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TRANSFER STRETCHER (HYDRAULIC) — TORONCARE™ 1160

Hydraulic Transfer Stretcher

ToronCare™ 1160 is a high-performance hydraulic transfer stretcher combining a hydraulic height system, gas-spring backrest articulation, and automatic Trendelenburg / reverse Trendelenburg tilt into a single, integrated hospital stretcher platform. Designed for U.S. and Canadian acute care environments where stretcher transport must accommodate diverse patient acuity levels, the ToronCare™ 1160 delivers powered, foot-pedal-controlled positioning without the operational limitations of purely manual alternatives.

A defining feature of the ToronCare™ 1160 hospital stretcher is its gas-spring backrest: the backrest raises smoothly from 0° to 85° via gas-spring actuation, requiring minimal force from the caregiver — an important ergonomic advantage during rapid patient positioning in emergency and post-operative stretcher hospital scenarios. Height is adjusted by stepping on foot pedals at both the head and foot sides, while Trendelenburg and reverse Trendelenburg tilt (0° to 13°) are independently adjusted via the gas spring system.

The foldable stainless steel side rails are radiolucent, enabling full X-ray imaging on the stretcher without patient transfer — a significant time-saving capability in radiology-adjacent emergency workflows. Four corner bumpers protect the stretcher frame and wall surfaces during stretcher transportation in confined hospital corridors and elevator lobbies. At 100 kg net weight with a bed board of 1910 × 640 mm, the ToronCare™ 1160 is a durable, full-featured hydraulic hospital emergency stretcher for high-frequency clinical use.

APPLICATIONS

Transfer Stretcher (Hydraulic) — ToronCare™ 1160 Applications

- Emergency department hospital emergency stretcher use requiring fast gas-spring backrest adjustment for rapid patient positioning changes

- Radiology and fluoroscopy suites where radiolucent side rails and bed board enable X-ray imaging on the stretcher in hospital
- Surgical pre/post-operative transport with Trendelenburg capability for hemodynamic management
- Trauma and resuscitation bays where corner-protected stretcher transport reduces wall and equipment damage risk
- General intra-hospital medical stretcher transport across departments requiring multi-position hydraulic capability
- Ambulatory and outpatient surgery centers requiring a hospital stretcher bed that handles both transport and positioned clinical care
- Facilities seeking to upgrade from purely manual hospital bed stretcher systems to hydraulic-assisted patient positioning

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FEATURES

Transfer Stretcher (Hydraulic) — ToronCare™ 1160 Key Features

- Hydraulic height adjustment via foot pedals at head and foot sides: smooth, powered height change across the full 1110 – 575 mm range
- Gas-spring backrest articulation: smooth, low-force raising from 0° to 85°
- Trendelenburg / reverse Trendelenburg: 0° to 13° via gas-spring system
- Four corner bumpers: protect stretcher frame and facility walls during stretcher transportation in confined corridors
- Foldable stainless steel side rails with radiolucent design: X-ray imaging on stretcher without patient transfer
- Radiolucent bed board enables full-body X-ray or fluoroscopy on the hospital stretcher
- Central-lockable 360° swivel castors (Dia. 200 mm): single-pedal all-wheel locking
- Easy-access brake pedals at head and foot sides for rapid stretcher immobilization
- Retractable 5th directional wheel for smooth straight-line stretcher transport in hospital corridors
- Net weight: 100 kg — robust for daily high-acuity hospital stretcher use
- Bed board dimension: 1910 × 640 mm

- Standard accessory: IV pole

THEORY & METHOD

Theory and Method

The ToronCare™ 1160 uses a hydraulic system for height adjustment, driven by foot pedals located at both the head and foot sides of the stretcher frame. This dual-pedal positioning ensures that any caregiver can activate height adjustment regardless of which end of the stretcher they are standing at, reducing workflow interruptions during busy stretcher transportation sequences.

Backrest articulation is accomplished via a gas-spring mechanism rather than a separate hydraulic circuit. The gas spring stores mechanical energy that is released in a controlled, smooth motion when the backrest release is activated. This provides fast, proportionally damped backrest raising from 0° to 85°, requiring very little caregiver force and reducing the risk of sudden movement that could disturb the patient.

Trendelenburg and reverse Trendelenburg tilt (0° to 13°) is adjusted by the gas spring system at the head and foot sections. The central-lock 360° swivel castors (Dia. 200 mm) and retractable 5th directional wheel provide full mobility and directional control during stretcher transportation, while the four corner bumpers absorb contact forces during navigation in tight spaces, protecting the stretcher, the patient, and the hospital environment.

TECHNICAL SPECIFICATIONS

Transfer Stretcher (Hydraulic) — ToronCare™ 1160 Technical Specifications

Parameter	Specification
Model	ToronCare™ 1160
Type	Hydraulic Transfer Stretcher
Overall Dimension	2120 × 815 mm (L × W)
Height Range (Bed Board to Ground)	1110 – 575 mm
Bed Board Dimension	1910 × 640 mm (L × W)
Backrest Angle	0° – 85° (gas-spring)
Trendelenburg / Rev. Trendelenburg	0° – 13° (gas-spring)
Height Adjustment	Hydraulic, foot-pedal (head and foot sides)
Side Rails	Foldable stainless steel, radiolucent
Bed Board	Radiolucent — X-ray imaging capable
Corner Bumpers	4 × corner bumpers
Castor Diameter	200 mm, central-lockable 360° swivel
5th Wheel	Retractable, directional control
Net Weight	100 kg
Standard Accessories	IV pole

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