

## Installation Guide KSN Anchor

This installation instruction covers all KSN Anchors as listed in the table below. For the design of KSN Anchors please refer to the KSN Anchor brochure available on [www.ancon.com.au](http://www.ancon.com.au).

**Table 1 – Ancon KSN Anchor Range**

Product Reference	Anchor Length (mm)	Metric Thread
KSN12S	115	M14 x 2.0
KSN12M	150	
KSN16S	130	M20 x 2.5
KSN16M	160	
KSN16L	190	
KSN20S	150	M24 x 3.0
KSN20M	190	
KSN20L	230	



### 1 Installation of KSN Anchors with Nail Plates

For individual KSN Anchors that are installed to the edge or bottom of timber formwork it is recommended to use Ancon NP Nailing Plates to attach the KSN Anchor to the formwork. It is recommended to fix the foot of the KSN Anchor to the reinforcement to avoid displacement.

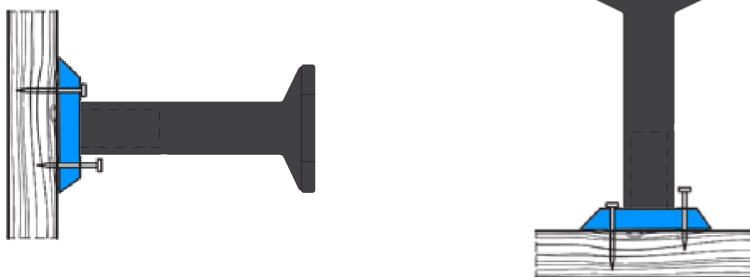
**Table 2 – Ancon Nailing Plate Range (Product Code NP)**

Thread	M14	M20	M24
Product Code	NP14	NP20	NP24
Colour	Orange	Blue	Yellow

1. Attach the nailing plate to the KSN Anchor



2. Nail the KSN Anchor to the formwork



## 2 Concrete Placement



Special care is required during the compaction of the concrete around the KSN Anchor to avoid honeycombing and voids around the foot of the Threaded Insert.

## 3 Reinforcement Bar Installation

Screw in the reinforcement bar, with Ancon BT type A thread, into the KSN Anchor and then tighten using a wrench. No more than 2mm of thread should be left exposed on the bar.

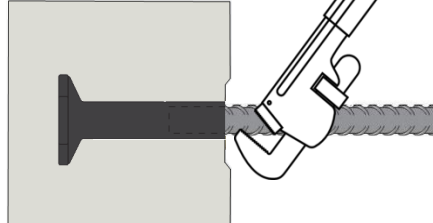
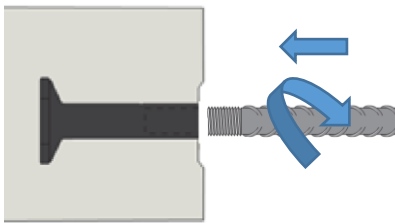


Table 3 – Relevant BT Thread to KSN Anchors

Product Reference	Relevant BT Thread
KSN12S KSN12M	BT12 Type A
KSN16S KSN16M KSN16L	BT16 Type A
KSN20S KSN20M KSN20L	BT20 Type A



To ensure structural integrity of the connection, any actions, such as on-site bending, which induce cold working of the bar in the threaded region are to be strictly avoided.

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