

QUALITY. CHOICE. PERFORMANCE.

HAC Anchor Channel Product Range



HAC TCRS anchor channels

Solution to your design challenges
TCRS is an innovative way of rollshaping. This leads to high performance under static, fatigue and seismic conditions.



HAC-C Hot-rolled anchor channels

Reliable and solid channels
Profiles with increased wall thickness and massive channel lips ensure high load resistance in 2 directions.



HAC-C Cold-formed anchor channels

Economic option
Cost-effective cold-forming process delivers a high precision channel with constant thickness of material throughout its profile.

LEADING PRODUCTS - EFFICIENT SERVICE

High quality anchor channels and efficient service are a prerequisite for making your construction project a success. Hilti delivers both. With Hilti by your side you can rely on quality products and professional support throughout the project.

- Product documentation: approvals, quality declarations and more
- Leading design software: PROFIS Anchor Channel
- Engineering support on- and off-site
- Hilti Online: product information, personal contacts and product orders
- Reliable logistics
- Jobsite training or on-site testing
- CAD product drawings



GUARANTEED PRODUCT QUALITY

Demand proof of performance

Hilti applies high quality standards to all of its products. Hilti HAC and HAC-C anchor channels, produced at our own facilities in Germany and China, are assessed and certified according to leading international standards.

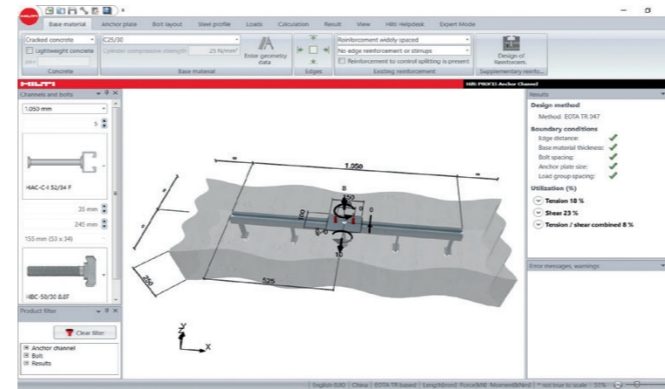


HILTI PROFIS DESIGN SOFTWARE

Efficient specification of anchor channels

Design calculations are based on the latest international design provisions e.g. Eurocode 2, EOTA TR 047 and ICC-ES AC232.

- Fast, flexible and user-friendly – based on the proven PROFIS application platform
- Well-structured calculation reports show design assessments in detail
- Choice of leading international design provisions



GLOBAL LOGISTICS

Keep your jobsite running

Our global logistics network enables us to deliver Hilti anchor channels and bolts to the site when and where they are needed. Hilti operates a proven logistics network system consisting of local, regional and global stocks.



TECHNICAL ADVICE

At your service

Hilti supports and advises you in all technical matters
Hilti supports and advises you on all technical matters. Our engineers are ready and willing to offer their advice, in the office or on the jobsite. For particularly complex designs, Hilti's local staff is backed by a central team of experts and a global competence network.



THE IDEAL SOLUTION FOR EVERY CONDITION

HAC Anchor Channel Product Range



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AS INDIVIDUAL AS YOUR NEEDS.

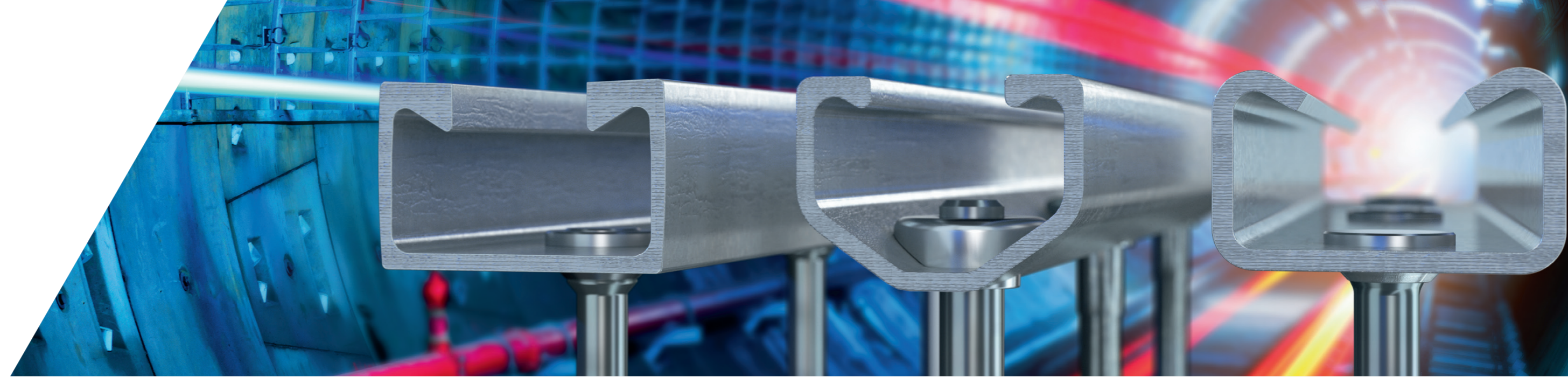
Hilti HAC Anchor Channel Portfolio

A specific application. A unique design condition. A particular country or regulatory framework. A certain combination of contractors and installers. Each distinct situation requires a product response that matches.

To better respond to the needs and requirements of different anchor channel applications, we have extended our anchor channel portfolio. You benefit from the famous Hilti quality paired with a unique choice of product technologies.

Hilti is the only global brand offering innovative TCRS produced, traditional hot-rolled, and cold-formed anchor channels. All come with approvals, certification and technical data in line with the latest and most rigorous standards.

All of this is backed by Hilti's unsurpassed services. Take advantage of a portfolio that is second to none – pick the products and services that match your needs!



SOLID CHANNELS – ESTABLISHED MANUFACTURING

Hot-rolled HAC-C anchor channels

Technical advantages

Hot-rolled anchor channels offer high load resistance and reliability. They are your safe bet and a quality choice.

- Massive, sturdy profiles with high load resistance
- Strengthened channel lips suitable for any load direction and high installation torques
- Hot-rolling reduces residual stresses to a minimum

Production

Hot-rolled channels are heated and shaped above the recrystallization point of the metal. This leads to an increased diffusion and distribution of chemical components in the steel.

The technology also allows the use of thicker materials than with cold-forming.

Typical applications

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

- Fastening of production equipment (e.g. machines, conveyer belts)
- Metro, railway or utility tunnels (e.g. fixing of catiever systems, supply pipes, signs, ventilation or support beams)

Hot-rolled anchor channels product overview

Hot-rolled Anchor Channels	HAC-C-T 29/20*	HAC-C 40/22	HAC-C 50/30	HAC-C 52/34*	Approvals
					 European Technical Assessment (ETA) Fire
Anchor Channel Bolts	HBC-T 29/20	HBC-40/22	HBC-50/30	HBC-50/30	
Material	HDG ≥ 50 µm,	HDG ≥ 50 µm, Stainless A4	HDG ≥ 50 µm, Stainless A4	HDG ≥ 50 µm, Stainless A4	
Load Direction	3 D	2 D	2 D	2 D	
Anchor Channel Type	serrated & curved	standard	standard	standard & curved	

*HAC-C-T 29/20 and HAC-C 52/34 are tested as per TB 3329 guidelines in China for fatigue. HAC-C T29/20 is not ETA approved.



Hot-rolled channels are perfect for railway, metro or utility tunnels.



Fixing of signs or supply pipes in tunnel structures.



Reliable fixing of production equipment.

THE SOLUTION FOR TOUGH DESIGN CHALLENGES

Temperature Controlled Roll-Shaping (TCRS)

Technical advantages

TCRS produced HAC anchor channels should be your preferred option when it comes to challenging designs. They feature sturdy channel lips and a full set of certificates issued by the leading authorities.

- Cleaner production technology saving 25% energy
- Best performance-to-weight ratio
- Approved for static, fatigue, seismic and fire loading
- High precision manufacturing
- Customization options

Production

TCRS is an innovative way of roll-shaping. Metal sheets can be bent and strengthened during the process.

TCRS enables the production of geometries similar to those of hot-rolled channels, but with higher precision. TCRS produced anchor channels offer the best performance-to-weight ratio.

Typical applications

We recommend using TCRS produced anchor channels in challenging environments where reliable performance is essential:

- Curtain wall facades (e.g. fixing curtain wall elements with brackets)
- Elevators (e.g. fixing guiderails, sliding doors or divider beams)
- Building appliances (e.g. heating, ventilation)
- Power plants
- Projects with high environmental standards

TCRS produced anchor channels product overview

TCRS produced Anchor Channels	HAC-30	HAC-40	HAC-50 HAC-T50	HAC-60	HAC-70 HAC-T70	Approvals
						 European Technical Assessment (ETA) ICC Evaluation Report (US) Fatigue Fire Seismic
Anchor Channel Bolts	HBC	HBC	HBC	HBC	HBC	
Material	HDG ≥ 55 µm	HDG ≥ 55 µm	HDG ≥ 55 µm	HDG ≥ 70 µm,	HDG ≥ 70 µm	
Load Direction	2 D	3 D	3 D	3 D	3 D	
Anchor Channel Type	serrated	standard	serrated & standard	standard	serrated & standard	



A safe and economic solution for dynamic loads in curtain wall construction.



Pre-installation of anchor channels increases the efficiency and safety on construction sites.



Designed and approved for dynamic loads, e.g. for for elevator installation.

RELIABLE AND ECONOMIC CHANNEL OPTION

Cold-formed anchor channels

Technical advantages

Cold-formed anchor channels are the preferred solution when it comes to most competitive product costs. They are suitable for static loads in the direction of tension or perpendicular shear:

- Rounded profiles with constant thickness of material
- Good surface finish
- Economic production
- For static tension and shear loads in two dimensions

Production

The metal sheet is folded under ambient temperature – featuring constant thickness throughout the entire profile. This leads to low consumption of material and energy.

Typical applications

Typical applications are connection of concrete elements, connection of concrete to brick walls, stadium seating and fixing of lightweight building appliances to ceilings.

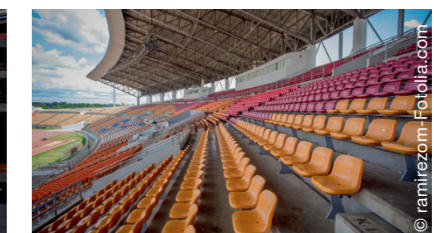
- Building appliances (e.g. ventilation, heating)
- Stadium seating
- Precast components

Cold-formed anchor channels product overview

Cold-formed Anchor Channels	HAC-C 28/15	HAC-C 38/17	HAC-C 40/25	HAC-C 49/30	HAC-C 54/33	Approvals
						 European Technical Assessment (ETA) Fire
Anchor Channel Bolts	HBC-28/15	HBC-38/17	HBC-40/22	HBC-50/30	HBC-50/30	
Material	HDG ≥ 50 µm, Stainless A4	HDG ≥ 50 µm, Stainless A4	HDG ≥ 50 µm, Stainless A4	HDG ≥ 50 µm, Stainless A4	HDG ≥ 50 µm, Stainless A4	
Load Direction	2 D	2 D	2 D	2 D	2 D	
Anchor Channel Type	standard	standard	standard	standard	standard	



Easy connection of concrete elements.



Flexible installation of stadium seating.



Fixing building appliances.