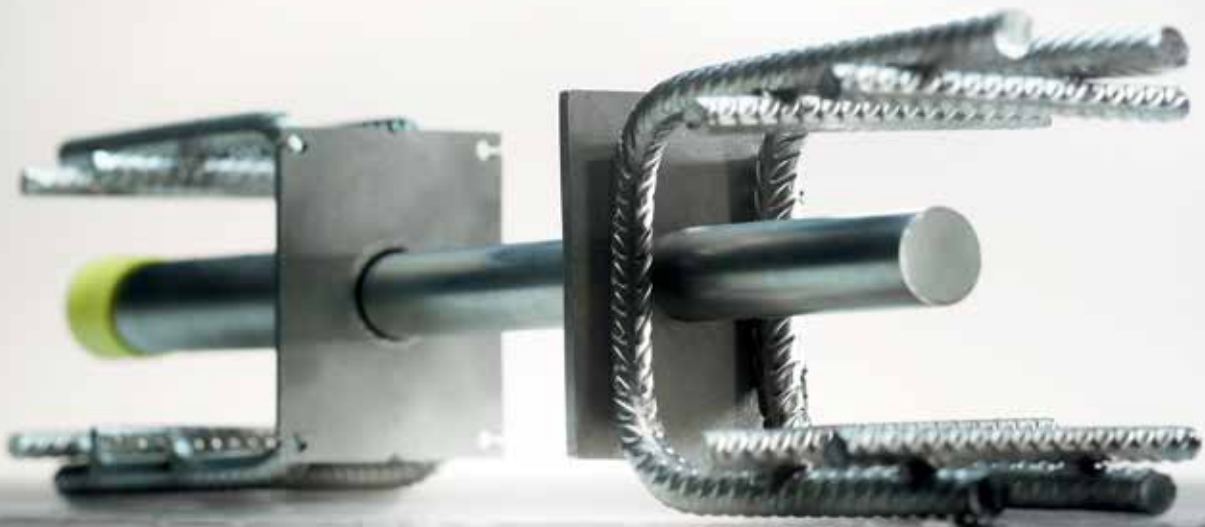
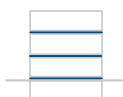




SCHÖCK STACON® SLD

Compact for the highest performance.



Shear force dowels for secure and constraint-free connection of reinforced concrete structural components in expansion joints.

The new generation.

Higher load-bearing capacities in thinner structural components – Schöck Stacon® SLD now satisfies this complex demand. With its more compact dimensions, higher load-bearing levels can be achieved in thinner floor slabs and walls. Furthermore, less on-site reinforcement is required. This optimised product is the result of years of research that have led to more realistic design models.

Benefits

Higher performance in thin structural components

Stacon® SLD has smaller dimensions, allowing higher load-bearing levels to be achieved in thinner structural components.

Superb cost effectiveness

The optimised heavy-duty dowel means that less on-site reinforcement is required. The number of stirrups can be reduced and the hat-shaped brackets are no longer needed on the dowel.

Comfortable planning with Schöck Scalix®

The Scalix® design software is the first web application in the market segment for shear force dowels. It runs on all common browsers.

The modular software enables simple design of Stacon® joints. The necessary on-site reinforcement is automatically optimised.

Proven fire protection

Stacon® SLD enables the construction of expansion joints with a fire resistance rating of R 120. When used in combination with fire protection strips, it also allows for the creation of fire-resistant and integrity-rated joints.

Proven safety according to ETA

After years of research, Stacon® has been awarded the European Technical Assessment (ETA 21/0439). The heavy-duty dowel was tested to the state of the art. The new test methods evaluate the free movement, load-bearing capacity of the steel and the concrete, serviceability and the structural strength.

Ready to install and maintenance-free

Stacon® is made of stainless steel, and is supplied ready for installation – for secure and maintenance-free connections.



For further information on Scalix® visit www.schoeck.com/en/scalix



European Technical Assessment with CE mark





Innovation through intensive research

Load-bearing capacity of the steel

The elastic load-bearing capacity of the dowels was determined precisely in numerous tests at different load-bearing levels.

Anchorage in the concrete

The optimum length of the anchorage was determined by tests with different stirrup lengths.

Concrete edge failure of the slab

The concrete edge failure next to the dowel was investigated using different on-site stirrups. The results of these investigations were used to optimise the computation model, thereby reducing the amount of on-site reinforcement required.



Further information at
[www.schoeck.com/en/
shear-dowel-stacon-sld](http://www.schoeck.com/en/shear-dowel-stacon-sld)

Stacon® SLD

For the transfer of high shear forces



Stacon® SLD-Q

For high shear forces and lateral flexibility



Stacon® SLD Part BSM

For fire protection up to R 120



Stacon® SLD Part BSS

The fire-resistant strip enables the formation of fire-resistant joints with integrity rating.

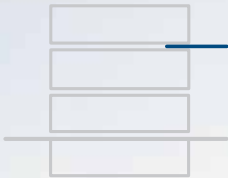


COMPREHENSIVE EXPERTISE

Dependable solutions.

Using our future-proof product solutions and systems, we fulfil all structural, physical and construction requirements of the respective application for new construction projects and existing buildings. Our main areas of focus are the reduction of thermal bridges, impact sound insulation and reinforcement technology.

Balcony, access
balcony, canopy



Wall,
column



Parapet, roof
superstructure



Façade



Slab



Stairs



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