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HTS (Z122 tilt-in-space base)

HTS

Hygienic, simple, affordable and adaptable to most toilets, the Hygiene and Toileting System (HTS) is designed to improve the health of the client and the life of the caregiver.

The versatility of the HTS makes it ideal for anyone dealing with tight budgets or tight spaces. Because it accommodates toileting, showering and bathing, the HTS eliminates the need to buy separate equipment for each activity.

Find letters of medical necessity and informative articles at:
www.rifton.com/hts

"After a year of unsuccessful training attempts with a particular student, we are excited to say that the first day we put him on a Rifton HTS he was so comfortable that he voided twice in the same day."

Kerri Wright, Special Ed Teacher
Orange Ulster BOCES, NY

DESIGNED FOR USE WITH THE MOVE® PROGRAM

HTS features

One of the most affordable toileting systems available today, the HTS can be configured in myriad ways to fit your clients. Options range from the basic model with seat, back, base and armrests to the fully accessorized version.

Infinite adjustability
Adjust the height, seat depth and backrest angle independently for optimal positioning.

Foam molded cushions
Soft foam pads on the back and seat provide comfort for your clients and easy cleaning for caregivers.

Better mobility
The large caster option improves mobility and has better resistance to picking up debris.

Accessible for clients
A flip-up footboard makes sit-to-stand transitions easy.

Any client, any toilet, any situation

For clients, each element of the HTS provides the best opportunity for hygiene. Its wide range of adjustment and varied support options help clients maintain positioning that promotes effective toileting, and the tilt-in-space feature and adjustable headrest make showering easier.

For caregivers, the HTS is the paragon of adaptability. It can be used on or over a round front or elongated toilet, or as a free-standing commode. It can adjust to children as they grow, and includes components and supports for clients of every size and need.

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ON

Placing the HTS on any model of toilet, round front or elongated, enables the client to share the same toilet as the rest of the family. Mounting bars make for easy, secure attachment of the chair to the toilet base. Removal is just as easy, no tools required.

OVER

Wheel the HTS over toilets of nearly any size and style, enabling the client to share the same toilet as the rest of the family. Or use the stationary base on toilets up to 38 cm tall.

OFF

Use the HTS off the toilet as a stand-alone commode in any location.

The chair that grows with you

The HTS comes in three sizes, each with a wide range of adjustment. As your child grows the chair can adapt, giving you years of useful service.

Which chair is larger?

The chairs in the photo on the right are exactly the same size: one is adjusted to its smallest setting to accomodate a 5-year-old, the other at its largest setting fits an 11-year-old. The HTS fits a wide range of sizes, body types and special needs, allowing room for growth over time or use by multiple users.

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Easy lifts and transfers

Lifts and transfers present a major challenge to successful toileting. The HTS makes them easier with features like a gas-assisted spring tilt adjustment for sit-to-stand transfers, removable armrests for lateral transfers and a weight-bearing footboard (up to 68 kg) for front-loading transfers.

This client's whole weight is supported by the footboard as she assists in a transfer.

The forward tilt and the easily removed armrests make sit-to-stand and lateral transfers simple.

Tilt-in-space

Tilt the HTS forward (up to 5˚) for easier transfer. Tilt backward (up to 25˚) for showering and hair washing.

Doubles as the perfect shower chair.

Save space and money with a single product for both toileting and showering. The aluminum, stainless steel and plastic construction withstands bleach and water.

The HTS tilt in space base tilts 5° forward or 25° back for showering and hair washing.

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Components

Seat and back with seat belt

Choice of base or mounting bar

Mobile
(tilt-in-space with footboard)

Mobile
(non-tilt with footboard)

Stationary
(non-tilt with footboard)

Note: Check clearance if using over a toilet.

Tub base
(non-tilt, for medium and small HTS seats)

Mounting bar (round front toilet and large HTS) Round-front toilets will measure 43 cm or less from the centerline of the seat bolts to the front edge of the porcelain bowl.

Mounting bar (elongated toilet, excluding large HTS) Elongated toilets will measure more than 43 cm from the centerline of the seat bolts to the front edge of the porcelain bowl.

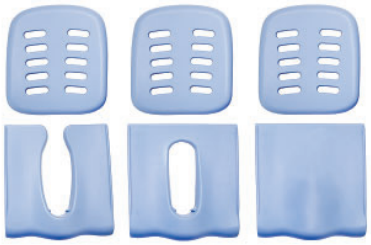
Use the **Mounting bar** to attach the HTS seat to round-front or elongated toilets. The easy on-and-off feature allows caregivers to quickly position or remove the seat.

Armrests

Armrests come in three heights and are easily removable for lateral transfers. The height selection allows the HTS to grow with a child or accommodate the needs of multiple clients.

Low: 15 cm high x 23 cm long
Medium: 18 cm high x 27 cm long
High: 23 cm high x 30 cm long

Components (continued)



Rear-open Rear-closed No-hole

Seat and back pads
Waterproof closed-cell foam pads are easily removed for cleaning. The unique rear-open seat pad enables hygiene care while the client is still seated and relaxed. Rear-closed and no-hole pads provide additional support. The no-hole pad comes with a rigid hole filler.

Push handles
A set of push handles allows the caregiver to easily move a client seated in the HTS.

Headrest
The curved headrest provides support for clients with limited head control and adjusts in height, depth and angle.

Butterfly harness
The butterfly harness provides maximum anterior support, security and freedom of movement for clients who have limited trunk control while sitting.

Anterior support/tray
The padded anterior support/tray promotes the forward leaning positioning that best facilitates the toileting process.

Laterals

Independently adjustable laterals secure clients with limited trunk control. Laterals come in two sizes.

Small 13 x 10 cm, **large** 17 x 13 cm

Laterals and chest strap

With the addition of a wide chest strap to the laterals, clients with low upper torso control gain added trunk support and security.

Hip guides

Hip guides reduce the seat width, allowing for years of use as the client grows. They align the torso to aid trunk control and provide spine alignment. They adjust in two increments and can be removed with the armrests for transfer.

Small 18 x 8 cm, **large** 28 x 8 cm

Pan

The pan facilitates off-toilet functionality, and its durable plastic construction with a pour spout makes clean-up simple. Its extra depth ensures it will not spill, even when the chair is tilted.

Small 2.4 liters, **medium** 3.8 liters, **large** 4.7 liters

Bowl adapter

For situations where the hole in the HTS does not align perfectly with the toilet, the bowl adapter is inserted under the seat pad. It can also be used with the large HTS to create a secure fit over a round front toilet.

Components (continued)

Splash guard

Standard deflector

Deflectors

Deflectors keep caregiver and client clean during urination. Options include a low deflector built into the seat pad, a removable soft standard deflector (requires seat pad) and a splash guard that attaches to the seat belt.

Abductor

By separating the knees and helping to control leg muscles, the abductor prevents scissoring of the legs and promotes good joint and body alignment. It also connects to the standard deflector to maintain cleanliness.

Small 8 x 13 x 13 cm, **large** 10 x 14 x 14 cm

Calf rest and ankle straps

Using the calf rest enhances the client's comfort and sense of security, while ankle straps secure the feet of clients with limited muscle control and excursion movement, enabling a moderate range of movement.

Footboard for use with mounting bar

This footboard can be attached to the HTS when it is mounted on a toilet with the mounting bar.

Note: The footboard should not be used as a step when used with the mounting bar.

Large casters

The large casters improve mobility by clearing higher thresholds or other obstacles. They add approximately 3 cm to the height from floor.

Portability base with carry bag

The portability kit gives clients greater independence and their families greater freedom to travel by enabling them to take the HTS on the road. The lightweight folding frame and carry bag (for small and medium sizes) make toileting possible while traveling. Using the HTS eliminates contact with public toilets for better hygiene.

Note: The folding base is not intended for use as a primary base.

Tub base

The tub base adds even more versatility to the HTS. The small and medium seat and back attach to the tub base for comfortable showering and hair washing, eliminating the need to purchase a separate bath chair. The tub base tilts the seat back 5°. The reduced footprint accommodates narrow and wide tub bottoms alike.

Note: The pan can be used with the tub base.

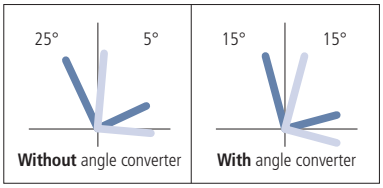
HTS dimensions

User dimensions (cm)	Z110 small	Z120 medium	Z130 large
Height	76–117	107–142	127–188

Key user dimension: height
The user's overall height is a general guide to help you select the appropriate size of HTS. Choose the model that allows for growth.

Important: Make sure that seat width, depth and height are adequate for each individual user, and that the user's weight does not exceed the maximum working load.

Item Dimensions (cm)	Z110 small	Z120 medium	Z130 large
Tilt-in-space mobile base footprint	53 x 79	53 x 79	57 x 86
Tilt-in-space base length when fully extended (incl. headrest)	109	125	145.5
Non-tilt base footprint	51 x 71	51 x 71	53 x 74
Seat (front) to footboard height*	22–34	27–39	34–44
Seat (front) to floor; mobile tilt frame (add 3 cm for Z181 large casters)	39–55	39–55	44–58
Seat (front) to floor; mobile non-tilt frame (add 3 cm for Z181 large casters)	41–51	43–52	46–56
Seat (front) to floor; stationary non-tilt frame	33–43	36–44	38–48
Seat depth (3 cm increments)	20–28	29–37	37–44
Seat width	20/25/30	25/30/36	33/38/43
Hole size in seat pad	open 10 x 23, closed 8 x 20	open 11 x 30, closed 9 x 25	open 15 x 36, closed 11 x 30
Armrest height	13.5	17	20
Backrest height above seat	42	50	62
Backrest width	29	34	41
Distance between laterals	14.5–29	19.5–34	29–43.5
Tilt in space FORWARD (degrees)	**5°	**5°	**5°
Tilt in space BACK (degrees)	**25°	**25°	**25°
Backrest angle adjustment (degrees)	6° fwd, 6° and 18° back	6° fwd, 6° and 18° back	6° fwd, 6° and 18° back
Max. clear height under seat (tilt frame)	52	52	52.5
Max. clear height under seat (stationary non-tilt frame)	38	38	42
Max. clear height under seat (mobile non-tilt frame)	46	46	50
Portability base clearance (fits over ADA compliant toilets)	47	47	N/A
Bottom of frame to floor; tilt-in-space mobile base	5	5	5
Tub base footprint	58 x 42 at feet/48 at top	58 x 42 at feet/48 at top	N/A
Tub base height (floor to seat pad)	28 at front, 24 at back	28 at front, 24 at back	N/A
Max. working load (kg)	34	68	***113



Without angle converter

With angle converter

*When the mobile base is in the lower positions and the footboard is fully extended, it may prevent the front casters from swiveling. In this case, either change the footboard angle or raise the seat height to give the casters room to swivel.

To achieve 15° of forward tilt for ease of transfer, order the tilt **angle converter, Z169. (The range of adjustment will be 15° back and 15° forward. See reference charts at left.)

***Max. working load of the large footboard is 68 kg.

2020 order form

Use dimension chart to select appropriate size.

			Z110 small	Z120 medium	Z130 large
* **Seat and back** (includes seat belt)			Z111 ☐	Z121 ☐	Z131 ☐
* **Base**	CHOOSE	Mobile (tilt-in-space with footboard)	Z112 ☐	Z122 ☐	Z132 ☐
		Mobile (non-tilt with footboard)	Z113 ☐	Z123 ☐	Z133 ☐
		Stationary (non-tilt with footboard)	Z184 ☐	Z185 ☐	Z186 ☐
		Tub base (non-tilt)	Z138 ☐	Z138 ☐	N/A
		Mounting bar (round-front toilet)	Z115 ☐	Z115 ☐	Z135 ☐
		Mounting bar (elongated toilet)	Z125 ☐	Z125 ☐	Z135 ☐
* **Armrests** (pair)	CHOOSE	Low	Z101 ☐	N/A	N/A
		Medium	Z102 ☐	Z102 ☐	Z102 ☐
		High	N/A	Z103 ☐	Z103 ☐
Casters for mobile base	CHOOSE	Small casters (8 cm)	Z195 ☐	Z195 ☐	Z195 ☐
		Large casters (10 cm)	Z181 ☐	Z181 ☐	Z181 ☐
Seat and back pads (recommended)	CHOOSE	Rear-open seat pad	Z153 ☐	Z163 ☐	Z173 ☐
		Rear-closed seat pad	Z154 ☐	Z164 ☐	Z174 ☐
		No-hole seat pad	Z187 ☐	Z188 ☐	Z189 ☐
Headrest			Z104 ☐	Z104 ☐	Z104 ☐
Push handles (pair)			Z199 ☐	Z199 ☐	Z199 ☐
Butterfly harness			Z116 ☐	Z126 ☐	Z136 ☐
Anterior support/tray			Z145 ☐	Z155 ☐	Z165 ☐
Laterals (pair)	CHOOSE	Small	Z105 ☐	Z105 ☐	Z105 ☐
		Large	N/A	Z106 ☐	Z106 ☐
		Small with strap	Z107 ☐	Z107 ☐	Z107 ☐
		Large with strap	N/A	Z108 ☐	Z108 ☐
Hip guides (pair)	CHOOSE	Small	Z109 ☐	Z109 ☐	Z109 ☐
		Large	N/A	Z149 ☐	Z149 ☐
Pan			Z117 ☐	Z127 ☐	Z137 ☐
Bowl adapter			Z196 ☐	Z196 ☐	Z197 ☐
Deflector	CHOOSE	Standard (requires seat pad)	Z118 ☐	Z118 ☐	Z128 ☐
		Splash guard	Z119 ☐	Z119 ☐	Z129 ☐
Abductor	CHOOSE	Small	Z124 ☐	Z124 ☐	N/A
		Large	N/A	Z144 ☐	Z144 ☐
Ankle straps (pair, requires footboard)			Z156 ☐	Z156 ☐	Z157 ☐
Calf rest (requires footboard)			Z158 ☐	Z158 ☐	Z159 ☐
Footboard (for mounting bar attachment)			Z146 ☐	Z147 ☐	Z148 ☐
Portability base with carry bag			Z139 ☐	Z139 ☐	N/A
Total			**Z110**	**Z120**	**Z130**

* **Required**