



# Halfen HTA-CE Anchor and HS Bolt

## Building Product Information Sheet

HALFEN HTA-CE anchor channels are cast-in concrete fixings. The HTA-CE anchor channel consists of a C-shaped steel channel profile with at least two metal anchors non-detachably fixed on the channel back. HALFEN HTA-CE channels are made from carbon steel channel profiles or from stainless steel channel profiles. A range of profile sizes is available, and channels are made to different lengths. Durability of carbon steel channel is achieved by a hot-dip galvanised coating. Products are identified by reference to the channel type and size (e.g. HTA-CE 52/34).

The anchor channel is embedded surface-flush in the concrete. HALFEN HS channel bolts with appropriate hexagon nuts and washers are fixed to the channel.

HALFEN HS bolts are manufactured with a T-shaped head from carbon steel or stainless steel. Durability of carbon steel bolts is achieved by a zinc plated or hot-dip galvanised coating. Products are identified by reference to bolt type, diameter and length (e.g. HS 50/30 M16 x 80).

HTA-CE anchor channels and HS anchor bolts are used as anchorage in concrete

### Composition

- HALFEN HTA-CE channels are made from carbon steel channel profiles or from stainless steel channel profiles. HS bolts are made from carbon steel or stainless steel.

### Supporting documentation

- Full product details, including installation guidelines, are presented in supporting technical documentation. See: Halfen Cast-In Channels. Available from: <https://www.ancon.co.nz/downloads/technical-literature>

### Product Identifier

- HTA\_\_ / \_\_\_, HS\_\_ / \_\_ \_

### Relevant Building Code clauses:

- Clause B1 Structure - B1.3.1, B1.3.2, B1.3.3, B1.3.4
- Clause B2 Durability - B2.3.1 (a)
- Clause F2 Hazardous Building Materials - F2.3.1

### Contributions to Compliance:

Clause B1 and B2 Structure

- Refer to Halfen anchor channel HTA European Technical Assessment ETA-09/0339, available from: <https://www.ancon.co.nz/products/halfen-anchor-channels>
- Refer also to ICC-ES Evaluation Report ESR-1008, available from: <https://icc-es.org/evaluation-report-program/dsa-and-oshpd-reports-directory>

Clause F2 Hazardous Building Materials

- The HALFEN HTA-CE anchor channel and HS anchor bolt meet the performance requirements under Clause F2.3.1.

### Manufacturer and Importer Details:

Place of Manufacture:	Overseas
Manufacturer (1):	Leviat GmbH, Liebigstrasse 14, 40764 Langenfeld, Germany
Manufacturer (2):	CRH Consulting (Shanghai) Co. Ltd.*  Unit 1001-5, Office Tower, Capital Square, No. 268 Hengtong Road, Jing'an District, Shanghai, China *
Importer Name:	Leviat New Zealand Limited
Importer Address:	246D James Fletcher Drive, Otahuhu, Auckland, 2024
Importer Website:	<a href="http://www.leviat.com/en-nz">www.leviat.com/en-nz</a>
Importer Email:	<a href="mailto:info.nz@leviat.com">info.nz@leviat.com</a>
Importer Phone:	+64 9 276 2236
Importer NZBN:	9429031339056

\*CRH Consulting (Shanghai) Co. Ltd. oversee the supply of product manufactured in China to Leviat specifications. Conformance of HTA and HS manufactured in China to ETA-09/0339 is demonstrated in MPA NRW Certificate of constancy of performance 0432-CPR-00521-02. Certificate available from Leviat.

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### Limitations on use:

- Use of coated carbon steel or stainless steel anchor channels and channel bolts in exterior conditions or damp environments is the responsibility of the designer. Guidelines helpful to the preparation of the durability assessment necessary to the use of channels and bolts in environments subject to different conditions are presented in Chapter 1 of the supporting technical documentation and NZS 3101, Clause 3.13.

### Design requirements to support appropriate use:

- HALFEN HTA-CE anchor channels and HS anchor bolts shall be used subject to the specific engineering design of a Chartered Professional Engineer in accordance with Chapter 17 of NZS3101, and European Technical Assessment ETA-09/0339.

### Installation requirements:

- HALFEN HTA-CE anchor channels and HS anchor bolts shall be installed by a competent contractor in accordance with Leviat installation guidelines and the specific engineering design and guidance of the designer.
- Installation guidelines are available in the supporting technical documentation.

### Maintenance requirements:

- Maintenance of channels and bolts shall be in accordance with the design and durability assessment of the designer. Maintenance of channels and bolts installed in interior, dry and protected environments will not normally be required during the expected life of the channel and bolt.

### Warning or ban:

- This product is not subject to any warning or ban under section 26 of the Building Act 2004.