SCHÖCK
Dependable by design

Schöck Dorn is now Schöck Stacon®.

SCHÖCK STACON® TYPE 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® type 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
Schöck Stacon® type 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 new Schöck 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.

Scalix®

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

Proven fire protection
The R 120 fire performance classification is documented in the European Technical Assessment (ETA 21/0439).

Proven safety according to ETA
After years of research, Schöck 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.

European Technical Assessment with CE mark

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

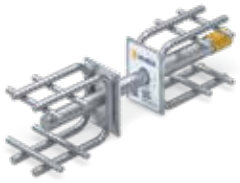
Innovation through intensive research

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.

Schöck Stacon® type SLD
For the transfer of high shear forces



Schöck Stacon® type SLD
For high shear forces and lateral flexibilty

Schöck Stacon® type SLD
Part BSM
For fire protection up to R 120

Further information at
www.schoeck.com/stc-sld/en

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

SCHÖCK
Dependable by design

Schöck Bauteile GmbH
Schöckstrasse 1
76534 Baden-Baden, Germany
Telephone: +49 7223 967-144
export@schoeck.com
www.schoeck.com

Subject to technical modifications.
Date of publication: June 2021

805256/02.2024/INT/240049