



SCHÖCK DORN

Shear force dowels for expansion joints.

Whether you are building bridges, slabs in high-rise buildings or underground parking garage floors, expansion joints effectively prevent cracks caused by shrinkage or temperature changes. However, conventional expansion joint designs, such as corbels, are laborious to install and take up a lot of space.

Schöck Dorn is an economically viable alternative. This solution simplifies the design and construction of expansion joints while at the same time making the best possible use of the available space.

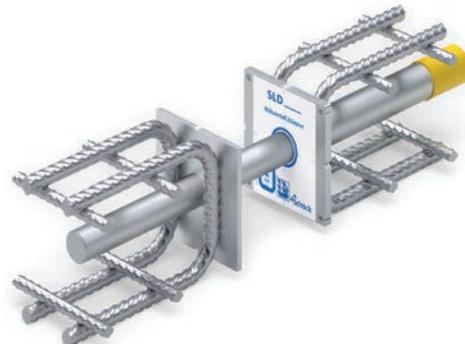
Schöck Dorn Type LD and LD-Q

The load dowels serve to transfer small to medium shear forces in structural joints. They enable free movement in the direction of the dowel axis and free movement in the transverse direction is also an option. Made of stainless or galvanized steel, they provide the expected corrosion resistance. The sleeves are optional.



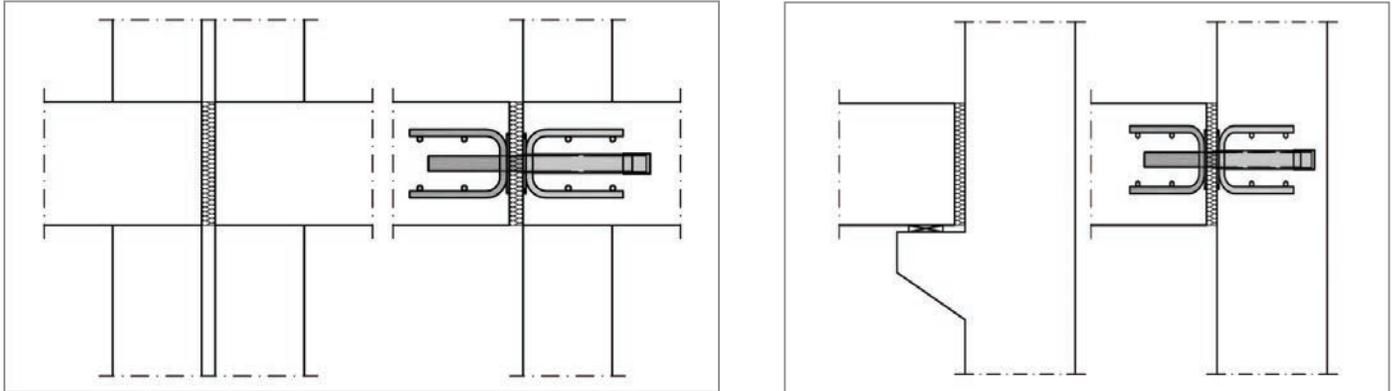
Schöck Dorn Type SLD and SLD-Q

For higher shear forces, the heavy-duty dowels are considered. The reinforcing is made of high-grade stainless steel for corrosion resistance.



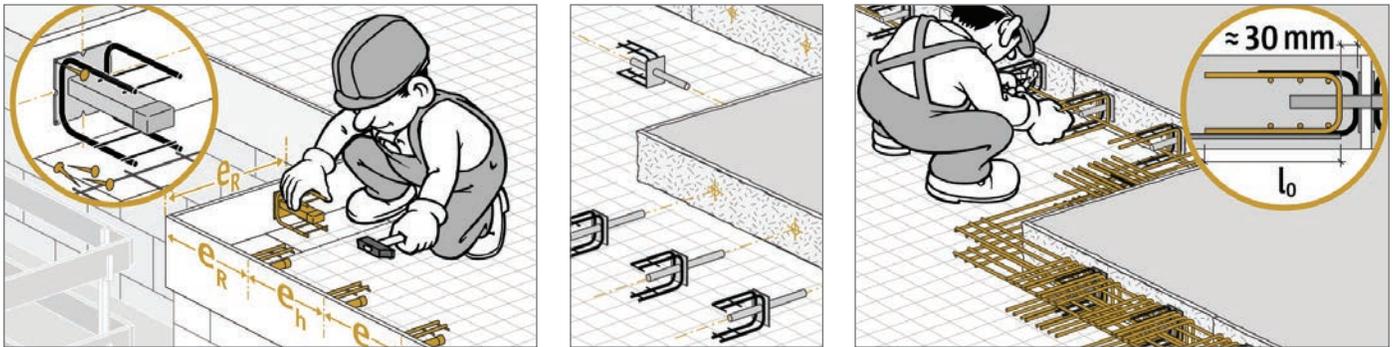
Schöck Dorn dowels for expansion joint construction – simpler installation, more effective use of space.

Expansion joints using Schöck Dorn, instead of twin columns or corbel



Schöck Dorn Dowels vary in diameter from 16mm to 42mm (5/8" to 1 5/8") with a shear strength of up to 250kN (56.2 kips), depending on the structural element thickness and expansion joint width. Schöck can provide design assistance when required.

Installation of Schöck Dorn Dowels (For more details refer to the shop drawings and the technical manual)



Schöck Dorn LD installed



Schöck Dorn SLD installed



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- TECHNICAL EXPERTISE – All of our sales managers are either architects or engineers so they understand your world and your challenges.
- DESIGN SUPPORT – Easy-to-access CAD/BIM files and product specs online.
- PROVEN RELIABILITY – Schöck has been providing the highest quality building materials to job sites around the world since 1983.