

ESSENTIALLY BETTER

New standard
from 31/08/2020



Seta pro junior

The standard-compliant youth bed

In 2020, a unified EU standard for paediatric beds came into force for the first time. The new regulations set some significantly higher safety standards for children and youth beds than before. Stieglmeyer closely followed the creation of the new standard. While developing the new Seta pro junior youth bed, our designers made every effort to ensure that the bed is easy for nursing staff to use yet meets the new stringent requirements.

The Seta pro junior meets the challenges of the standard and fulfils all its requirements. It retains the advantages of our successful Seta bed series and you will be impressed by its comfort, robustness and good hygiene properties. We have found solutions that provide an optimum combination of protection for young patients and smooth work processes on the ward.

Important contents of the new EN 50637 standard:

- Significantly reduced gaps between safety side bars, and between safety sides and the mattress base or between safety sides and the headboard and footboard, to prevent strangulation and entrapment
- No recesses or gaps that allow fingers to be trapped
- Cables must be laid in such a way as to prevent the risk of strangulation
- Gaps between the safety side and the mattress must be dimensioned to prevent entrapment of limbs
- Edges must not pose a risk of injury, and sharp edges are to be avoided
- A means must be provided to keep all electrical control devices locked away on the bed, together with their cables



Seta pro junior

10 powerful arguments for better safety



Our Seta pro is a modern and extremely reliable hospital bed. The new Junior version combines the strengths of the adult model with a reduced-size mattress base measuring 78 x 180 cm. The bed provides users with a range of convenient motorised adjustment options. It also offers many intelligent details to implement the requirements of the standard.

Here are the most important features at a glance:

- 1 The spacing of the bars on the full-length safety side has been halved and is now less than 60 mm. Even if a high pressure of 125 N is applied, a test cone cannot be pressed through the space between the bars. Children who have a small head diameter are thus protected from being trapped or strangled.
- 2 The handle of the patient lifting pole has been fitted with crosspieces to make it impossible for children to put their head through it.
- 3 Since the guide of the safety side is anchored directly in the headboard and footboard, there is no space in between where children could get trapped.



- 4 The 4-section mattress base of the Seta pro junior ensures comfort and flexibility during therapy. The gaps between the mattress base sections are narrower than 60 mm and are covered to prevent access. Even if small patients crawl under the mattress, they cannot get trapped here.



- 5 A perfectly fitting, non-sliding mattress ensures that patients cannot put their head between the mattress and safety side or head/footboard and suffer breathing difficulties as a result. The gaps around the mattress are significantly smaller than in adult beds.



- 6 Permanently secured plastic mattress base covers withstand the curiosity of children and block access to any possible hazard points on the movable bed mechanism under the mattress base.



- 7 The entire bed is devoid of any accessible openings that have a diameter of 7 to 25 mm and a depth of 10 mm or more in which children could trap fingers or toes.

- 8 When not in use, the handset and its cable can be stowed away safely in boxes at either side of the mattress base. These are secured with standard magnetic locks. This prevents children from adjusting the bed by mistake or being strangled by the handset cable.



- 9 The control box in the linen holder is also fitted with a magnetic lock to prevent unauthorised removal. Children playing on the floor cannot become trapped under the bed as a result of operating the control box and making bed adjustments.



- 10 The Seta pro junior has been tested to ensure that it also achieves the long service life expected of Stieglmeyer products. We adjusted the mattress base many thousands of times under the nominal load of 175 kg and found no subsequent safety-relevant wear or deformation:
 - Adjustment of mattress base height: 3000 times
 - Tilting of mattress base to reverse-Trendelenburg position: 3000 times
 - Backrest and thigh rest: 3000 times each





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