



INTUS

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TILT-BEFORE-TURN (TBT) HARDWARE

activPilot Concept with TBT Mechanism

The activPilot fitting system with the tilt-before-turn operating sequence offers more safety for young and old. It means that the tilt function is carried out prior to turn opening. Windows with this function minimise the risk of a fall from a height. They are used in schools and kindergartens, houses and blocks of flats, as well as in old people's homes.

Controlled Opening

With the activPilot window fitting system only a few components are necessary to create an operating sequence putting the tilt function before the turn opening ("tilt first"). Complemented by a special TBT ("tilt before turn") window handle, which allows the turn position to be accessed only by use of a key, opening the window fully is effectively avoided.





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TBT Mechanism for Child-Proof Window Solutions

- + Child protection included: the tilt-before-turn fitting means that the tilt position is reached first
- + Turn opening is only possible with a key
- + Specially suited for public buildings, such as kindergartens, schools, hospitals and senior facilities.



Key Required for Turn Opening

- + A special, lockable TBT window handle means that the window can be turned open only after use of a key
- + Windows with a TBT window handle may only be opened by the key holder
- + Use of a lockable window handle is compulsory for test categories DIN V ENV 1627 ff.



Easy Adjustment of the Operating Sequence

- + activPilot security keep with tilt-first element can easily be fitted to the window frame
- + activPilot shears and top rods in the window sash are adapted to tilt-before-turn function
- + Components are mounted almost invisibly in the window frame and sash
- + Easy switch to turn-tilt function if change of usage is required





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Tilt-Before-Turn (TBT) vs FSV Window Lock

1. Security Lock FSV

The security lock FSV blocks the function of sash rotation with the use of key (in this case, function of sash tilt remains) not allowing children to open window. The mechanism of lock FSV is entirely hidden inside the sash and only its front panel is seen.



2. TBT Mechanism with Locking Handle

It means that the tilt function is carried out prior to turn opening. Complemented by a special TBT (“tilt before turn”) window handle, which allows the turn position to be accessed only by use of a key, opening the window fully is effectively avoided.

