

fischer 

InnoLock PowerEdge.
Maximum safety for
near-edge applications.



InnoLock PowerEdge.

Reliability reaches new heights.

The façades of tall buildings are subject to high wind loads and as a result high shear forces are exerted on the cast-in channels that the façade elements are mounted on. Therefore, to meet these demands, the InnoLock PowerEdge has been specially developed for fixings installed close to the edge. This unique addition to the fischer cast-in channel InnoLock FES simplifies planning and ensures a safe and efficient system. With this innovation, fischer is setting a new standard in the world of façade fixings.

Leading performance

This system solution, consisting of the cast-in channel InnoLock FES-RS-S and InnoLock PowerEdge reliably transfers high shear loads to the slab ensuring that the loads on the concrete edge are safely transferred for both reinforced and unreinforced concrete. In this way, the system protects against cracking the concrete edges and ensures the secure fastening of façade elements. Compared to using the cast-in channel without PowerEdge, the maximum load-bearing capacity in the shear direction increases by more than threefold without taking any additional measures on site.

Simple and easy installation

Working with the InnoLock PowerEdge on the construction site is extremely simple: Thanks to the unique 'click system', this special solution can be quickly and easily connected to the cast-in channel and then installed flush with the surface. The existing reinforcement remains unaffected.

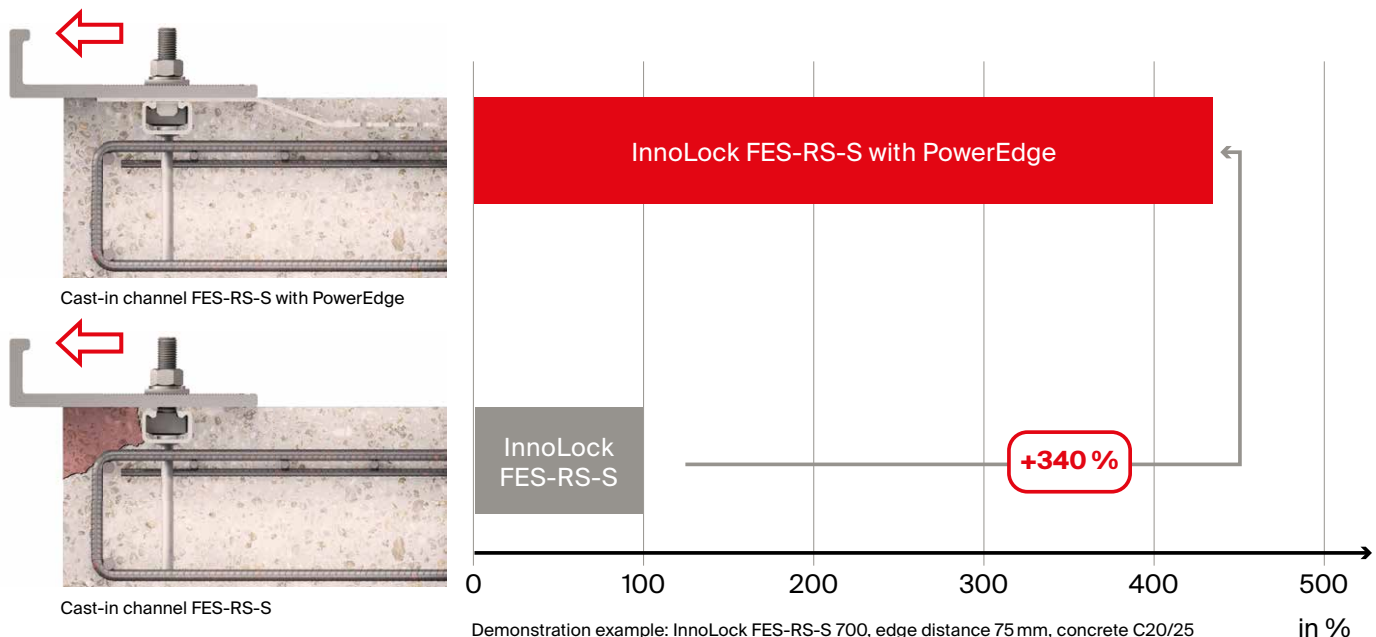
Increased design flexibility

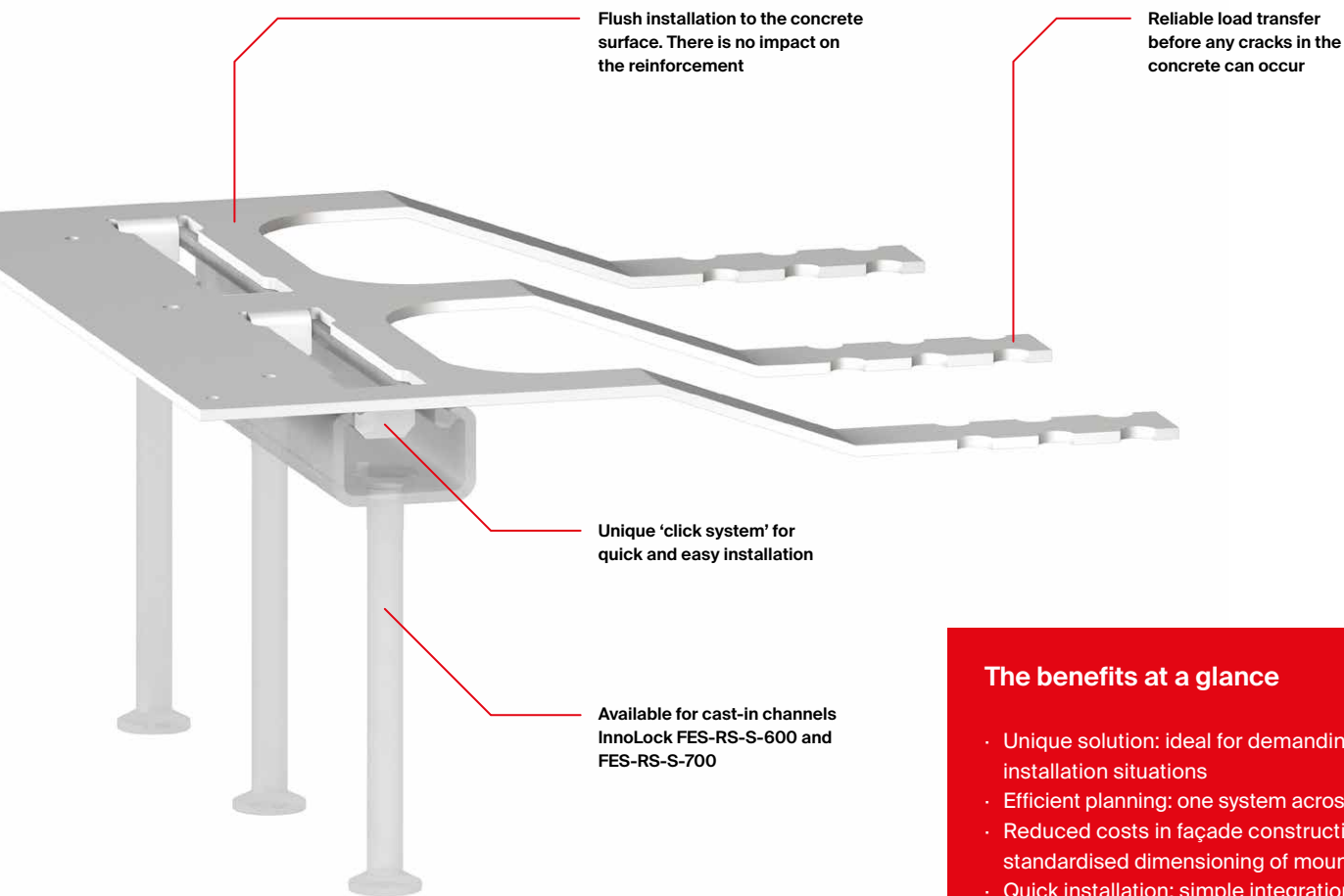
Thanks to its outstanding performance, the InnoLock PowerEdge makes planning tall buildings much easier. Even under high shear loads, no extra measures are required in the façade construction, such as re- dimensioning the façade brackets due to the larger edge distances of the cast-in channel. The same anchor channel types, façade mounting parts and edge distances can be used for all floors. The number of connection points also remains unchanged.

Safe load transmission

The InnoLock PowerEdge was designed so that the minimum edge distance between the cast-in channel InnoLock FES and the concrete edge is reliably maintained. The precise positioning ensures that the loads specified in the planning are effectively transferred.

The InnoLock PowerEdge increases the bearable shear force by 340% until concrete failure.



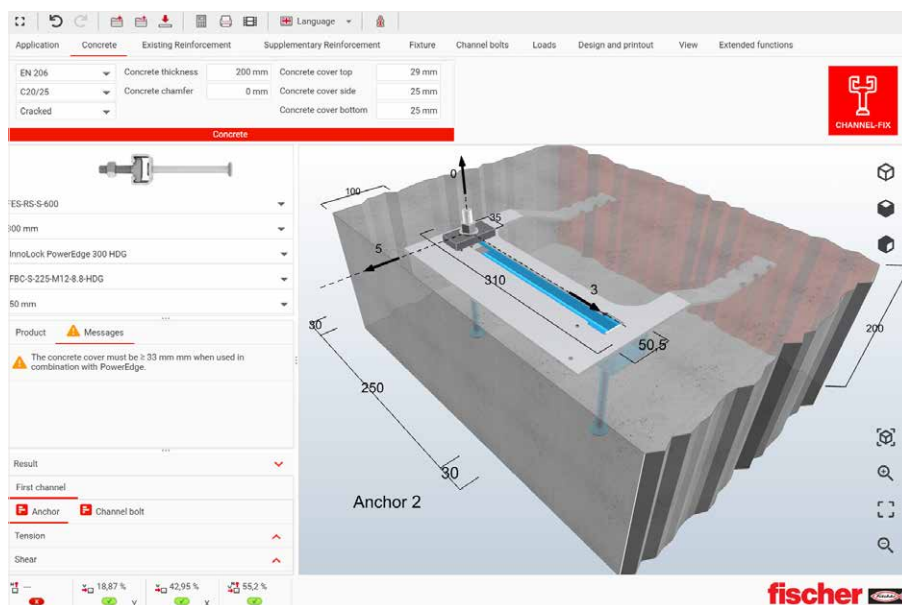


The benefits at a glance

- Unique solution: ideal for demanding installation situations
- Efficient planning: one system across all floors
- Reduced costs in façade construction: standardised dimensioning of mounting parts
- Quick installation: simple integration into existing reinforcement
- Safe load bearing: keeping edge distances reliably

Intuitive CHANNEL-FIX design software

Whether working online or offline, using CHANNEL-FIX – as part of the fischer FiXperience software family – you can design anchorages with cast-in channels InnoLock FES and InnoLock PowerEdge in reinforced concrete in no time at all.



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