

HAZ Anchor Channels - Introduction

HMPR-CE Anchor channels are rolled steel sections with pressed studs that are used for connections made to concrete structures.

This system allows simple, fast and secure fixations to structures such as concrete slabs, beams and columns. **HTB** T head bolts and **HMLN** lock nuts are used to allow convenient connections on to anchor channels.

The use of this system is applicable in a wide range of construction works.

Features of **HMPR-CE** anchor channels are as follows:

- Designed in accordance with the design rules of EOTA TR 047 and DIN EN 1992-4:2019
- Allow users working with low edge distances.
- Load resistances can be improved by using higher concrete strength class on loading.
- Shear and tensile resistance in concrete can be improved with additional reinforcement.

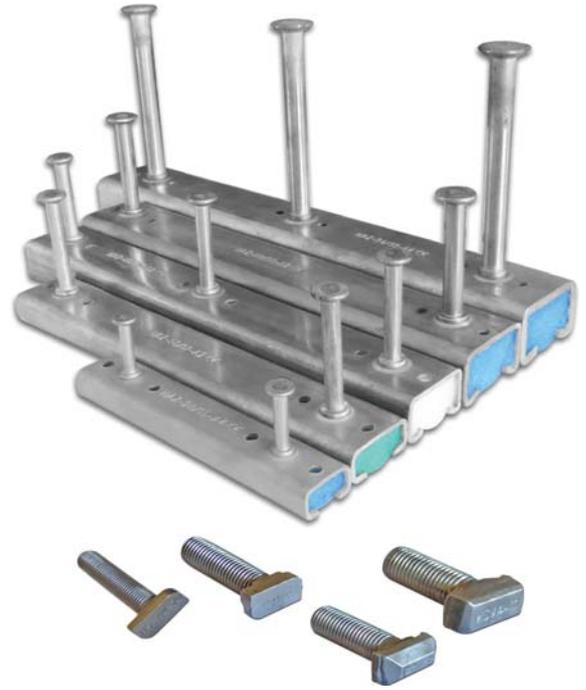
HMPR-CE Anchor channels are manufactured by HAZ Metal A.S. in Turkey with engineering and product development provided from its sister company in Germany, HAZ Deutschland GmbH.

Since 2004 HAZ Metal has built an effective product development system to increase the integrity of its products and production procedures.

HMPR-CE channels have been tested in IFBT Leipzig in accordance to the EOTA guidelines and have received good results. The **HMPR-CE** anchor channels have been awarded an ETA certificate as well as German national approval.

HMPR-CE anchor channels are specified and manufactured according to the following Q&A principles:

- Quality production with strict control according to European requirements.
- Periodic factory and production inspections carried out by third party authorized controlling body.
- Management and Service quality certified by ISO 9001:2015
- Euro code compatible design and product dimensioning using product selection software which is available upon request.
- Customized design & engineering is made in accordance to Eurocodes by HAZ Metal Technical department according to Eurocodes for offering solutions to meet special product requirements.



CE marking & (DoP)
Declaration of Performance



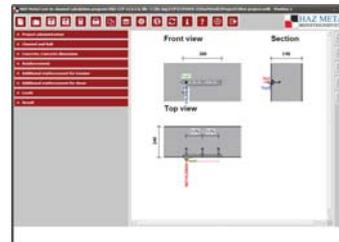
ETA European Technical Assessment
ETA-17/0549 & ETA-20/0698



High Fire Resistance



ISO 9001:2008 certified



• HAZ Channel selection software.

• Determination of load capacity with the HAZ dimensioning program

• Based on the EOTA design rule TR 047 and DIN EN 1992-4



• **HMPR** Cold rolled anchor channels

• **HMPR-S** Toothed, cold rolled anchor channels

• **HMPR-H** Hot rolled anchor channels

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Advantages

- No drilling on site
- Quick and easy fixing
- Fixing without damaging concrete
- Adjustable and flexible
- Safe near edges on concrete
- High load capacity
- Fixing without electrical tools
- Safe and secure fixing
- No dust particles falling onto facade
- No electricity needed
- Easy connections with T head bolts and lock nuts
- Compensation of tolerances of the structure
- Fixtures are removable and new fixing can be made

Planning

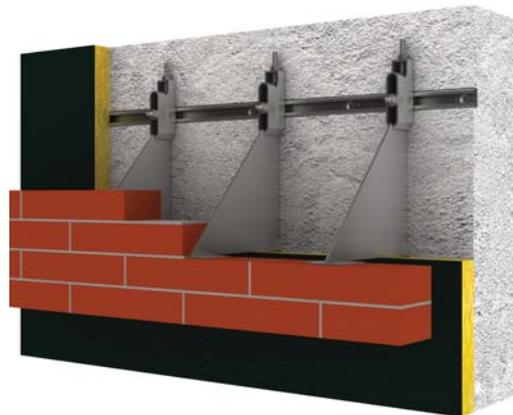
Careful planning needs to be done prior to concrete casting. Anchor channel types should be determined according to the load capacities, edge distances, area of applications etc. Anchor channel positioning should be incorporated in to the shop drawings of the form works in order to provide clear instructions for installation on site.

Applications

Anchor channels are widely used for the installation of curtain walls. Unitised panels with materials such as glass and natural stone already incorporated are pre-assembled in to the curtain wall panels. These panels are erected to the buildings elevation and are quickly and easily fixed on to the anchor channels using T head bolts and special brackets.



Brick walls are installed using special support brackets that are fixed on to the anchor channels using T head bolts. A continuous anchor channel embedded into the concrete wall provides high adjustability and enables quick installation of the masonry brackets. Anchor channels cover the load capacity requirements for the brickwork installation.



Anchor channels are used for a variety of construction applications which require attachments made on to concrete. Pipe and duct installation and the installation of electrical wiring are the most common applications that are made using anchor channels.

The prefabricated concrete industry is among the fastest growing fields within the construction industry. The use of anchor channels enhance the fast and economical solutions that are offered using prefabricated concrete panels. Speed and security are the benefits of using anchor channels.

