us

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tRide 1 seating system

Item code	622301, 622302, 622303, 622304, 622305, 622306
Seat depth	17 - 28 cm / 6 ³ / ₄ - 11"
Seat width	20 - 30 cm / 7 ³ / ₄ - 11 ³ / ₄ "
Back height *	26 - 42 cm / 10 ¹ / ₄ - 16 ¹ / ₂ "
Lower leg length	17 - 30 cm / 6 ³ / ₄ - 11 ³ / ₄ "
Hip angle	90° to 140°
Knee angle	90° to 180°
Foot angle	78° to 100°
Height adjustment of arm support	10 - 14 cm / 3 ³ / ₄ - 5 ¹ / ₂ "
Size of arm support (w x h)	21 x 10 cm / 8 ¹ / ₄ x 4"
Size of foot rest (w x d)	29 x 18 cm / 11 ¹ / ₂ x 7 ¹ / ₈ "
Overall dimensions (l x w x h)	85 x 41 x 57 cm / 33 ¹ / ₂ x 16 ¹ / ₈ x 22 ¹ / ₂ "
Folded dimensions without footrest (l x w x h)	63 x 36 x 38 cm / 24 ³ / ₄ x 14 ¹ / ₄ x 15"
Weight (seat) *	8 kg / 17 ¹ / ₂ lbs
Carrying capacity (seat)	35 kg / 77 ¹ / ₄ lbs

* without headrest

Material Upholstery: PES fabrics, 3-mesh-air-comfort-interlaced yarns (AGW)
Seat: aluminium tubular frame, plastic assembly units



tRide 2 seating system

Item code	642301, 642302, 642303, 642304, 642305, 642306
Seat depth	24 - 35 cm / 9 ¹ / ₂ - 13 ³ / ₄ "
Seat width	26 - 35 cm / 10 ¹ / ₄ - 13 ³ / ₄ "
Back height (without headrest)	32 - 52 cm / 12 ¹ / ₂ - 20 ¹ / ₂ "
Lower leg length	25 - 36 cm / 9 ³ / ₄ - 14 ¹ / ₄ "
Hip angle	90° to 140°
Knee angle	90° to 180°
Foot angle	78° to 100°
Turning range of seat	180°
Height adjustment of arm support	12 - 18 cm / 4 ³ / ₄ - 7 ¹ / ₈ "
Size of arm support (w x h)	29 x 12 cm / 11 ¹ / ₂ x 4 ³ / ₄ "
Size of foot rest (w x d)	33 x 21 cm / 13 x 8 ¹ / ₂ "
Overall dimensions (l x w x h)	98 x 46 x 46 cm / 38 ¹ / ₂ x 18 ¹ / ₈ x 18 ¹ / ₈ "
Folded dimensions without footrest (l x w x h)	76 x 46 x 50 cm / 30 x 18 ¹ / ₈ x 19 ³ / ₄ "
Weight (seat) *	10.8 kg / 23 ³ / ₄ lbs
Carrying capacity (seat)	40 kg / 88 ¹ / ₄ lbs

* without headrest

Material Upholstery: PES fabrics, 3-mesh-air-comfort-interlaced yarns (AGW)
Seat: aluminium tubular frame, plastic assembly units



Features

tRide seat unit with physiological pivots for the hip and knee joint; practical one-handed adjustment with dual function: adjusting the angle of the seat and removing the seat from the frame; headrest (neck support) incl. adapter, adjustable in 3 dimensions; adjustable arm supports (height, width and depth); breathable seat and back upholstery; fire retardant fabrics; tiltable footrest, height and angle adjustable; calf strap; brackets for sun and rain cover; continuously adjustable back height, hip angle, seat depth and seat width; easily accessible adjustments without tools; color options: pink-grey; grey-black, green-grey

MODELS



tRide pediatric wheelchair, swivel front wheels	Size 1	Size 2
Item code T chassis (swivel lock)	622307	642307
Item code T chassis (swivel lock) + seat unit	6223	6423
Seat tilt-in-space	-10° to +35°	-10° to +35°
Seat height	46 cm / 18 ¹ / ₈ "	47 cm / 18 ¹ / ₂ "
Push bar height	76 - 117 cm / 30 - 46 ¹ / ₈ "	81 - 120 cm / 32 - 47 ¹ / ₄ "
Wheel size swivel wheels (front) Ø	19 cm / 7 ¹ / ₂ "	19 cm / 7 ¹ / ₂ "
Wheel size (rear) Ø	25 cm / 10"	25 cm / 10"
Overall dimensions (l x w x h) only T chassis	75 x 60 x 77 cm 29 ¹ / ₂ x 23 ¹ / ₂ x 30 ³ / ₄ "	81 x 67 x 79 cm 32 x 26 ¹ / ₄ x 31 ¹ / ₈ "
Folded dimensions (l x w x h) only T chassis	79 x 60 x 38 cm 31 ¹ / ₈ x 23 ¹ / ₂ x 15"	83 x 67 x 38 cm 32 ³ / ₄ x 26 ¹ / ₂ x 15"
Overall dimensions (l x w x h) complete tRide, ready for use	90 x 60 x 101 cm 32 ¹ / ₂ x 23 ¹ / ₂ x 39 ³ / ₄ "	110 x 67 x 101 cm 43 ¹ / ₄ x 26 ¹ / ₂ x 39 ³ / ₄ "
Folded dimensions (l x w x h) complete tRide	81 x 60 x 63 cm 32 x 23 ¹ / ₂ x 24 ³ / ₄ "	79 x 64 x 72 cm 31 ¹ / ₈ x 25 ¹ / ₄ x 28 ¹ / ₄ "
Weight (without seat unit)	8.2 kg / 18 ¹ / ₈ lbs	9 kg / 19 ³ / ₄ lbs
Carrying capacity (incl. seat unit)	35 kg / 77 ¹ / ₄ lbs	40 kg / 88 ¹ / ₄ lbs
Material	aluminium tubular frame, powder-coated, rim: PP (polypropylene); tire equipment: composition rubber	

Features

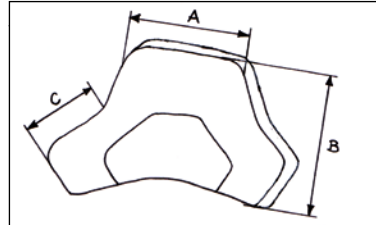
- Chassis:** lightweight and stable aluminium chassis, foldable (compact folded dimensions); adjustable seat tilt-in-space with 0° safety lock; height adjustable push bar with biocompatible soft grip, foot brake, rim: PP (polypropylene); tire equipment: composition rubber, swivelling front wheels (with locking option); crash-version with transit tie down system (extra option); removable basket
- Seat unit:** see page 3, rear facing seat

MODELS basic configuration



Headrest, neck support (included in Design package)	Size 1	Size 2
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Height headrest (from upper edge of seat unit)	14 - 31 cm 5½ - 12¼"	14 - 31 cm 5½ - 12¼"
Depth adjustment (forward / backward)	+ 14 cm / - 6 cm + 5½" / - 2¾"	+14 cm / - 6 cm + 5½" / - 2¾"



A	12 cm / 4¾"
B	14 cm / 5½"
C	9 cm / 3½"

height adjustment up to 5" max



Design package: pink-grey	Size 1	Size 2
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Item code	6290	6490
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Contents

complete upholstery set incl. headrest (neck support)



Design package: grey-black	Size 1	Size 2
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Item code	6291	6491
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Contents

complete upholstery set incl. headrest (neck support)



Design package: green-grey	Size 1	Size 2
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Item code	6292	6492
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Contents

complete upholstery set incl. headrest (neck support)

ACCESSORIES for tRide



Foot straps	Size 1	Size 2
Item code	6648	6648
Belt length	86 cm / 33 ⁷ / ₈ "	86 cm / 33 ⁷ / ₈ "



Abduction block	Size 1	Size 2
Item code	6620	6720
Size (w x h x l)	6 x 9 x 10 cm 2 ³ / ₈ x 3 ¹ / ₂ x 3 ⁷ / ₈ "	7 x 10.5 x 11 cm 2 ³ / ₄ x 4 ¹ / ₈ x 4 ³ / ₈ "



Grip rail, black	Size 1	Size 2
Item code	6621	6721
Height to seating surface	11.5 / 14 / 16.5 cm 4 ¹ / ₂ / 5 ¹ / ₂ / 6 ¹ / ₂ "	17 / 19 / 22 cm 6 ³ / ₄ / 7 ¹ / ₂ / 8 ³ / ₄ "
Width (inner dimension)	34 cm / 13 ³ / ₈ "	38 cm / 15"



Grip rail, grey	Size 1	Size 2
Item code	6372	6572
Height to seating surface	11.5 / 14 / 16.5 cm 4 ¹ / ₂ / 5 ¹ / ₂ / 6 ¹ / ₂ "	17 / 19 / 22 cm 6 ³ / ₄ / 7 ¹ / ₂ / 8 ³ / ₄ "
Width (inner dimension)	34 cm / 13 ³ / ₈ "	38 cm / 15"

ACCESSORIES for tRide



Therapy tray, transparent	Size 1	Size 2
Item code	6628	6728
Size (w x l)	56 x 33.2 cm 22 x 13 1/8"	60 x 36.2 cm 23 3/8 x 14 1/4"
Height to seat surface	15 - 22 cm 5 7/8 - 8 3/4"	15 - 22 cm 5 7/8 - 8 3/4"
Inner edge height	2.5 cm / 1"	2.5 cm / 1"
Angle adjustment	approx. 27°	approx. 27°
Depth adjustment range	16 cm / 6 1/4"	19 cm / 7 1/2"
Cut-out (w x d)	41 x 14 cm 16 1/8 x 5 1/2"	45.5 x 17.5 cm 17 7/8 x 6 7/8"
Material thickness	8 mm / 1/4"	8 mm / 1/4"
Colour tray plate	transparent / uncoloured	transparent / uncoloured



Lateral trunk support, flexible with chest belt	Size 1	Size 2
Item code	6633	6633
Support surface (h x d)	10 x 22 cm 3 7/8 x 8 3/4"	10 x 22 cm 3 7/8 x 8 3/4"



Lateral trunk support	Size 1	Size 2
Item code	6634	6734
Size (h x d)	13 x 13 cm 5 1/8 x 5 1/8"	17 x 15 cm 6 3/4 x 5 7/8"



2-point pelvic belt with front pull	Size 1	Size 2
Item code	8420	8470
Size of pad (w x l)	15 x 5 cm 5 7/8 x 2"	17 x 6 cm 6 3/4 x 2 3/8"
Belt length	120 cm / 47 1/4"	120 cm / 47 1/4"

ACCESSORIES for tRide



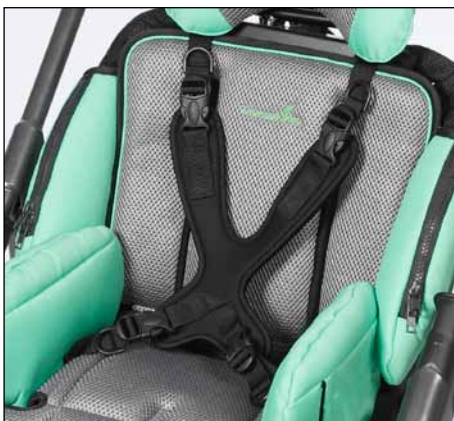
4-point pelvic belt with front pull	Size 1	Size 2
Item code	8421	8471
Size of pad (w x l)	15 x 5 cm 5 ⁷ / ₈ x 2"	17 x 6 cm 6 ³ / ₄ x 2 ³ / ₈ "
Rear belt length	120 cm / 47 ¹ / ₄ "	120 cm / 47 ¹ / ₄ "
Front belt length	50 cm / 19 ³ / ₄ "	50 cm / 19 ³ / ₄ "



Soft pelvic harness	Size 1	Size 2
Item code	6614	6714
Width rear cover surface	21 cm / 8 ¹ / ₄ "	26.5 cm / 10 ³ / ₈ "
Belt length	45 cm / 17 ³ / ₄ "	45 cm / 17 ³ / ₄ "



Butterfly/chest harness	Size S	Size M	Size L
Item code	6616	6617	6717
A	18.5 cm / 7 ¹ / ₄ "	25 cm / 9 ³ / ₄ "	26.5 cm / 10 ³ / ₈ "
B	31 cm / 12 ¹ / ₄ "	33.5 cm / 13 ¹ / ₄ "	45 cm / 17 ³ / ₄ "
C	15 cm / 5 ⁷ / ₈ "	18.5 cm / 7 ¹ / ₄ "	23 cm / 9 ¹ / ₈ "
D	16 cm / 6 ¹ / ₄ "	17 cm / 6 ³ / ₄ "	23.5 cm / 9 ¹ / ₄ "
E	11.5 cm / 4 ¹ / ₂ "	10.5 cm / 4 ¹ / ₈ "	12 cm / 4 ³ / ₄ "
F	17.7 cm / 7"	21.5 cm / 8 ¹ / ₂ "	25 cm / 9 ³ / ₄ "



Butterfly/chest harness, flexible, neoprene	Size S	Size M
Item code	6385	6585
A	12 cm / 4 ³ / ₄ "	18 cm / 7 ¹ / ₈ "
B	21 cm / 8 ¹ / ₄ "	31 cm / 12 ¹ / ₄ "
C	11.5 cm / 4 ¹ / ₂ "	13.5 cm / 5 ¹ / ₄ "
D	9.5 cm / 3 ³ / ₄ "	17.5 cm / 6 ⁷ / ₈ "
E	5 cm / 2"	10 cm / 3 ⁷ / ₈ "
F	21 cm / 8 ¹ / ₄ "	25 cm / 9 ³ / ₄ "

ACCESSORIES for tRide



Seat waistcoat	Size S	Size M	Size L
Item code	6631	6632	6731
Size of pad (w x d)	29 x 29 cm 11 ³ / ₈ x 11 ³ / ₈ "	36 x 37 cm 14 ¹ / ₄ x 14 ⁵ / ₈ "	41 x 44 cm 16 ¹ / ₈ x 17 ¹ / ₄ "
Belt length, top	90 cm / 35 ³ / ₈ "	90 cm / 35 ³ / ₈ "	90 cm / 35 ³ / ₈ "



H-belt, padded	Size 1	Size 2
Item code	6629	6629
Size of shoulder pad (w x l)	5 x 15 cm 2 x 5 ⁷ / ₈ "	5 x 15 cm 2 x 5 ⁷ / ₈ "
Length of shoulder harness	90 cm / 35 ³ / ₈ "	90 cm / 35 ³ / ₈ "
Length of pelvic harness	90 cm / 35 ³ / ₈ "	90 cm / 35 ³ / ₈ "



Umbrella	Size 1	Size 2
Item code	6594	6594
Diameter Ø	65 cm / 25 ⁵ / ₈ "	65 cm / 25 ⁵ / ₈ "
Height	75 cm / 29 ¹ / ₂ "	75 cm / 29 ¹ / ₂ "

ACCESSORIES for tRide



Sun and rain cover, grey	Size 1	Size 2
Item code	6637/61	6637/61
Hood (w x h, inner dimension)	43 x 51 cm 16 ⁷ / ₈ x 20 ¹ / ₈ "	43 x 51 cm 16 ⁷ / ₈ x 20 ¹ / ₈ "
Hood pocket (w x h x d)	24 x 28 x 5 cm 9 ³ / ₈ x 11 x 2"	24 x 28 x 5 cm 9 ³ / ₈ x 11 x 2"
Hint	suitable up to max. 71 cm / 28" crown height	



Sun and rain cover, black	Size 1	Size 2
Item code	6637/61	6637/61
Hood (w x h, inner dimension)	43 x 51 cm 16 ⁷ / ₈ x 20 ¹ / ₈ "	43 x 51 cm 16 ⁷ / ₈ x 20 ¹ / ₈ "
Hood pocket (w x h x d)	24 x 28 x 5 cm 9 ³ / ₈ x 11 x 2"	24 x 28 x 5 cm 9 ³ / ₈ x 11 x 2"
Hint	suitable up to max. 71 cm / 28" crown height	



Rain shield (transparent) for sun and rain cover	Size 1	Size 2
Item code	6739	6739
Hood (w x h, inner dimension)	43 x 51 cm 16 ⁷ / ₈ x 20 ¹ / ₈ "	43 x 51 cm 16 ⁷ / ₈ x 20 ¹ / ₈ "
Opening (w x h)	33 x 34 cm 12 ⁷ / ₈ x 13 ³ / ₈ "	33 x 34 cm 12 ⁷ / ₈ x 13 ³ / ₈ "
Size leg blanket (w x l)	60 x 120 cm 23 ⁵ / ₈ x 47 ¹ / ₄ "	60 x 120 cm 23 ⁵ / ₈ x 47 ¹ / ₄ "

ACCESSORIES for tRide



Transparent cover with leg blanket	Size 1	Size 2
Item code	6638	6638
Hood (w x h, inner dimension)	43 x 51 cm 16 ⁷ / ₈ x 20 ¹ / ₈ "	43 x 51 cm 16 ⁷ / ₈ x 20 ¹ / ₈ "
Size leg blanket (w x l)	43 x 100 cm 16 ⁷ / ₈ x 39 ³ / ₈ "	43 x 100 cm 16 ⁷ / ₈ x 39 ³ / ₈ "
Hint	suitable up to max. 71 cm / 28" crown height	



Sleeping bag, black padded (summer)	Size 1	Size 2
Item code	6619	6719
Bottom part of leg blanket (w x l)	35 x (68 - 80) cm 13 ³ / ₄ x (26 ³ / ₄ - 31 ¹ / ₂)"	40 x (90 - 104) cm 15 ³ / ₄ x (35 ³ / ₈ - 40 ⁷ / ₈)"
Leg blanket (lower leg length)	31 cm / 12 ¹ / ₄ "	43 cm / 16 ⁷ / ₈ "

Sleeping bag, black woven fur (winter)	Size 1	Size 2
Item code	6618	6718
Bottom part of leg blanket (w x l)	35 x (68 - 80) cm 13 ³ / ₄ x (26 ³ / ₄ - 31 ¹ / ₂)"	40 x (90 - 104) cm 15 ³ / ₄ x (35 ³ / ₈ - 40 ⁷ / ₈)"
Leg blanket (lower leg length)	31 cm / 12 ¹ / ₄ "	43 cm / 16 ⁷ / ₈ "



Sleeping bag, grey padded (summer)	Size 1	Size 2
Item code	6619	6719
Bottom part of leg blanket (w x l)	35 x (68 - 80) cm 13 ³ / ₄ x (26 ³ / ₄ - 31 ¹ / ₂)"	40 x (90 - 104) cm 15 ³ / ₄ x (35 ³ / ₈ - 40 ⁷ / ₈)"
Leg blanket (lower leg length)	31 cm / 12 ¹ / ₄ "	43 cm / 16 ⁷ / ₈ "

Sleeping bag, grey woven fur (winter)	Size 1	Size 2
Item code	6618	6718
Bottom part of leg blanket (w x l)	35 x (68 - 80) cm 13 ³ / ₄ x (26 ³ / ₄ - 31 ¹ / ₂)"	40 x (90 - 104) cm 15 ³ / ₄ x (35 ³ / ₈ - 40 ⁷ / ₈)"
Leg blanket (lower leg length)	31 cm / 12 ¹ / ₄ "	43 cm / 16 ⁷ / ₈ "

ACCESSORIES for T Chassis



Transit tie down system

Item code	67839
Norm	ISO 7176/19 and ANSI/RESNA WC/vol. 1 - Section 19 6/22/99 Draft
Hint	restraint system not included in delivery For further information please call: +49 (0) 47 61 / 8 86-68 or -63



Pneumatic wheels

Item code upgrade kit	6647
Wheel size swivel wheels (front)	7 1/2"
Wheel size (rear)	10"



Tip assist

Item code	6750
Tread (w x l)	4 x 8 cm / 1 5/8 x 3 1/8"

ACCESSORIES for T chassis



Frame padding, black	Size 1	Size 2
Item code	6622	6622
Outer dimensions (w x h)	(10 - 15) x 45 cm (3 ⁷ / ₈ - 5 ⁷ / ₈) x 17 ³ / ₄ "	(10 - 15) x 45 cm (3 ⁷ / ₈ - 5 ⁷ / ₈) x 17 ³ / ₄ "



Frame padding, grey	Size 1	Size 2
Item code	6622	6622
Outer dimensions (w x h)	(10 - 15) x 45 cm (3 ⁷ / ₈ - 5 ⁷ / ₈) x 17 ³ / ₄ "	(10 - 15) x 45 cm (3 ⁷ / ₈ - 5 ⁷ / ₈) x 17 ³ / ₄ "



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



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