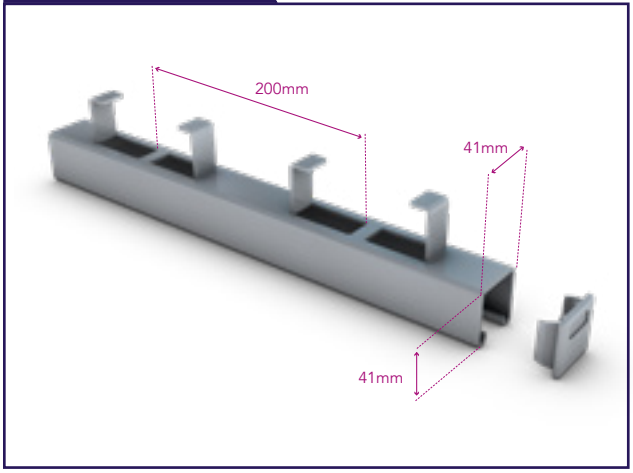
Deep Intelok Concrete Insert

Steel Framing Deep Concrete Inserts are manufactured from 2.5mm, 41 x 41 deep channel with securing lugs at 200mm centres.

Ref. IC-CON-D



Loading Data - Concrete Inserts

Loading Condition	Deep Channel
Safe Working Load per 200mm module	670kg
Safe Working Load per metre length	3350kg
Safe pull-out load on channel lips	1000kg
Safe shear load - M10 fixings	1392kg
Safe shear load - M12 fixings	2023kg

Part Number
IC-CON-D-☐-⬡

Finishes & Materials: GM SS

☐ = Select a Channel Length* ⬡ = Select a Finish

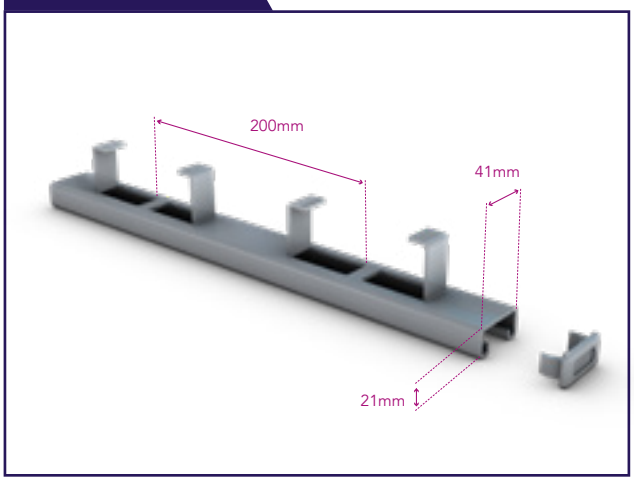
Loading data is based on concrete with a crushing strength of 33N/mm² and a factor safety of 2.

Steel Framing Deep Concrete Inserts are available in standard lengths of 3m. For lengths other than the standard 3 metres, quote the required length in mm up to 3m (must be divisible by 200).

Intelok Shallow Concrete Insert

Steel Framing Shallow Concrete Inserts are manufactured from 2.5mm, 41 x 21 shallow channel with securing lugs at 200mm centres.

Ref. IC-CON-S



Loading Data - Concrete Inserts

Loading Condition	Deep Channel
Safe Working Load per 200mm module	400kg
Safe Working Load per metre length	2000kg
Safe pull-out load on channel lips	1000kg
Safe shear load - M10 fixings	1392kg
Safe shear load - M12 fixings	2023kg

Part Number
IC-CON-S-☐-⬡

Finishes & Materials: GM SS

☐ = Select a Channel Length* ⬡ = Select a Finish

Loading data is based on concrete with a crushing strength of 33N/mm² and a factor safety of 2.

Steel Framing Shallow Concrete Inserts are available in standard lengths of 3m. For lengths other than the standard 3 metres, quote the required length in mm up to 3m (must be divisible by 200).

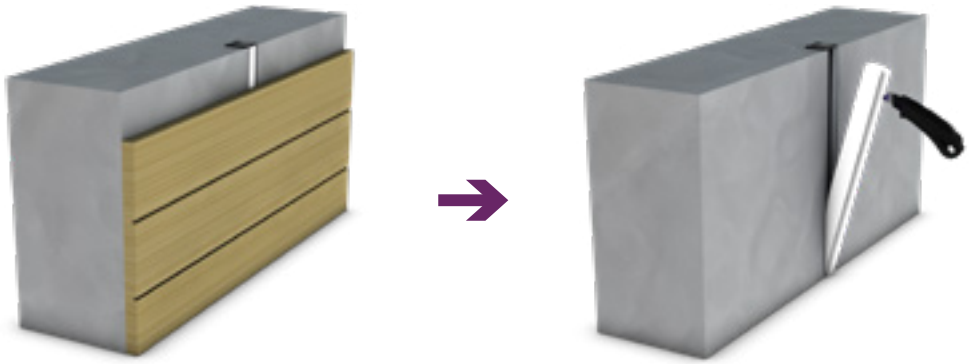
The Concrete Insert above is shown with Protective End Caps. Vantrunk highly recommends the use of Protective End Caps as the cap prevents the ingress of concrete slurry into the insert during installation. (Order Separately for End Caps Page 188).

Intelok Steel Framing Concrete Insert Installation Instructions:

STEP 1: FIXING TO SHUTTERING

Fix the Concrete Insert to the shuttering by nailing through the slots created by the anchor lugs. Fit end caps as necessary to the open ends of the concrete insert. The anchor lugs can be wired onto reinforcement mesh as required to increase the strength of the finished assembly.

STEP 2: REMOVING THE INFILL



After pouring of concrete & removal of the shuttering, remove the polystyrene infill using a knife to cut through the two continuous groves in the infill. Remove the nails.

STEP 3: INSERTING THE QUICKFIT ASSEMBLY

QF

Vantrunk Quickfit Brackets-Cantilevers are simply inserted into the channel. When the hexagon set screw is rotated through 90° degrees the channel nuts turn into the correct position, it is then easily tightened by a spanner. This saves approximately two thirds of the time taken when using the conventional method of spring channel nuts etc.

The Quickfit assembly can be adjusted along the channel to the desired position before tightening the fixing bolt.

The Vantrunk Intelok Concrete Inserts are also compatible with the conventional style of spring channel nuts.

STEP 4: FINISHED INSTALLATION