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TS7000 Surgical Table Data Sheet





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CLASSIFICATION

Safety Class	Class I medical device with internal power supply, IPS
Level of Protection Against Electrical Shock	User part type B Patient leakage current according to CF pursuant to IEC 60601-1
Level of Protection Against Water Penetration	IP X4
Mode of Operation	Continuous running with intermittent loading (DBAB); 2 min ON, 8 min OFF

CONDITIONS FOR OPERATION, STORAGE, TRANSPORT

Temperature Range for Operation	+ 10°C to + 40°C 50 °F to 104 °F
Temperature Range for Storage and Transport	-15°C to + 55°C 5°F to 131 °F
Air Humidity for Operations	20% to 80%
Air Humidity for Storage and Transport	5% to 95%
Atmospheric Pressure	min. 700 mbar to 1060 mbar

ELECTRICAL PARAMETER

External Power Supply	100-230 V~, 50/60 Hz 240 V~, 50 Hz
Power Consumption	Max. 700 VA
Power Supply Fuse	10 At (H)
Internal Power Supply	IPS, 2 rechargeable batteries 40.7 V / 4.8 Ah
Charging Time	3 h
Battery Duration after Charging	Continuous use for 2 h
Main Power Plug	Typical for the country, 3 m connection cable
Heat Emission	Max. 540 kJ/h



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CONTROL INTERFACE

Connector Socket for the Control Units	Head and foot side (column head)
Power Supply Socket	Head side
Service Connector	Column head (USB, Ethernet)
Additional Control Units	Foot control

RADIO TRANSMISSION FOR OR TABLE VERSION MBW

Frequency Band for Transmission	2.405 GHz to 2.480 GHz
Modulation Type	O-QPSK (Offset Quadrature Phase Shift Keying)
HF-Bandwidth	2 MHz (IEEE 802.15.4)
Output Power (Watt EIRP)	0.000603
Emission Designation	1M67G1D



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TECHNICAL DETAILS FOR TWO PART TABLETOP

OR Tabletop Length	1248 mm (49.1")
OR Tabletop Width with Standard Rails	600 mm (23.6")
Dimensions of Pad	1143 mm x 545 mm x 90 mm (45.0" x 21.5" x 3.6")
Weight	250 kg (551 lbs)
Maximum Load	450 kg (1000 lbs)
Standard Siderail Load Capacity Longitudinal axis Transverse axis	100 Nm 150 Nm
Dimension Running Gear (L x W x H)	1115 mm x 577 mm x 165 mm (43.9" x 22.7" x 6.5")
Break	Floor locks – self leveling system
Quantity Double Joint Wheels	4 rotatable, electrical conductive wheels
Fifth Wheel	Optional motorized wheel Adjustable speed: 1.1 km/h – 2.7 km/h
Wheel Diameter	100 mm (3.9")
Area Load	9,825.7 N/m ²
Point Load (Wheels)	2,453.5 N
Point Load (Stamps)	1,839.4 N
Surface Pressure per Wheel	27.25 N/mm ²
Surface pressure per stamp	2.95 N/mm ²
Recommended Cleaning Agent	ECOLAB Virufen and Incidin Extra



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ADJUSTMENT RANGES

	Adjustment Range	Speed
Height Adjustment	59 cm – 114 cm / ± 1 cm (2.3' – 4.5' / $\pm 0.4'$)	2 cm per sec (0.8" per sec)
Trendelenburg / Reverse Trendelenburg	$\pm 45^\circ$	1.7° per sec
Tilt	$\pm 30^\circ$	1.1° per sec
Longitudinal Slide Overall Head end Foot end	46 cm (± 1 cm) / 18" ($\pm 0.4'$) 18 cm (± 1 cm) / 7" ($\pm 0.4'$) 28 cm (± 1 cm) / 11" ($\pm 0.4'$)	3 cm per sec (1.1" per sec)
Joint Back Section Single Joint	- 45°	Gas spring assisted
Joint Back Section up / down	+ 90° / - 45°	6.5° per sec
Joint Leg Section up / down	+ 90° / - 105°	6.5° per sec
Zero Position	Simultaneous leveling of all sections	

COUPLING POINTS*

	L at Foot End of OR Table	S at Head End of OR Table
S	X	X
M	X	-
L	X	-

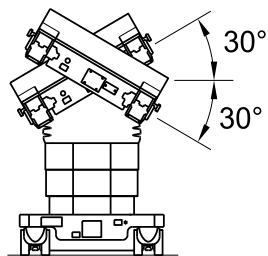
*The operating table has a simple to use coupling system with a mechanical code. Connecting the wrong component is impossible.



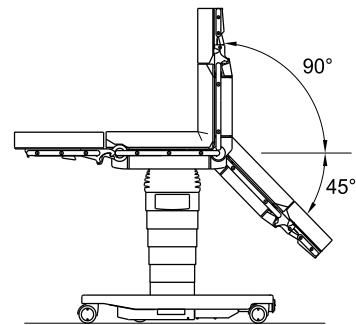
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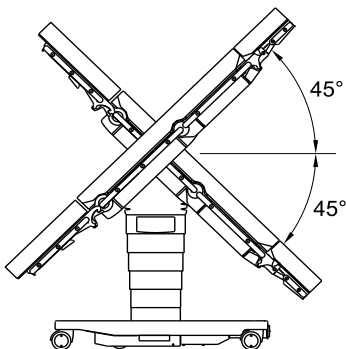
OVERVIEW ADJUSTMENT RANGES



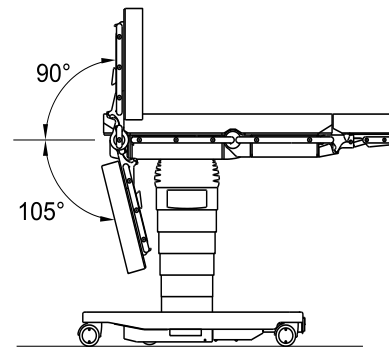
TILTING



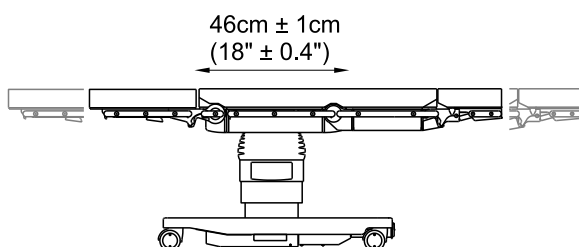
ADJUSTMENT BACK SECTION



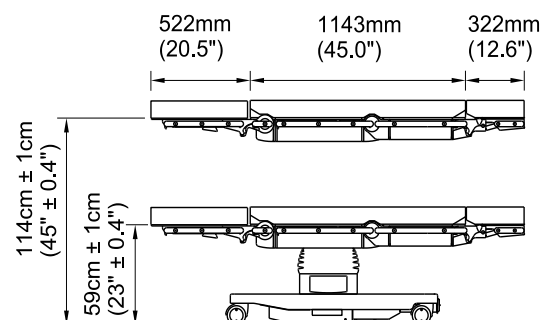
TRENDELBURG / REVERSE TRENDELBURG



ADJUSTMENT LEG SECTION



LONGITUDINAL SLIDE



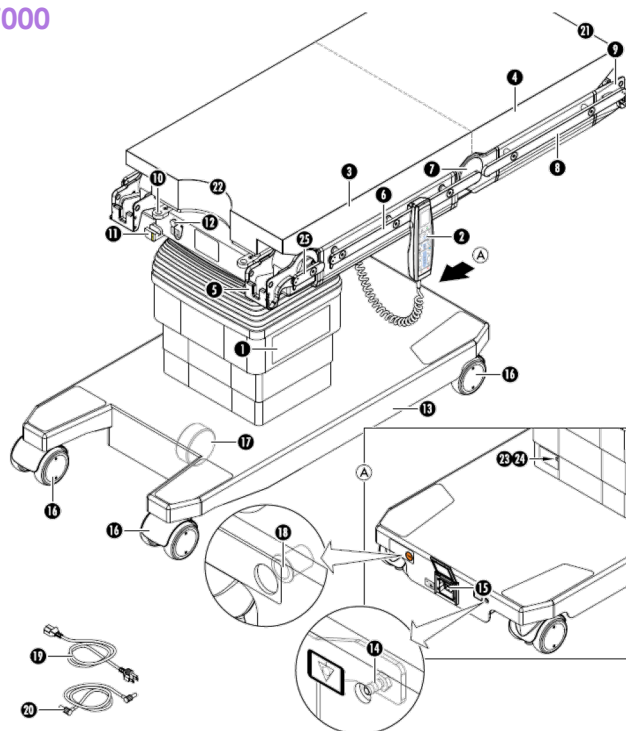
HEIGHT ADJUSTMENT



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TABLE OVERVIEW – TS7000



1	Column Keypad
2	Remote Control
3	Seat Section
4	Back Section
5	Motorized Leg Section Joint with Coupling Point L
6	Standard Rail for Seat Section
7	Motorized Back Section Joint
8	Standard Rail for Back Section
9	Coupling Point S
10	Insertion Aperture for Extension Adapter
11	Support for the Extension Adapter
12	Control Unit Connector Socket (Head and Foot End)

13	Running Gear
14	Connecting Pin for Equipotential Bounding Conductor
15	Connector Socket for the Power Cable
16	Wheel
17	Wheel for Running Gear Assistance (directional / traction drive)
18	Button for Emergency Release (below the label)
19	Power Supply Cable
20	Equipotential Bonding Cable
21	Head End of the Operating Tabletop
22	Foot End of the Operating Tabletop
23	Reset Button
24	Cap
25	Standard Rail for Leg Section Joint



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COMPATIBLE COMPONENTS & ACCESSORIES

1	Tabletop Segment Carbon 1200
2	Tabletop Segment Carbon 600
3	Leg Section One Part Light
4	Leg Section Four Parts Spreadable
5	Leg Section Two Parts Spreadable
6	Leg Section One Part
7	Head Section Single Joint
8	Head Section Double Joint
9	Pelvic Extension
10	Upper Back Section
11	Adapter for Head Positioning
12	Shoulder Chair
13	Extension Adapter TS7000
14	Universal Support
15	MIS-Hip-Aggregate
16	Spindle Traction Mechanism
17	Extension Strut
18	Adapter Spindle Traction Mechanism

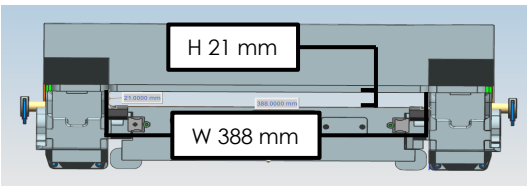




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X-RAY CHANNEL

Dimension (L / H x W)	From head to foot / 21 mm x 388 mm (0.8'' x 15.2'')
	

The tabletop is radiolucent without any restrictions. The longitudinal slide of 46 cm / ± 1 cm (18'' / ± 0.4 '') provides a large 360° scanning area for 3D imaging, and supports surgical procedures for trauma, ortho and vascular.

X-RAY AREA* IN ZERO POSITION

	Foot end	Head end
Head Section	534 mm (21.3'')	1046 mm (41.1'')
Upper Back Section	397 mm (15.6'')	Not compatible
Pelvic Extension	397 mm (15.6'')	Not compatible
Tabletop Segment Carbon 600	802 mm (31.5'')	Not compatible
Tabletop Segment Carbon 1200	1431 mm (56.3'')	Not compatible
Leg Section One Part	734 mm (28.8)	Not compatible
Leg Section Two Parts	950 mm (37.4'')	Not compatible
Leg Section Four Parts	940 mm (37.5'')	Not compatible
Leg Section One Part Light	1096 mm (43.1'')	Not compatible
Leg Section One Part Light and Pelvic Extension	1281 mm (50.4'')	Not compatible
Upper Back Section and Head Section	719 mm (28.3'')	Not compatible

*All information has been calculated by adding the length of the pads; gaps between the pads are not considered, therefore the information is the minimum length of the positioning surface.



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X-RAY AREA* WITH LONGITUDINAL SLIDE

	Foot end	Head end
Head Section	816 mm (32.0")	1221 mm (48.1")
Upper Back Section	679 mm (26.7")	Not compatible
Pelvic Extension	679 mm (26.7")	Not compatible
Tabletop Segment Carbon 600	1048 mm (42.5")	Not compatible
Tabletop Segment Carbon 1200	1713 mm (67.3")	Not compatible
Leg Section One Part	1016 mm (39.9")	Not compatible
Leg Section Two Parts	1232 mm (48.4")	Not compatible
Leg Section Four Parts	1222 mm (48.0")	Not compatible
Leg Section One Part Light	1378 mm (54.1")	Not compatible
Leg Section One Part Light and Pelvic Extension	1563 mm (61.5")	Not compatible
Upper Back Section and Head Section	1001 mm (39.4")	Not compatible

*All information has been calculated by adding the length of the pads; gaps between the pads are not considered, therefore the information is the minimum length of the positioning surface.

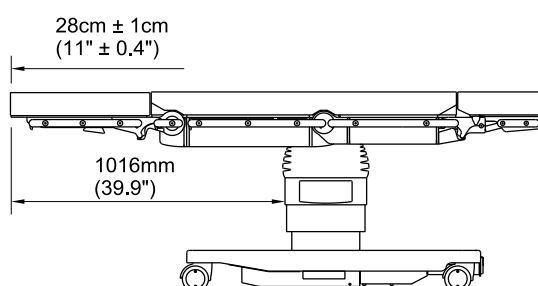


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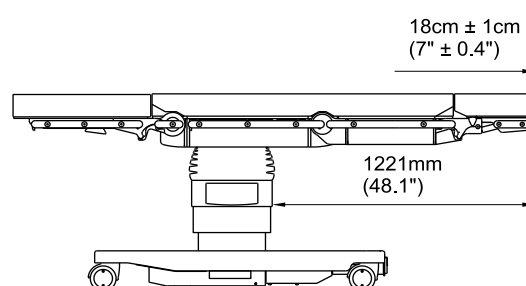
OVERVIEW RADIOLUCENT AREAS

Longitudinal Slide to Foot End

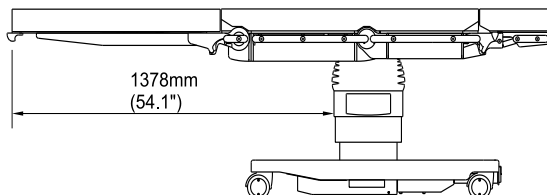


Leg Section One-part

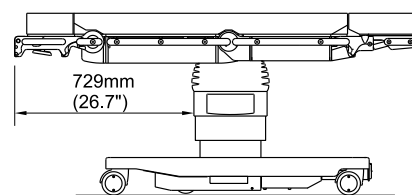
Longitudinal Slide to Head End



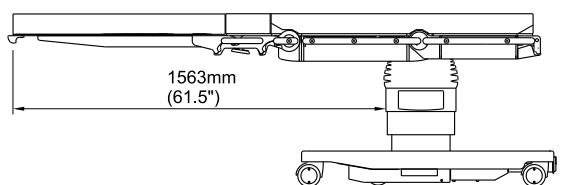
Head Section



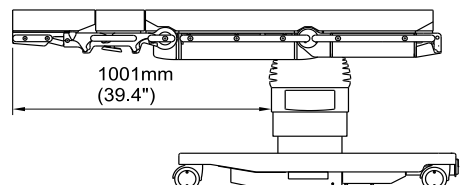
Leg Section One Part Light



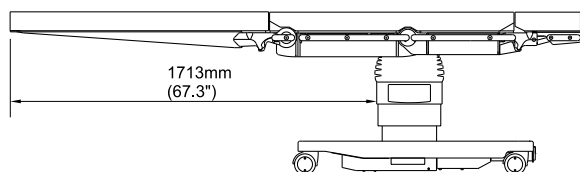
Pelvic Extension



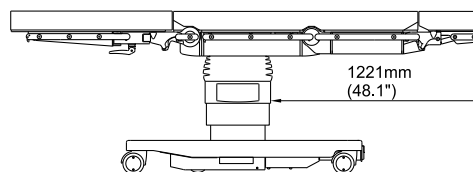
Leg Section One Part Light and Pelvic Extension



Upper Back Section and Head Section



Tabletop Segment Carbon 1200

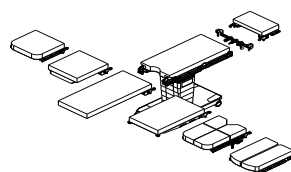


Head Section

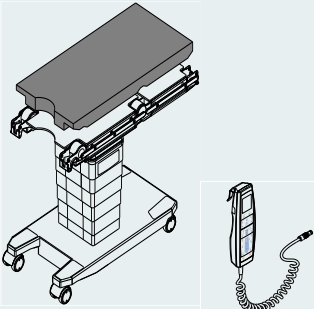
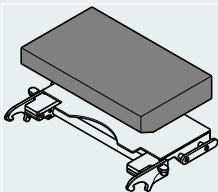
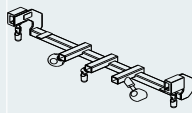
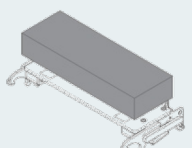


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OVERVIEW COMPATIBLE PRODUCTS

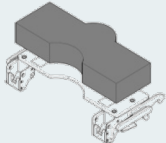
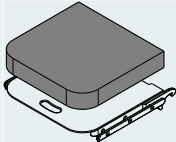
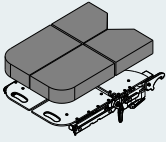
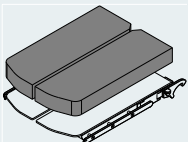
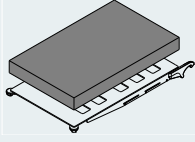
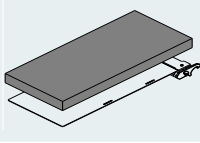
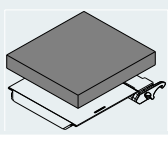
Product	Product Description	Material-No.
Short Cuts	MB – motorized base W – Wireless interface dV – with Iso-Center Motion Standard rail EU / U – US / J – Japan V – with Velcro for pad fixation H – Component with hook coupling point Pad sold separately ¹ Version for USA ² Version for Germany ³ Version for ROW	
OR Tables 	TS7000 U ¹ TS7000 U (MB) ¹ TS7000 U (dV) ¹ TS7000 V ² TS7000 (MBW) V ² TS7000 (dV) ² TS7000 ³ TS7000 (MBW) ³ TS7000 (dV) ³ Cable Remote Control TS7000 (dV) Remote Control Wireless TS7500 Cable Remote Control TS7000 (dV) Pad Tabletop TS7000 B	1604788 1604786 1723633 1841050 1841082 1841083 1841046 1841048 1841049 1767067 1633967 1798326 1753616
Head Sections 	Head section double joint H V Head section double joint H U V Head section double joint H J V Head section single joint H V Head section single joint H U V Head section single joint H J V Pad Head Section H B	1850955 1853828 1860957 1850951 1769761 1850953 1764878
Adapter for Head Positioning 	Adapter for head positioning	1739994
Upper Back Section 	Upper back section H V Upper back section H V U Upper back section H V J Pad for upper back section H B	1909812 1909813 1951368 1909831



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OVERVIEW COMPATIBLE PRODUCTS

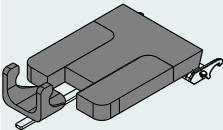
Product	Product Description	Material-No.
Pelvic Extension 	Pelvic extension H V Pelvic extension H V U Pelvic extension H V J Pad pelvic extension H B	1909817 1909820 1951369 1909818
Leg Section One Part 	Leg section one part H V Leg section one part H U V Leg section one part H J V Pad leg section one part H B	1850959 1739969 1850971 1756392
Leg Section Four Parts 	Leg section four parts H V Leg section four parts H U V Leg section four parts H J V Pad leg section four parts H B	1850994 1853829 1850996 1851579
Leg Section Two Parts Spreadable 	Leg section two parts spreadable H V Leg section two parts spreadable H U V Leg section two parts spreadable H J V Pad leg section two parts H B Pad leg section two parts H B URO	1850797 1739991 1850971 1809671 2012542
Leg Section One Part Light 	Leg section one part light H V Pad leg section one part light H B	2012543 1783522
Tabletop Segment Carbon 1200 	Tabletop Segment Carbon 1200 H V Pad TTS Carbon one part B	1850989 1873466
Tabletop Segment Carbon 600 	Tabletop segment Carbon 600 H V Pad TTS Carbon 600 H B	1739992 1770133



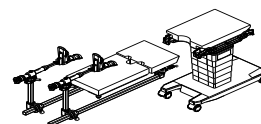
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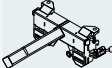
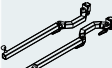
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OVERVIEW COMPATIBLE PRODUCTS

Product	Product Description	Material-No.
	Shoulder Chair H	2009875

OVERVIEW PRODUCTS – EXTENSION – STANDARD ACCESSORIES

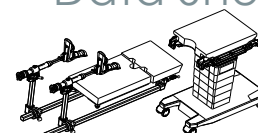


Product	Product Description	Material-No.
	Docking trolley extension unit	1867129
	Extension adapter TS7000	1850992
	Universal support	1876707
	Supporting pad universal B	1880217
	Angle pad TS7000 B	1886332
	Counter traction post 150	1612706
	Transfer leg section Pad transfer leg section	1876708 1880219
	Double joint strut, pair	1574734
	Extension strut medium	1597668
	Adapter spindle traction mechanism	1593159
	Spindle traction mechanism FR	1881967
	Traction boot Traction boot children	1574733 1610541



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OVERVIEW PRODUCTS – EXTENSION – SPECIAL ACCESSORIES

Product	Product Description	Material-No.
	Docking trolley MIS hip device	1867128
	MIS-Hip-Aggregat	1574732
	Extension joint strut X-RAY, pair	1574735
	Adapter extension strut X-RAY	1593158

WEIGHT OF COMPATIBLE PRODUCTS

Product	Weight
Head section double joint	7 kg (15.4 lbs)
Head section single joint	5 kg (11.0 lbs)
Upper back section	5 kg (11.0 lbs)
Pelvic extension	5 kg (11.0 lbs)
Adapter for head positioning	3 kg (6.6 lbs)
Leg section one part	6 kg (13.2 lbs)
Leg section two parts spreadable	5.9 kg (13.0 lbs) per side
Leg section four parts spreadable	Swivel segment: 5.5 kg (12.1 lbs) Lower leg segment: 3.5 kg (7.7 lbs)
Leg section one part light	6 kg (13.2 lbs)
Tabletop segment Carbon 1200	9.2 kg (20.2 lbs)
Tabletop segment Carbon 600	8.1 kg (17.8 lbs)
Shoulder adapter	11.3 kg ± 0.2 kg (25 lbs ± 0.5 lbs)
Transfer leg section	5.8 kg (12.7 lbs)



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DIMENSIONS OF COMPATIBLE PRODUCTS (L x W x H)

Product	Dimension (L x W x H)
Head section double joint	(389 x 625 x 95) mm (15.3" x 24.6" x 3.7")
Head section single joint	(385 x 625 x 92) mm (15.1" x 24.6" x 3.6")
Pad for head section	(325 x 545 x 90) mm (12.8" x 21.4" x 3.5")
Upper back section	(306 x 601 x 100) mm (12.0" x 23.6" x 3.9")
Pad for upper back section	(185 x 545 x 90) mm (7.28" x 21.46" x 3.54")
Pelvic extension	(306 x 601 x 100) mm (12.0" x 23.6" x 3.9")
Pad pelvic extension	(235 x 545 x 90) mm (9.2" x 21.4" x 3.5")
Adapter for head positioning	(130 x 620 x 160) mm (5.1" x 24.4" x 6.3")
Leg section one part	(615 x 600 x 89) mm (24.2" x 23.6" x 3.5")
Pad leg section one part	(522 x 545 x 90) mm (20.5" x 21.4" x 3.5")
Leg section two parts spreadable	(820 x 292) mm (32.2" x 11.5")
Pad leg section two parts	(739 x 253 x 909) mm (29.0" x 9.9" x 35.7") per side
Leg section four parts spreadable	Swivel segment: (405.5 x 280 x 161) mm (15.9" x 11.0" x 6.3") Lower leg segment: (468.5 x 280 x 89) mm (18.4" x 11.0" x 3.5")
Pad leg section four parts	Swivel segment: (300 x 258 x 90) mm (11.8" x 10.1" x 3.5") Lower leg segment: (428 x 258 x 90) mm (16.8" x 10.1" x 3.5")
Leg section one part light	(1020 x 560 x 86) mm (40.1" x 22.0" x 3.3")
Pad leg section one part light	(885 x 545 x 90) mm (34.8" x 21.4" x 3.5")
Tabletop segment Carbon 1200	(1300 x 620 x 90) mm (51.1" x 24.4" x 3.5")
Pad TTS Carbon one part	(1219 x 545 x 90) mm (47.9" x 21.4" x 3.5")
Tabletop segment Carbon 600	(690 x 620 x 90) mm (27.1" x 24.4" x 3.5")
Pad TTS Carbon 600	(590 x 545 x 90) mm (23.2" x 21.4" x 3.5")
Shoulder adapter	(96.5 x 66 x 22.9) cm / ± 1.3 cm (38" x 26" x 9" / ± 0.5")
Transfer leg section	(886 x 542 x 68) mm (34.8" x 21.3" x 2.6")
Pad transfer leg section	(775 x 500 x 90) mm (30.5" x 19.6" x 3.5")

For more information please contact
your local Hillrom representative.

Amerika Building (7th Floor), Hoogoorddreef 15
1101 BA Amsterdam, The Netherlands

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TS7000 naming corresponds to the following CE registered products: TruSystem 7000 U (MB) - 1604786; TruSystem 7000 U - 1604788; TruSystem 7000 U (dV) - 1723633; TruSystem 7000 - 1841046; TruSystem 7000 (MBW) - 1841048; TruSystem 7000 (dV) - 1841049; TruSystem 7000 V - 1841050; TruSystem 7000 (MBW) V - 1841082; TruSystem 7000 (dV) V - 1841083; TruSystem 7000 U14 (MBW) - 2065385; TruSystem 7000 U14 (MBW) V - 2065386; Cladding Protection TS7000 1604786 - 2069528; Tam ISI - 1832238; Cable connection TS7000 (dV) - 1816914

The TS7000 is intended to be used by clinicians and medically qualified personnel. This medical device is a regulated healthcare product which, pursuant to such regulation bears a CE mark. Hill-Rom recommends that you carefully read the detailed instructions for safe and proper use included in the documents accompanying the medical devices. The personnel of healthcare establishments are responsible for the proper use and maintenance of these medical devices. Hill-Rom reserves the right to make changes without notice in design, specifications and models. The only warranty Hill-Rom makes is the express written warranty extended on the sale or rental of its products. TRUMPF Medizin Systeme GmbH + Co. KG is a subsidiary of Hill-Rom Holdings, Inc.