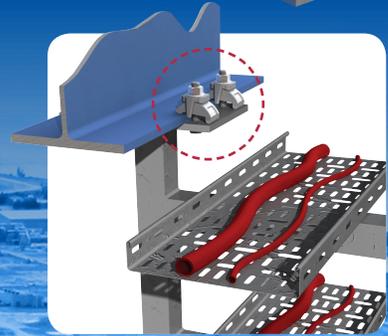
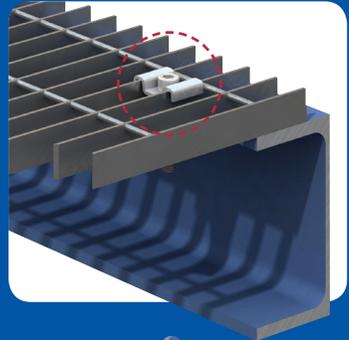


Steel-to-steel connections for the

POWER INDUSTRY

by **lindapter**[®]



To request the full product catalog, call **866 566-2658 (BOLT)** or visit www.LindapterUSA.com

Proven Solutions

For over 80 years, Lindapter has pioneered the design and manufacture of steel-to-steel connections, providing a faster and safer alternative to drilling or welding in the field. Lindapter products are used worldwide on new build, refurbishment and decommissioning power projects.

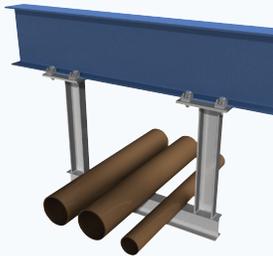


Typical Connection Applications

Pipe Supports

(Page 4)

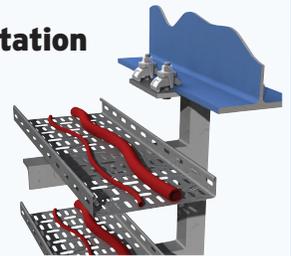
Quickly and precisely align heavy duty pipework with Lindapter's highly adjustable connections.



Electrical & Instrumentation

(Page 4)

Versatile connections that allow cable management systems to be easily set up without drilling or welding.



HSS (Hollow Structural Sections)

(Page 5)

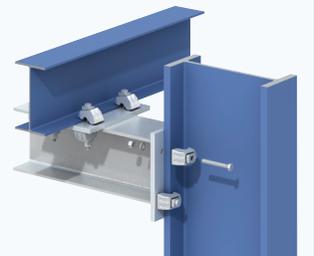
Hollo-Bolt is the original structural steel expansion bolt which only requires access from one side.



Steel-to-Steel Connections

(Page 5)

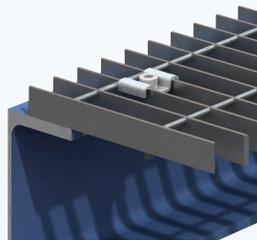
High strength connections without welding, drilling or damaging the steel.



Steel Flooring

(Page 6)

Lindapter's floor connections quickly secure metal plate flooring or grating to the supporting steel.



Material Handling

(Page 6)

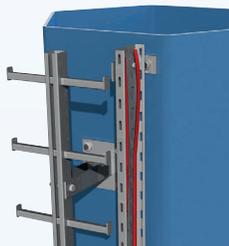
Adjustable products for attaching overhead cranes and lifting equipment, conveyors and rail systems.



Monopoles & Lattice Towers

(Page 7)

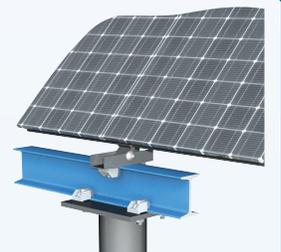
Solutions for connecting reinforcement modules, electrical systems and access equipment.



Solar Arrays

(Page 7)

Fastening solar panel systems to supporting frames has never been easier due to Lindapter's adjustable clamps.



Reasons to use Lindapter Connections



Safer installation



Save time and money



High strength



Vibration resistance

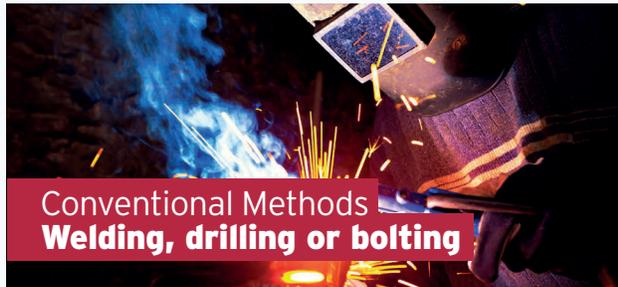


Adjustable



Independent product approvals

Conventional Methods vs The Lindapter Method



Conventional Methods Welding, drilling or bolting

- ✗ No adjustability without additional work, e.g. repeated tack welding and grinding
- ✗ Damage to steel and coatings
- ✗ Time consuming
- ✗ Power source required
- ✗ Requires skilled workforce and specialist equipment
- ✗ Requires hot work permits and results in area closures

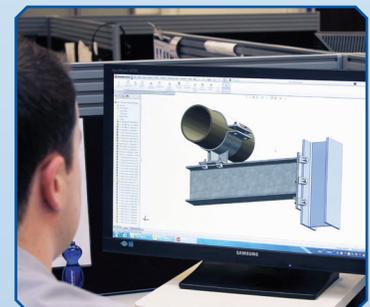


Lindapter Method Steel clamping

- ✓ Fast installation and lower labor costs
- ✓ Adjustable for precise alignment
- ✓ Steel is undamaged, maintaining strength and corrosion protection
- ✓ Power not required so all areas are accessible
- ✓ Installation requires hand tools only, reducing labor and equipment costs
- ✓ No hot work therefore permits are not required!

Free Connection Design

Lindapter's experienced Engineers can advise a suitable solution for you free of charge, providing drawings in 2D or interactive 3D formats as well as CAD files that can be imported into all major software applications. Send your requirements to support@LindapterUSA.com

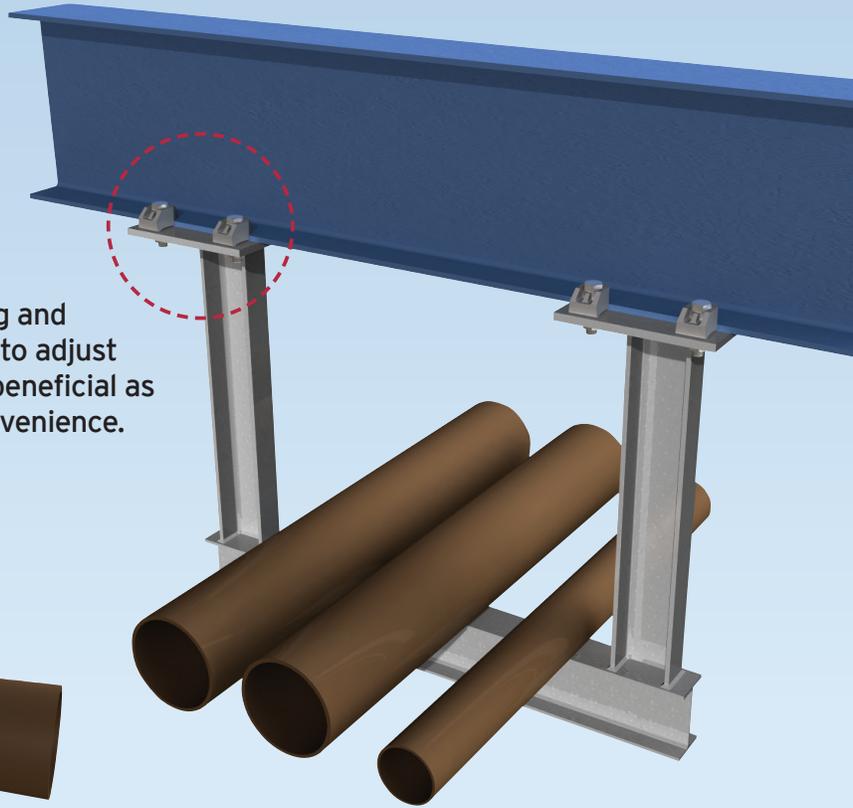
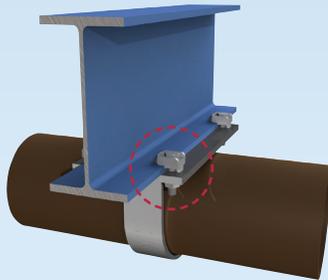
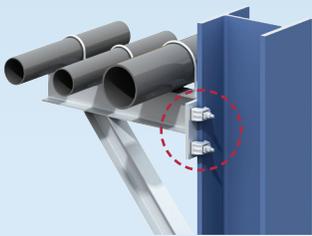


Pipe Supports

Lindapter support assemblies allow piping to be simply clamped to structural or secondary steel sections for a fast and safe installation.

Piping can be installed without drilling or welding and no interference to plant productivity. The ability to adjust Lindapter assemblies in the field is particularly beneficial as pipes can be easily positioned for speed and convenience.

TYPICAL APPLICATIONS

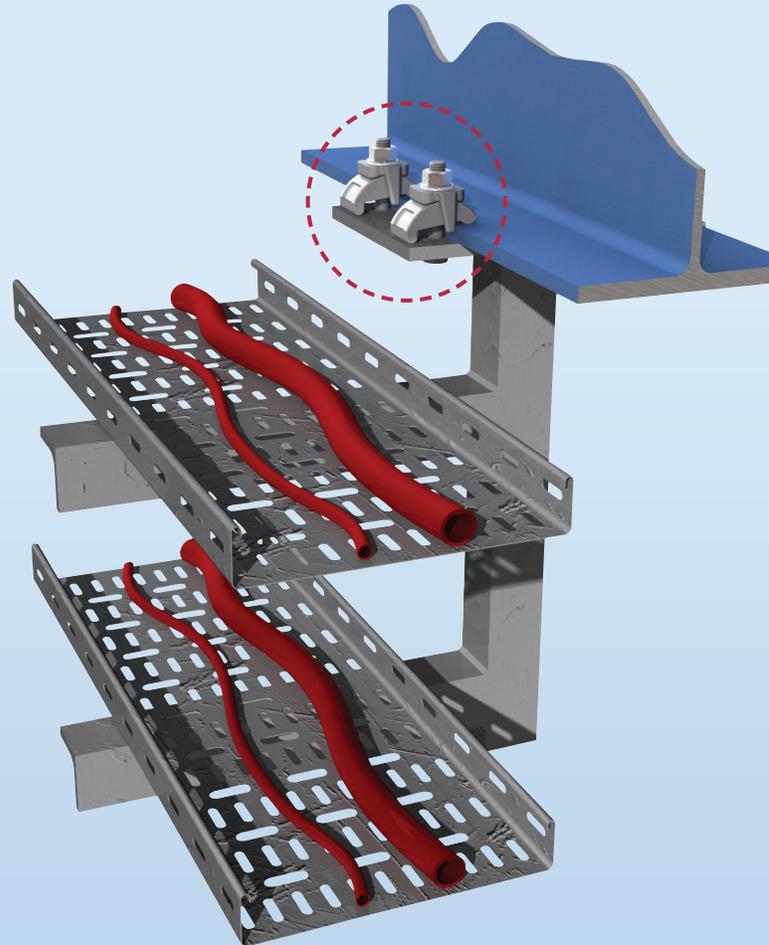
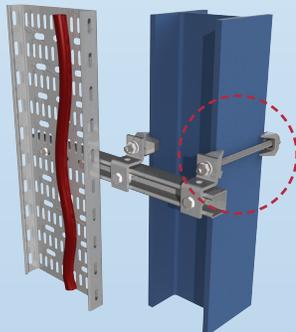
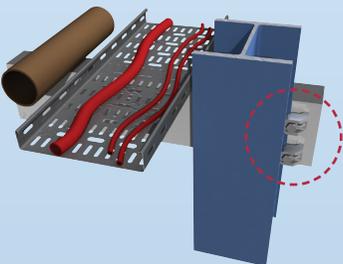


Electrical & Instrumentation

Lindapter provides assemblies for securing cable trays, fire protection, sprinkler systems and electrical equipment from primary or secondary steel sections.

Cable trays or equipment can be secured in simple tensile arrangements or vertical column applications withstanding frictional loads. Fast adjustability allows multiple cable tray / ladder systems to be easily aligned.

TYPICAL APPLICATIONS

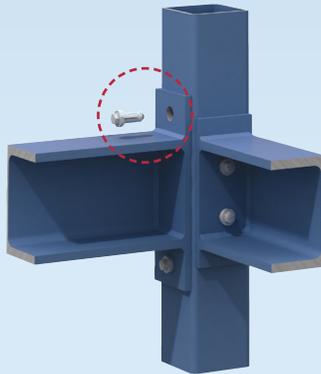
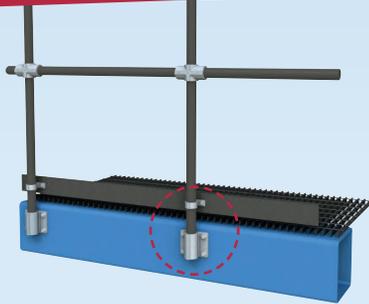


HSS (Hollow Structural Sections)

Hollo-Bolt by Lindapter provides a convenient alternative to welding or through-bolting and is ideal for HSS or other structural steel shapes where access is available from one side only.

Hollo-Bolt is the **only** expansion bolt for structural steel approved by ICC-ES for resisting seismic and wind loads in all Seismic Design Categories (A through F) in compliance with the International Building Code.

TYPICAL APPLICATIONS



Hollo-Bolt®

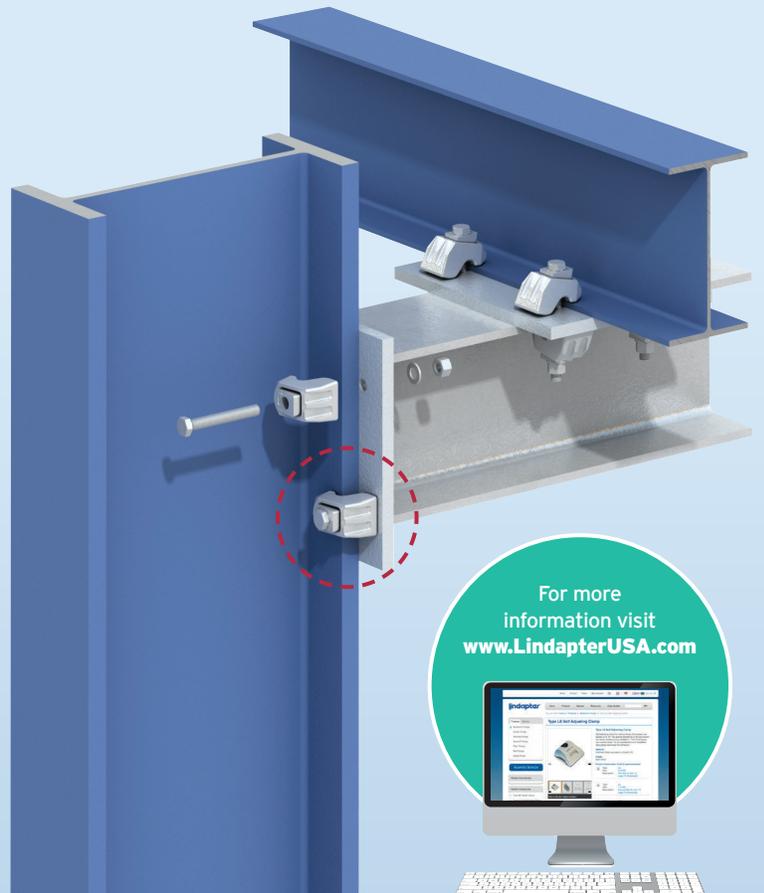
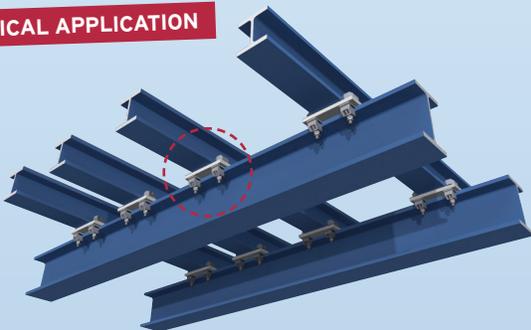


Steel-to-steel Connections

A faster, cost-effective alternative to drilling or welding in the field, designed to reduce installation time and labor costs. High strength permanent (or temporary) connections are quickly achieved by clamping two steel sections together.

Take advantage of Lindapter's Free Connection Design service to receive a drawing of the best solution for your requirement.

TYPICAL APPLICATION



For more information visit
www.LindapterUSA.com

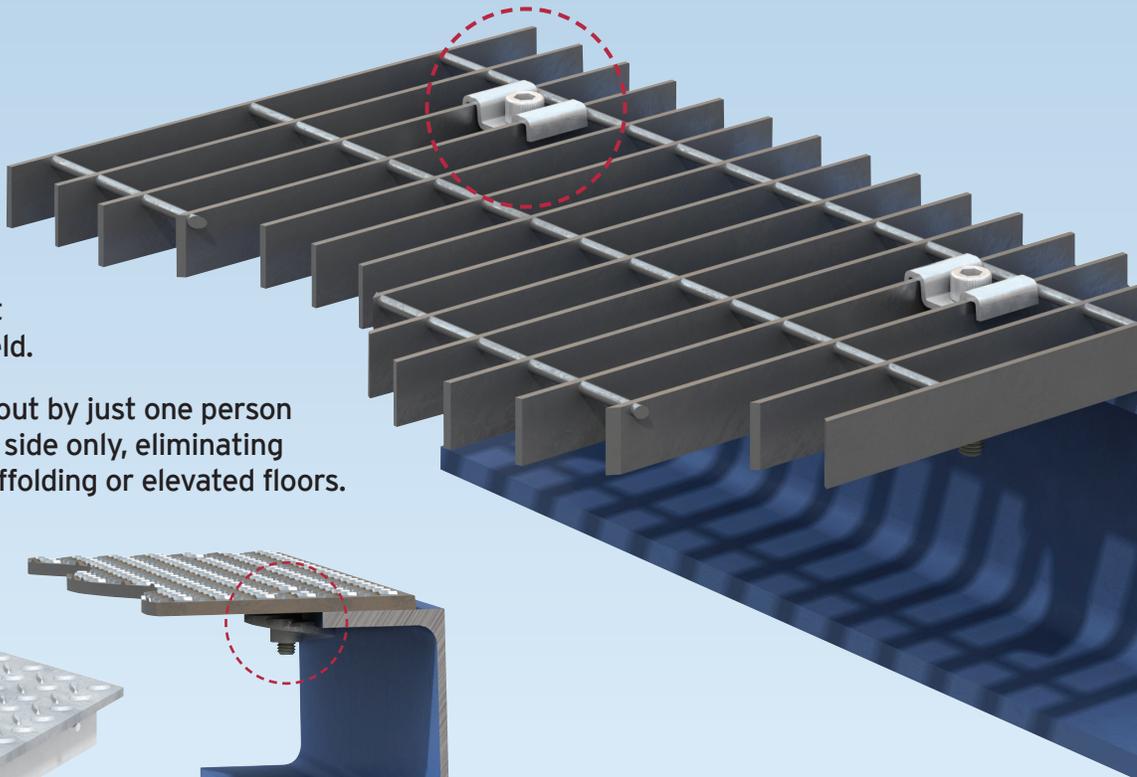
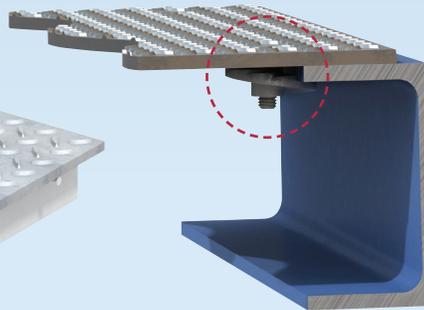
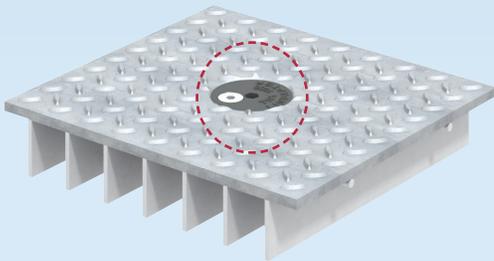


Steel Flooring

A range of innovative clamps that are ideal for connecting steel flooring to supporting steel without drilling or welding in the field.

Installation can be carried out by just one person and requires access to one side only, eliminating the need for expensive scaffolding or elevated floors.

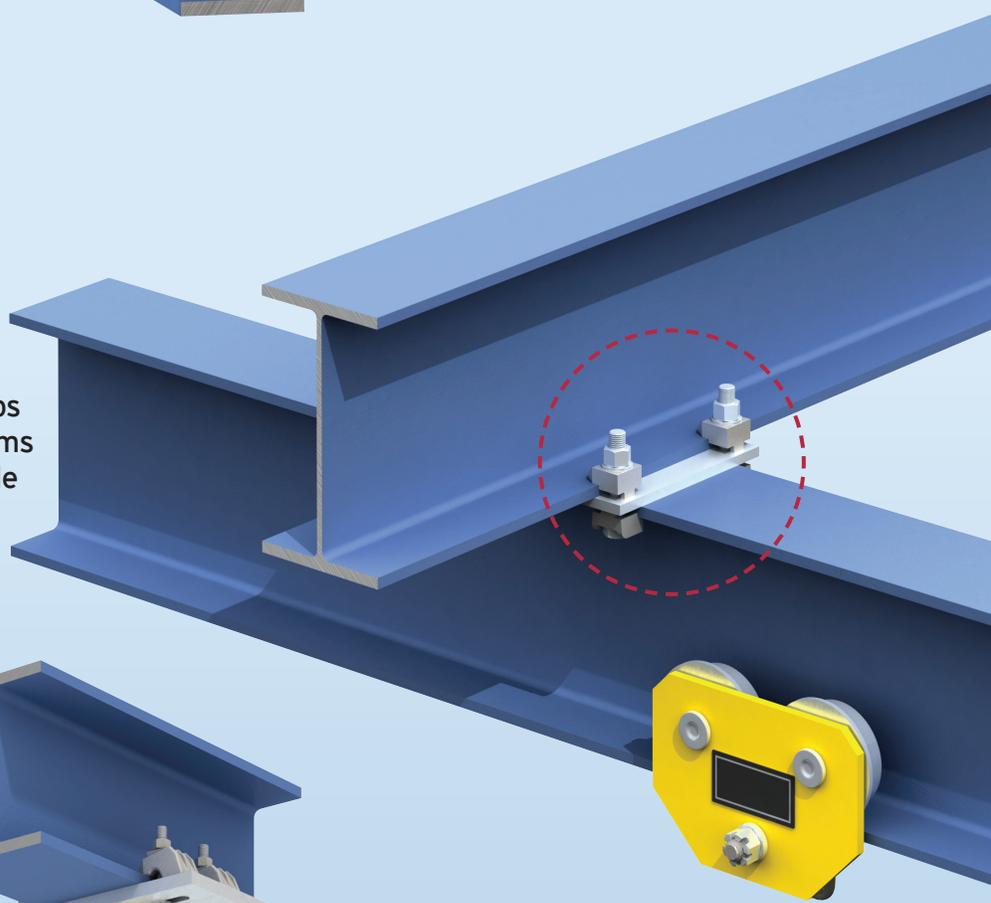
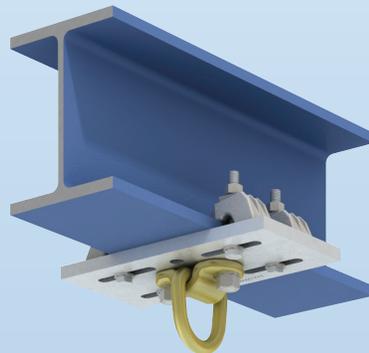
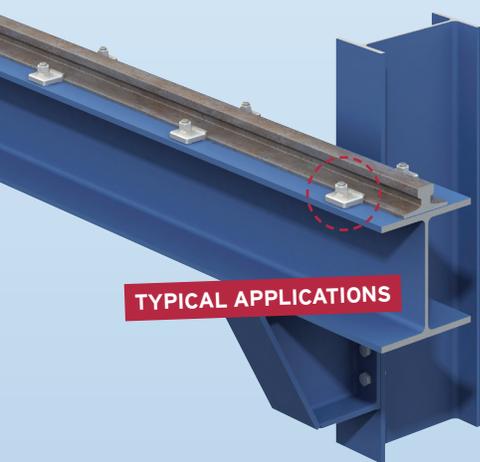
TYPICAL APPLICATIONS



Material Handling

A variety of products for attaching overhead cranes, and other lifting and rigging equipment to structural steel beams. Vibration resistant clamps are used for fastening conveyor systems and a range of connectors are available for securing low speed rail.

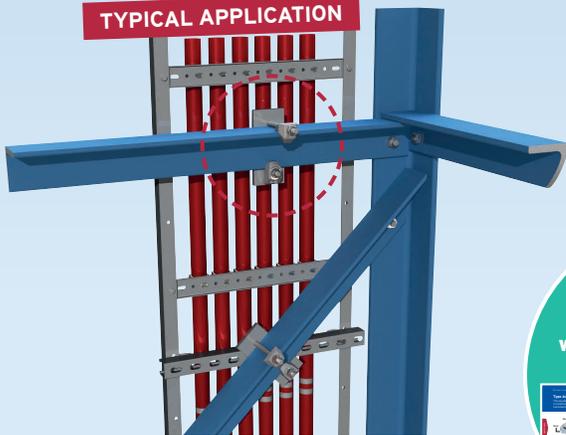
TYPICAL APPLICATIONS



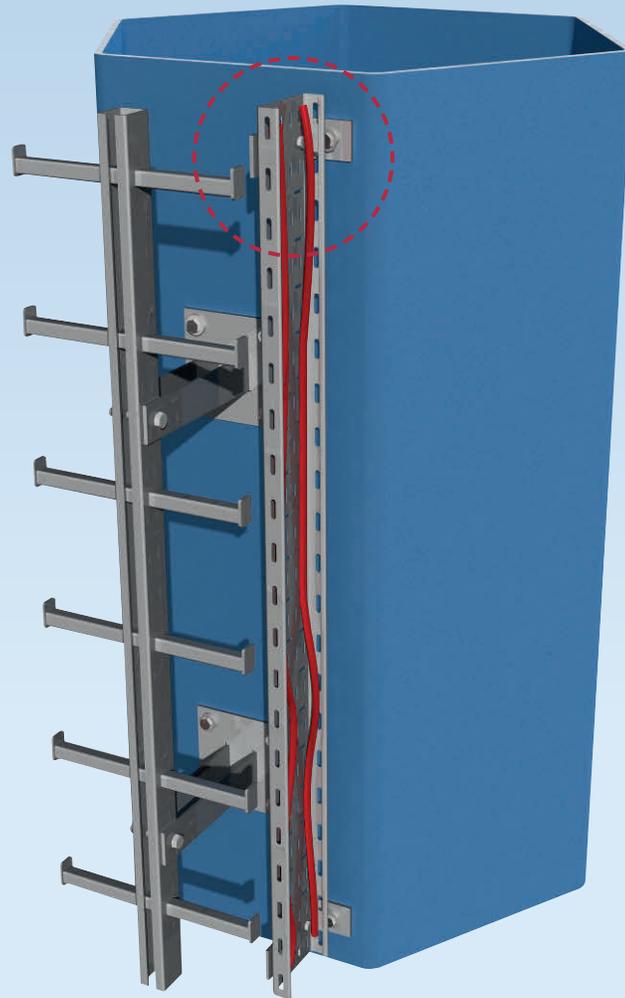
Monopoles & Lattice Towers

Lindapter's Holo-Bolts and slip resistant clamps are often used to easily attach equipment to monopoles and lattice towers. Typical applications include reinforcement systems, communication modules, electrical cables, anti-climbing devices, access ladders and fall arrest systems.

TYPICAL APPLICATION



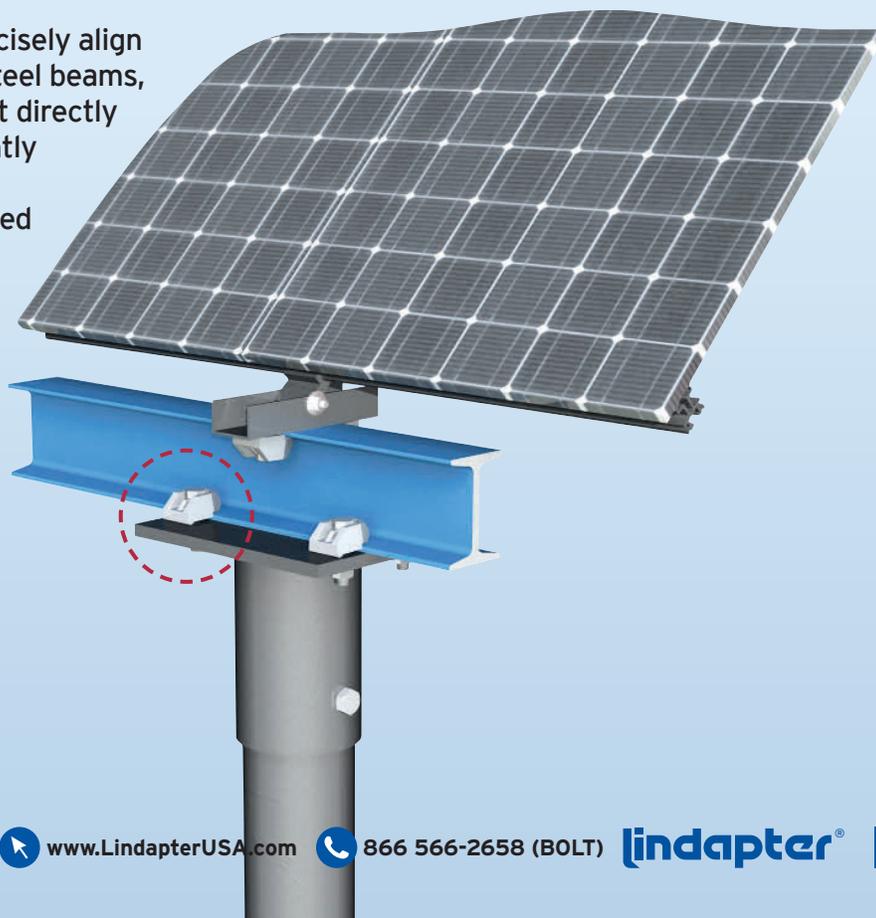
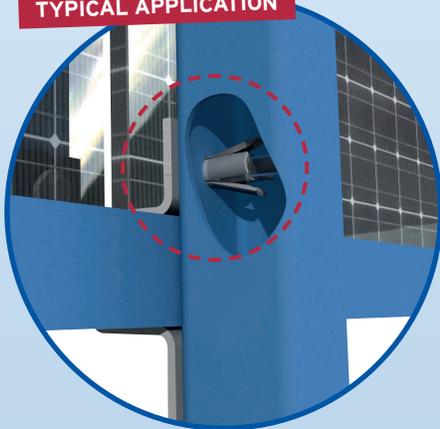
Request a product catalog by visiting www.LindapterUSA.com



Solar Arrays

Adjustable clamps make it easier to precisely align and secure solar panels to supporting steel beams, while Holo-Bolts can be used to connect directly to HSS frames without welding. Frequently used to mount panels onto supporting framework and then attach the assembled units to structural frames.

TYPICAL APPLICATION



North American Project Experience

Project	Facility	Product(s) used*
Bruce Power A	Nuclear	GC / GF / HB
Bruce Power B	Nuclear	FF / GC / HB
Calvert Cliffs	Nuclear	GF
Carroll County Energy Facility	Gas Fired	GF
CPV: Towantic Energy Center	Gas Fired	GF
Goreway GS Brampton	Gas Fired	HB
Hydro One Networks	Transmission	GF
Indian Point Energy Center	Nuclear	GF
Lackawanna Energy Center	Gas Fired	GF
Niagara Falls GS	Hydro-Electric	GF
OPG Darlington	Nuclear	GC / HB
OPG Nanticoke GS	Coal Fired	GC
OPG Pickering A	Nuclear	GC / HB
OPG Pickering BF	Nuclear	GC / GF / HB
Portlands GS Toronto	Gas Fired	HB
RH Saunders GS	Hydro-Electric	GF
Stonewall Generating Facility	Gas Fired	GF
Virgil C. Summer	Nuclear	GF

* Key: FF = FloorFast / GC = Girder Clamp / GF = Grate-Fast / HB = Hollo-Bolt

Independent Approvals

Hollo-Bolt is the **only** expansion bolt to have full seismic approval from ICC-ES.



Lindapter's Girder Clamp is the **only** steel clamping system to have the CE Mark approval.



Lloyd's Register Type Approved products have been subjected to **tensile, frictional, vibration and shock tests.**



Other product approvals include:



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To request the full product catalog, call **866 566-2658 (BOLT)** or visit **www.LindapterUSA.com**