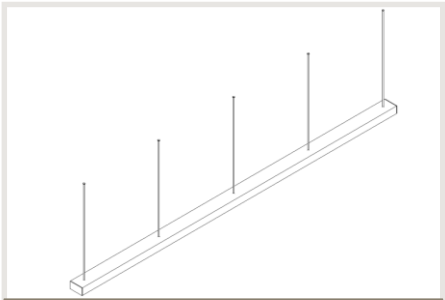
BIM CONTENT



ANC_anchorchannel_HAC-C-P

Family names for cast-in anchor products

- Hilti_ANC_anchorchannel_HAC-C-P 50-30.rfa
- Hilti_ANC_anchorchannel_HAC-C-P 40-22.rfa

General note

The goal for this **Hilti BIM-Revit Instruction Set** is to **provide a quick guidance & explanation** for anyone using Hilti's BIM-Revit content. This should lead to an easy and intuitive way of modelling projects with Hilti components.

Targeted users

for the Hilti Revit-content are **installers & planers involved in applications** for:

- Installation products (such as modular supports systems, HVAC supports & hangers),
- Fire Safety products (like sleeves, collars & blocks),
- Fastener products (like screws, expansion anchors & anchor channels).

Items covered by content-type

1. Placing method within design environment
2. Explanation relevant constraint parameters
3. Error/warnings
4. Visibility
5. Explanation Hilti Shared parameters

Legend

[…] = name of the parameter used in the family

Burgundy text = the value of the parameter

→ *Function* = name of a button or command

Symbols:

face based object | Identity Data included | weight included | warning embedded | incl. marker points

For your notice

Hilti Revit-families are **digital objects to be used for modeling** in a native design environment of Autodesk Revit®. Autodesk Revit® is a registered trademark and therefore the legal restrictions have to be considered. Hilti Revit-families are covering a certain level of detail (LOD 300) to evaluate on clashes and on the dimensions within BIM for an intended use of a product.

CAUTION

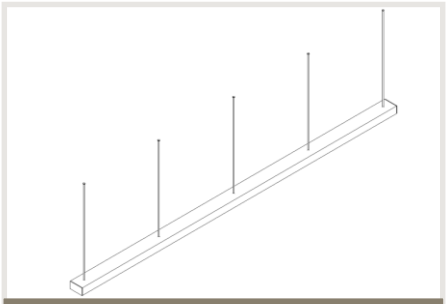
This digital object is not covering all details of it´s physical product items. Geometries and configurations may variy to the physical product described.

NOTICE Please read carefully and make yourself familiar with the instructions for use (IFU) of this product before you use the digital object in any design environments. The digital object does not contain the neccessary calculations for the intended use of products.

Data Rich Content

- Bill Of Materials can be generated by inserting a prepared Hilti Schedule
- OmniClass number (Table 23 - Products) have been assigned to all families
- Product and Article information is secured in all families making them reliable in a project workflow
- Essential chapters of the Revit Standards Foundation have been implemented for all families such as subcategories and general parameters
- Content is basically IFC compliant (both 2.3x and 4.0) by IfcExportAs and IfcExportType parameters

BIM CONTENT



ANC_anchorchannel_HAC-C-P

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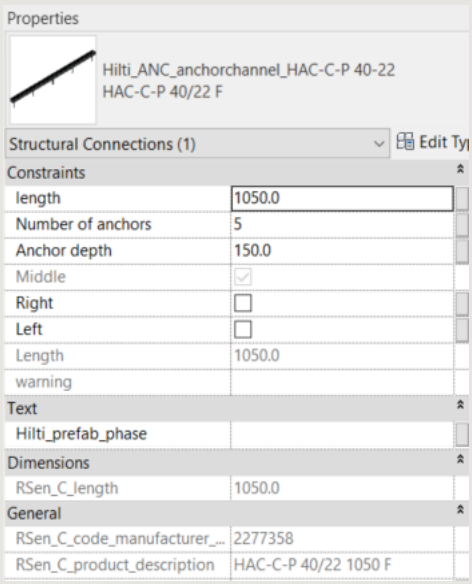
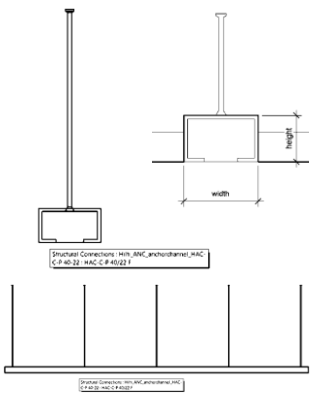




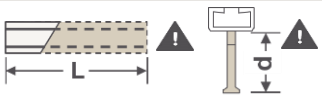
v1.01

Naming convention ANC_anchorchannel_HAC-C-P [hot_rolled]:

- Profile width / profile height [e.g. 50-30]
- A4 = stainless
- F = hot dipped galanized

→ *Spacebar* to rotate the object by 90 degree around the insert point on the host it´s been placed.

Generic

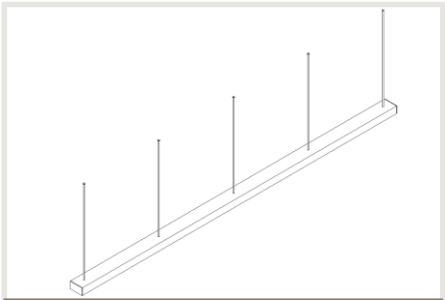


Constraints

Reference of provided Hilti family properties

length (L)	Define length of the anchorchannel object within range
Number of anchors (n)	Define number of anchors for the object within range
Anchor depth (d)	Define anchor depth (d) within product range
Right	☑ Activate, to set the start point of the object to the right end of the anchorchannel (will deactivate [middle])
Left	☑ Activate, to set the start point of the object to the left end of the anchorchannel (will deactivate [middle])
Middle	Default pre-defined start/placing point of the anchorchannel object
warning (!)	(L) …if exceeding maximum product range for [length] (n) …if exceeding maximum number of anchors (d) …if exceeding maximum anchor depth …if both options [left] and [right] are activated concurrently
Text …Hilti_prefab_phase	Define tag prefab phase for project / logistics management
General…	
…[RSen_C_code_manufacturer_product]	Implemented to generate proper Schedules/Quantities (e.g. Bill Of Material)
…[RSen_C_product_description]	Implemented to generate proper Schedules/Quantities
Dimensions …RSen_C_length	Implemented to generate proper quantities take off

HOW TO: ANCHOR CHANNEL HAC-C-P



ANC_anchorchannel_HAC-C-P

Step: Product data and calculation

PROFIS Anchor Channel

Please make sure that the data and results of Hilti PROFIS Anchor Channel must be checked for agreement with existing conditions and for plausibility, before placing any object in your BIM modelling environment.

Step: Placement

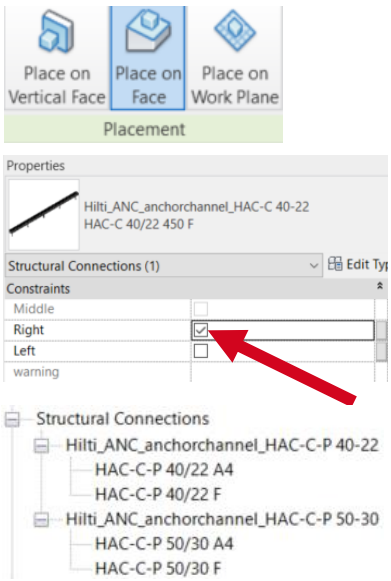
Placing the Anchor Channel (Structural Connections) can be done in a 3D view or in a floor plan to a host object using → *Place on Face* (best option), → *Place on Vertical Face* or → *Place on Work Plane.*

The insert point of the family can be chosen as [Middle], [Left] or [Right] as implemented in → *Properties*.

[family category] = Structural Connections

→ *Spacebar* to rotate the anchor channel object by 90 degree around the insert point on the host it´s been placed.

If → *Place on Work Plane* used, you must use → *Flip Work Plane* to correct the orientation.

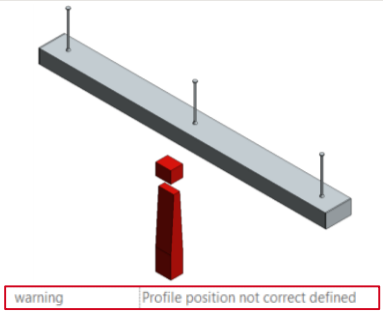


Step: Configuration of Constraints

When the profile position is not defined correctly, e.g. [Left] and [Right] concurrently, a warning text will appear. Also an exclamation mark is shown in 3D.

Warning

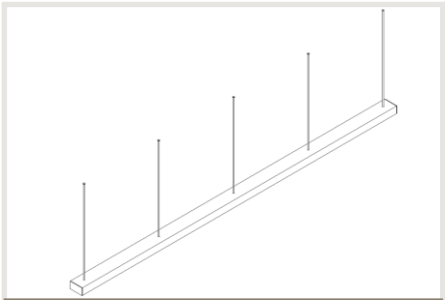
A warning text appears, if both options [left] and [right] are activated.



Additional Information

Material of the element is set (predefined) within Type Properties. These values have already been assigned while loading the family/types into a project.

HOW TO: ANCHOR CHANNEL HAC-C-P

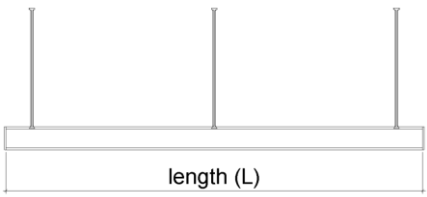


ANC_anchorchannel_HAC-C-P

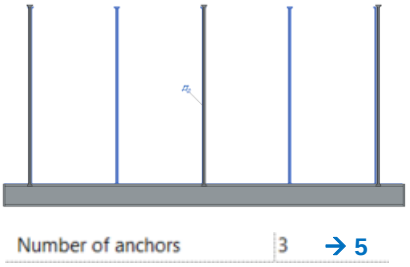
Step: Configuration of Constraints

Define your selected product configuration by entering the constraints according to → *IFU*:

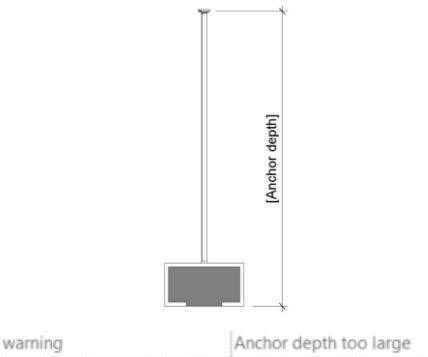
- [length]



- [Number of anchors]



- [Anchor depth].



Warning

A warning text appears, if the attributes are exceeding their defined product range. Also an exclamation mark is shown in 3D.

Additional Information

To see HAC-C-P family for coordination with Hilti_INS_channel or other objects, the MEP view must be set to discipline [Coordination] and also have an →*Underlay* activated with the view orientation → *Look Up.*