



ProBelt

Product Training



Perfectly hygienic Belt System



High Requirements



- Very high patient throughput and emergency/trauma applications in CT
- Patients must be positioned quickly, stable and perfectly hygienic
- Positioning aids must be hygienic and hard-wearing for positioning patients to meet the high requirements



The challenge of hygiene

“

"(...)It is impossible to avoid contamination of the conventional "fabric belts" of the device manufacturers and at the same time to put them into such a condition before re-use that no limit value transgressions in the pathogen load can be detected.(...)

”

Dr. Sascha Pietruschka, Head Physician, Clinic for
Radiology and Neuroradiology, DBK-Neubrandenburg



Finally – perfectly hygienic belts system



ProBelt: Advantages

ProBelt systems are class 1 medical devices, CE marked with corresponding technical documentation and verification documents.



Perfectly Hygienic

Easy to clean without leaving residues, provides reliable protection and thus increases the safety and well-being of the patient.



Easy and quick application

Positioning is by means of standard table rails and the belt is fixed with an intuitive locking mechanism.



High Durability

Resilient materials with high quality workmanship provide excellent fixation performance even for uncooperative patients.



ProBelt – perfectly hygienic belt system

- ProBelt system can be closed with a simple hook-and-eye principle and completely dispense with conventional hook-and-loop fasteners.
- The ProBelt fixation system is made of PU foil without any fabrics or seams.
- Resistant surface even when disinfected with 90% alcohol.
- Easy to wipe off and dries quickly after cleaning bath



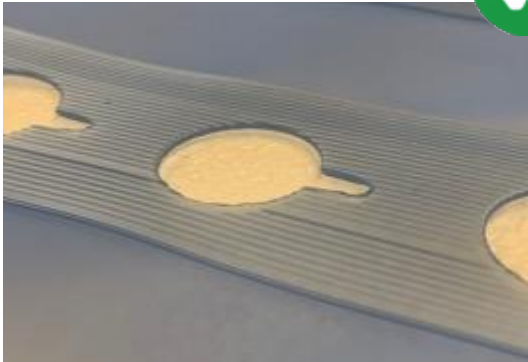
ProBelt – Easy and quick application



- The ProBelt belt system can be slid into place along the existing CT table rails using the rail adapter.
- Rail adapters are available for common patient tables of all CT manufacturers.
- Strap ends can be closed almost infinitely by means of a simple hook-and-eye principle and adapted to the patient's size.



ProBelt – high durability



The ProBelt was specifically developed for the high requirements in the CT environment

- Reinforced eyelets and rail connection

ProBelt materials and weld seams remain intact even when...

- ... high patient throughput
- ... strong and regular cleaning/disinfection
- ... pulling/tearing with great force

ProBelt systems are not affected even by repeated use of disinfectants.



ProBelt Portfolio

ProBelt Thorax



ProBelt Wrap



ProBelt 200/350



ProBelt 50



ProBelt for MRI

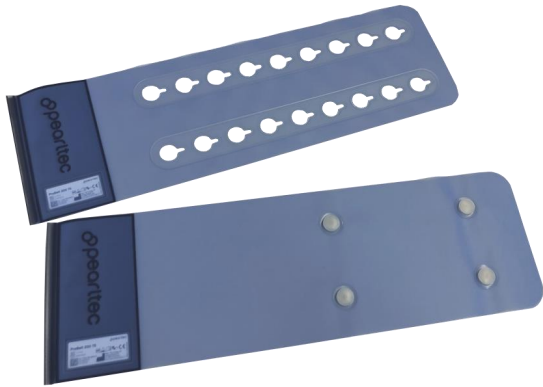


ProBelt 200/350



ProBelt 200/350

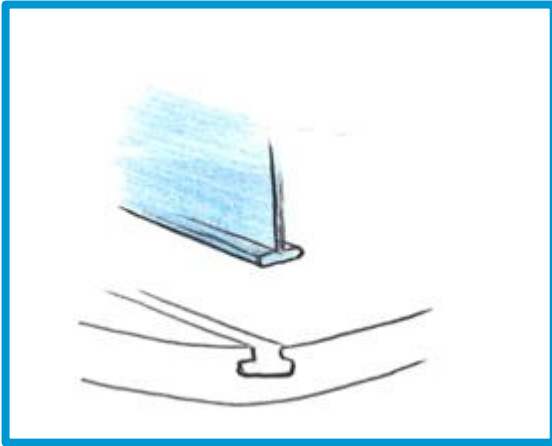
Perfectly hygienic Belt System for CTs with table rails



Article Nr.	Article Name	Original Equipment manufacturer (OEM)
1170	ProBelt 200 R2	GE
1171	ProBelt 200 R3	Siemens & Philips
1172	ProBelt 200 T5	Canon
1241	ProBelt 200 J10	Philips
1213	ProBelt 200 Extension	For all OEM's
1214	ProBelt 350 R2	GE
1215	ProBelt 350 R3	Siemens & Philips
1216	ProBelt 350 T5	Canon
1242	ProBelt 350 J10	Philips
1217	ProBelt 350 Extension	For all OEM's



ProBelt 200/350: Application (1/2)



Slide the ProBelt into the table rail provided. Note: The lettering "Pearltec" is visible when the ProBelt is closed.



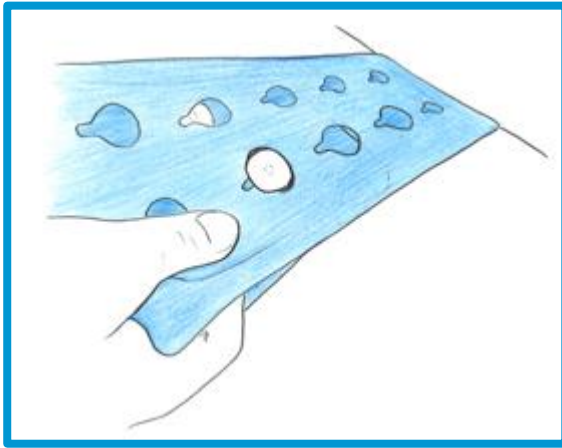
Push the ProBelt to the body region to be positioned.



Place both ends of the ProBelt over the patient and pull tight according to the application.

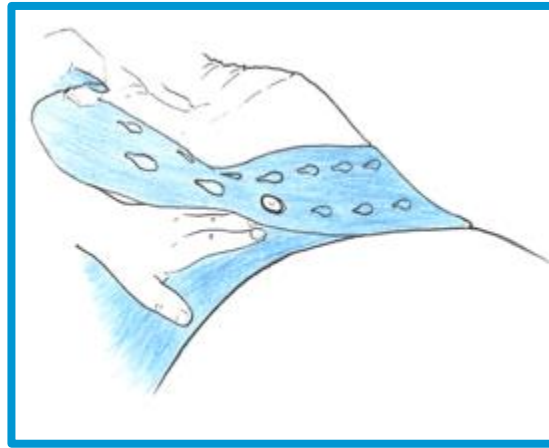


ProBelt 200/350: Anwendung (2/2)



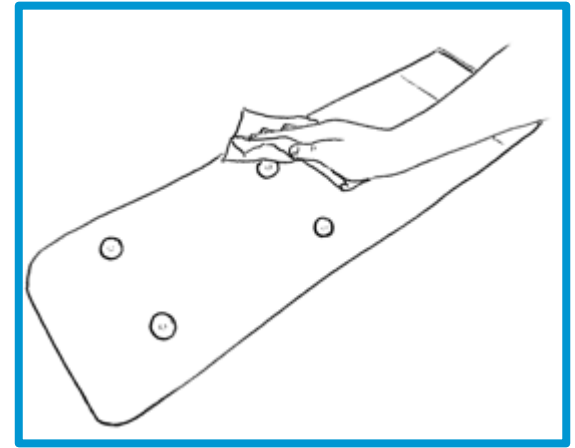
Thread the hooks of the tightened ProBelt into the eyelets and fix the patient.

Only after the ProBelt has been closed may the CT table be moved to the starting position for the start of the examination.



After the examination, move the examination table to the neutral position.

Then release the fixation by opening the buckle and slide the belt to the foot end of the examination table before the patient leaves it.



Clean ProBelt with conventional disinfectants after each use.

When not in use, place the ProBelt at the end of the table and fold it over smoothly to prevent the belt from getting caught when the table is moved.

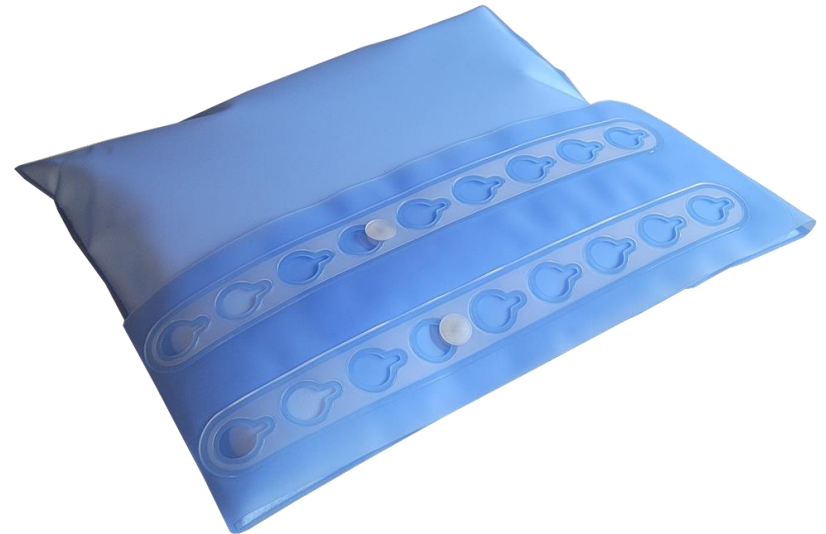


ProBelt Thorax



ProBelt Thorax

Simple and effective positioning of the arms on the upper body



Article Nr.	Article Name	Equipment manufacturer
1173	ProBelt 200 Thorax PFC	For all equipment manufacturers



ProBelt Thorax: Application



- ProBelt Thorax is not directly connected to the CT table and can therefore be used regardless of the manufacturer. The ProBelt Thorax helps to keep the arms in the correct position, but does not fix the patient to the table.
- Main application is for arm positioning on the upper body with required distance to avoid artefacts.
- ProBelt Thorax PFC combines a PearlFit Cushion (50x50 cm, 5 cm high) with a belt (20 cm wide, 40/50 cm long).



ProBelt Thorax: Application



Position PearlFit Cushion/Wedge on patient's upper body and place arms on top.

Place both ends of the ProBelt over the patient and pull tight according to the application.



Thread the hooks of the tightened ProBelt into eyelets and fix the patient's arms.

After the examination, move the examination table to the neutral position and then release the fixation by opening the lock.

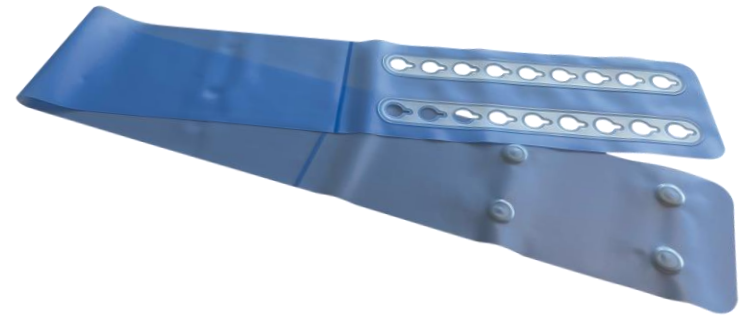


ProBelt Wrap



ProBelt Wrap

Effective and hygienic stabilisation of the patient on tables without belt rail



Article Nr.	Article Name
1187	ProBelt Wrap 200
1220	ProBelt Wrap 70
1229	ProBelt Wrap 350



ProBelt 50



ProBelt 50

Fast and hygienic stabilisation of the patient in the CT head tray



Article Nr.	Article Name	Equipment manufacturer
5008	ProBelt 50 VL	Canon, Philips, Siemens
5009	ProBelt 50 VH	GE

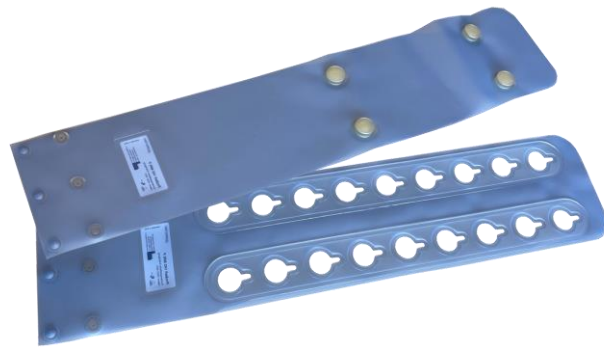


ProBelt for MRI



ProBelt for MRI

Perfectly hygienic patient immobilisation at the MRT



Article Nr.	Article Name	Equipment manufacturer
1219	ProBelt 140 MRI P	Philips
1240	ProBelt 140 MRI P Extension	For all Equipment manufacturer
1259	ProBelt 200 U5	Canon
1170	ProBelt 200 R2	GE
1213	ProBelt 200 Extension	For all Equipment manufacturer
1260	ProBelt 350 U5	Canon
1214	ProBelt 350 R2	GE
1217	ProBelt 350 Extension	For all Equipment manufacturer



ProBelt Cleaning/Disinfection

Clean ProBelt with conventional disinfectants after each use.

Disinfection wipes

- Kohrsolin FF Tissues (Hartmann)
- Mikrobac Tissues (Hartmann)
- Bacillol 30 Tissues (Hartmann)

For alcohol-resistant surfaces

- Incidin liquid (Ecolab)
- Mikrozyd AF liquid (Schülke)
- 70 % Alcohol (Hänseler)
- 2-Propanol (Sigma Aldrich)

Aldehyde-free

- Biguanid Fläche N (Schumacher / Dengg)
- TPH protect (Schülke)
- Kohrsolin FF (Hartmann)

For non-alcohol resistant surfaces

- Mikrozyd sensitive liquid (Schülke)

Oxygen separator

- Perform (Schülke)



Attention:

At no time should the cleaning agent be sprayed or given directly onto the product. Always use a pre-made cleaning cloth or a cloth that you moisten with the cleaning agent.

Cleaning instructions:

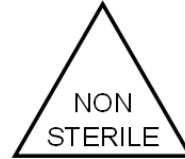
Use a hygiene barrier for each application and clean your products after each application.



ProBelt - Worth mentioning



MR safe



Non-sterile, Do not
sterilise



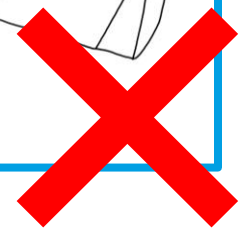
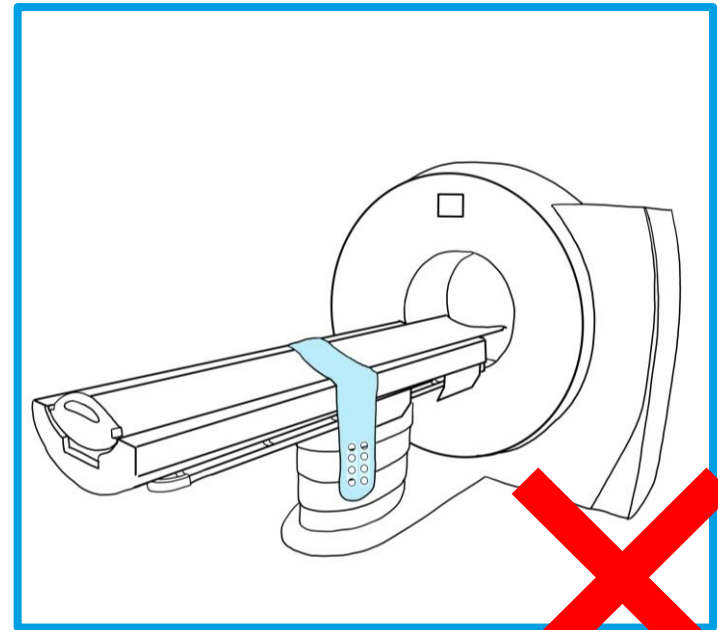
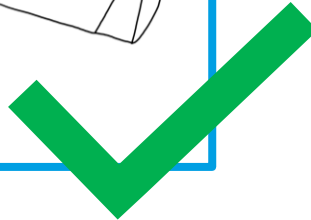
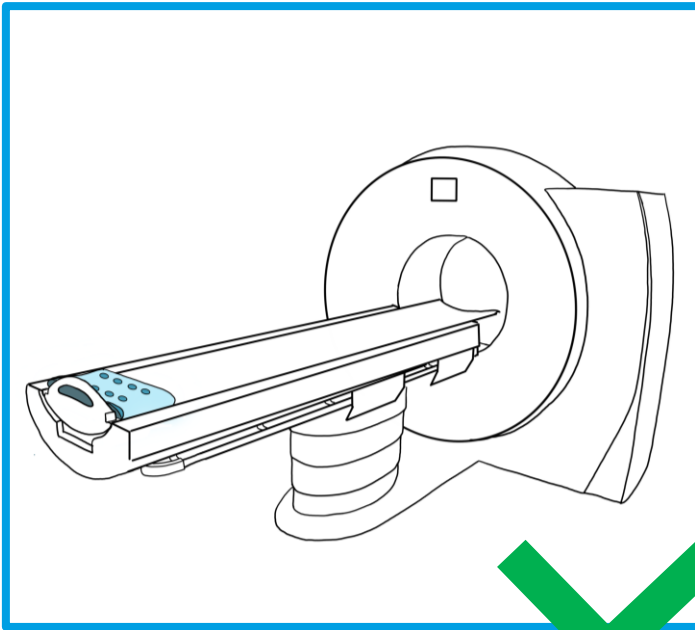
Contraindication / Warning:

Do not use product for procedures other than those described in the intended use. Do not apply directly to the skin. Use disposable hygienic towel. Do not use on acute open injuries.

Never move the examination table when ProBelt is hanging down the side of the table.



ProBelt - Worth mentioning



Customer Feedback



“

We no longer have to compromise between safe patient positioning and hygiene guidelines.

Dr. Sascha Alexander Pietruschka

”



Pearl Technology AG



Leading manufacturer of **patient positioning solutions in medical imaging** (radiology, nuclear medicine).

Swiss **medical technology company** with established technologies and products in the field of radiology since 2008.

Patented technology and 100% Swiss Made **medical devices class 1** according to ISO 13485:2016.



Pearl Technology AG
Wiesenstrasse 33
8952 Schlieren
Switzerland

www.pearl-technology.com

info@pearl-technology.ch
T: +41 43 535 08 40

