

Ultimate performance with optimized profile geometry: PEC-TA-P

Technical Advantages

PEC-TA 40/22-P and PEC-TA 50/30-P channels redefine performance. With a significantly higher steel resistance of the channel lips, an optimized dimensioning and an improved anchor / channel connection, they achieve top performance.

- Up to 98% higher steel connection capacity under tension load
- Up to 148 % higher steel connection capacity under shear load
- Higher concrete cone capacities by increased effective embedment depth h_{ef}
- Improved connection strength by defined and controlled socket forming

Typical Applications

We recommend the use of hot-rolled cast-in channels for the following applications:

- Best solution for demanding curtain wall applications
- Fastening solutions for bridge construction
- Elevator construction where dynamic fastening solutions are required

Comprehensive ETA assessment with data for 2D, 3D loads and fatigue resistance

PEC-TA-P Premium Channel at a glance



Improved lip strength by optimized profile geometry

Exceptional connection strength by defined and controlled socket forming

Upgraded anchor strength by increased anchor diameter

Enhanced pull-out resistance by increased anchor head diameter

Higher concrete cone resistance by increased anchor length

Base Material



Concrete (non-cracked)



Concrete (cracked)

Load Conditions



Static/quasi-static



Static/2D loading



Static/3D loading



Fire resistance

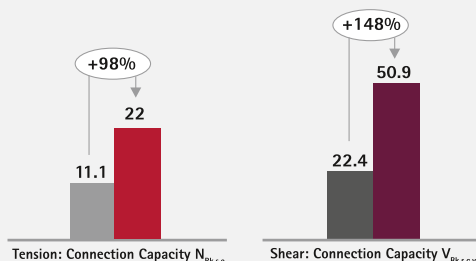


Fatigue

Design steel resistance [kN], examples:

- PEC-TA 40/22
- PEC-TA 40/22-P

- PEC-TA 50/30
- PEC-TA 50/30-P



Save up to 40% of material costs!

Due to an improved anchor/channel connection and significantly higher steel resistance, in many applications bigger channels can be replaced by smaller stronger PEC-TA-P channels.