













Locking systems for all needs

With its wide portfolio of locking technologies, Välinge is able to offer a locking system suitable for each type of flooring, material width and optimized for a wide range of floor board thicknesses.

Välinge short side locking solutions listed below are also compatible with a range of long side locking systems available on the market, assembled by angling.

Välinge locking			 		 2G Hook	One piece fold down
Installation	Angling Short & long side	Fold down Short side	Fold down Short side	Fold down Short side	Fold down Short side	Fold down Short side
Material						

The Fold Down revolution

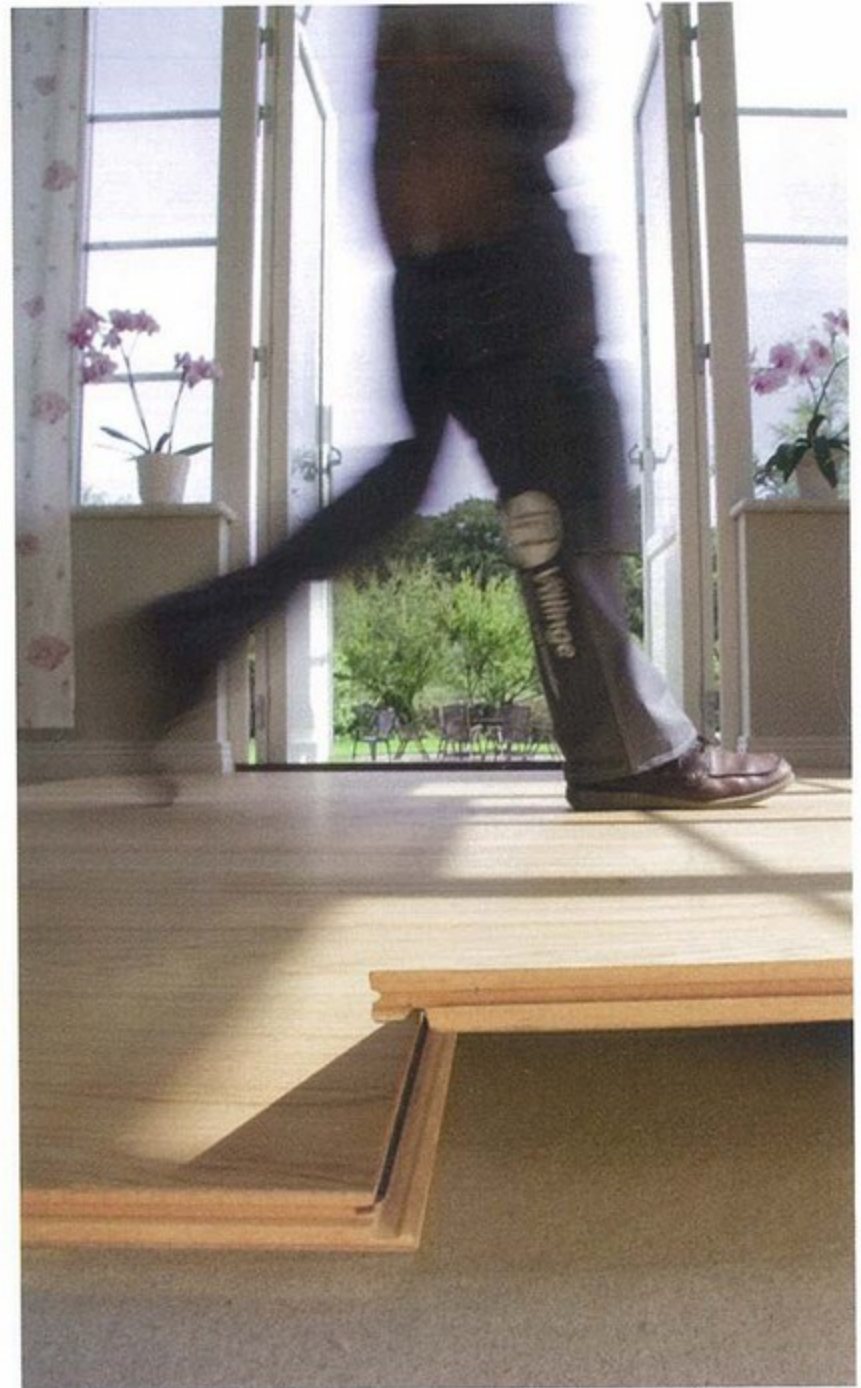


Välinge's fifth generation of locking systems are based on a single action installation method suitable for all types and width of floor products. Floor installation has never been easier.

The boards are locked, on the long side with a traditional angling method. On the short side, the different versions of the 5G[®] locking systems enable simple and fast installation by vertical snap (5G-C) or side push (5G-S and 5G-W) without the need of any tools.

Strong and robust locking is insured by an optimized profile and a glass fiber reinforced tongue on the short side of the panel.

Considerable time saving can be achieved when installing flooring equipped with 5G Fold Down in comparison with traditional locking such as angle-snap or snap-snap installation.



Saving time using 5G® Fold Down

FEATURES & BENEFITS

TIME SAVING

Considerable time saving can be achieved when installing flooring equipped with 5G Fold Down in comparison with traditional locking suitable for angle-snap or snap-snap installation

Installation time

Same product size,
surface and under
same conditions



Single action



Angle - Snap



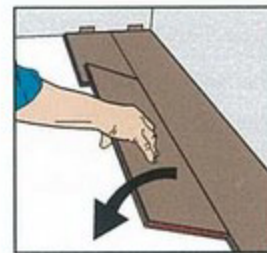
Snap - Snap



Use your smartphone
to watch the video

EASY

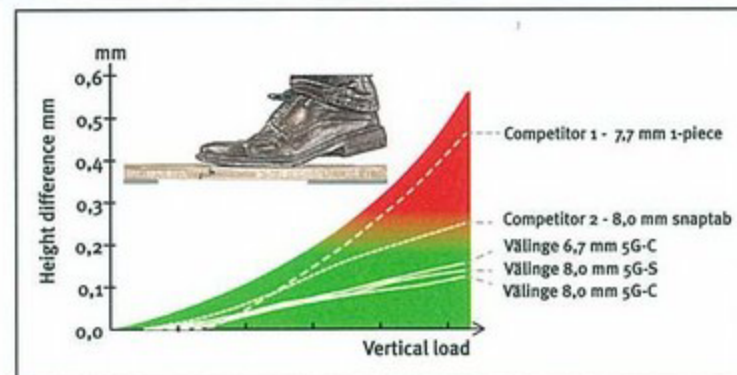
- "Everyone can do it"
Easy installation due to single action installation method
- Easy to glue down



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PERFORMANCE

- High locking strength
Optimized vertical and horizontal locking
- Decreased risk of squeaking sound
No shifting of short or long side needed



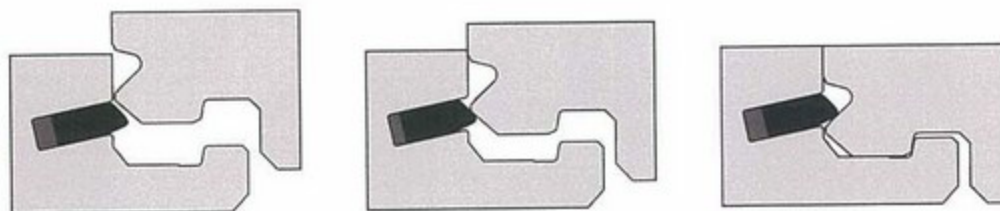
5G[®] Vertical snap installation

5G-C Vertical snap installation secures installation with this **visible and audible** locking function.

When a panel is folded down, a flexible plastic tongue is pushed into a tongue-groove. When the panel reaches its final position, the locking tongue snaps out into a wedge groove, **emits a "click" sound** and locks the product vertically.



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The advanced bristle tongue used in Välinge's vertical snap systems (5G-C) consists of a rigid outer part and several flexible inner protrusions. It creates a strong pretension locking and enables to overcome production tolerances. The special design of the locking profile combined with the high performance glass fiber reinforced plastic tongue allows superior function during climate changes and forces applied on the floor.



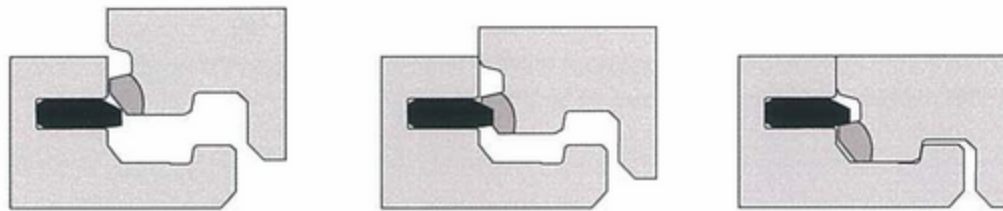
5G® Side push installation

Side push technology allows **instant installation adjustments**.

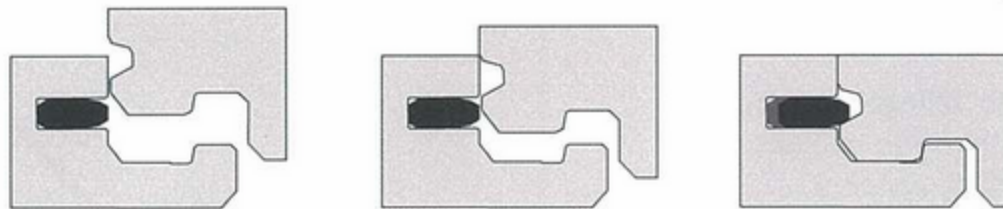
When a panel is folded down, there are **no separation forces**. The panels are **not automatically locked during folding**. Locking is insured by the installation of the next row, pushing and displacing the tongue into locked position.



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Use your smartphone to watch the video



A world standard in locking

"The BOEN Group is an experienced manufacturer of high quality hardwood flooring and indoor sport flooring, and Välinge's excellent 5G locking system has contributed to raise the standard of our products even more."

Geir Wåland, Sales and Marketing Director - BOEN AS



"This floor is remarkable to install and stands out with its very good vertical alignment and minimum gap between panels."

Dipl.-Ing. Olaf Thelen in Parkett Welt 2011, about the test winner Haro Parkett Plank 1-Strip Oak with Top Connect®, based on Välinge's licensed 5G technology.

Since its first introduction on the market in 2005, volumes of flooring using 5G fold down on the short side have been increasing rapidly, making 5G a new world standard in locking.

As of January 2014, over 80 Välinge licensees have manufactured more than 700 millions m² with 5G/Fold down locking systems accumulated since 2005.

