

# Series 311 Hard Anodize Inserter/Extractor

## CATALOG NUMBER

**HA311-TC**



The rugged Series HA311 was designed in accordance with VITA 48.4 and 48.2 to provide up to 10:1 mechanical advantage for insertion and extraction of printed circuit boards with high density connector contacts. The integrated spring provides positive pressure on connectors during Card Lok actuation and consistent self-compensation for board tolerances. The Series 311-TC is ideal for 2nd level maintenance; can be operated with a gloved hand and no specialized tools are required.

⚠ WARNING: This product can expose you to chemicals including Chromium (hexavalent compounds), which is known to the State of California to cause cancer and reproductive health issue. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## FEATURES

Integrated latching mechanism

Custom silkscreen available

Provides self-compensation for board tolerances

Compliant with 2nd level maintenance; can be operated with a gloved hand, no specialized tools are required

Designed in accordance with VITA 48.4 and 48.2

Maintains positive pressure on connectors during Card Lok actuation

## PRODUCT ATTRIBUTES

Product Type: PCB Inserter/Extractor

With Pin: No

Material: Aluminum Alloy 6061-T6

Finish: Hard Black Anodized

Design Feature: Tolerance Compensating

## ADDITIONAL PRODUCT DETAILS

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From time to time, nVent may modify its product specifications to be in conformity with applicable industry, military or other relevant standards. Unless otherwise mutually agreed in writing, cancelled or superseded military specifications may be certified to the latest or superseding specifications. Products manufactured in conformity with such specifications will be deemed fully compliant whether or not you have been notified of such modifications, even if different from the original specification or those referenced by the customer.

## WARNING

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nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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