Seismic bracing products for mechanical, electrical & plumbing systems
Eaton and Cooper united.

Energizing a world that demands more.

Discover today’s Eaton.

Powering business worldwide

As a global diversified power management company, we help customers worldwide manage the power needed for buildings, aircraft, trucks, cars, machinery and businesses.

Eaton’s innovative technologies help customers manage electrical, hydraulic and mechanical power more reliably, efficiently, safely and sustainably.
We deliver:

- **Electrical solutions** that use less energy, improve power reliability and make the places we live and work safer and more comfortable

- **Hydraulic and electrical solutions** that enable machines to deliver more productivity without wasting power

- **Aerospace solutions** that make aircraft lighter, safer and less costly to operate, and help airports operate more efficiently

- **Vehicle drivetrain and powertrain solutions** that deliver more power to cars, trucks and buses, while reducing fuel consumption and emissions

We provide integrated solutions that help make energy, in all its forms, more practical and accessible.

With 2012 sales of $16.3 billion, Eaton has approximately 103,000 employees around the world and sells products in more than 175 countries.

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**Eaton’s electrical business**

Eaton is a global leader with expertise in:
- Power distribution and circuit protection
- Backup power protection
- Solutions for harsh and hazardous environments
- Lighting and security
- Structural solutions and wiring devices
- Control and automation
- Engineering services

Eaton is positioned through its global solutions to answer today’s most critical electrical power management challenges. With 100 years of electrical experience behind us, we’re energized by the challenge of powering up a world that demands twice as much energy as today. We’re anticipating needs, engineering products, and creating solutions to energize our markets today and in the future.

We are dedicated to ensuring that reliable, efficient and safe power is available when it’s needed most.

[Eaton.com](http://Eaton.com)
Introduction

For over 45 years, the TOLCO™ brand has been synonymous with innovative, labor saving pipe hanger and seismic bracing solutions. And now together, as a brand of Eaton’s B-Line Business, we deliver a comprehensive seismic bracing product offering.

TOLCO Seismic Bracing products are designed with three key features in mind, labor savings, visual verification and universal applications.

TOLCO Seismic Bracing Key Features

- **Labor Savings**
  TOLCO seismic products help customers save time and cost during installation.

- **Visual Verification**
  Many TOLCO products designed with features such as break-off bolts or nuts, to signal to the installer that required installation torques has been achieved. Without this type of visual feedback, an installer would need a torque wrench or other means to ensure proper installation torque has been achieved. This feature also aides in the inspection and certification of products once installed, to sign off on completion of a project.

- **Universal Applications**
  We strive to continue to provide solutions that serve universal applications. For example, our Fig. 981 is designed to fit multiple rod sizes; and our Fig. 828 which is designed to fit a variety of structural steel shapes and sizes.

Product Offering

To assist our customers, this catalog is laid out by type of seismic bracing products and their function.

- **Structural Attachments**
  Provide anchorage for a seismic brace assembly to various types of structures including steel beams, concrete or wood

- **Transitional Attachments**
  Connect the structural attachment to the brace member, either strut or pipe

- **System Attachments**
  Attach the brace member to the system being braced (mechanical, electrical or plumbing) along with various components used to increase the rigidity of the system itself (for example: spacers and rod stiffeners)

- **KwikWire™ Systems**
  Effective brace or restraint product for light loads

- **VIBRA-TROL™ Isolation Products**

Product Certifications

Many of the products shown in this catalog are certified with the following:

- Listed by Underwriters Laboratories (UL) in U.S. and Canada
- Factory Mutual Engineering Approved (FM)
- Pre-approved by the State of California, Office of Statewide Health, Planning and Development (OSHPD) as shown in our OPA-0300 and OPA-0300-10 Seismic Bracing Guidelines

For more information on our pipe hangers, supports and seismic bracing solutions utilized in other applications, such as mechanical or plumbing systems, please refer to our Pipe Hangers & Supports and Strut Systems catalogs, and the State of California OSHPD Pre-Approved Seismic Restraint Guidelines OPA-0300. These resources and other valuable information can be found online at [www.cooperbline.com/tolco](http://www.cooperbline.com/tolco).
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* C & P is Carpenter & Paterson

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**Eaton’s B-Line Business**

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Building Codes, Standards and Guidelines

TOLCO Seismic Restraint Guidelines* are designed to meet or exceed the requirements of the following:

- 2013 California Building Code (CBC 2013)
- 2010 California Building Code (CBC 2010)
- 2001 California Building Code (CBC 2001)
- 2012 International Building Code (IBC 2012)
- 2009 International Building Code (IBC 2009)
- American Society of Civil Engineers (ASCE7) 2010
- American Society of Civil Engineers (ASCE7) 2005

* Where there is a conflict in requirements between these guidelines and above mentioned codes, the more stringent requirements shall prevail.
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