

# High Force 311 Inserter/Extractor

## CATALOG NUMBER

**HF311-TC**



The HF311 Series was designed in accordance with VITA 48.4 and 48.5 to provide up to 20:1 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 HF311-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

Designed in accordance with VITA 48.4 and 48.5 specifications

Maintains positive pressure on connectors

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

Provides self-compensation for board tolerances

Integrated latching mechanism

Custom silkscreen available

## 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

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 Unless otherwise mutually agreed in writing, cancelled or superseded military specifications may be certified to the latest or superseding specifications.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

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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